

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040519\
 Data File : VV010130.D
 Acq On : 05 Apr 2019 14:28
 Operator : SY/MD
 Sample : K2148-11
 Misc : 5.31G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5F8

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.319	62	71	83	rBV	99467	102735	0.07%	0.008%
2	1.389	87	93	101	rVB	31542	30207	0.02%	0.002%
3	1.557	139	145	159	rVB	94099	132884	0.09%	0.010%
4	2.122	311	321	332	rBV	237319	332406	0.23%	0.025%
5	2.187	333	341	356	rVB	41964	67668	0.05%	0.005%
6	2.534	437	449	470	rBV	44864	81850	0.06%	0.006%
7	3.933	866	884	901	rBV	27061	71244	0.05%	0.005%
8	4.399	1011	1029	1054	rBV	139341	347706	0.25%	0.026%
9	5.093	1226	1245	1266	rBV2	330591	817004	0.58%	0.061%
10	5.293	1295	1307	1319	rVB2	7402	18355	0.01%	0.001%
11	5.662	1408	1422	1441	rBV	317017	622299	0.44%	0.046%
12	6.116	1546	1563	1573	rBV	188742	399245	0.28%	0.030%
13	6.241	1593	1602	1610	rBV3	20692	34467	0.02%	0.003%
14	6.299	1611	1620	1632	rVB3	26795	51601	0.04%	0.004%
15	6.405	1644	1653	1666	rVB5	9168	18376	0.01%	0.001%
16	6.505	1666	1684	1697	rBV6	50767	112112	0.08%	0.008%
17	6.675	1723	1737	1758	rVV5	67147	170814	0.12%	0.013%
18	6.820	1769	1782	1791	rBV3	20389	44265	0.03%	0.003%
19	6.881	1791	1801	1808	rVV3	37144	67281	0.05%	0.005%
20	6.923	1808	1814	1827	rVB3	23903	43883	0.03%	0.003%
21	7.029	1827	1847	1856	rBV2	119232	228445	0.16%	0.017%
22	7.077	1857	1862	1873	rVB2	32269	55875	0.04%	0.004%
23	7.206	1891	1902	1918	rVB6	40969	102486	0.07%	0.008%
24	7.305	1918	1933	1940	rBV3	438042	853834	0.60%	0.063%
25	7.354	1941	1948	1967	rVB3	476213	969228	0.68%	0.072%
26	7.486	1977	1989	1997	rBV3	165402	331731	0.23%	0.025%
27	7.556	2006	2011	2025	rVB2	115731	190489	0.13%	0.014%
28	7.698	2025	2055	2076	rBV2	631569	1323073	0.93%	0.098%
29	7.830	2077	2096	2106	rBV	287883	542498	0.38%	0.040%
30	7.887	2106	2114	2119	rBV5	83685	138943	0.10%	0.010%
31	7.949	2129	2133	2143	rVB2	154525	221529	0.16%	0.016%
32	8.016	2143	2154	2166	rVB4	230544	419833	0.30%	0.031%
33	8.122	2168	2187	2209	rBV2	1306796	2562895	1.81%	0.190%
34	8.251	2215	2227	2242	rBV3	983091	2754482	1.94%	0.205%

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Integrator: RTE
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 Stop Thrs : 0

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Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Title : VOC Analysis

35	8.334	2243	2253	2262	rVB	1073253	1811670	1.28%	0.135%
36	8.395	2262	2272	2281	rBV	2223305	3968078	2.80%	0.295%
37	8.550	2310	2320	2329	rBV2	528465	881177	0.62%	0.065%
38	8.637	2329	2347	2376	rVB4	2213408	6529826	4.61%	0.485%
39	8.768	2378	2388	2395	rBV5	83037	142632	0.10%	0.011%
40	8.820	2395	2404	2416	rBV5	192660	496398	0.35%	0.037%
41	8.891	2416	2426	2435	rVV4	629564	1138940	0.80%	0.085%
42	8.961	2435	2448	2462	rVV8	516381	1659984	1.17%	0.123%
43	9.039	2462	2472	2486	rVV5	1212394	2765093	1.95%	0.205%
44	9.109	2487	2494	2495	rVV2	324741	386029	0.27%	0.029%
45	9.151	2497	2507	2514	rVV3	2855162	6059276	4.27%	0.450%
46	9.203	2515	2523	2530	rVV	6014484	10694282	7.54%	0.795%
47	9.241	2530	2535	2561	rVB2	3695777	7830239	5.52%	0.582%
48	9.363	2561	2573	2587	rBV2	2191053	4030946	2.84%	0.300%
49	9.460	2593	2603	2606	rBV3	1219317	1860728	1.31%	0.138%
50	9.521	2607	2622	2639	rVB4	7865787	19530219	13.78%	1.451%
51	9.601	2640	2647	2650	rBV3	1724652	2390057	1.69%	0.178%
52	9.682	2667	2672	2678	rVB2	1651071	2063703	1.46%	0.153%
53	9.727	2678	2686	2688	rBV	3906795	4967404	3.50%	0.369%
54	9.765	2689	2698	2707	rVB3	17585312	29792397	21.01%	2.214%
55	9.849	2708	2724	2734	rBV4	20206595	39552046	27.90%	2.939%
56	9.965	2752	2760	2770	rVB5	3435060	6198701	4.37%	0.461%
57	10.029	2771	2780	2787	rBV4	5784946	10036773	7.08%	0.746%
58	10.074	2787	2794	2817	rVB7	6452692	16451446	11.60%	1.223%
59	10.180	2818	2827	2835	rBV3	5011968	7872864	5.55%	0.585%
60	10.296	2835	2863	2873	rBV3	18276301	40138721	28.31%	2.983%
61	10.450	2899	2911	2919	rBV6	8042166	17645085	12.45%	1.311%
62	10.505	2920	2928	2937	rVB4	10899596	19161435	13.52%	1.424%
63	10.566	2938	2947	2956	rBV2	21757016	37366883	26.36%	2.777%
64	10.620	2956	2964	2974	rVV5	14789989	26169576	18.46%	1.945%
65	10.781	3007	3014	3020	rBV3	7200649	10842511	7.65%	0.806%
66	10.826	3023	3028	3037	rVB6	7865878	11521055	8.13%	0.856%
67	10.948	3056	3066	3073	rBV6	9428840	21705386	15.31%	1.613%
68	11.096	3103	3112	3119	rBV4	17371717	32564368	22.97%	2.420%
69	11.215	3141	3149	3157	rBV2	32046652	46418919	32.74%	3.450%
70	11.305	3172	3177	3181	rBV5	3505910	4269876	3.01%	0.317%
71	11.482	3227	3232	3241	rVB4	9075019	12785530	9.02%	0.950%

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 Title : VOC Analysis

72	11.604	3264	3270	3280	rBV5	6735423	12218026	8.62%	0.908%
73	11.675	3282	3292	3311	rVB3	40316542	88927972	62.73%	6.609%
74	11.836	3336	3342	3350	rVB2	17260906	24013920	16.94%	1.785%
75	11.884	3352	3357	3364	rBV3	11167822	16309247	11.50%	1.212%
76	12.003	3382	3394	3402	rBV5	33821646	69959253	49.35%	5.199%
77	12.186	3443	3451	3458	rBV6	12191683	23607656	16.65%	1.754%
78	12.260	3468	3474	3481	rVB3	17576992	23655919	16.69%	1.758%
79	12.331	3482	3496	3517	rVB5	47343739	139374257	98.31%	10.358%
80	12.437	3518	3529	3550	rBV6	53637111	141768048	100.00%	10.536%
81	12.543	3551	3562	3574	rBV4	40166584	81900442	57.77%	6.087%
82	12.608	3575	3582	3602	rVB9	18775834	39071226	27.56%	2.904%
83	12.701	3604	3611	3623	rBV3	15968792	29015580	20.47%	2.156%
84	12.862	3654	3661	3673	rBV6	9500365	15322226	10.81%	1.139%
85	12.942	3678	3686	3705	rVB8	23281172	60746838	42.85%	4.515%
86	13.067	3719	3725	3729	rBV3	9487268	12726016	8.98%	0.946%
87	13.222	3766	3773	3781	rVB2	12777184	17702874	12.49%	1.316%
88	13.267	3782	3787	3795	rVB3	4561578	6133180	4.33%	0.456%
89	13.325	3799	3805	3813	rBV2	6848817	9475526	6.68%	0.704%
90	13.540	3863	3872	3881	rVB4	16746651	26384598	18.61%	1.961%
91	13.598	3882	3890	3899	rBV4	8975896	13568353	9.57%	1.008%
92	13.691	3913	3919	3928	rBV	6604460	8265774	5.83%	0.614%
93	14.701	4227	4233	4237	rBV3	410199	542017	0.38%	0.040%
94	15.643	4520	4526	4535	rVB3	143270	215416	0.15%	0.016%
95	15.717	4543	4549	4563	rVB3	110851	206574	0.15%	0.015%
96	15.861	4587	4594	4601	rBV3	121996	180787	0.13%	0.013%
97	15.900	4601	4606	4621	rVV2	72663	138952	0.10%	0.010%
98	15.984	4622	4632	4643	rVB6	53395	124347	0.09%	0.009%
99	16.090	4661	4665	4674	rVB5	32380	46090	0.03%	0.003%
100	16.228	4704	4708	4721	rVB10	15480	25446	0.02%	0.002%

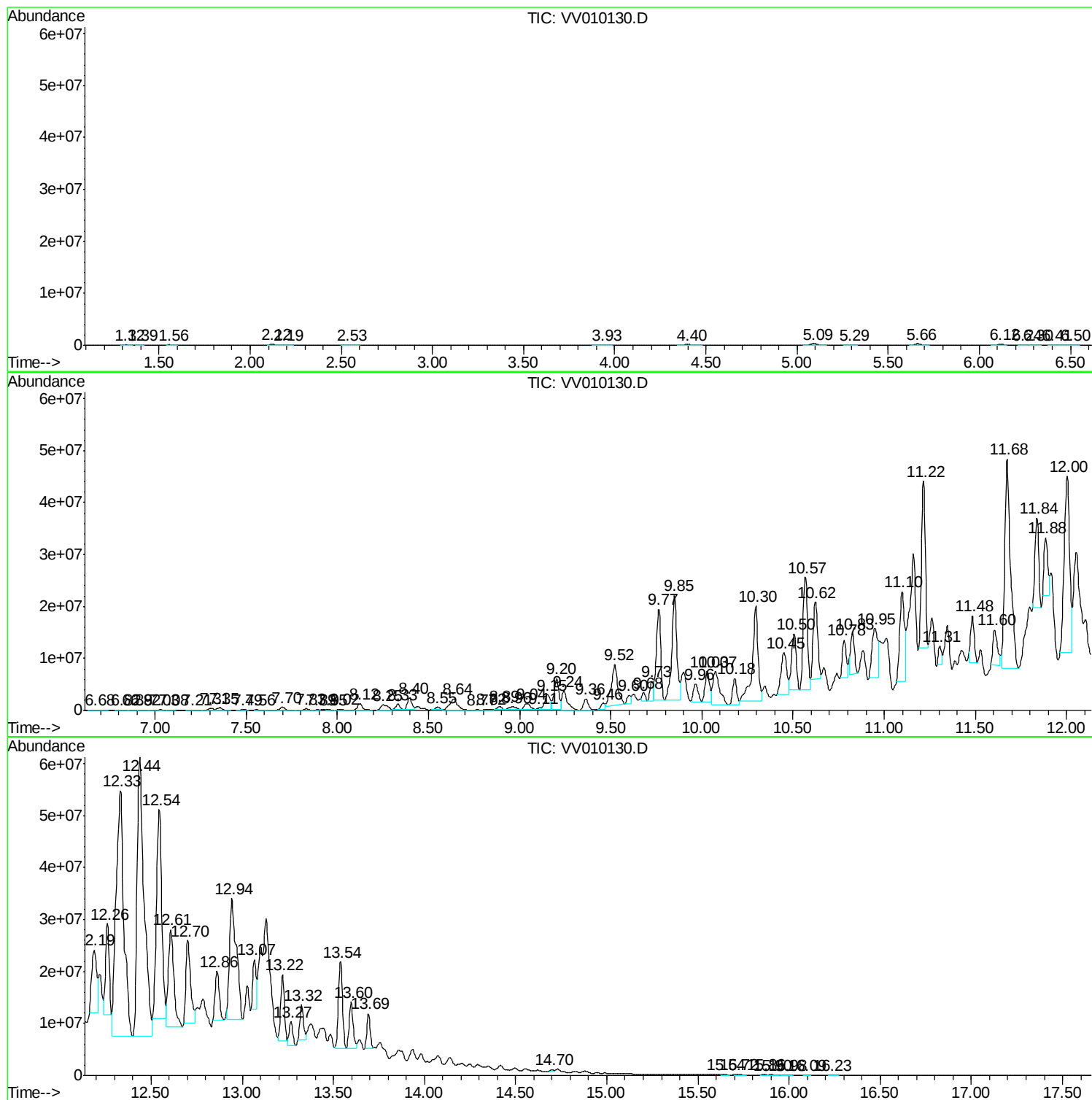
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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ClientSampled :
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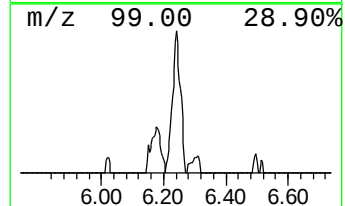
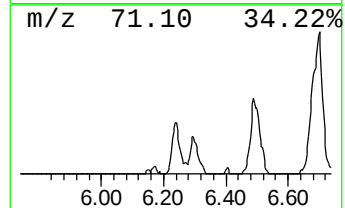
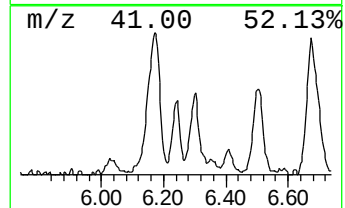
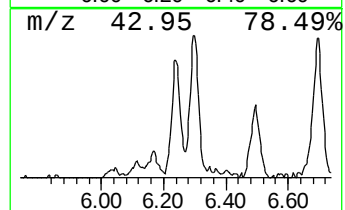
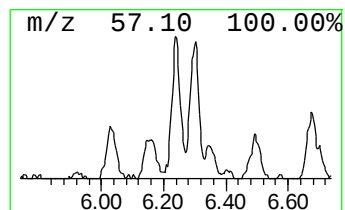
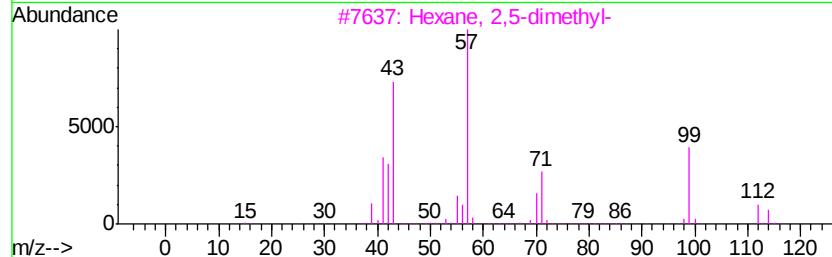
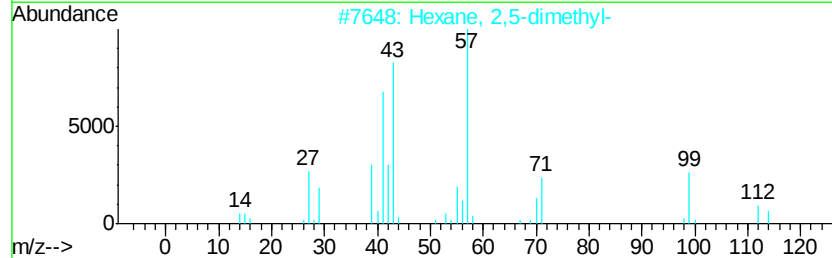
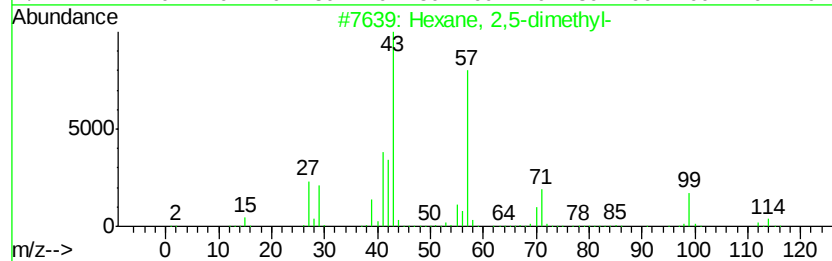
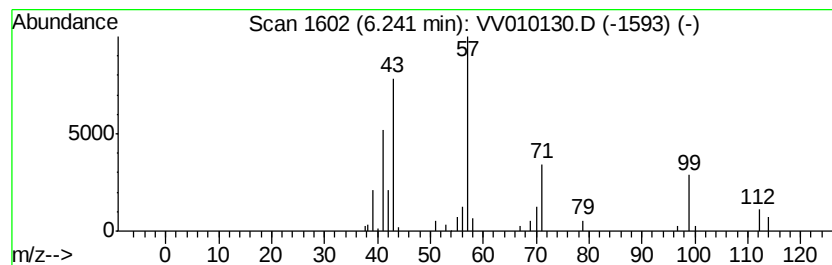
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	1.38 ug/L	34467	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-			114	C8H18	000592-13-2	90
2	Hexane, 2,5-dimethyl-			114	C8H18	000592-13-2	80
3	Hexane, 2,5-dimethyl-			114	C8H18	000592-13-2	64
4	Heptane, 2-methyl-			114	C8H18	000592-27-8	59
5	Octane, 2,7-dimethyl-			142	C10H22	001072-16-8	45



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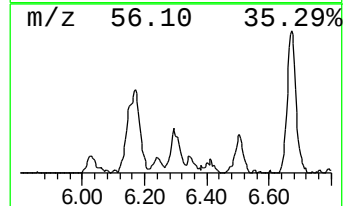
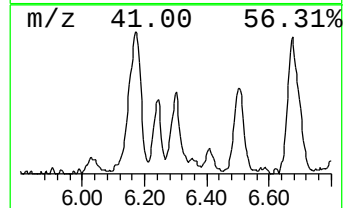
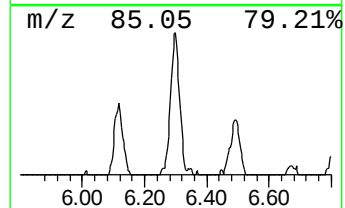
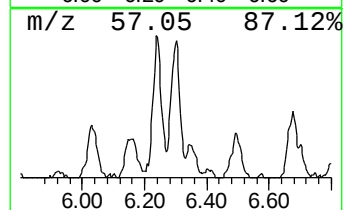
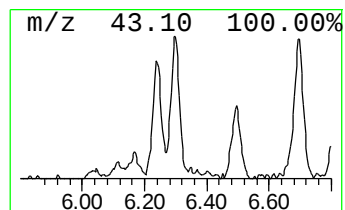
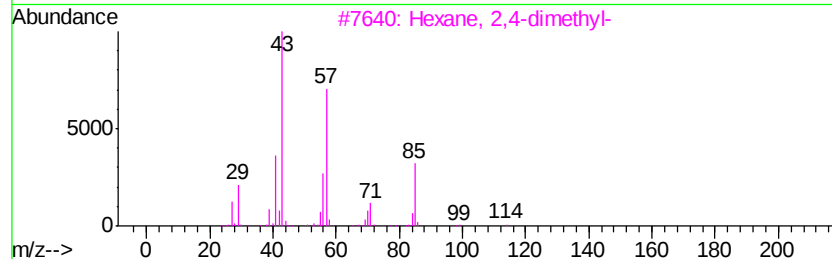
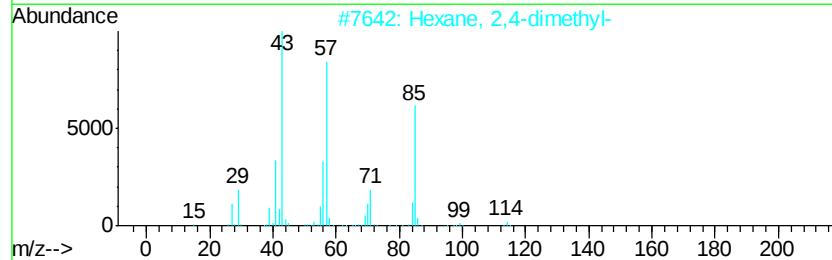
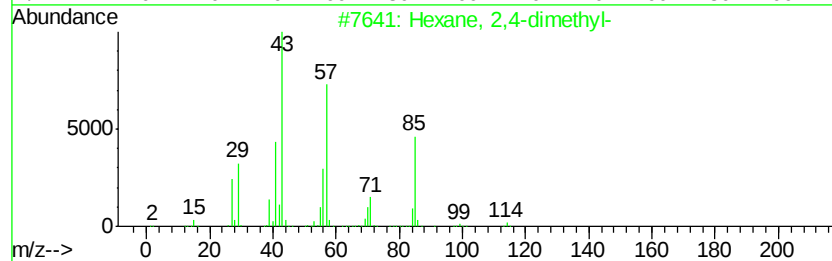
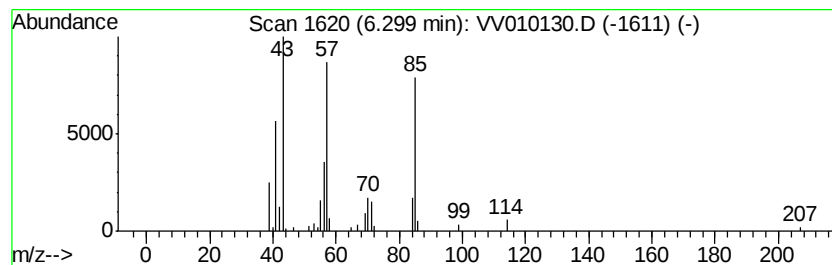
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	2.07 ug/L	51601	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	90
4		4,4-Dimethyl octane	142	C10H22	015869-95-1	72
5		Sulfurous acid, butyl isohexyl e...	222	C10H22O3S	1000309-17-2	59



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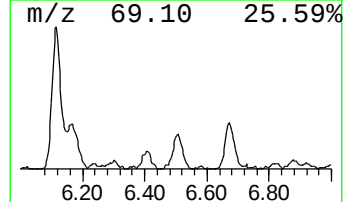
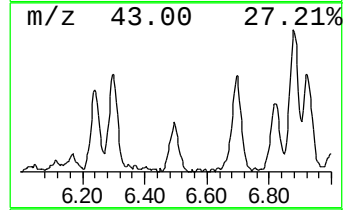
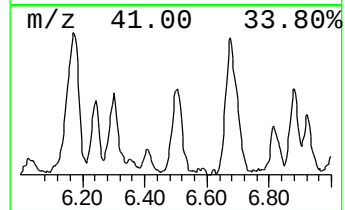
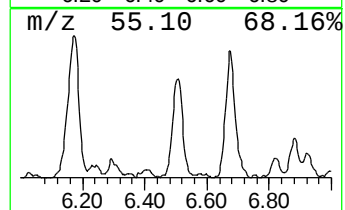
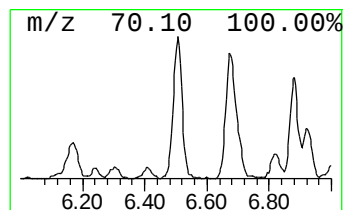
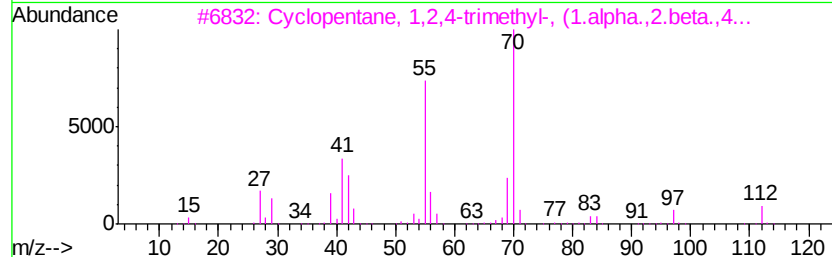
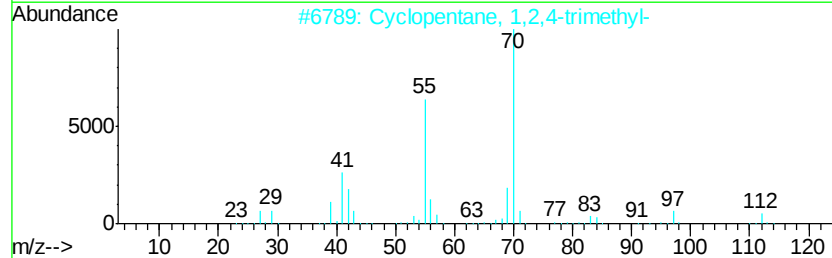
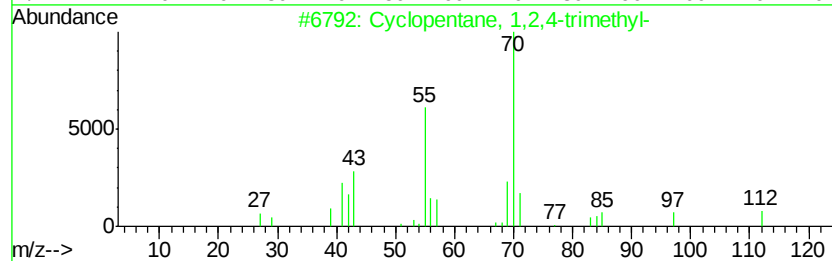
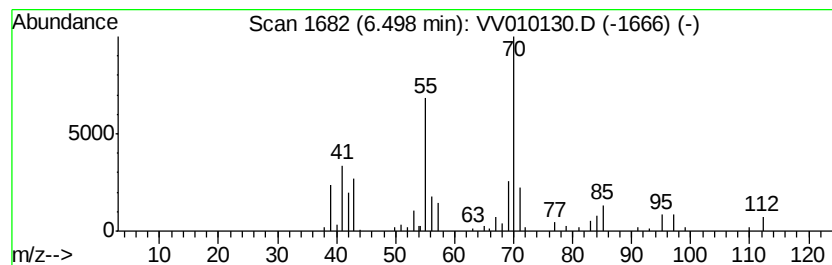
Instrument :
MSVOA_V
ClientSampleId :
BF5F8

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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Cyclic6.50 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.50	4.50 ug/L	112112	1,4-Difluorobenzene	5.66	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cvclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	83
3	Cvclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	80
4	Cvclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	80
5	Cvclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

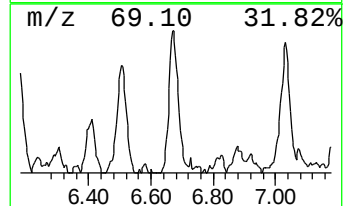
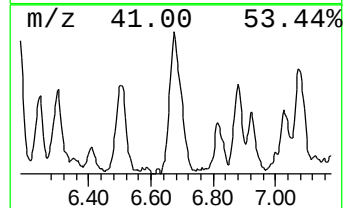
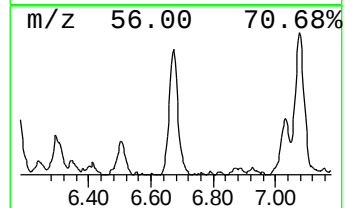
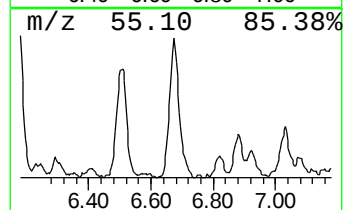
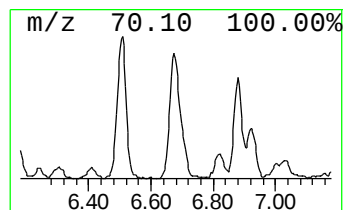
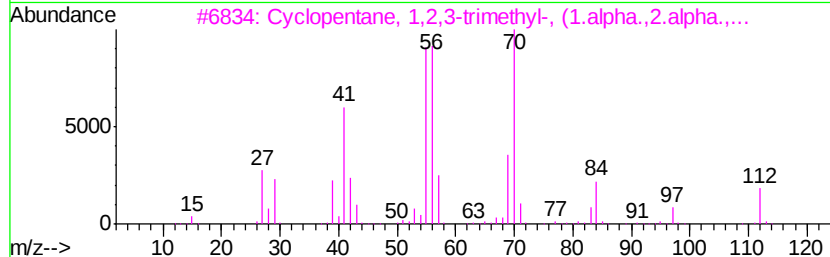
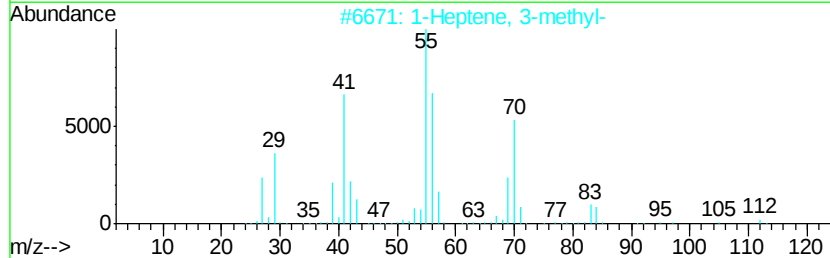
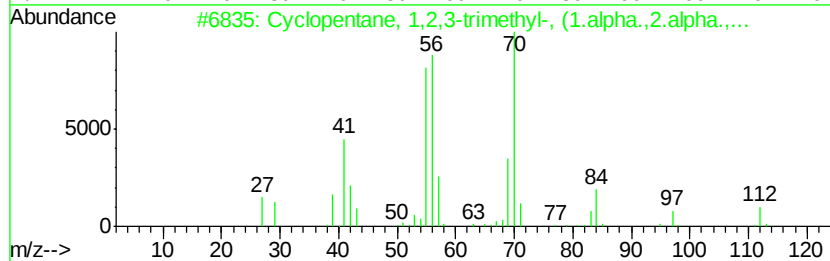
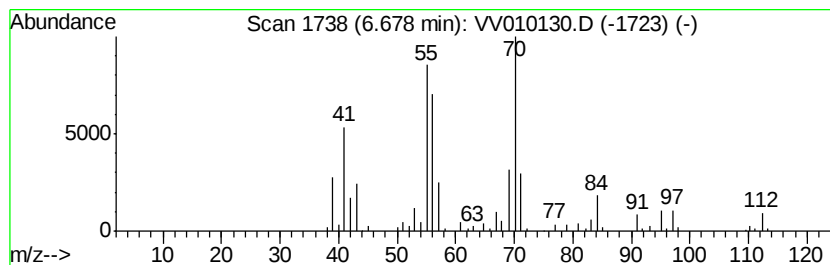
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 (DEL) Alkane: Cyclic6.68 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	6.86 ug/L	170814	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	93
2		1-Heptene, 3-methyl-	112	C8H16	004810-09-7	83
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	83
4		Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	59
5		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

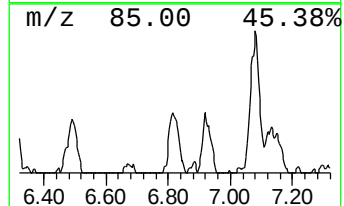
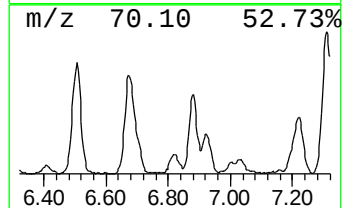
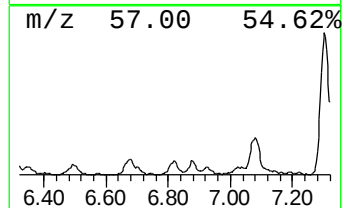
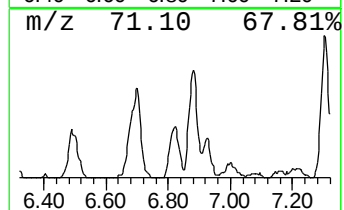
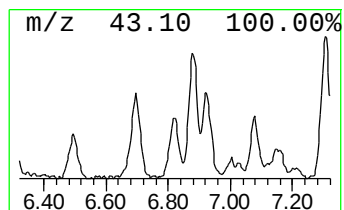
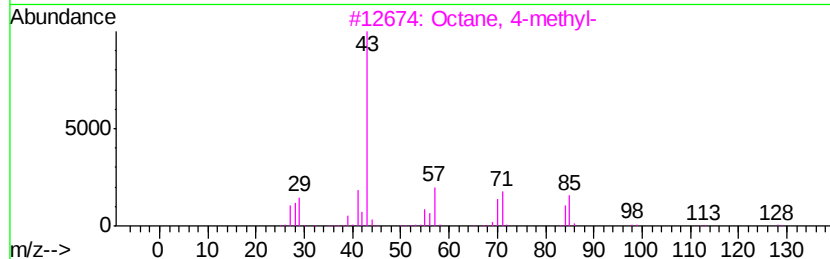
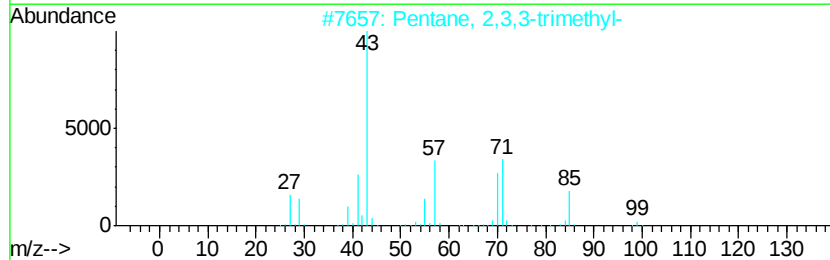
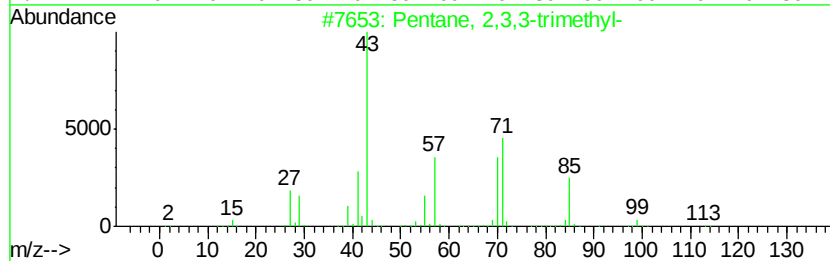
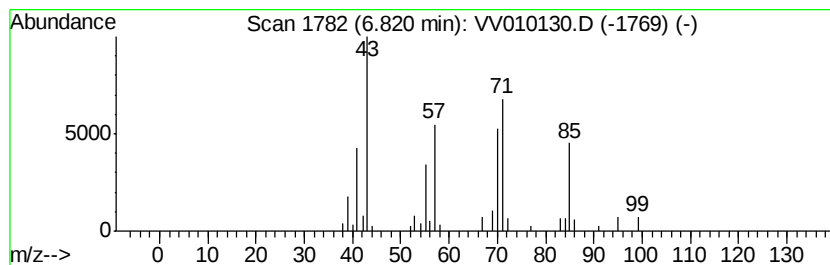
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	1.78 ug/L	44265	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
3		Octane, 4-methyl-	128	C9H20	002216-34-4	72
4		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

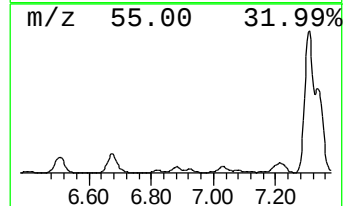
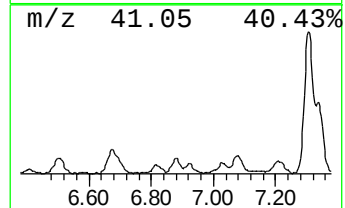
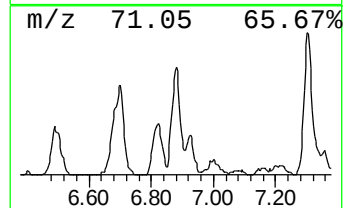
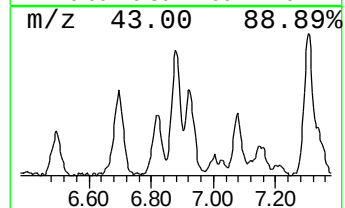
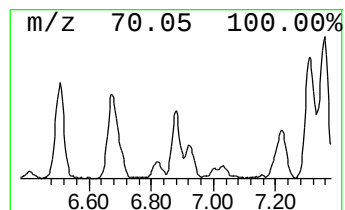
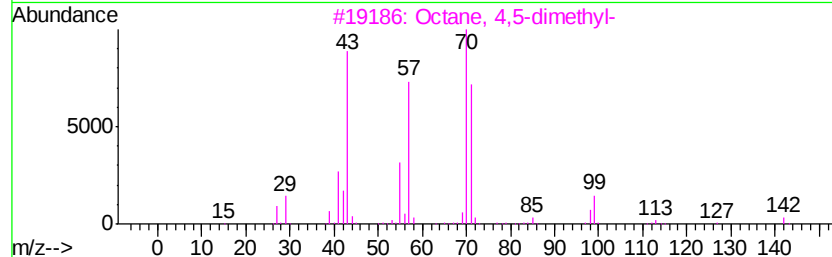
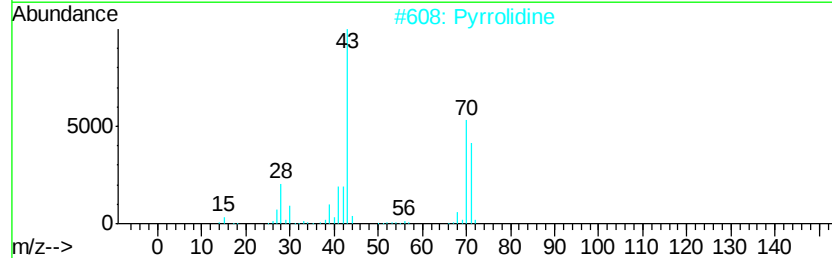
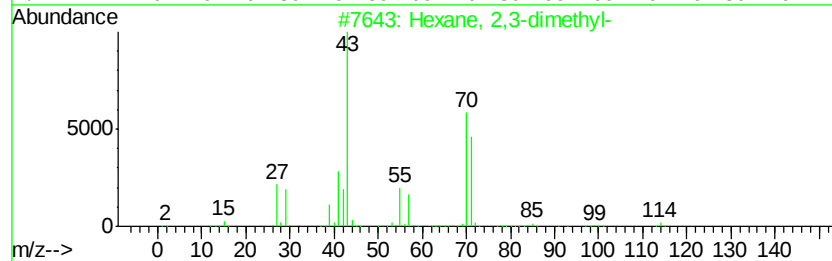
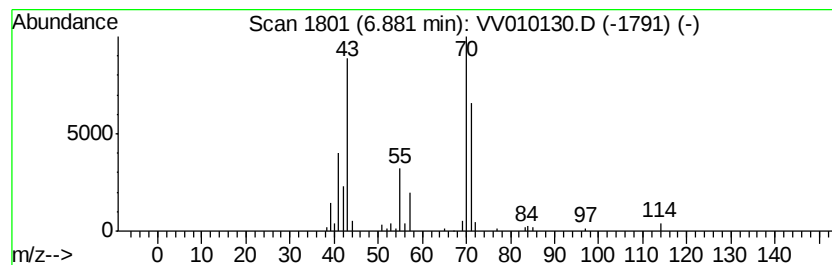
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	2.70 ug/L	67281	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	87
2			Pyrrolidine	71	C4H9N	000123-75-1	78
3			Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78
4			Heptane, 3-ethyl-4-methyl-	142	C10H22	052896-91-0	74
5			3,4-Diethyl hexane	142	C10H22	019398-77-7	72



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

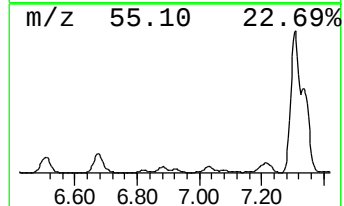
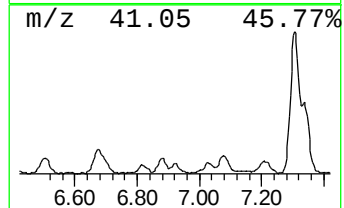
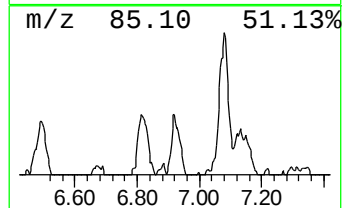
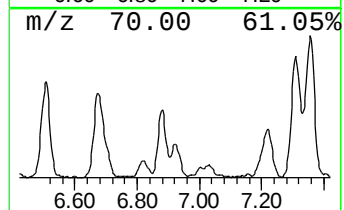
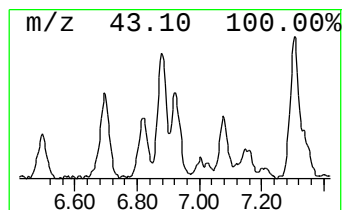
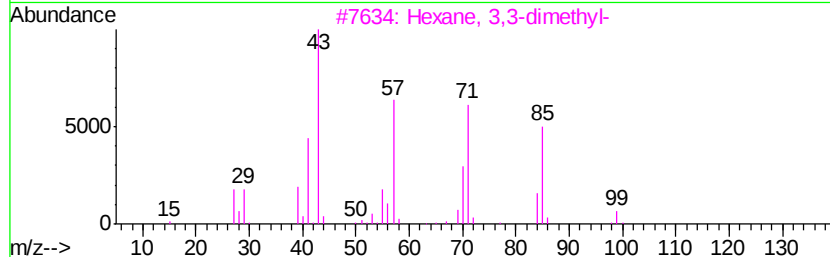
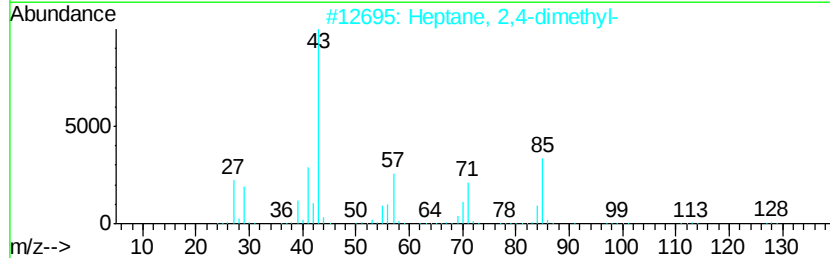
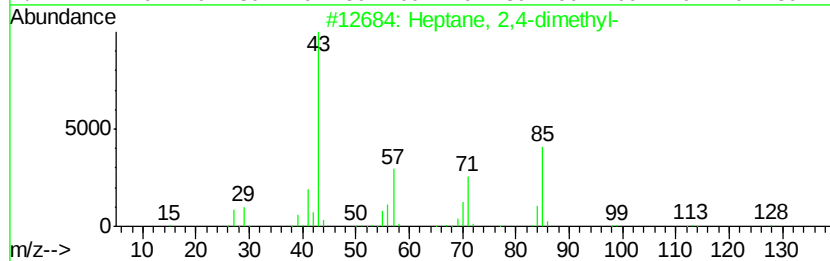
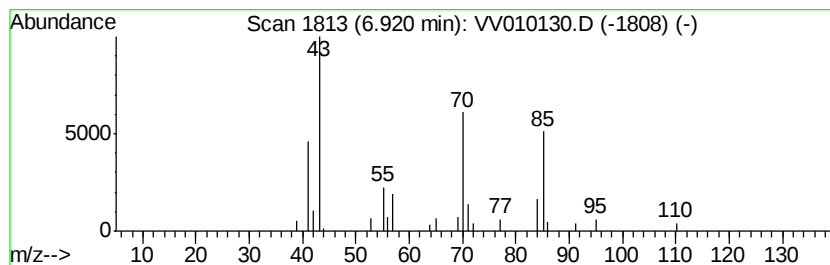
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	1.76 ug/L	43883	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
3		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
4		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	40
5		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

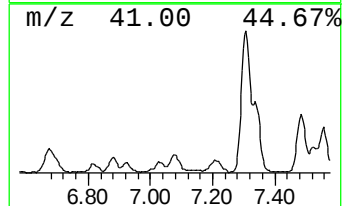
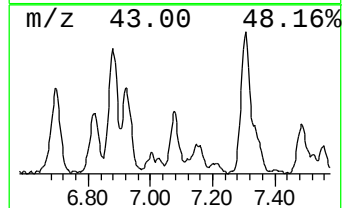
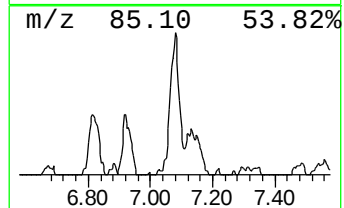
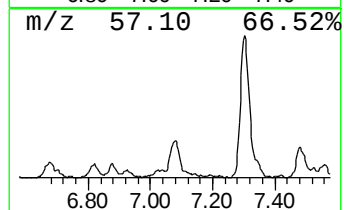
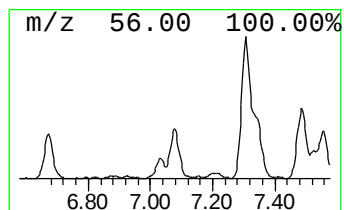
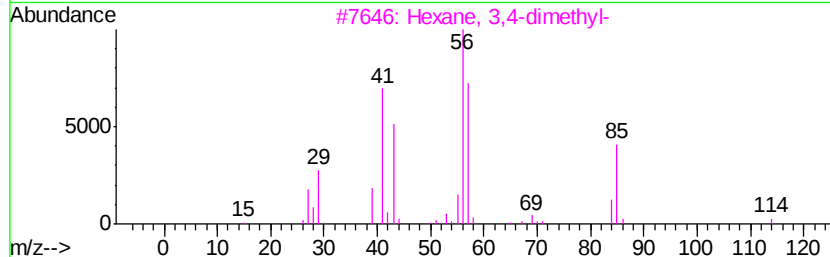
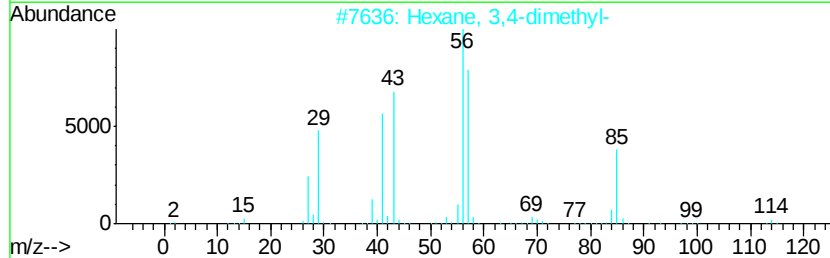
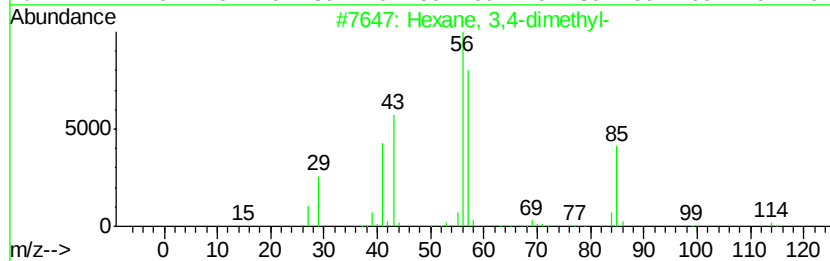
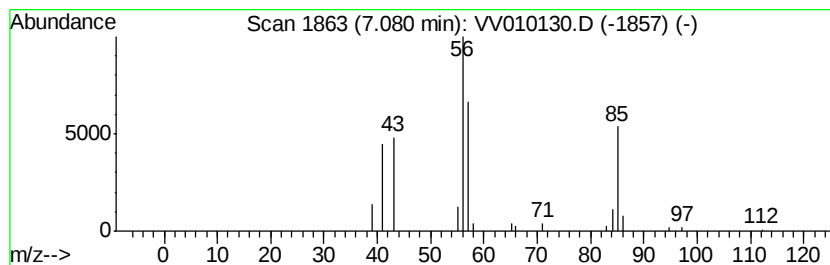
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	2.24 ug/L	55875	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	78
2		Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	64
3		Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	64
4		Octane	114	C8H18	000111-65-9	23
5		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	23



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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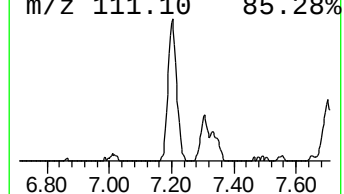
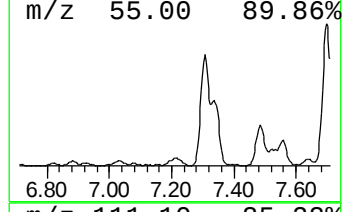
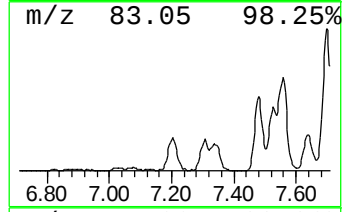
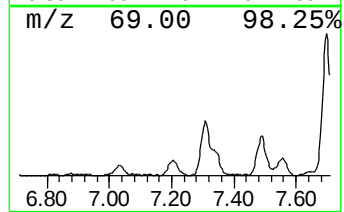
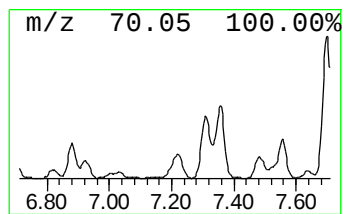
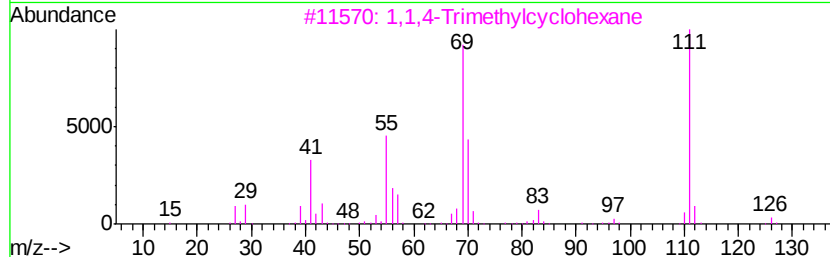
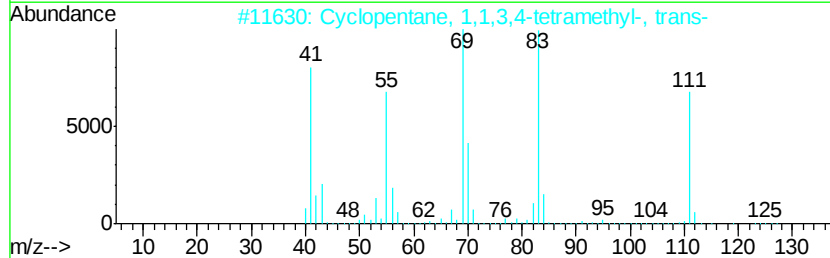
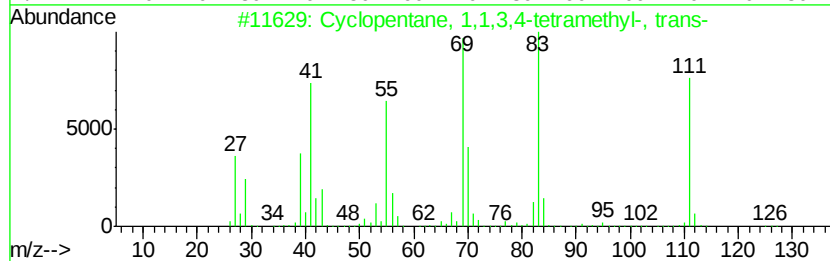
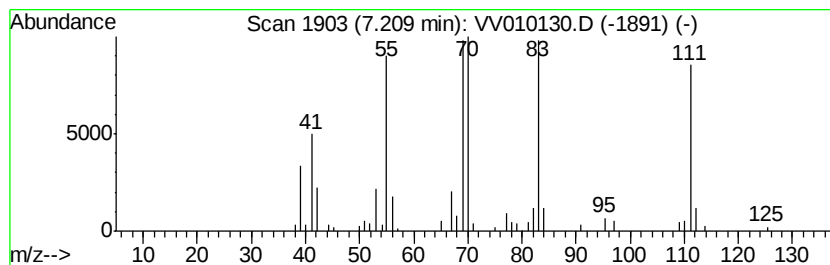
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Cyclic7.21 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	4.12 ug/L	102486	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	64
2			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	64
3			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	47
4			2,4-Dihydroxypyridine	111	C5H5NO2	000626-03-9	43
5			1-Pentyne, 3-ethoxy-3-ethyl-	140	C9H16O	053966-56-6	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

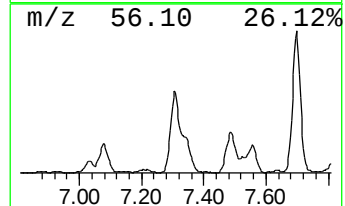
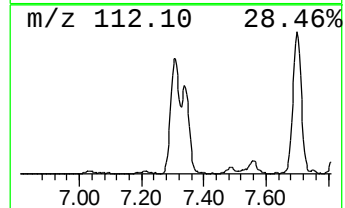
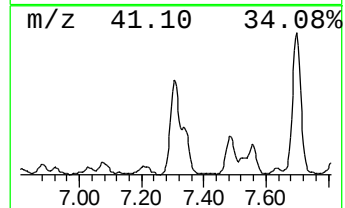
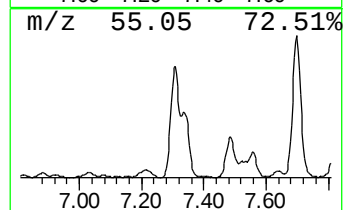
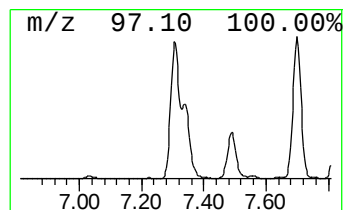
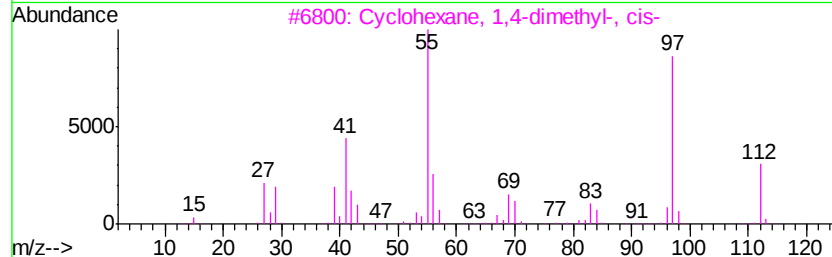
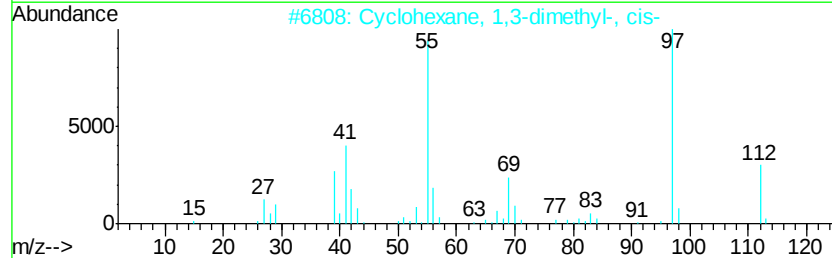
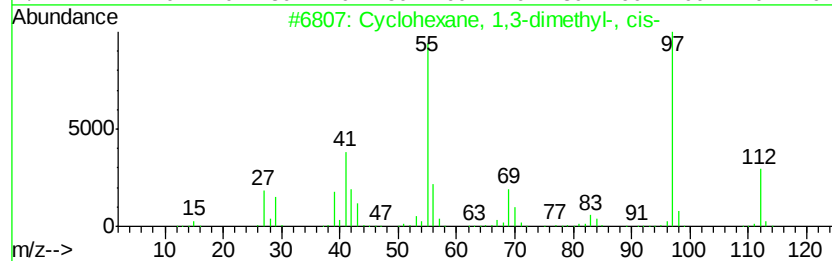
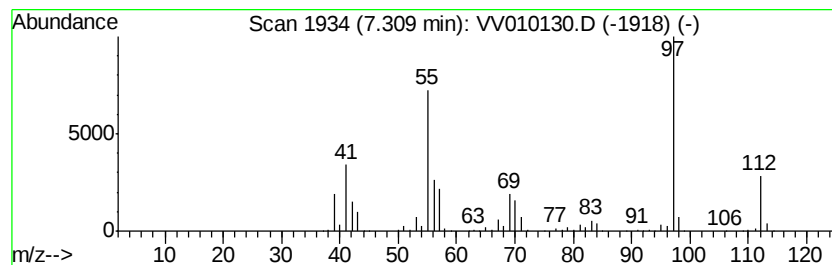
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Cyclic7.31 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	18.74 ug/L	853834	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
3		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

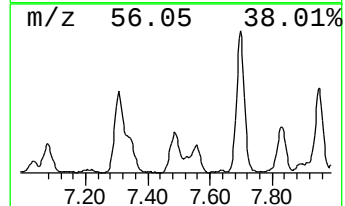
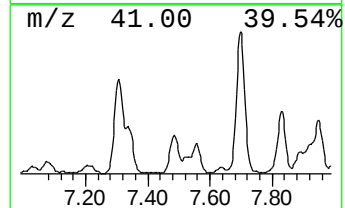
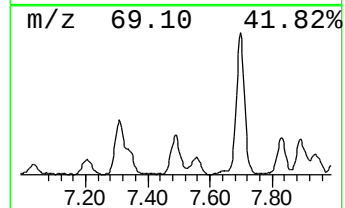
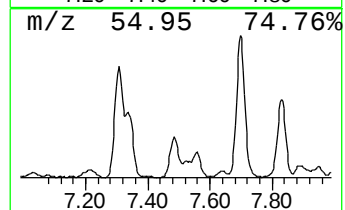
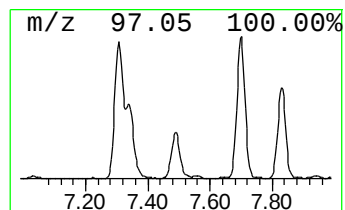
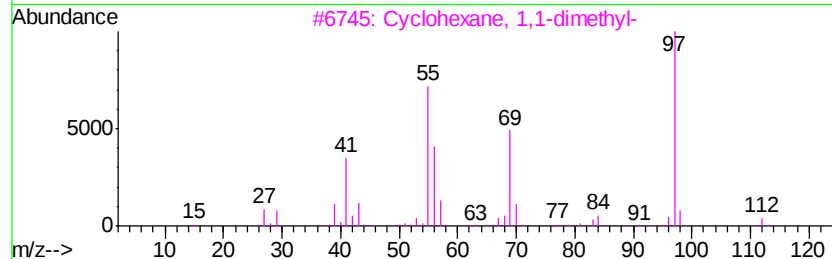
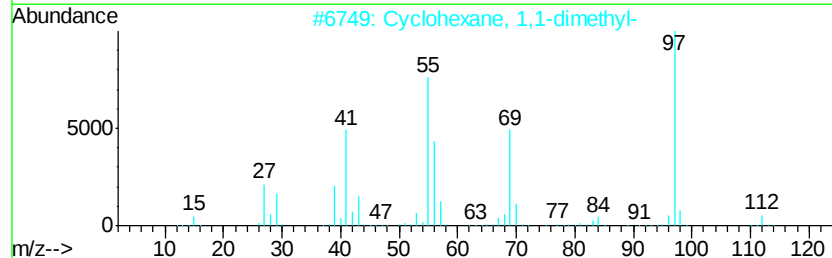
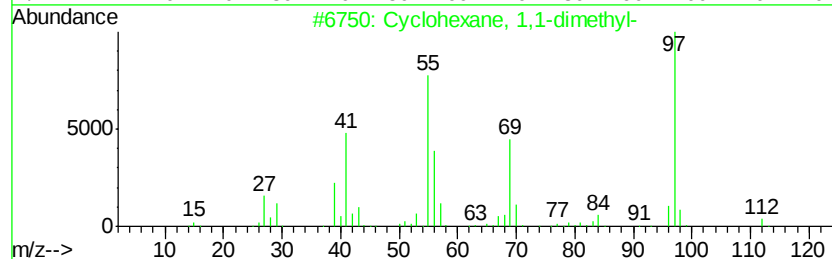
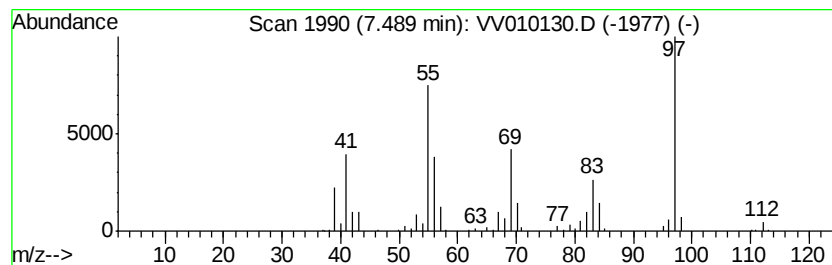
Instrument :
MSVOA_V
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Cyclic7.49 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.49	7.28 ug/L	331731	Chlorobenzene-d5	8.90		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	81
2		Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	81
3		Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	74
4		Cvcloheptane, methyl-	112	C8H16	004126-78-7	64
5		1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

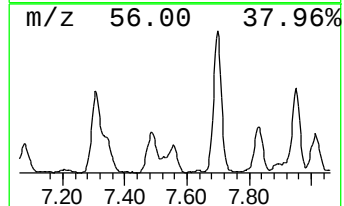
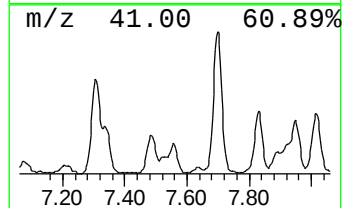
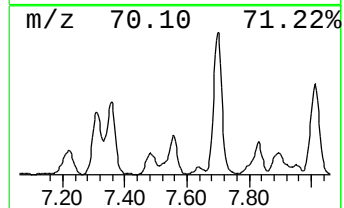
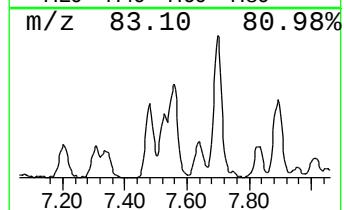
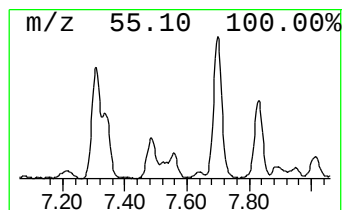
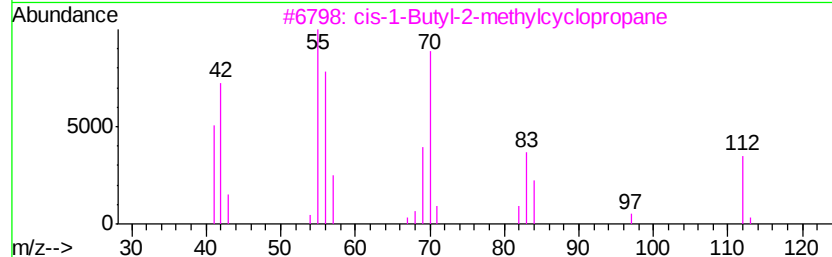
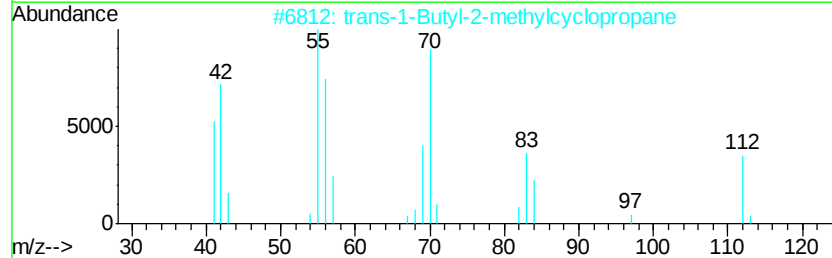
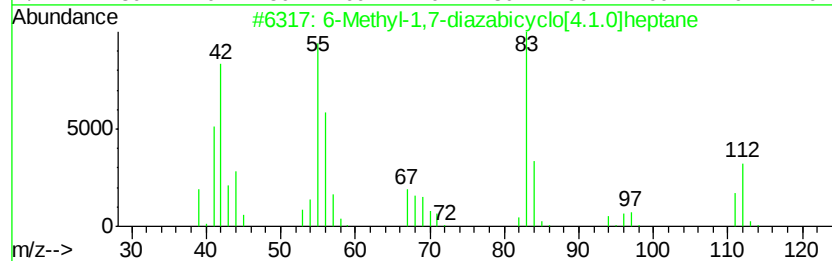
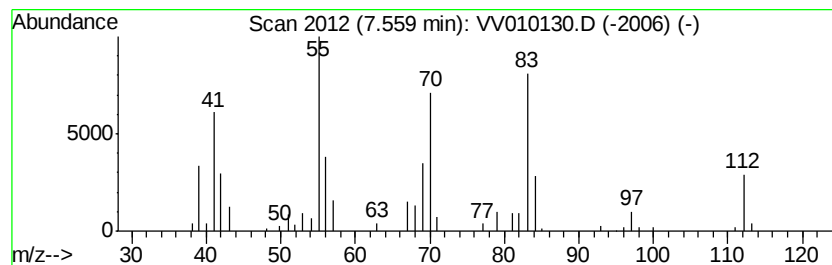
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 6-Methyl-1,7-diazabicyclo[4... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	4.18 ug/L	190489	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Methyl-1,7-diazabicyclo[4.1.0]...	112	C6H12N2	108602-71-7	60
2		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	58
3		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	58
4		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	49
5		4-Octene, (E)-	112	C8H16	014850-23-8	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

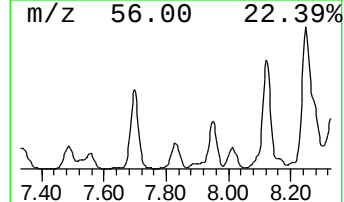
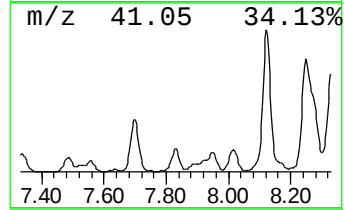
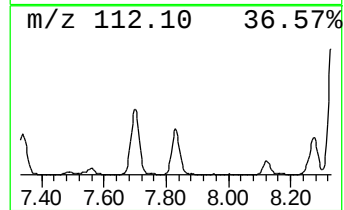
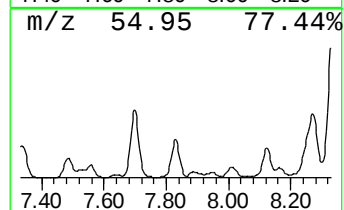
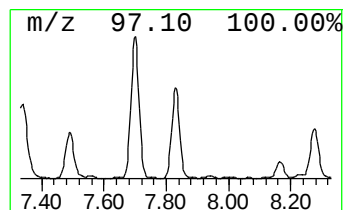
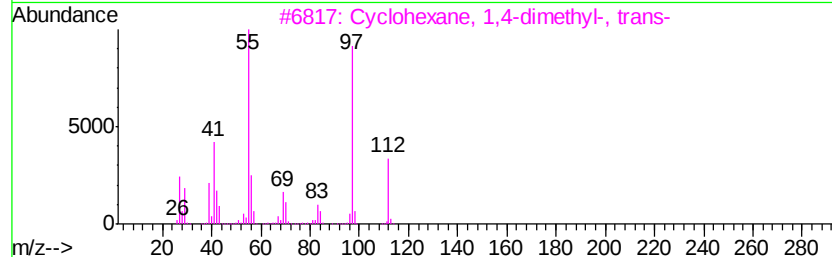
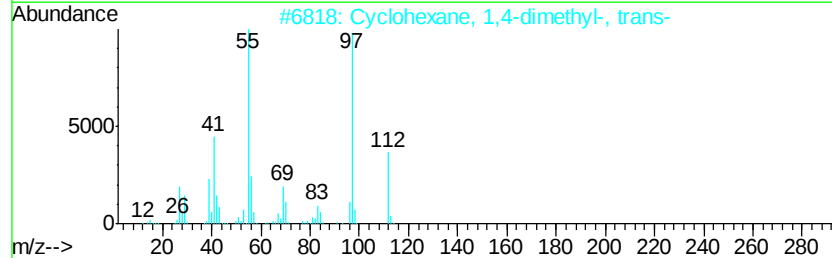
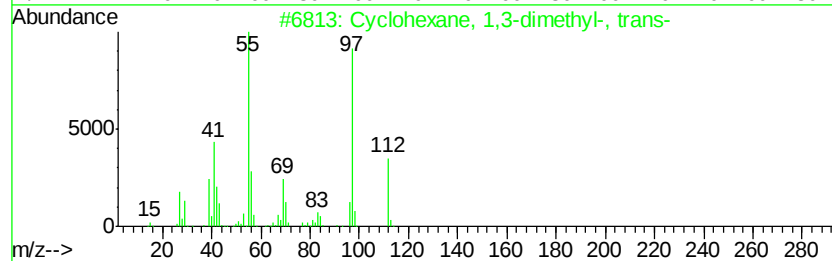
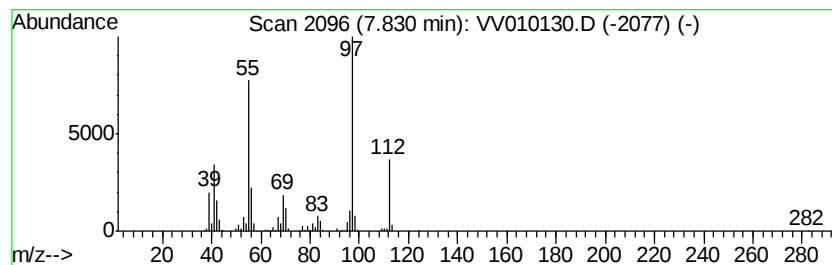
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 (DEL) Alkane: Cyclic7.83 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	11.91 ug/L	542498	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95
3		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
5		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

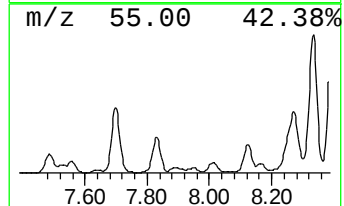
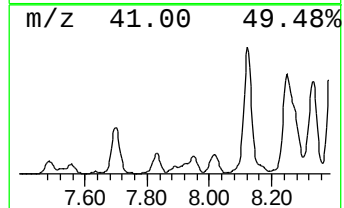
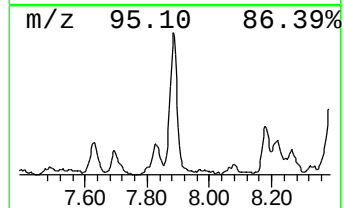
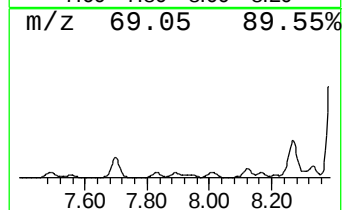
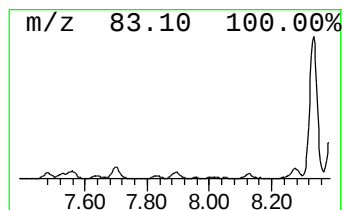
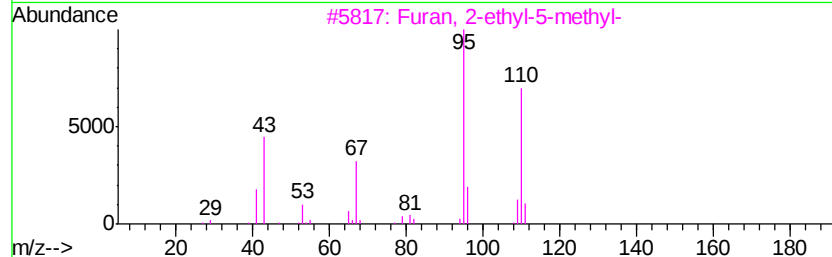
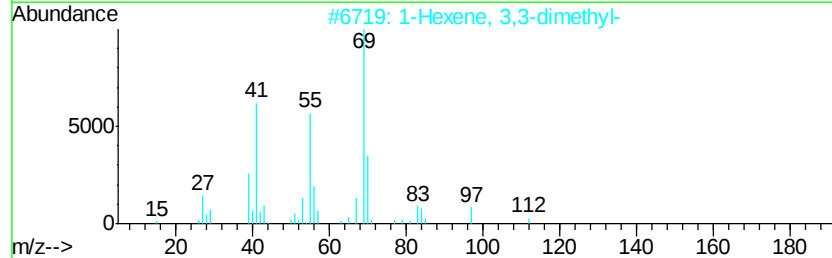
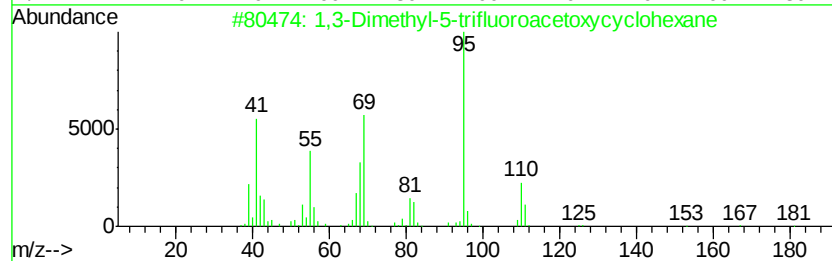
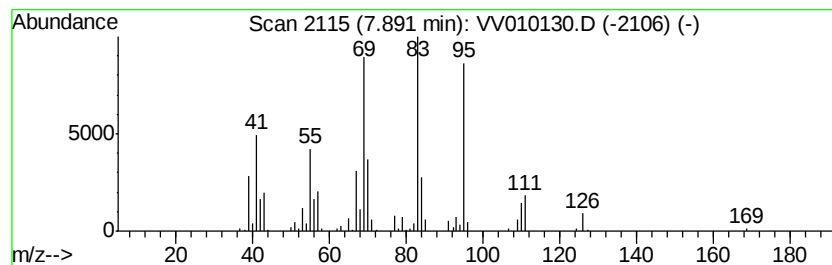
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown-01 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	3.05 ug/L	138943	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Dimethyl-5-trifluoroacetoxyc...	224	C10H15F3O2	1000216-63-7	37
2			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	27
3			Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	25
4			Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	25
5			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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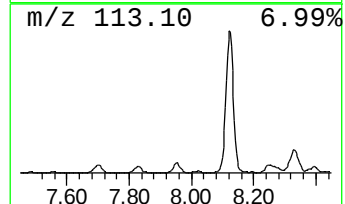
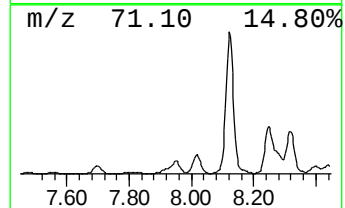
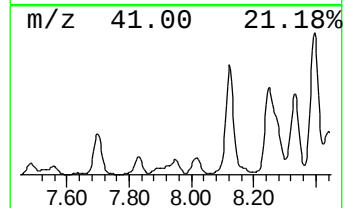
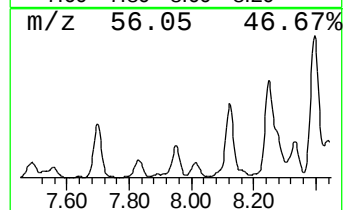
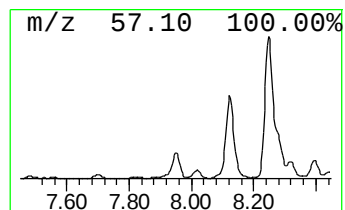
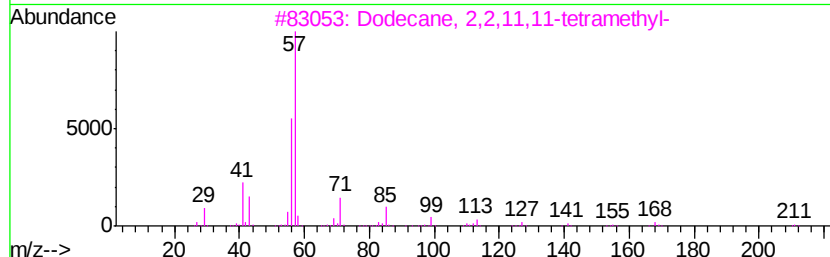
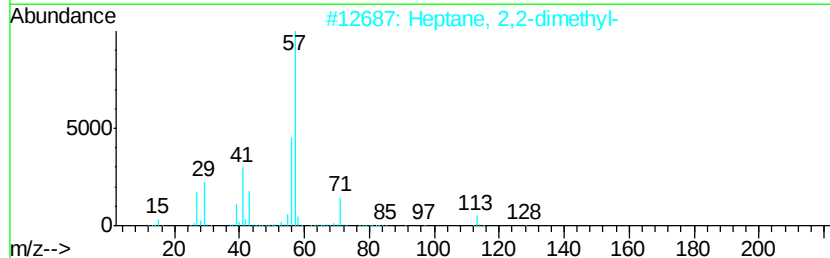
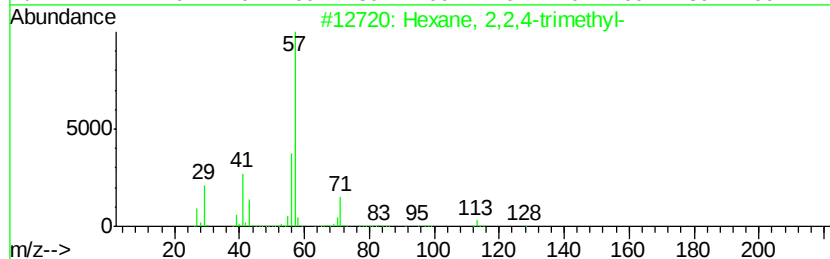
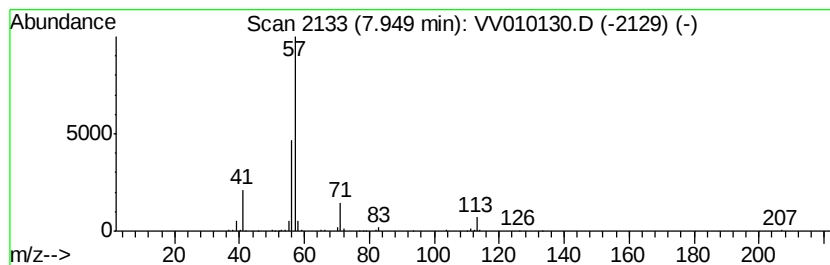
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	4.86 ug/L	221529	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	78
2			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	78
3			Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	72
4			Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	56
5			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

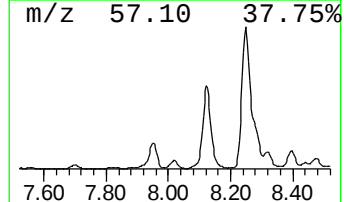
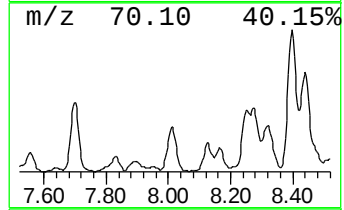
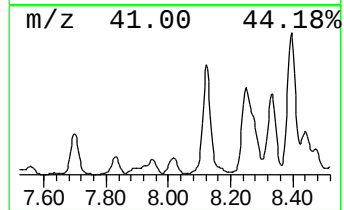
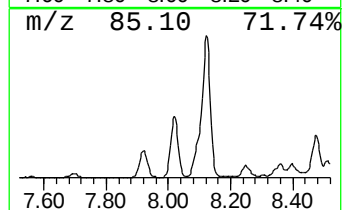
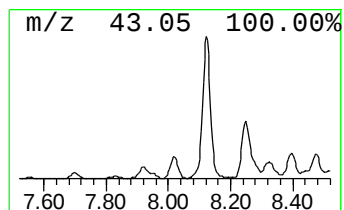
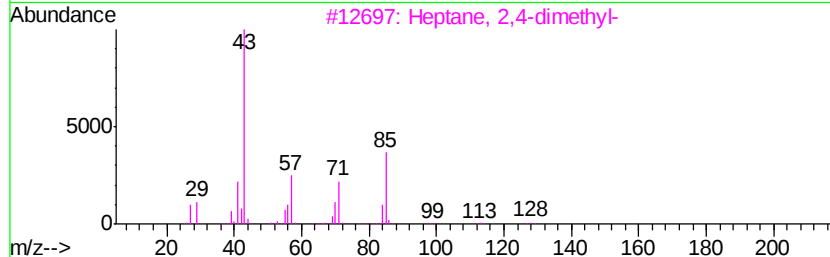
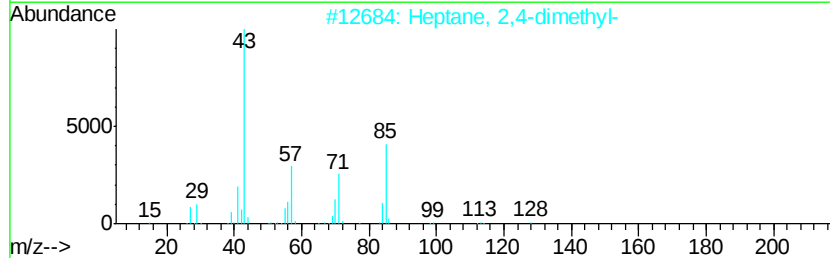
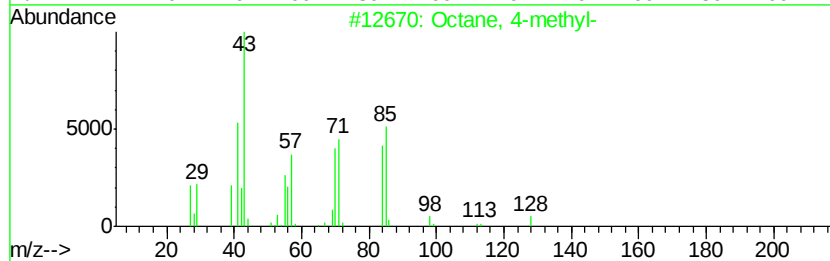
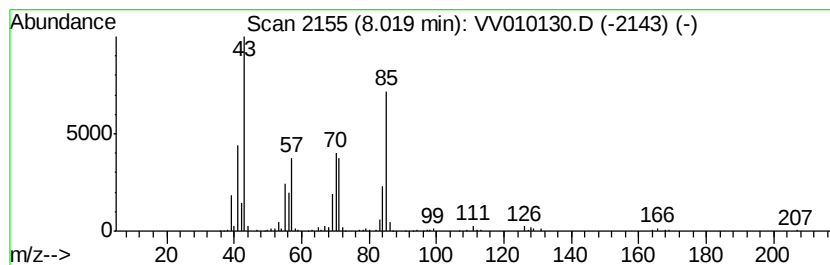
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	9.22 ug/L	419833	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 4-methyl-	128	C9H20	002216-34-4	72
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5			1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BF5F8

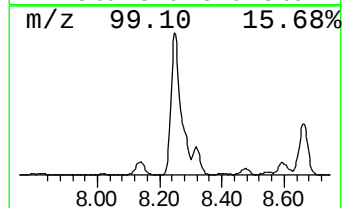
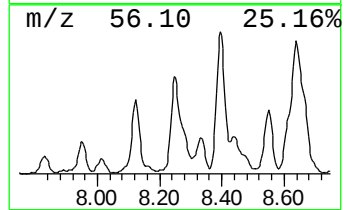
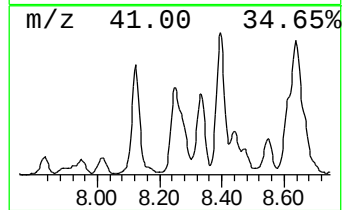
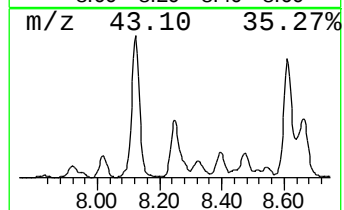
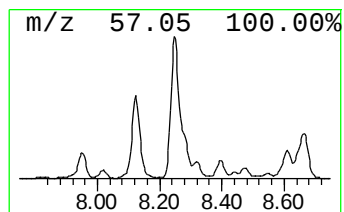
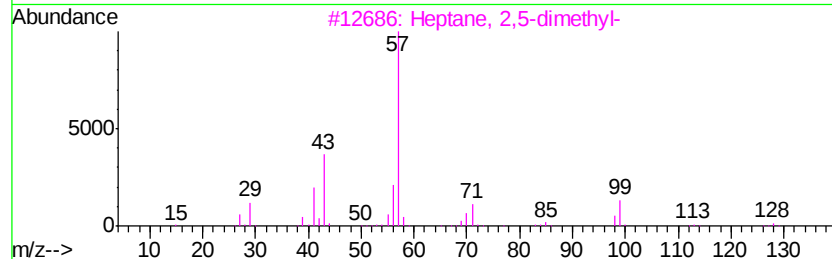
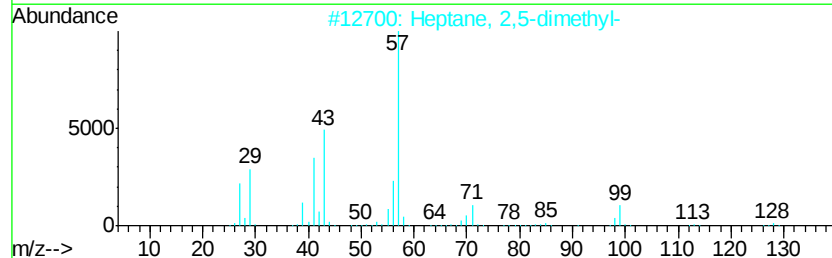
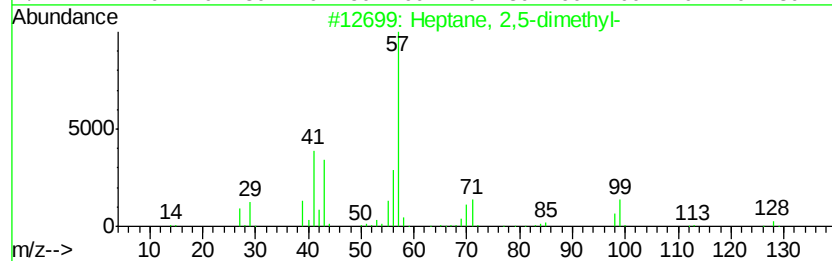
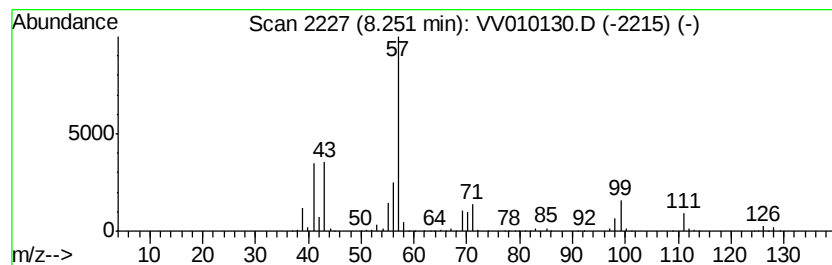
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	60.46 ug/L	2754480	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	76
5		Octane, 3-methyl-	128	C9H20	002216-33-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

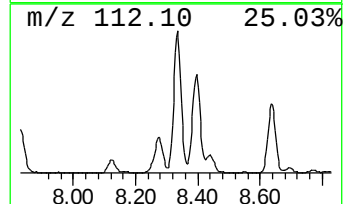
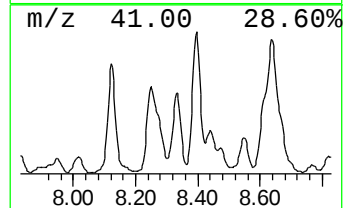
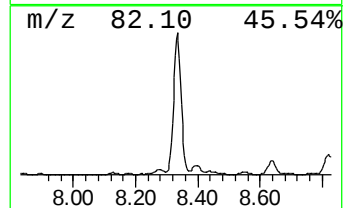
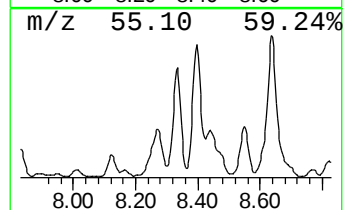
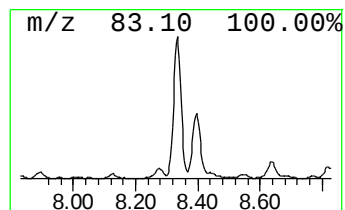
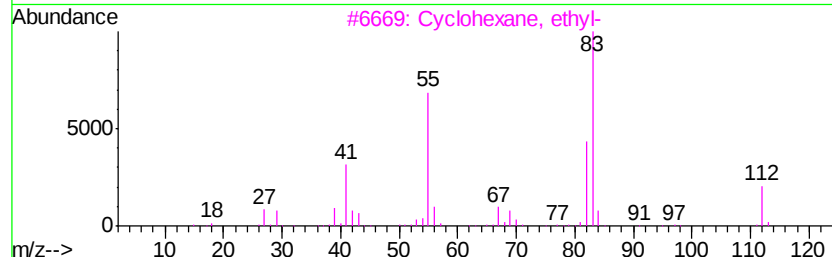
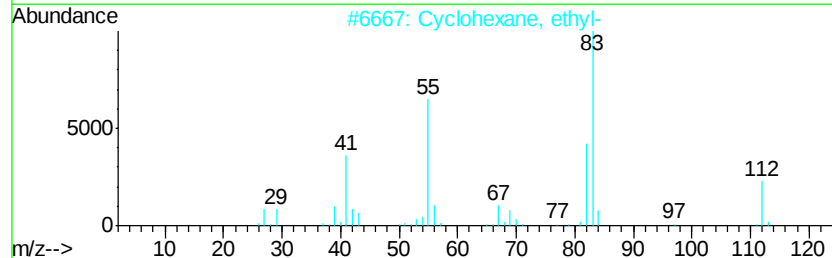
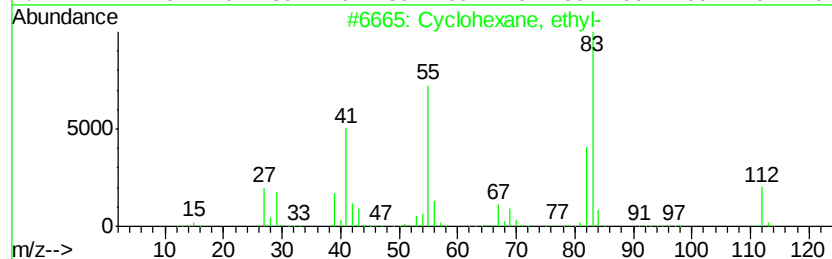
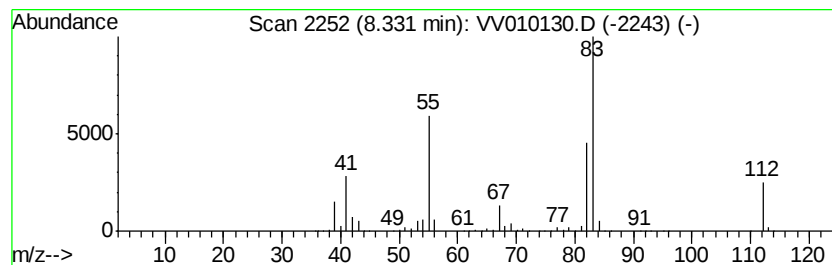
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 (DEL) Alkane: Cyclic8.33 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	39.77 ug/L	1811670	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5		Oxalic acid, dicyclohexyl ester	254	C14H22O4	1000309-30-9	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

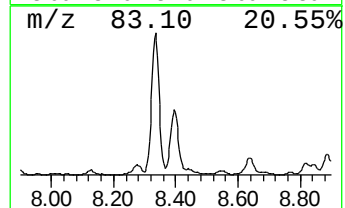
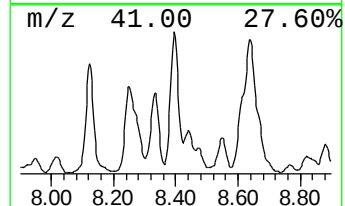
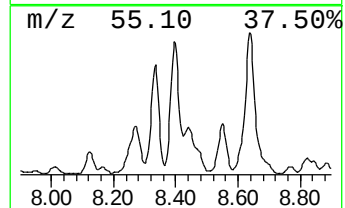
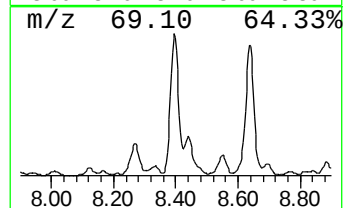
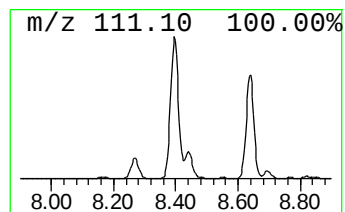
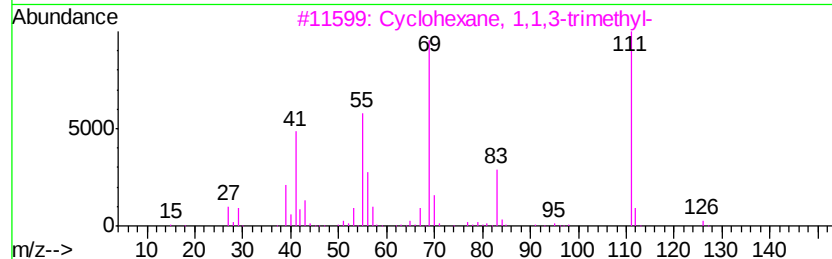
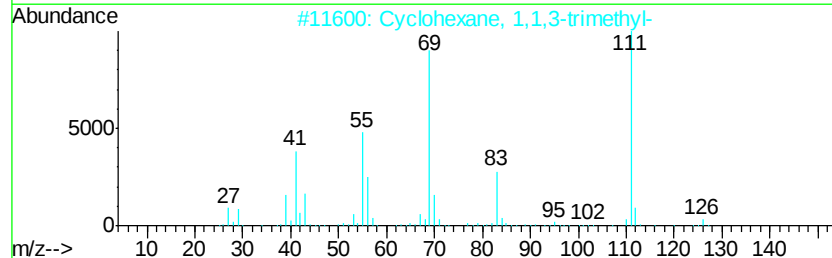
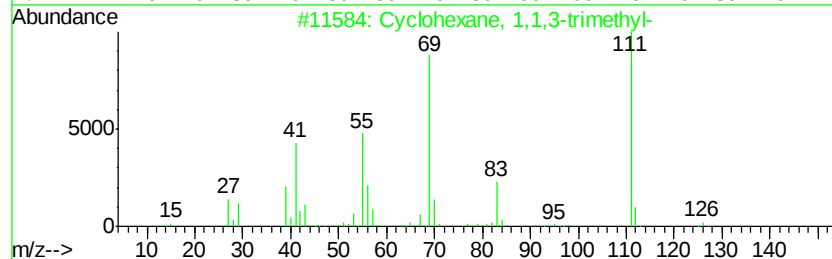
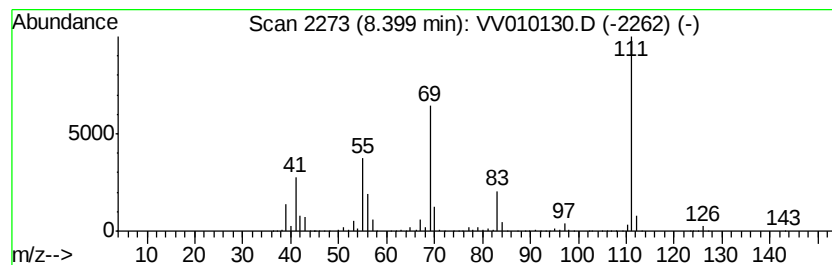
Instrument :
MSVOA_V
ClientSampleId :
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 (DEL) Alkane: Cyclic8.40 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.40	87.10 ug/L	3968080	Chlorobenzene-d5	8.90	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	97
2	Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
3	Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	92
4	Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
5	Isocytosine	111	C4H5N3O	000108-53-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

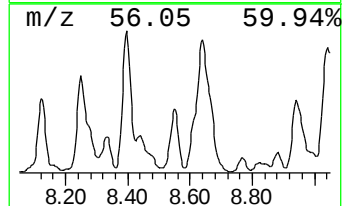
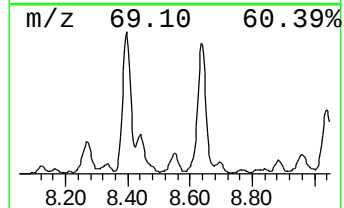
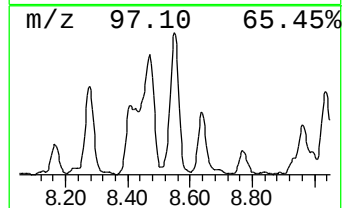
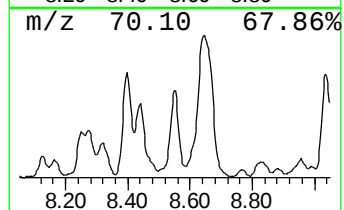
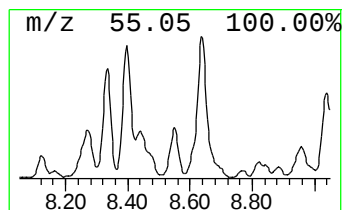
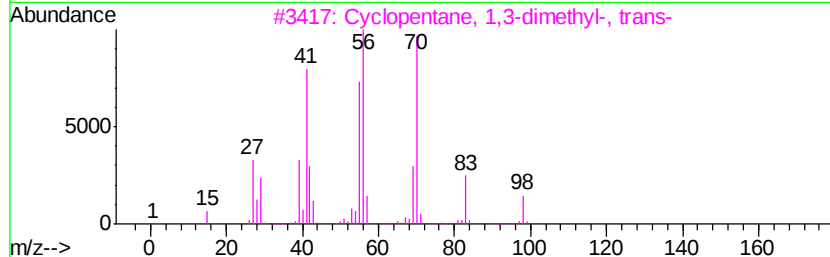
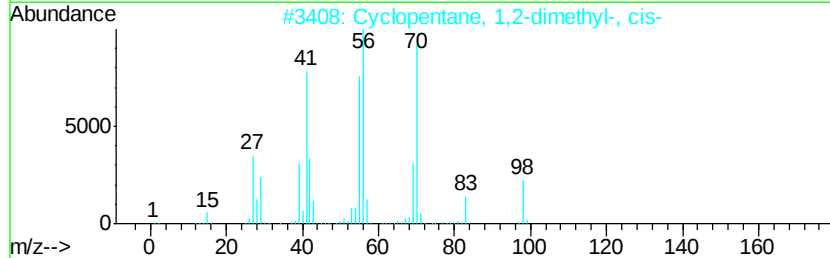
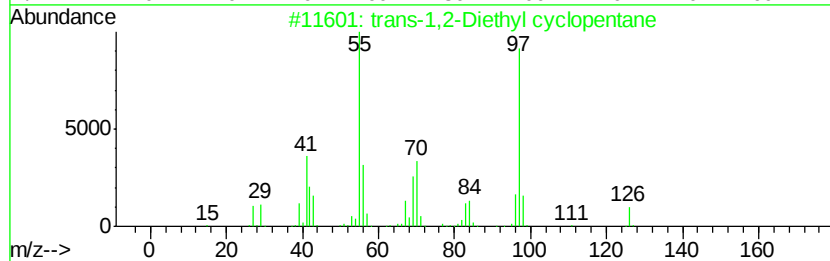
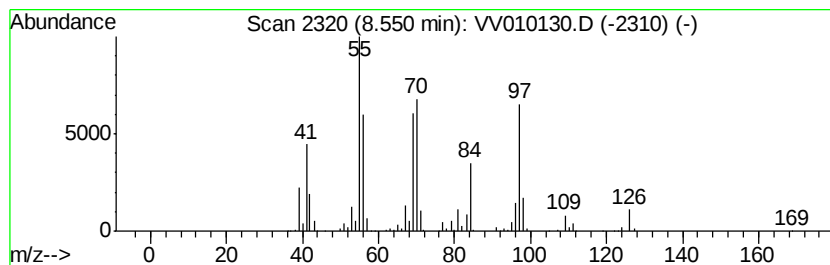
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 (DEL) Alkane: Cyclic8.55 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	19.34 ug/L	881177	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	64
2		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	55
3		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	46
4		Aziridine, 2-hexyl-	127	C8H17N	013906-89-3	43
5		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

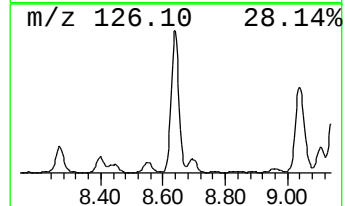
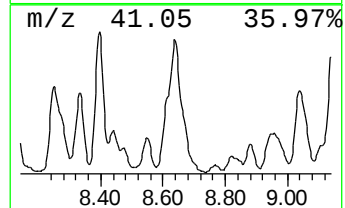
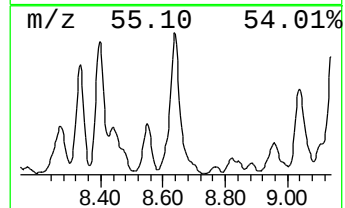
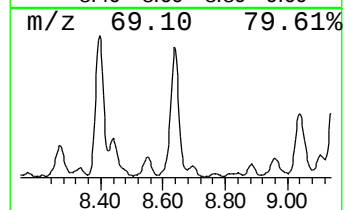
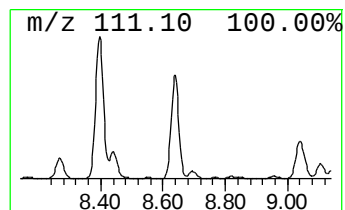
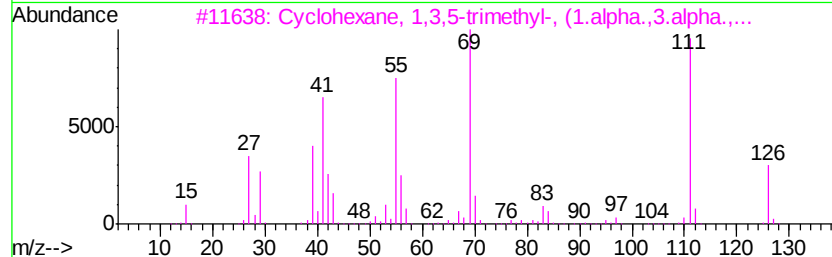
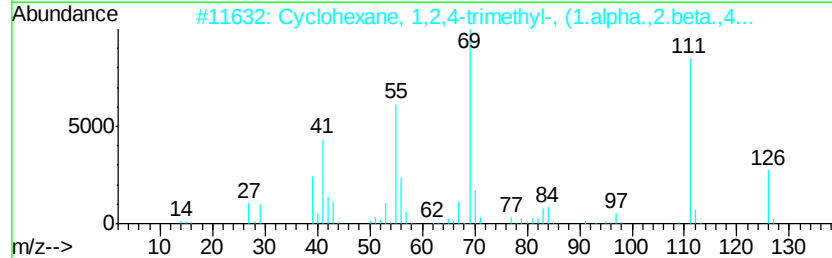
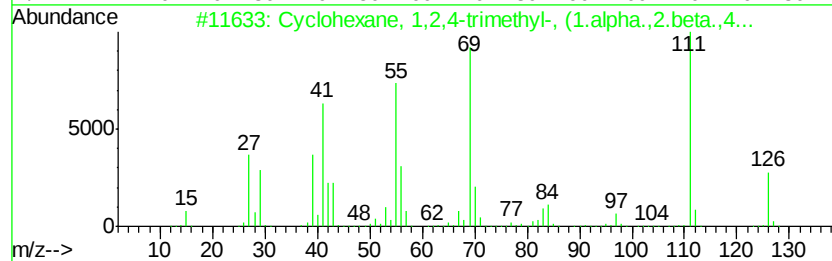
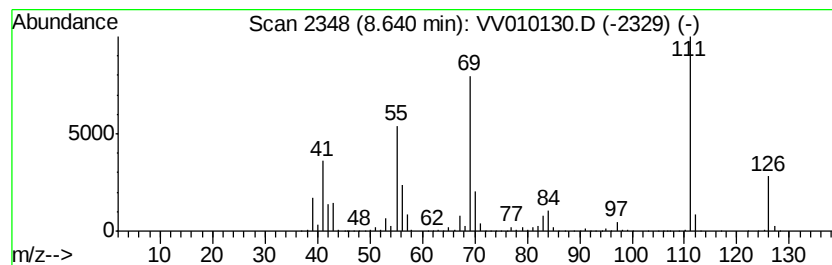
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 (DEL) Alkane: Cyclic8.64 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	143.33 ug/L	6529830	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
2		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
4		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	002234-75-5	81
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

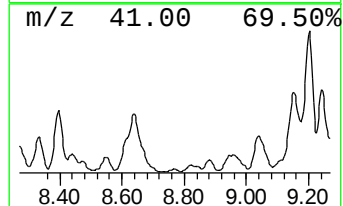
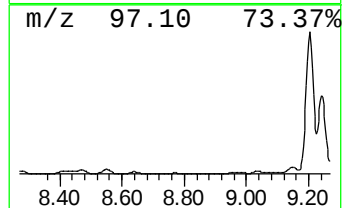
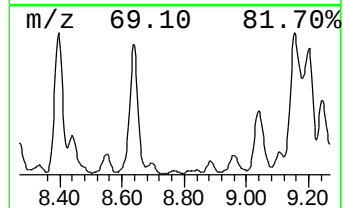
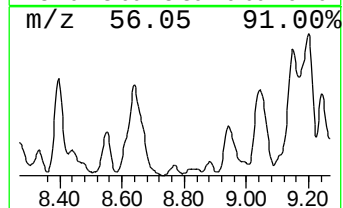
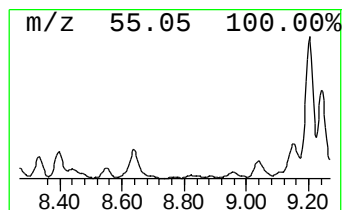
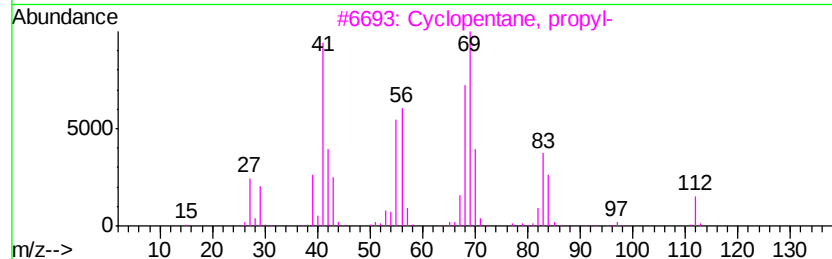
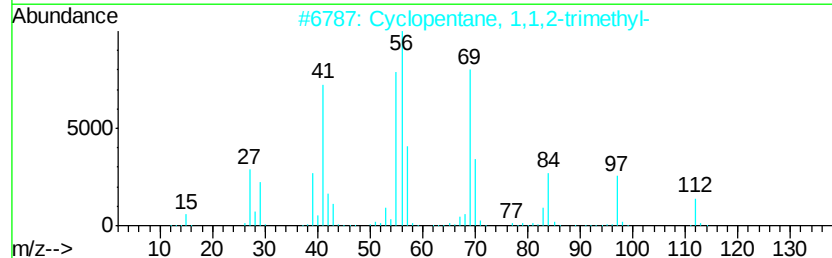
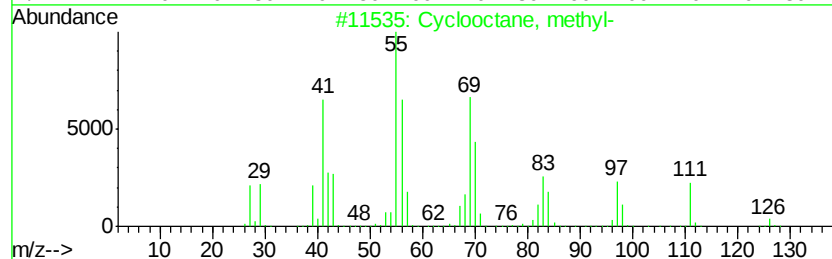
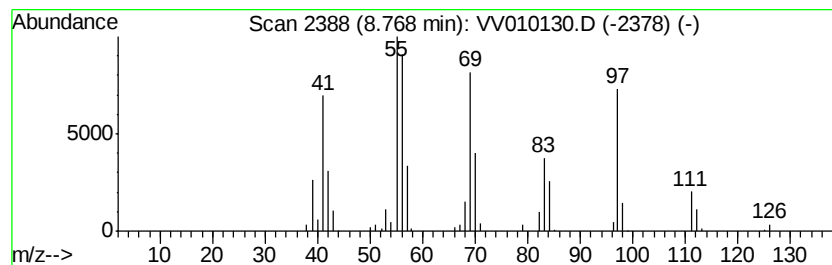
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 (DEL) Alkane: Cyclic8.77 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	3.13 ug/L	142632	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, methyl-	126	C9H18	001502-38-1	64
2			Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	62
3			Cyclopentane, propyl-	112	C8H16	002040-96-2	55
4			Cyclooctane, methyl-	126	C9H18	001502-38-1	53
5			Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

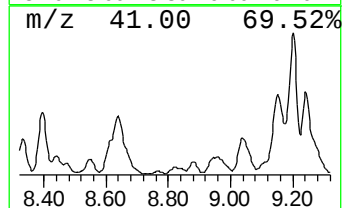
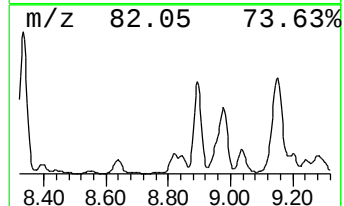
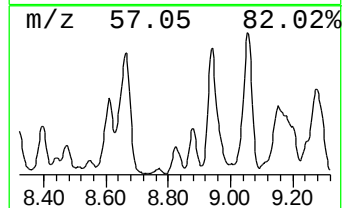
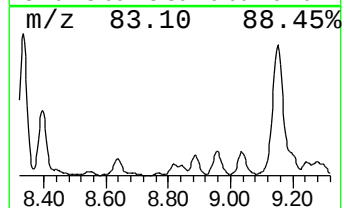
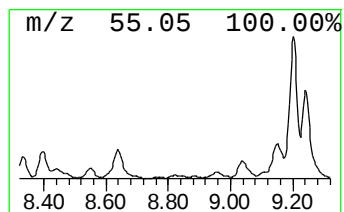
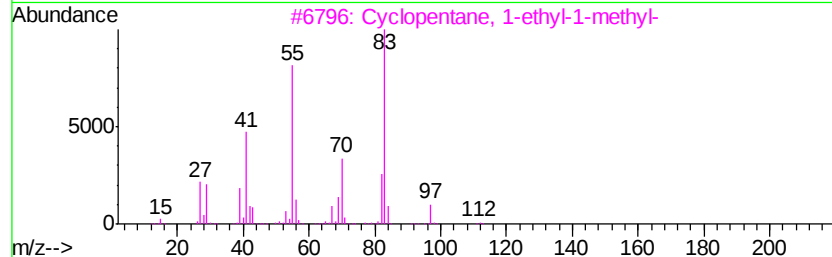
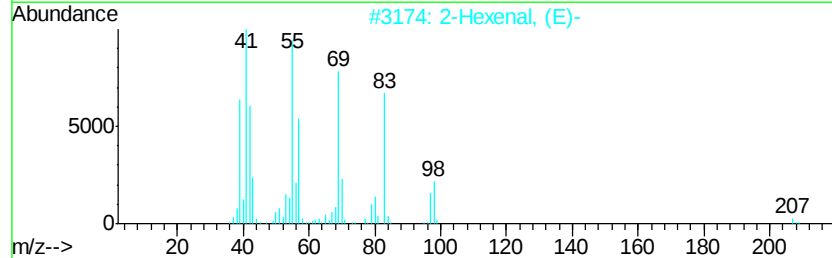
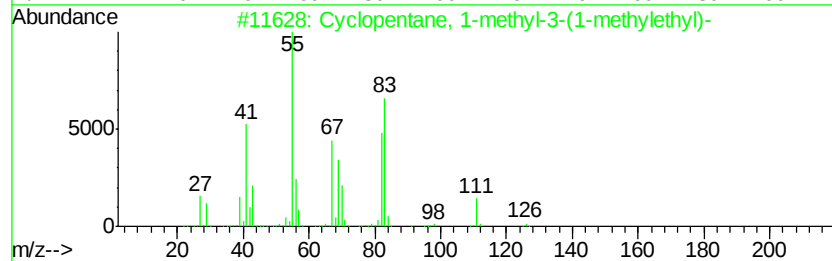
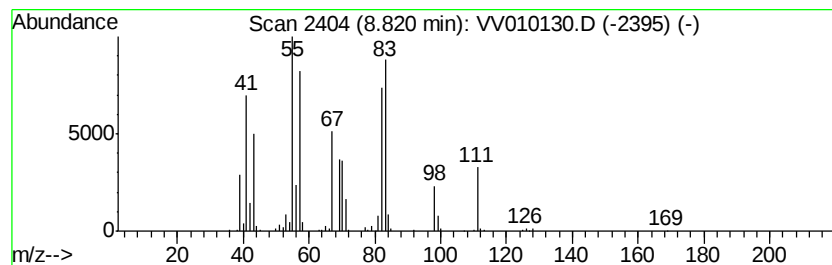
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 (DEL) Alkane: Cyclic8.82 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	10.90 ug/L	496398	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	46
2		2-Hexenal, (E)-	98	C6H10O	006728-26-3	46
3		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	38
4		2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	35
5		2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BF5F8

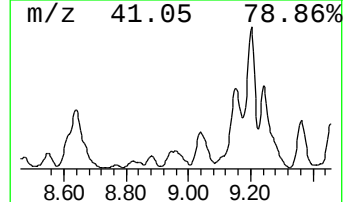
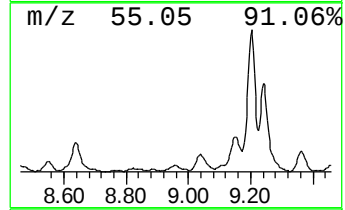
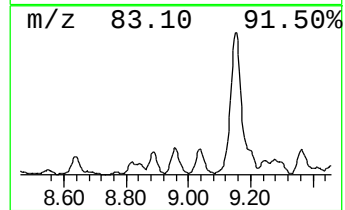
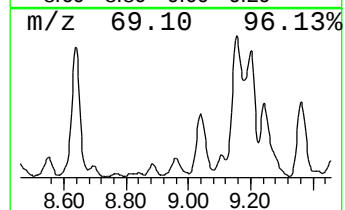
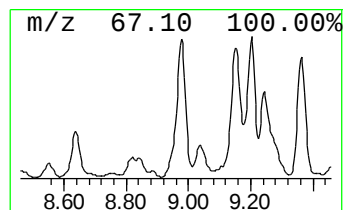
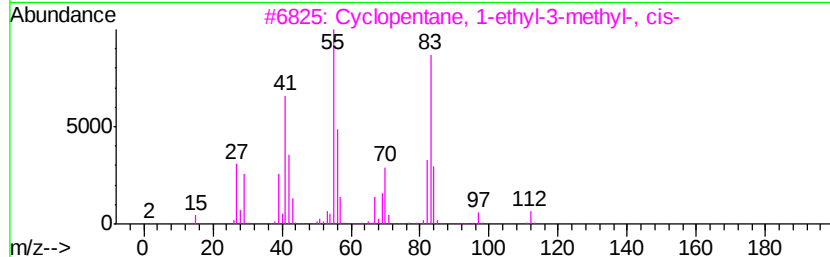
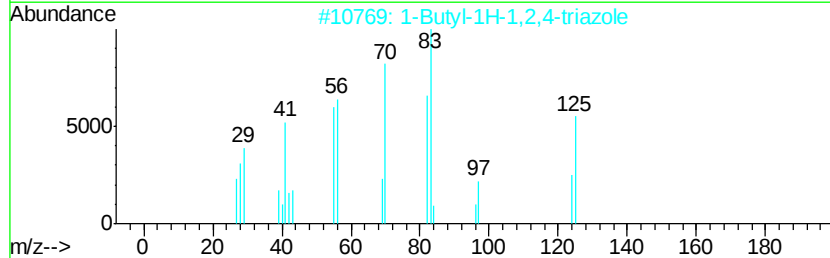
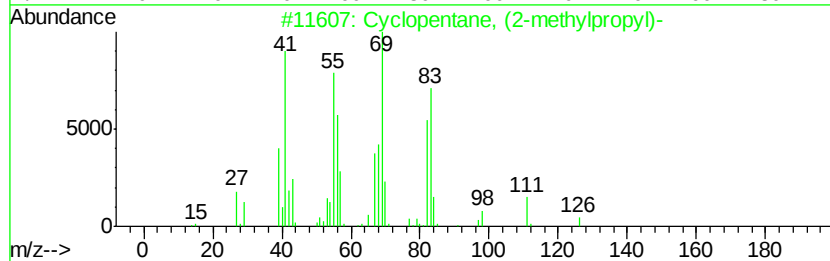
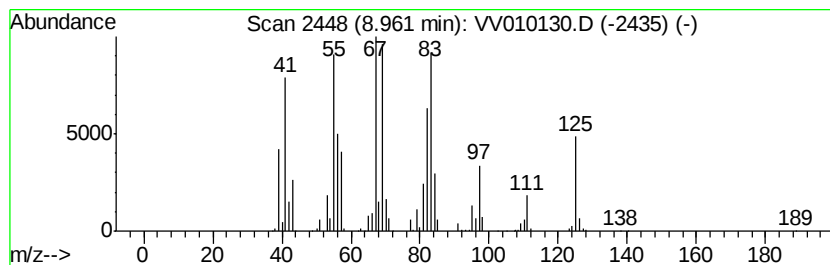
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 (DEL) Alkane: Cyclic8.96 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	36.44 ug/L	1659980	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	49
2		1-Butyl-1H-1,2,4-triazole	125	C6H11N3	006086-22-2	43
3		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	35
4		Cyclooctane, cyclohexyl-	194	C14H26	092369-78-3	35
5		5-Heptenal, 2,6-dimethyl-	140	C9H16O	000106-72-9	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

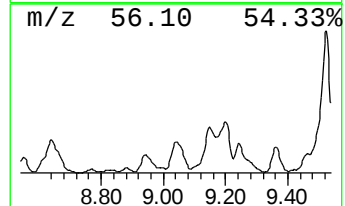
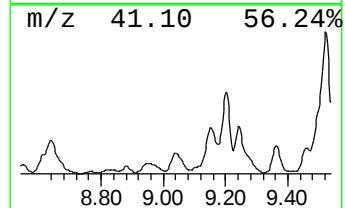
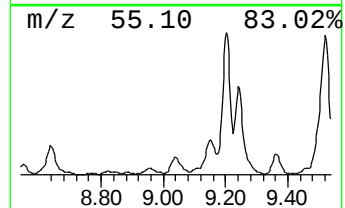
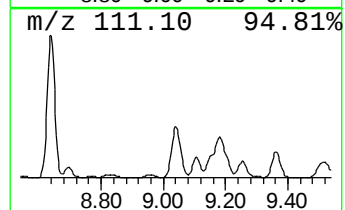
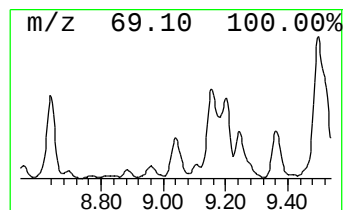
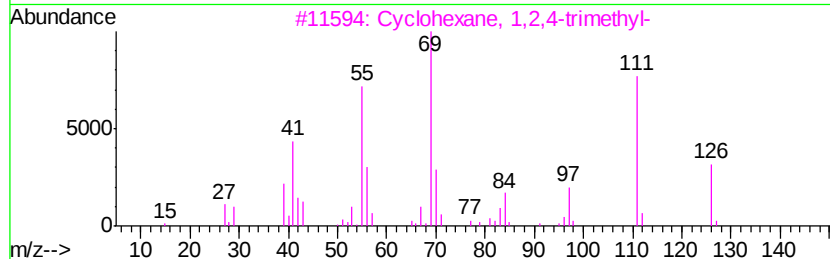
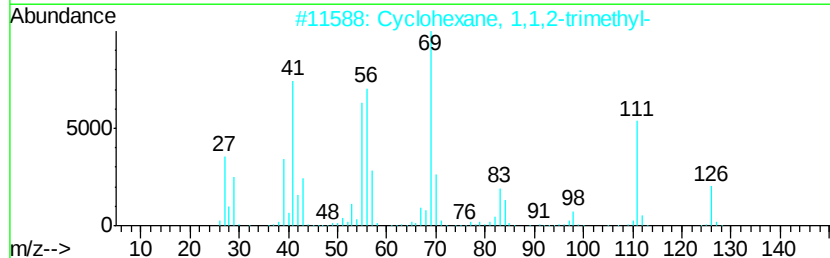
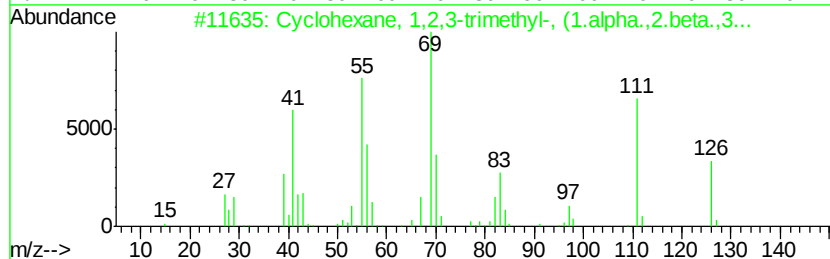
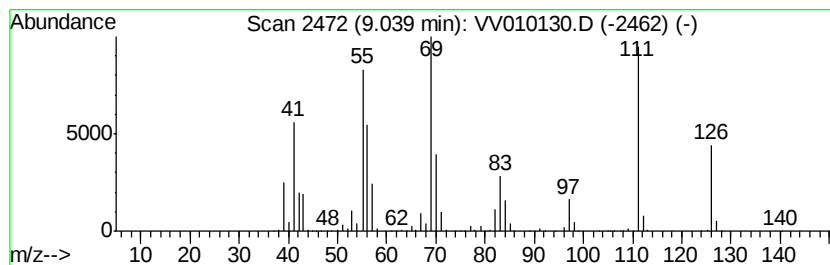
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 (DEL) Alkane: Cyclic9.04 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	60.69 ug/L	2765090	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	94
2		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	83
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
5		Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

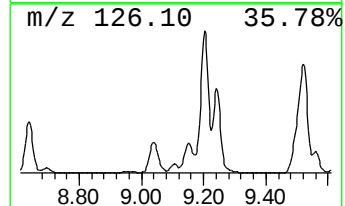
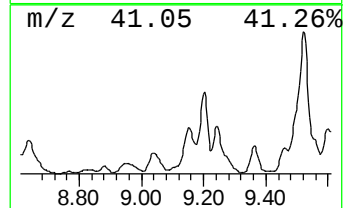
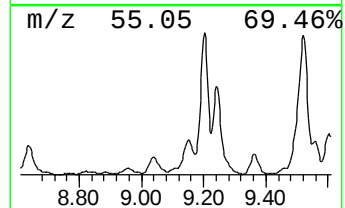
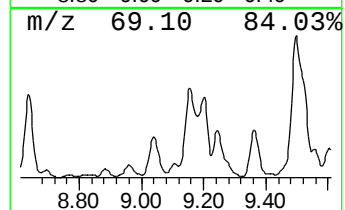
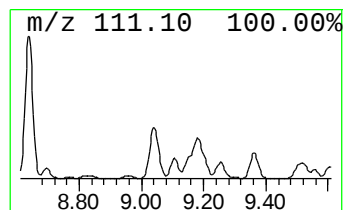
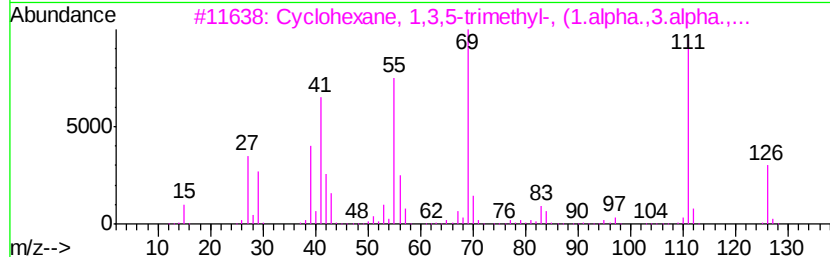
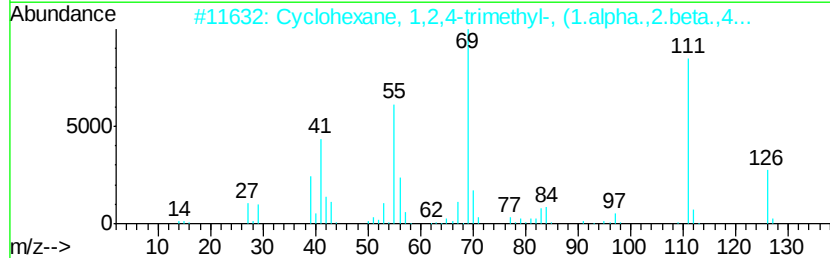
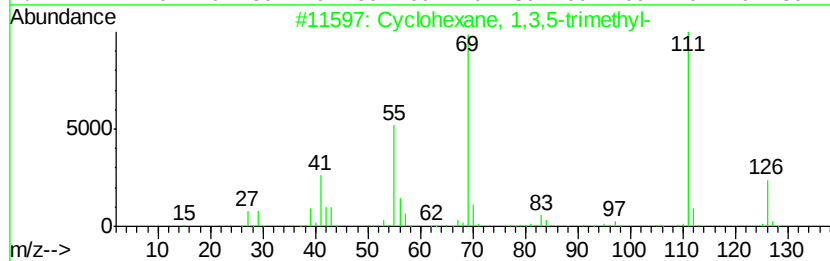
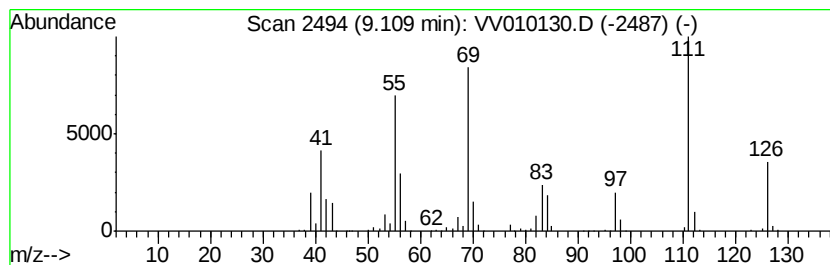
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 (DEL) Alkane: Cyclic9.11 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	8.47 ug/L	386029	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	76
2		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	74
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	74
4		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	70
5		Cyclooctane, butyl-	168	C12H24	016538-93-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

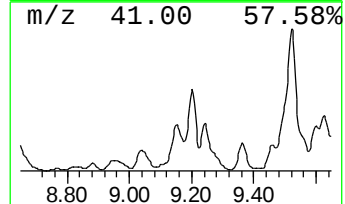
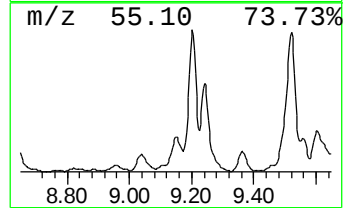
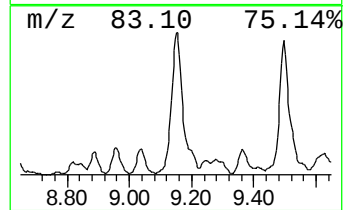
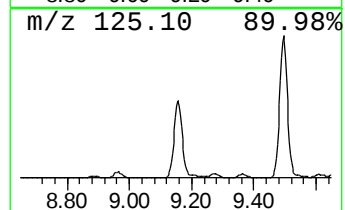
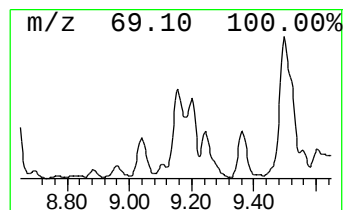
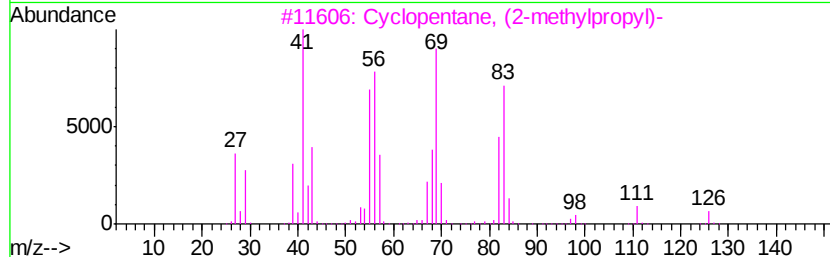
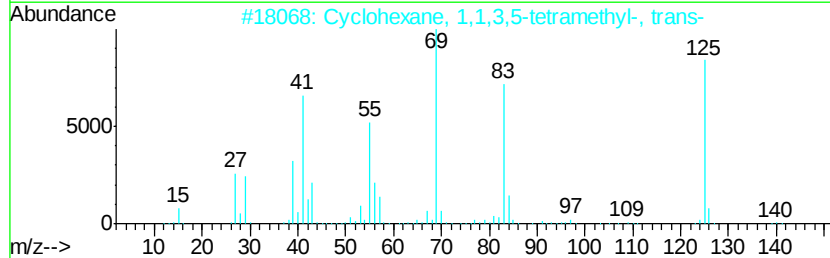
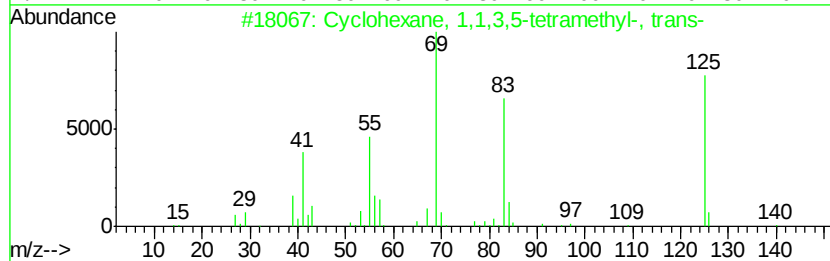
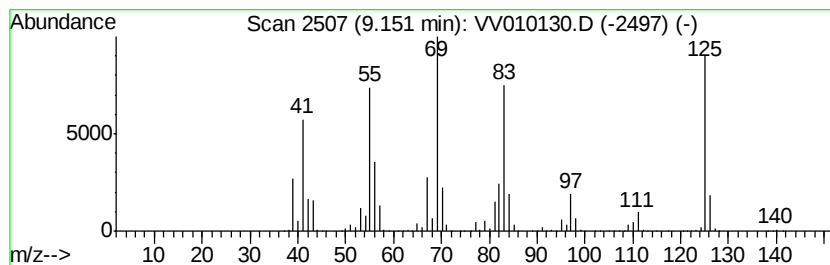
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 (DEL) Alkane: Cyclic9.15 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	133.00 ug/L	6059280	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	64
2		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	58
3		Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	50
4		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	43
5		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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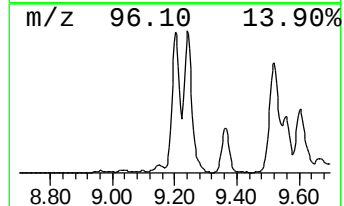
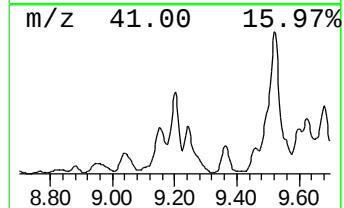
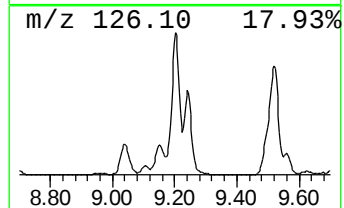
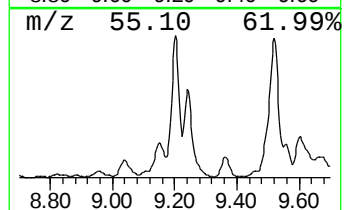
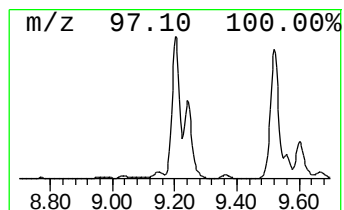
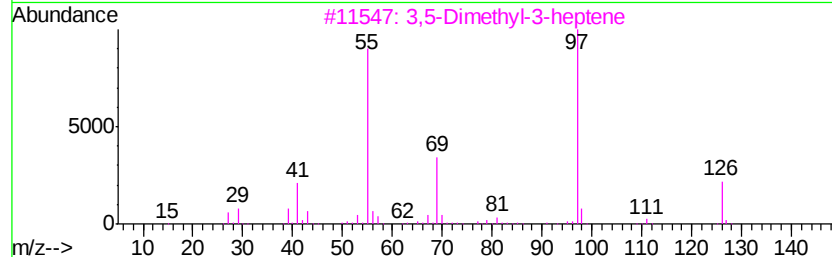
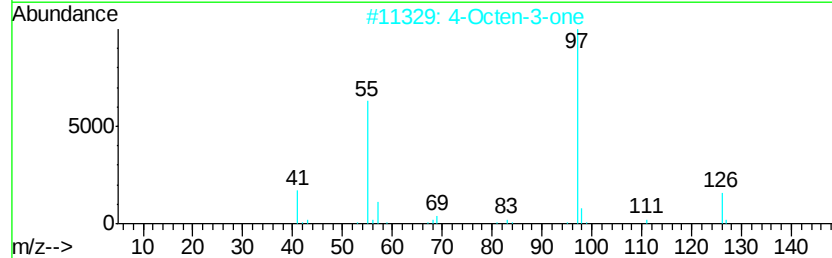
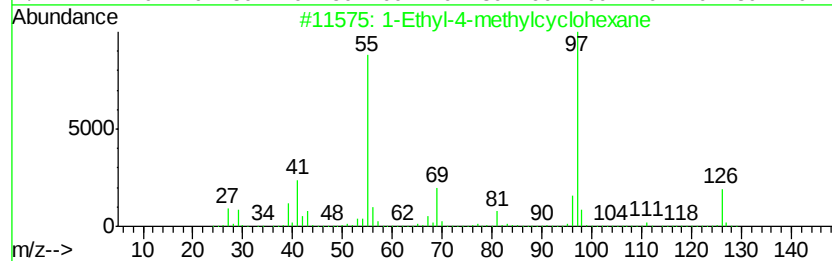
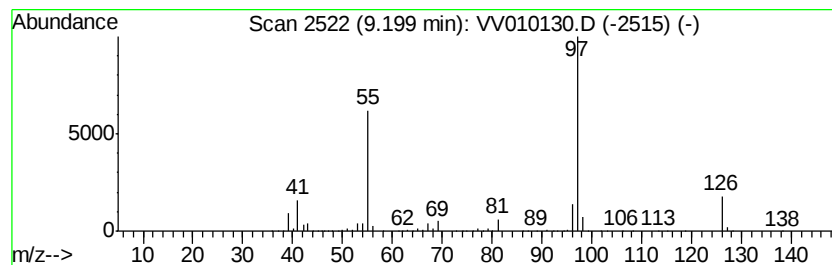
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 (DEL) Alkane: Cyclic9.20 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	234.74 ug/L	10694300	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2		4-Octen-3-one	126	C8H14O	014129-48-7	80
3		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	80
4		Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	64
5		Thiophene, 2-propyl-	126	C7H10S	001551-27-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

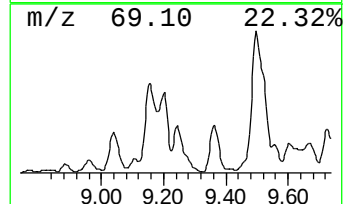
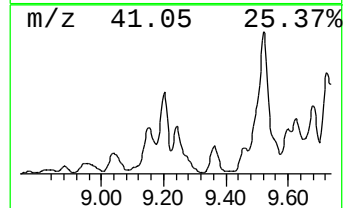
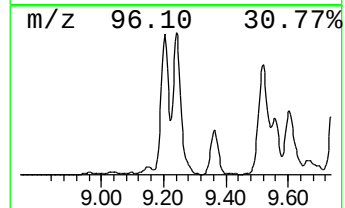
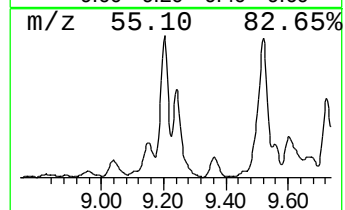
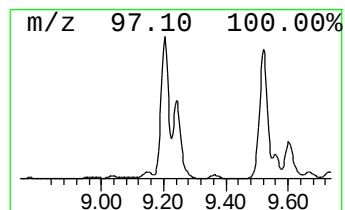
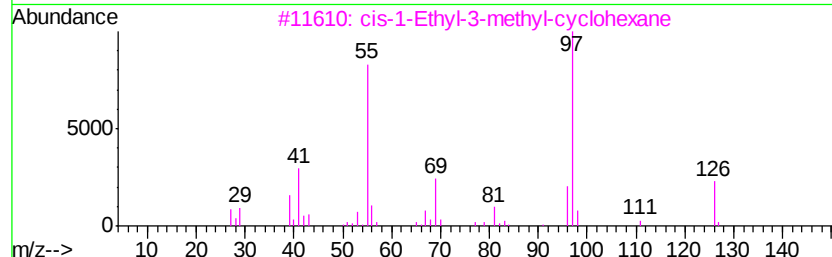
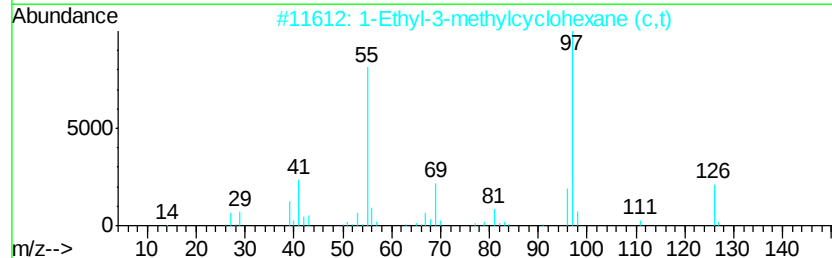
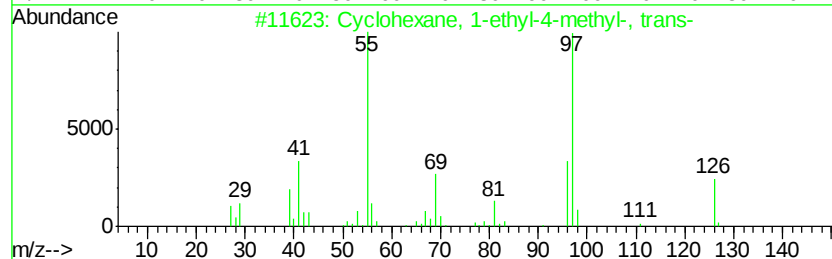
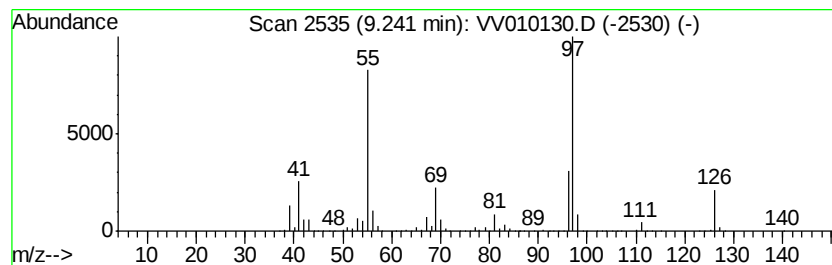
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 (DEL) Alkane: Cyclic9.24 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	171.88 ug/L	7830240	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	95
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	93
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	91
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BF5F8

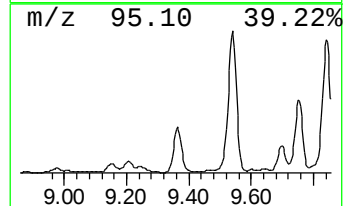
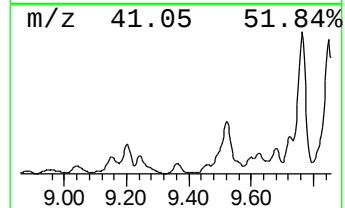
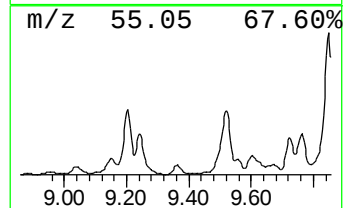
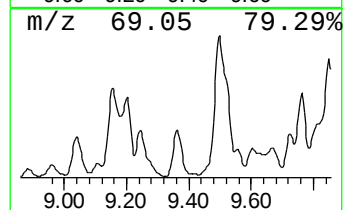
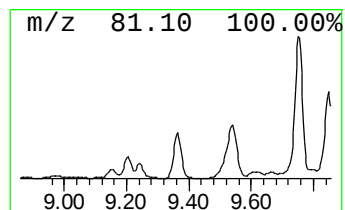
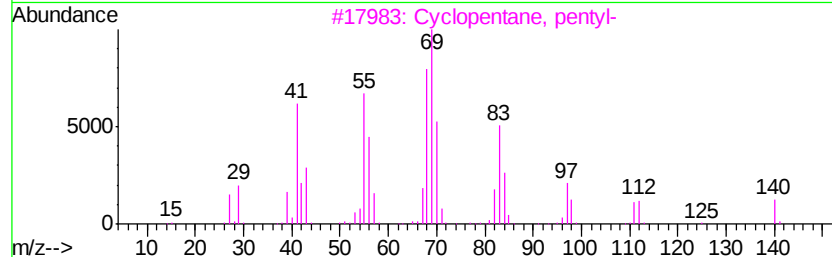
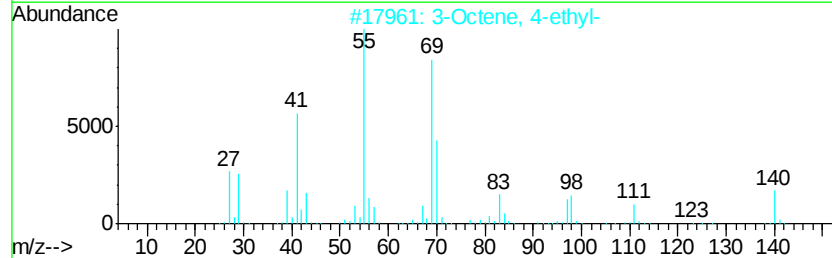
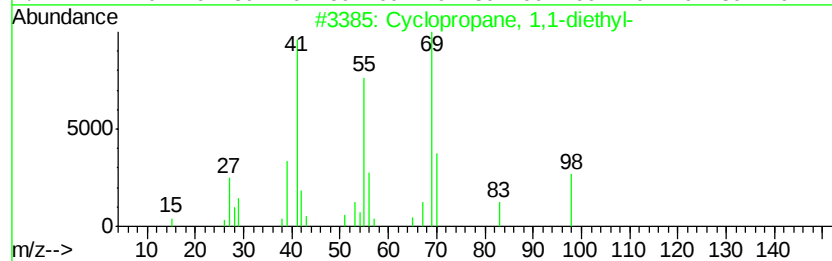
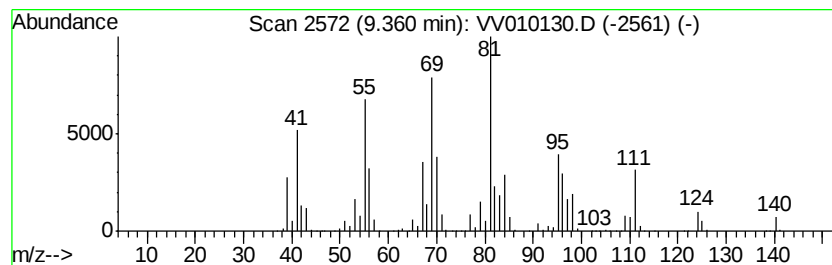
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 (DEL) Alkane: Cyclic9.36 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	88.48 ug/L	4030950	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	42
2		3-Octene, 4-ethyl-	140	C10H20	053966-51-1	38
3		Cyclopentane, pentyl-	140	C10H20	003741-00-2	38
4		3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	35
5		1-Pentene, 3-methyl-	84	C6H12	000760-20-3	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

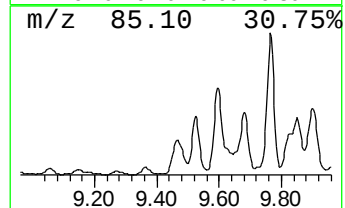
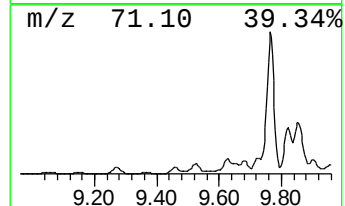
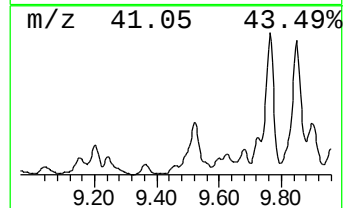
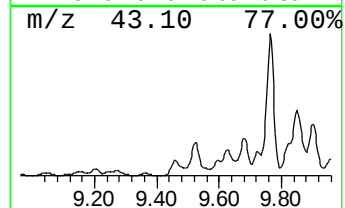
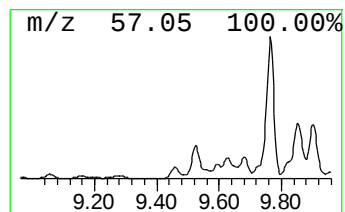
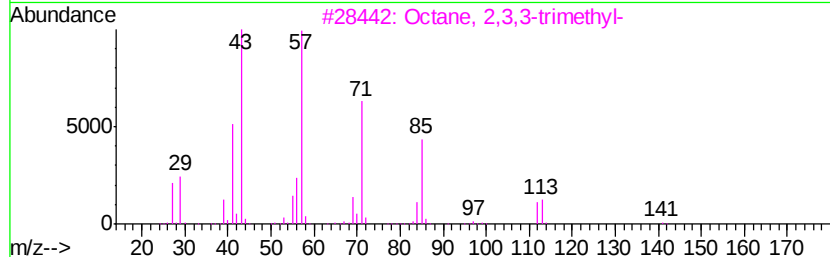
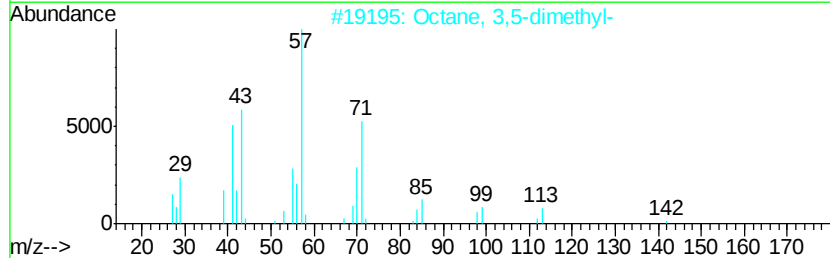
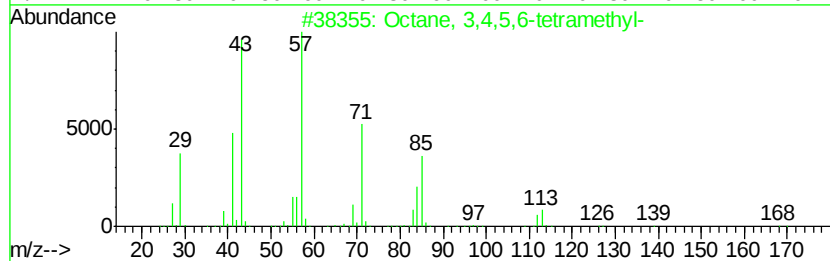
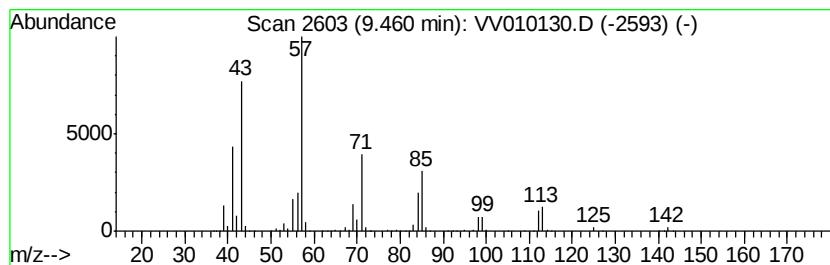
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	40.84 ug/L	1860730	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	72
2		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	72
3		Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	59
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53
5		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

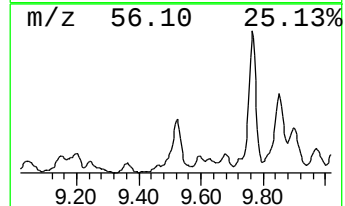
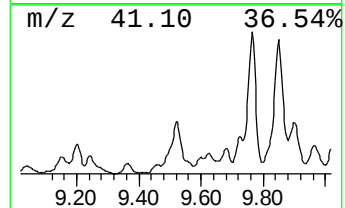
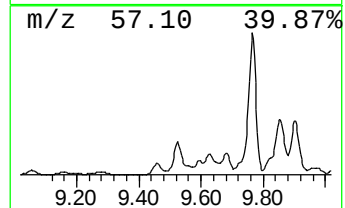
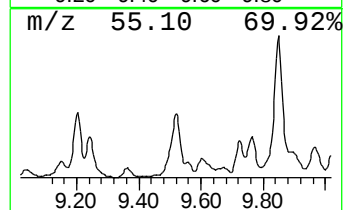
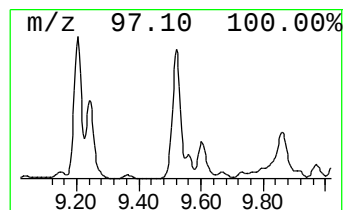
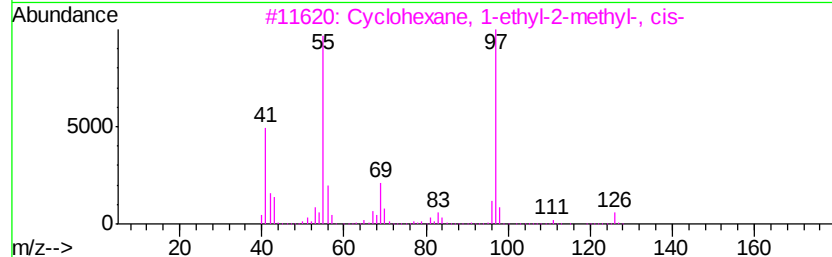
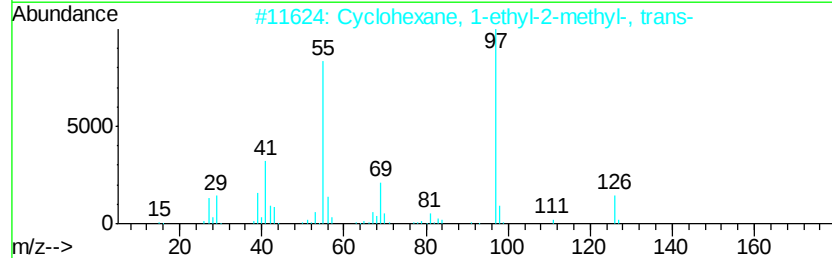
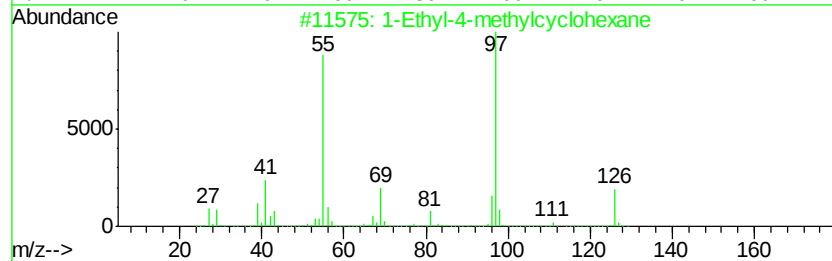
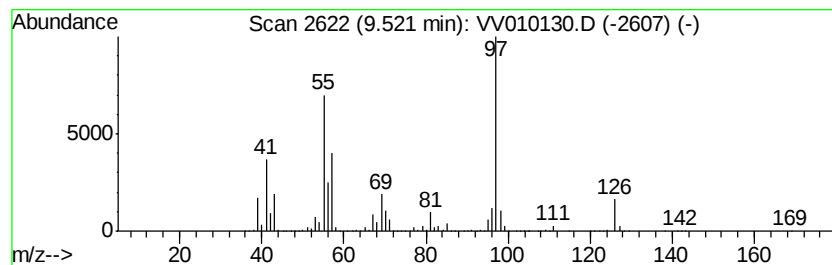
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 (DEL) Alkane: Cyclic9.52 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	428.69 ug/L	19530200	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	70
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	70
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64
4		Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	59
5		2-Pyrazoline, 5-ethyl-1,4-dimethyl-	126	C7H14N2	014339-23-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

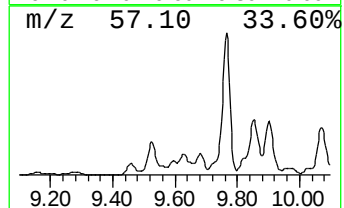
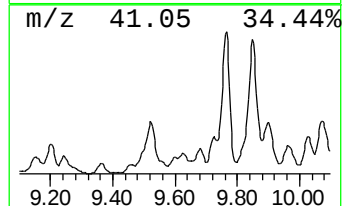
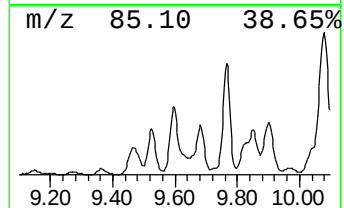
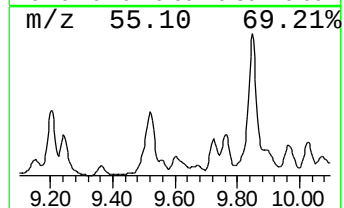
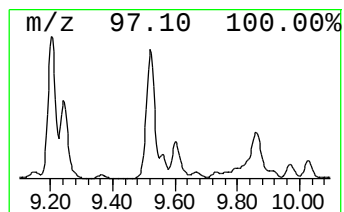
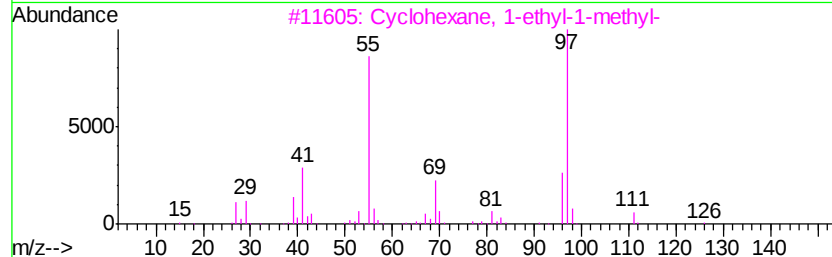
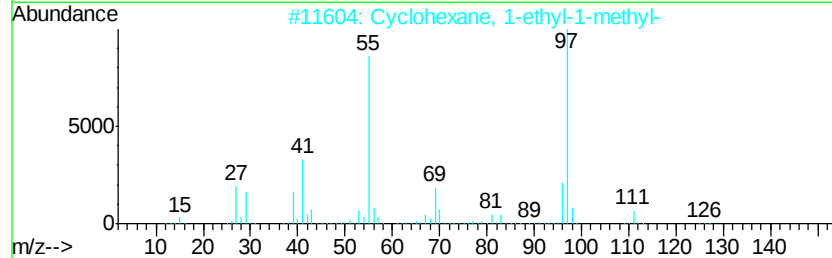
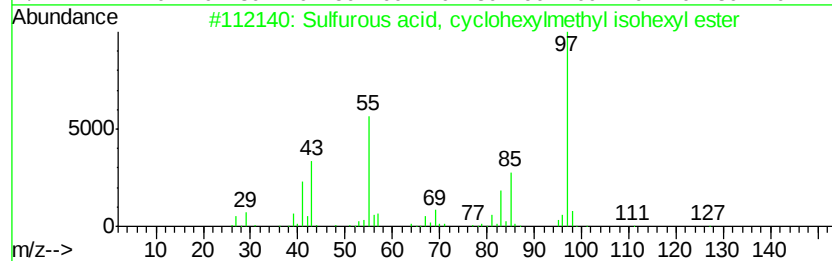
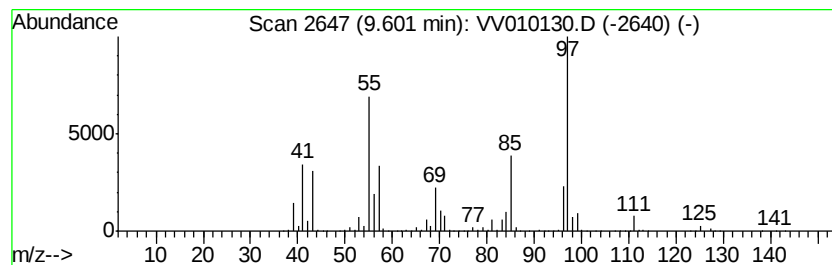
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 Sulfurous acid, cyclohexylm... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	52.46 ug/L	2390060	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cvclohexylmethvl...	262	C13H26O3S	1000309-21-5	53
2		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	52
3		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	52
4		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	50
5		Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

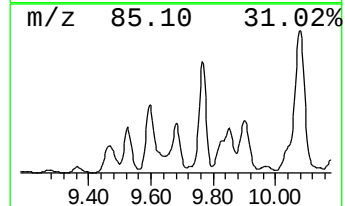
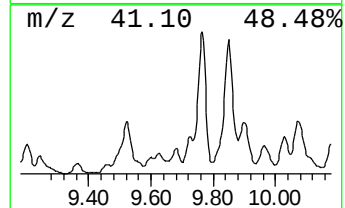
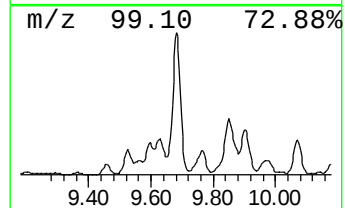
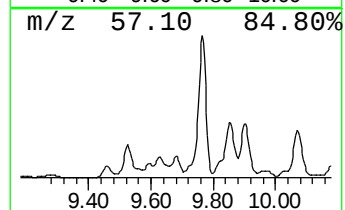
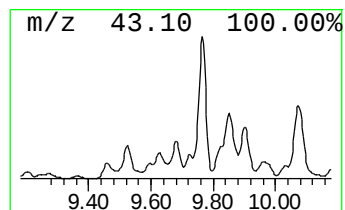
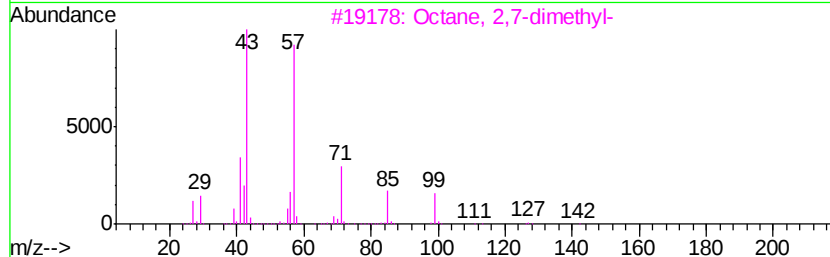
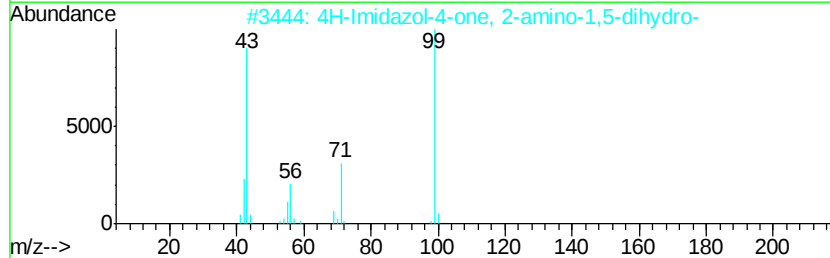
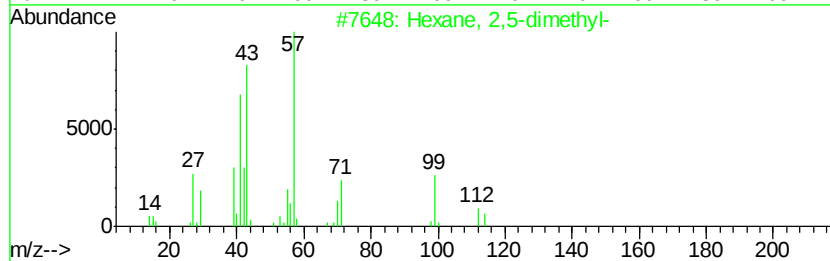
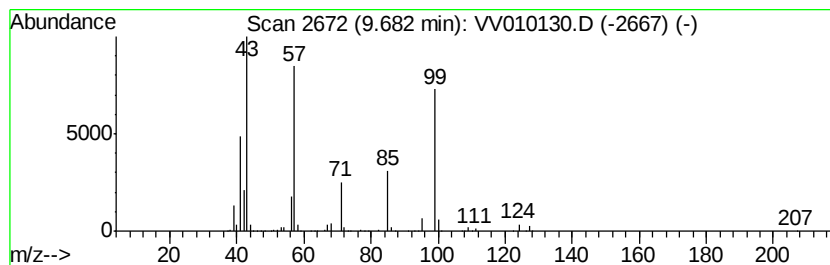
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	45.30 ug/L	2063700	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	59
2		4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	52
3		Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	50
4		Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	45
5		Acetamide, N-ethenyl-N-methyl-	99	C5H9NO	003195-78-6	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

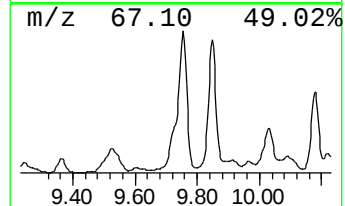
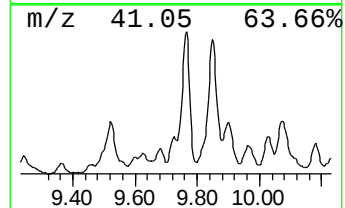
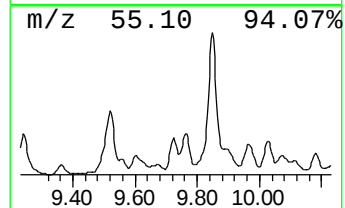
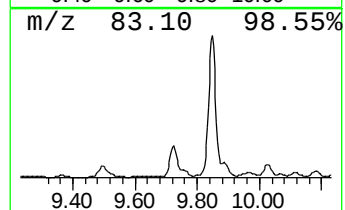
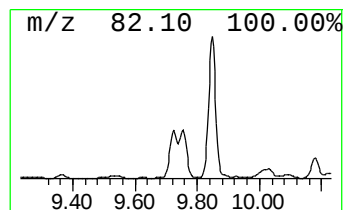
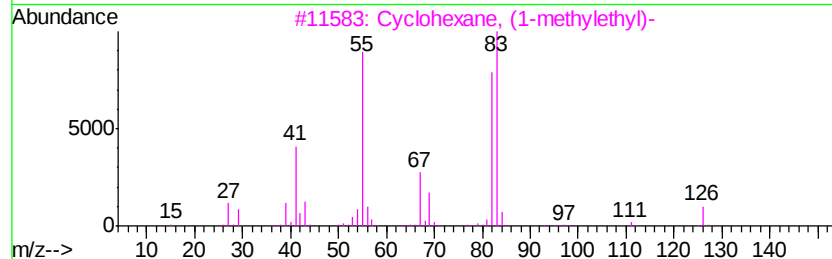
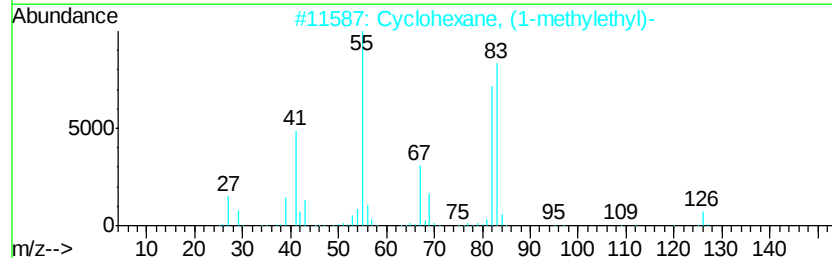
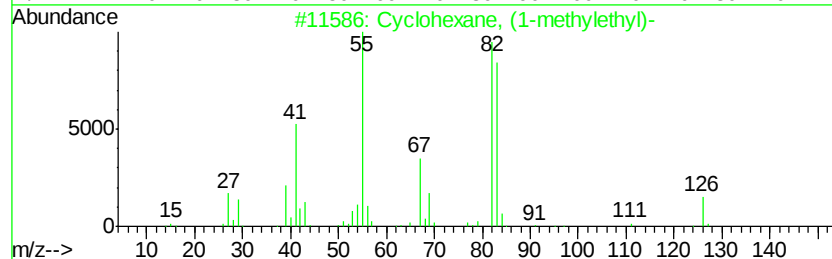
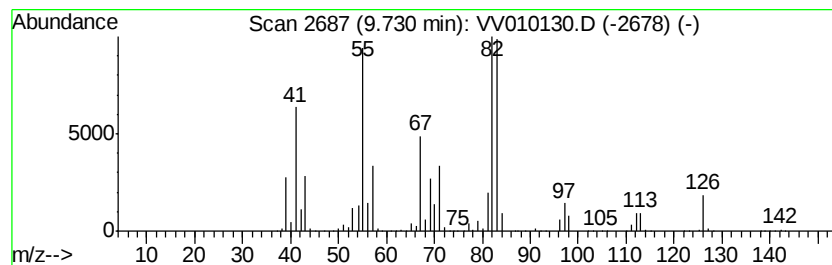
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 36 (DEL) Alkane: Cyclic9.73 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	109.04 ug/L	4967400	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
5		1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

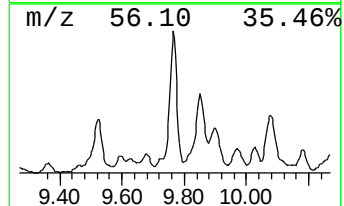
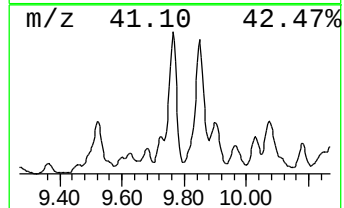
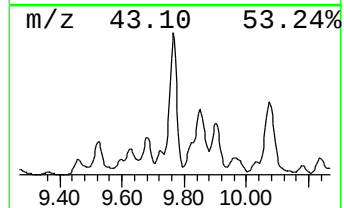
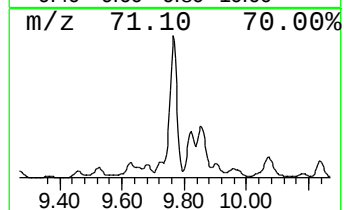
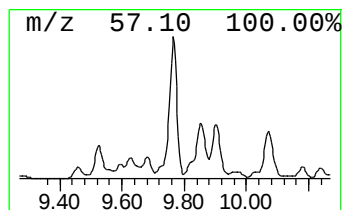
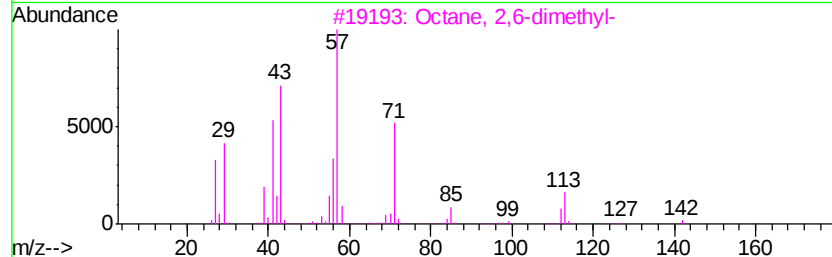
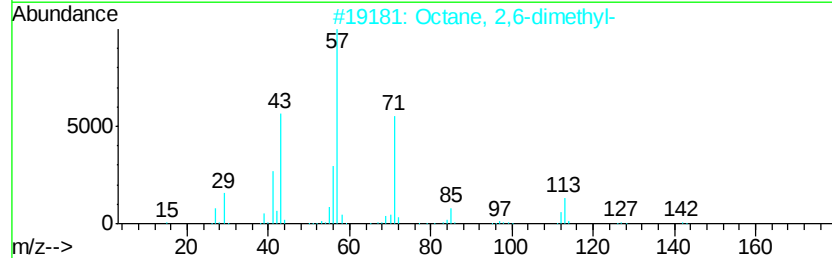
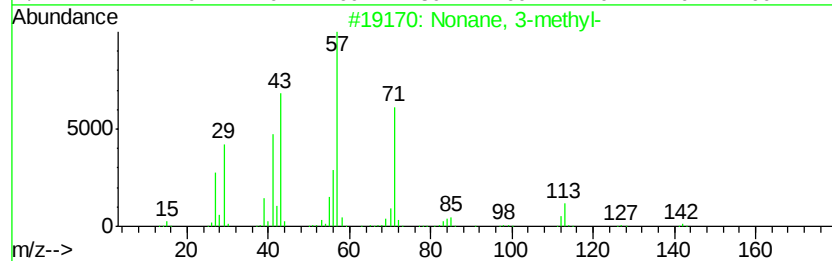
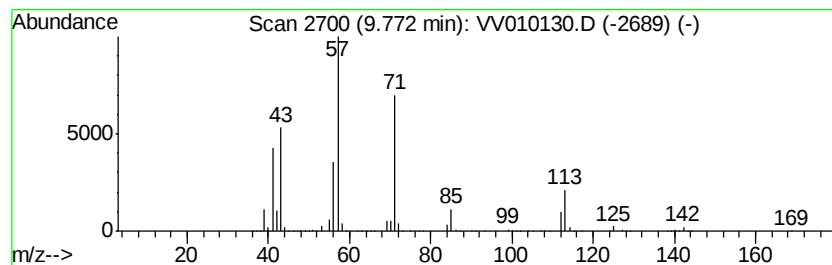
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	653.95 ug/L	29792400	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

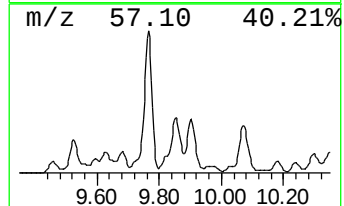
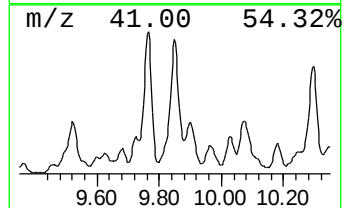
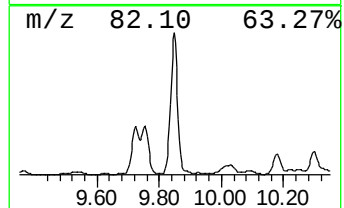
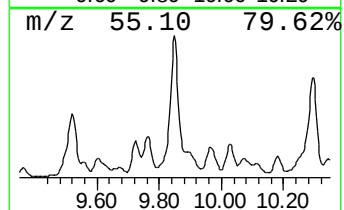
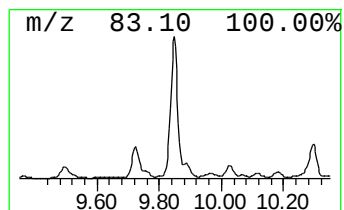
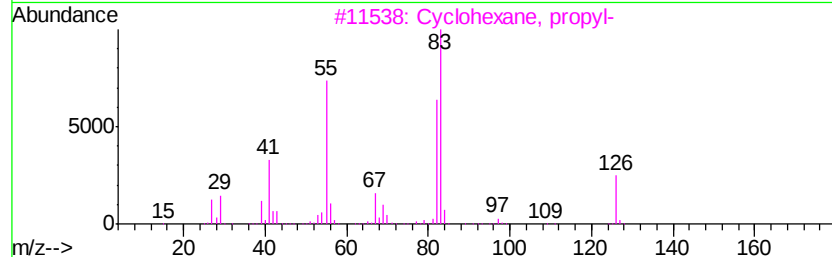
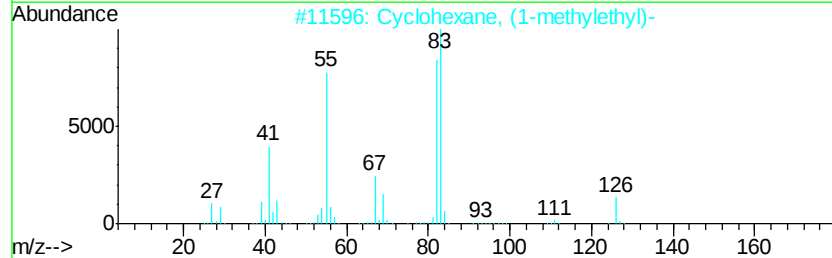
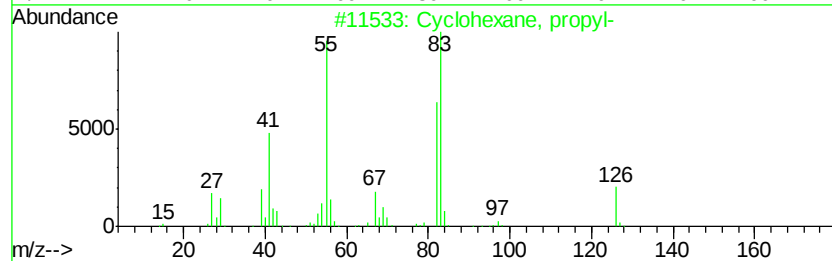
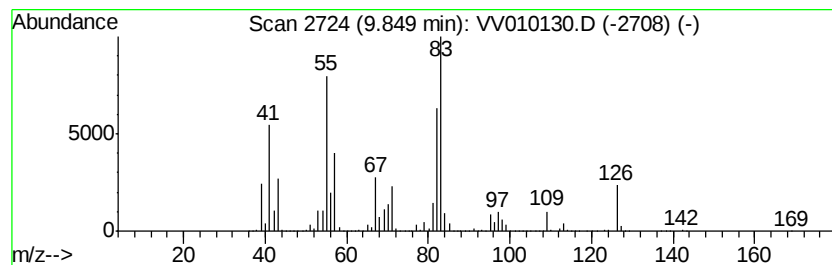
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 (DEL) Alkane: Cyclic9.85 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	868.18 ug/L	39552000	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	70
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	68
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

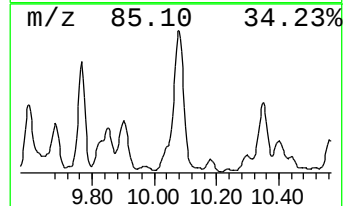
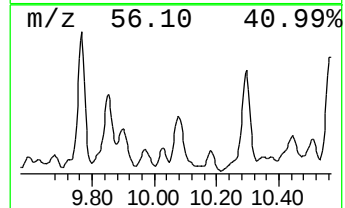
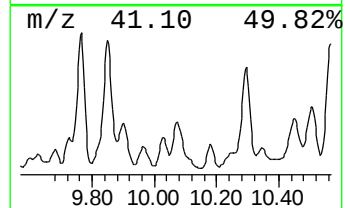
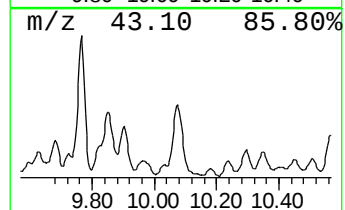
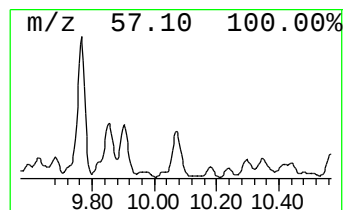
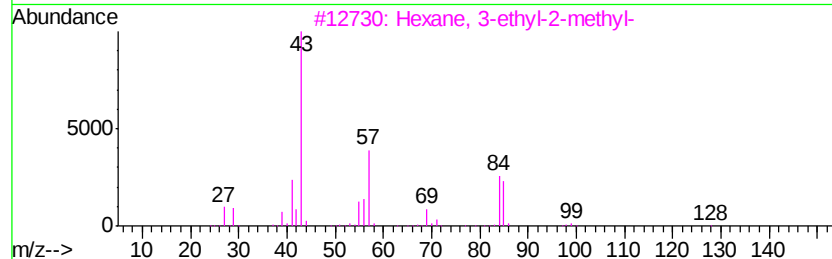
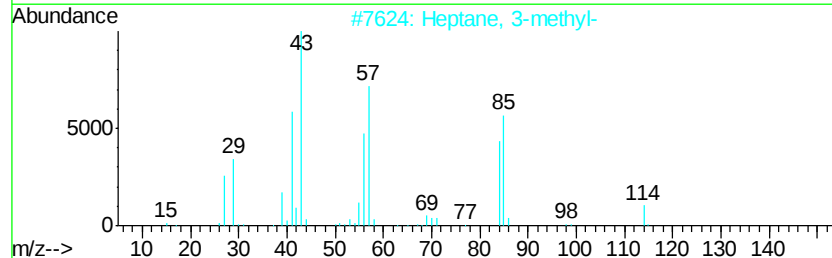
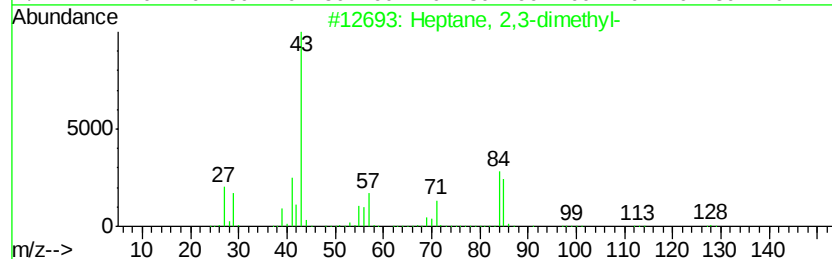
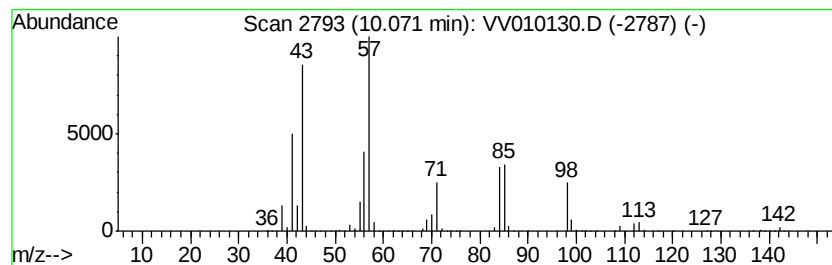
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	361.11 ug/L	16451400	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
2			Heptane, 3-methyl-	114	C8H18	000589-81-1	64
3			Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	53
4			Heptane, 4-ethyl-	128	C9H20	002216-32-2	47
5			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
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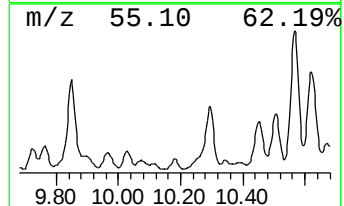
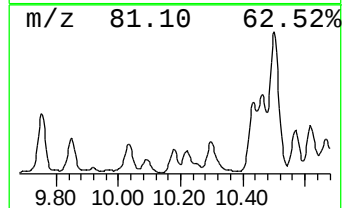
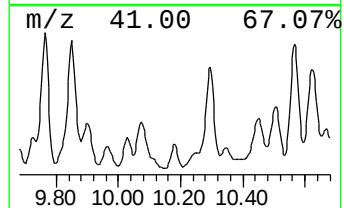
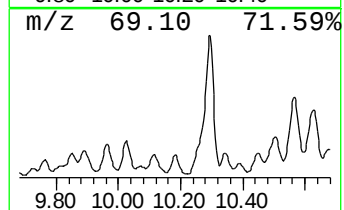
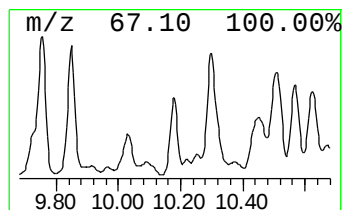
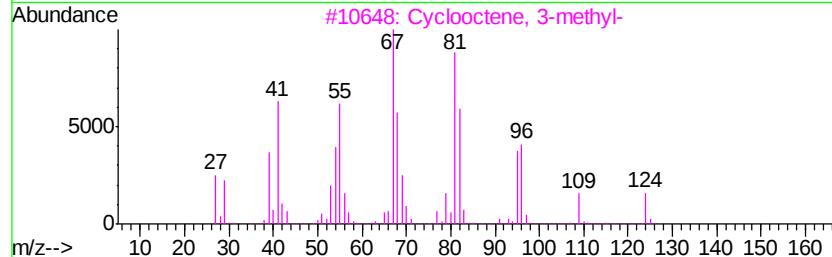
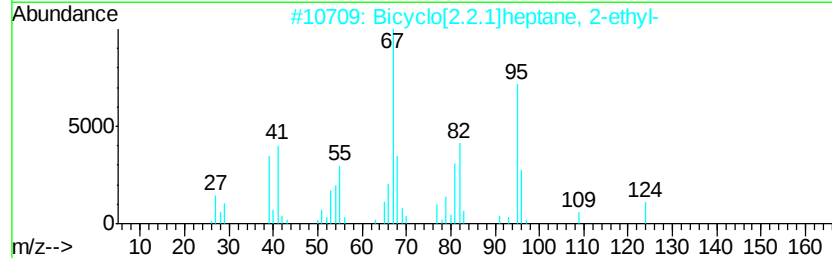
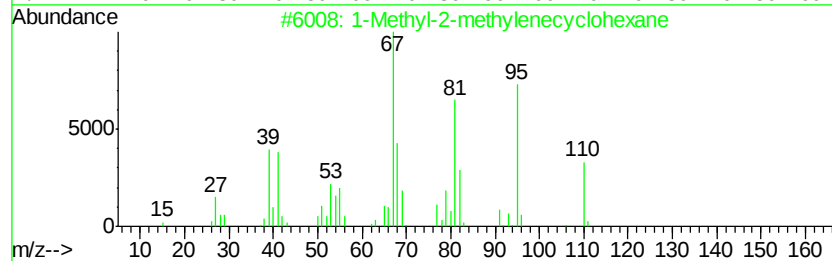
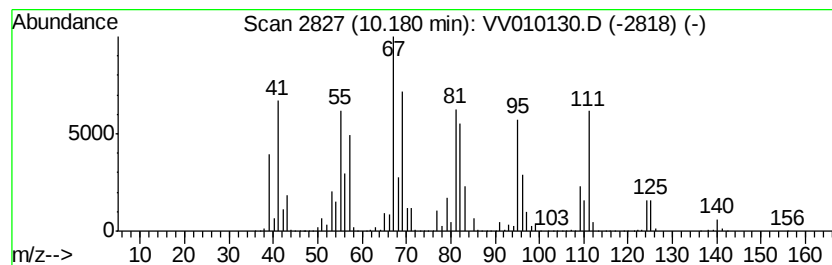
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 1-Methyl-2-methylenecyclohe... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	46.10 ug/L	7872860	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	55
2		Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	53
3		Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	52
4		3-Octyne, 2-methyl-	124	C9H16	055402-15-8	49
5		Ethylidenecycloheptane	124	C9H16	010494-87-8	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

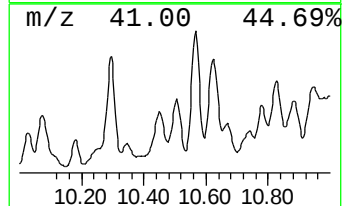
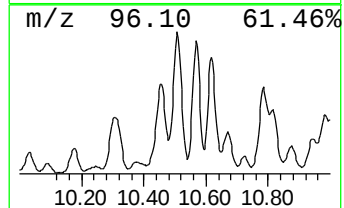
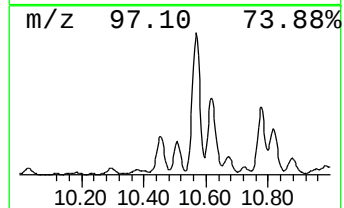
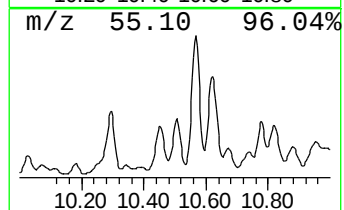
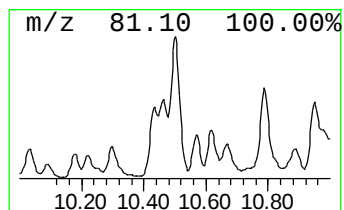
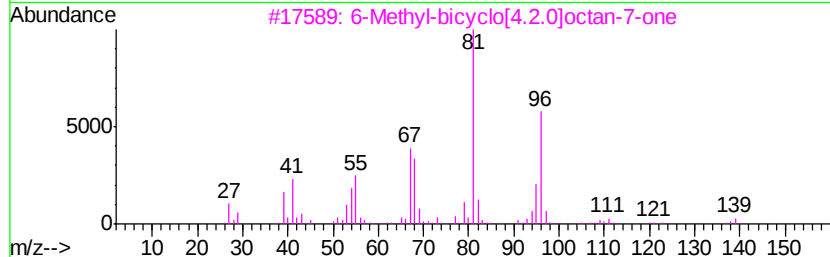
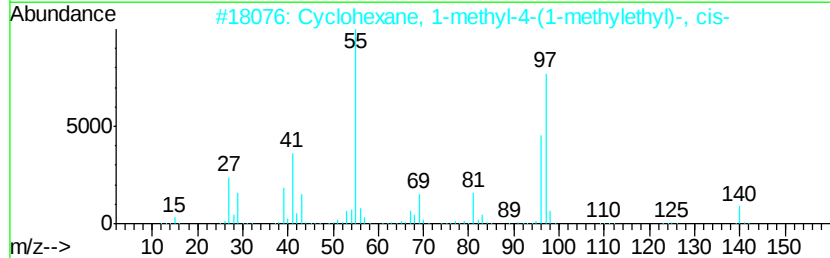
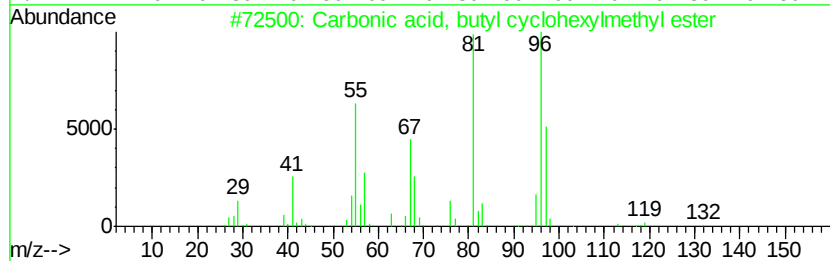
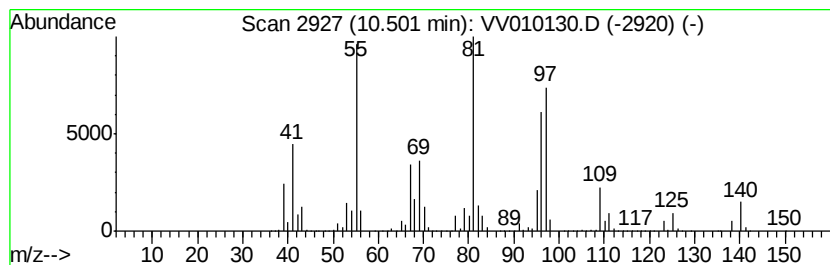
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 42 unknown-02 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	112.19 ug/L	19161400	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Carbonic acid, butyl cyclohexylm...	214	C12H22O3	1000357-84-5	47
2		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
3		6-Methyl-bicyclo[4.2.0]octan-7-one	138	C9H14O	1000193-87-2	43
4		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
5		Aziridine, 1-(2-methyl-1-propenyl)-	97	C6H11N	080839-93-6	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

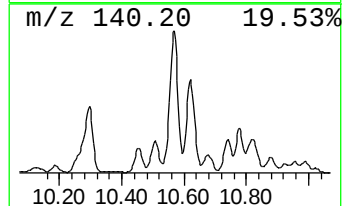
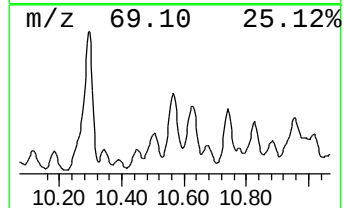
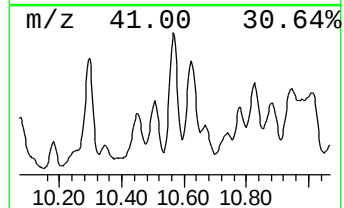
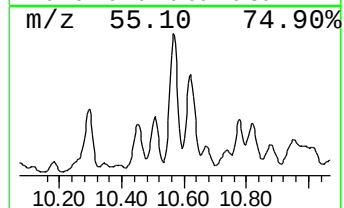
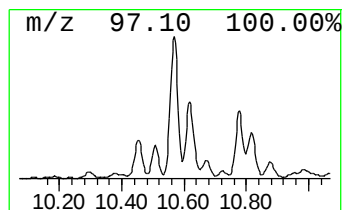
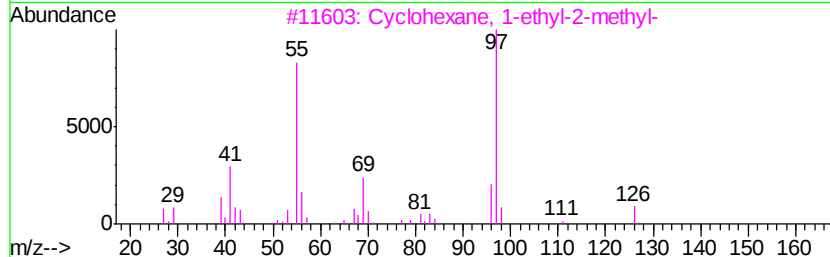
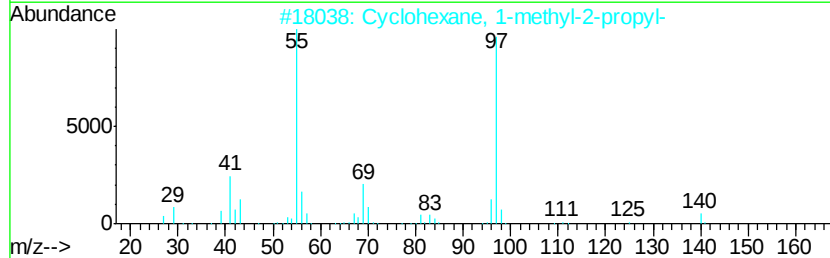
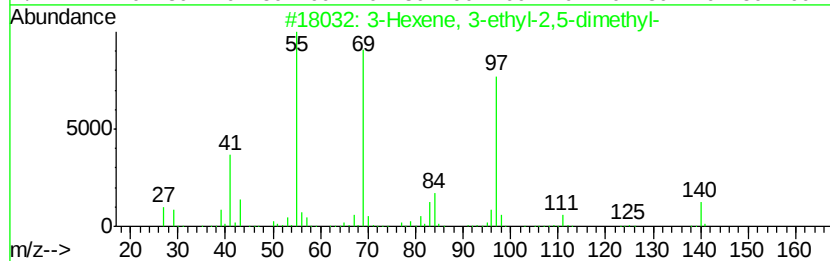
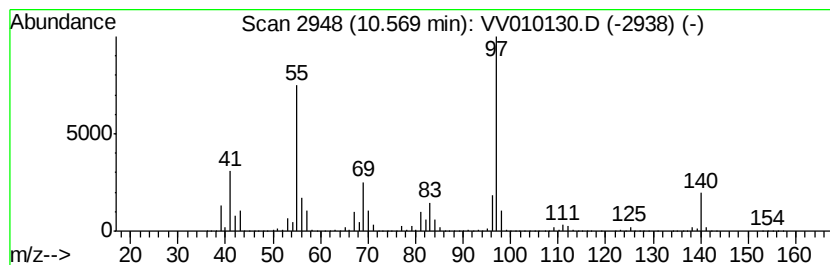
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 43 (DEL) Alkane: Cyclic10.57 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	218.78 ug/L	37366900	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	72
2		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
3		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
4		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

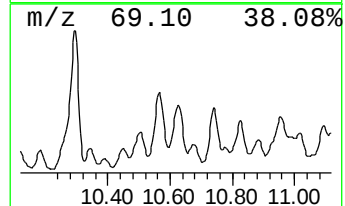
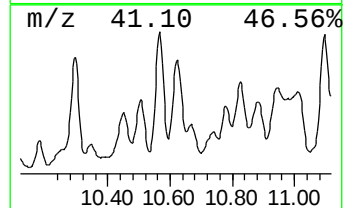
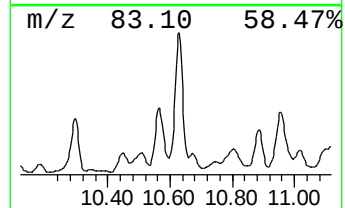
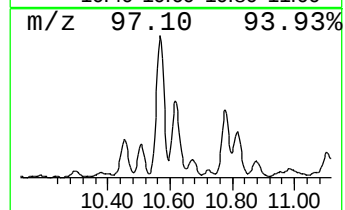
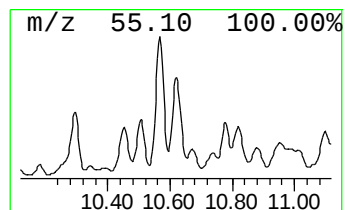
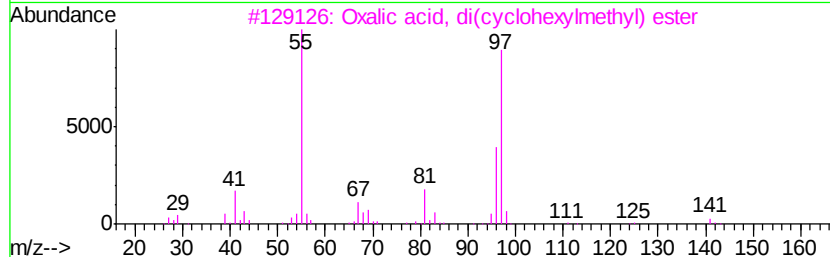
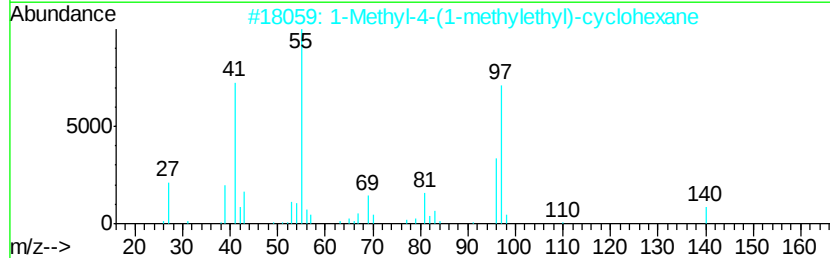
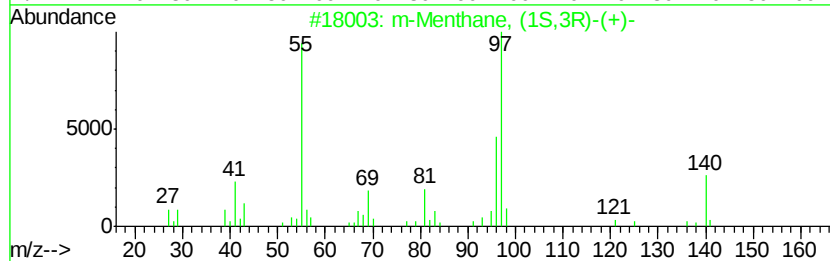
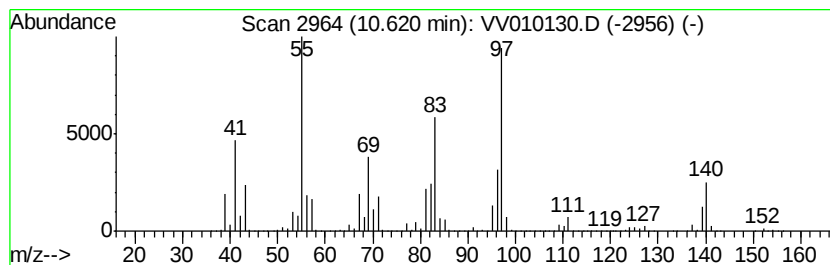
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 44 (DEL) Alkane: Cyclic10.62 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	153.22 ug/L	26169600	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	52
2		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	47
3		Oxalic acid, di(cyclohexylmethvl...	282	C16H26O4	1000309-68-5	47
4		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	43
5		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
 Data File : VV010130.D
 Acq On : 05 Apr 2019 14:28
 Operator : SY/MD
 Sample : K2148-11
 Misc : 5.31G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
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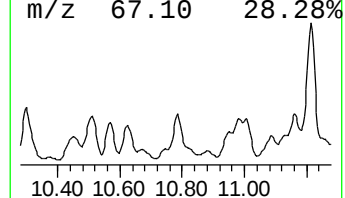
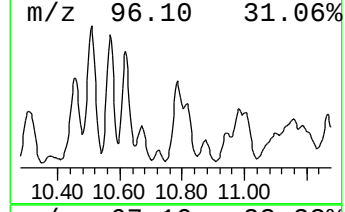
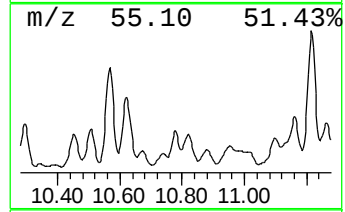
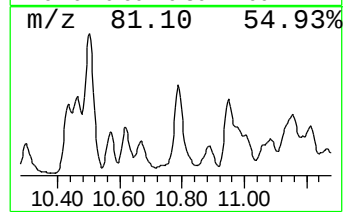
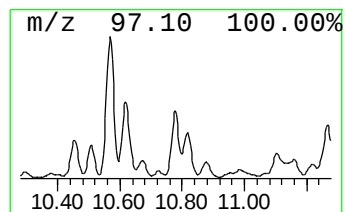
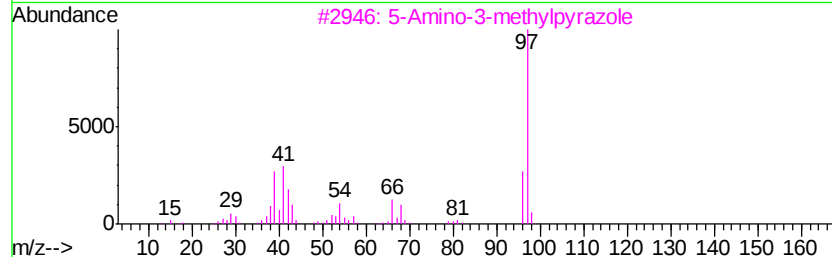
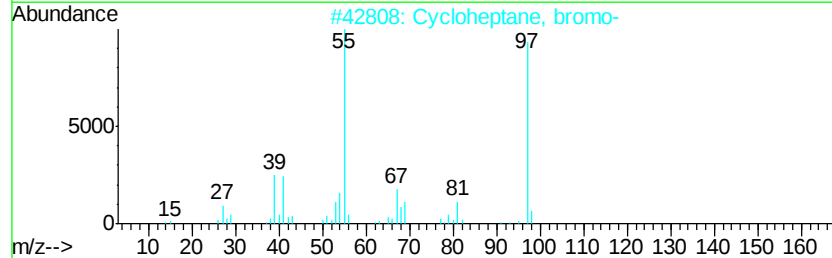
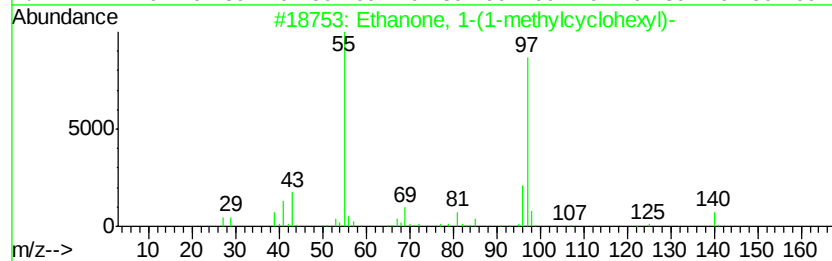
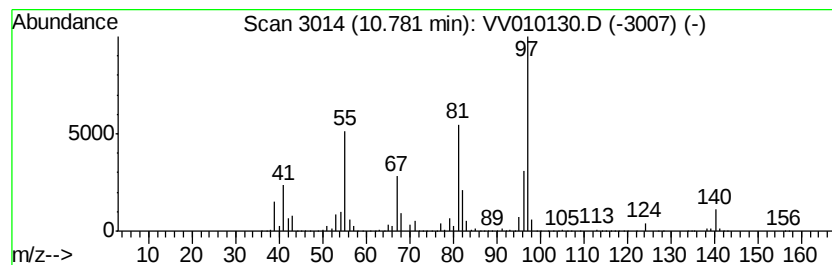
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 Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 45 Ethanone, 1-(1-methylcyclohexyl)- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	63.48 ug/L	10842500	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	50
2		Cycloheptane, bromo-	176	C7H13Br	002404-35-5	47
3		5-Amino-3-methylpyrazole	97	C4H7N3	031230-17-8	47
4		Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	006069-98-3	43
5		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

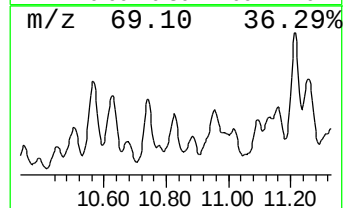
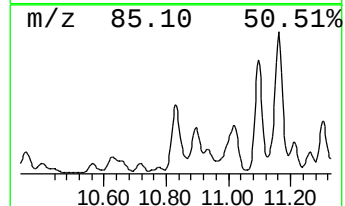
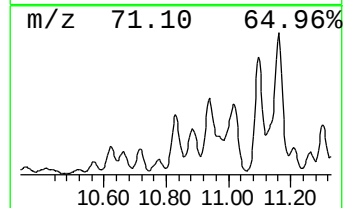
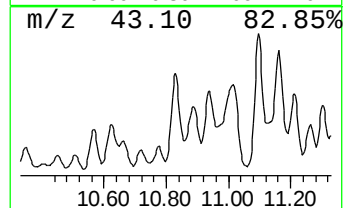
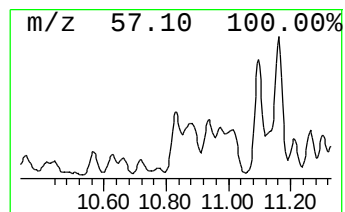
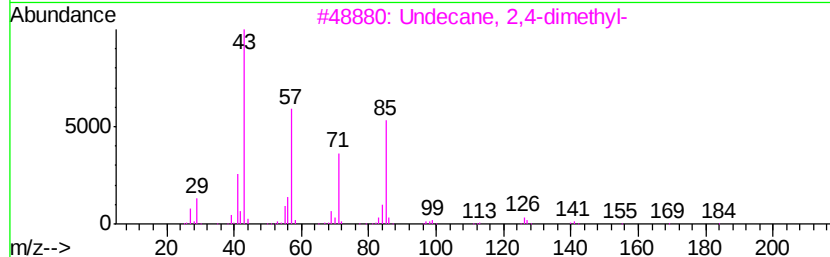
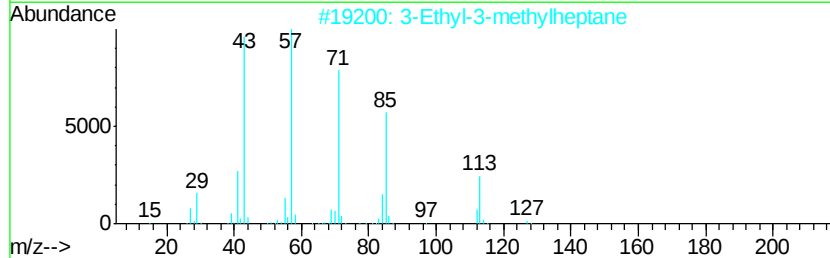
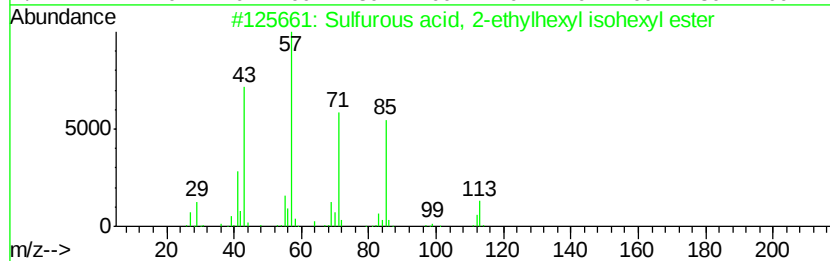
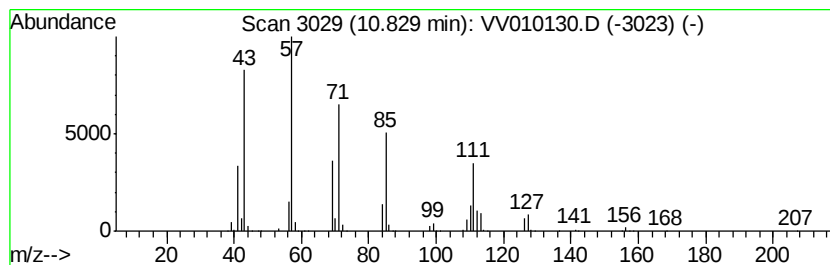
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 46 Sulfurous acid, 2-ethylhexy... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	67.46 ug/L	11521100	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	53
2		3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	53
3		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	52
4		Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	50
5		3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

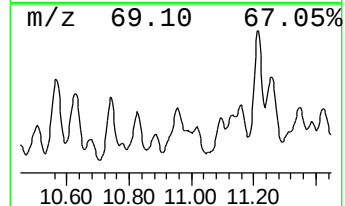
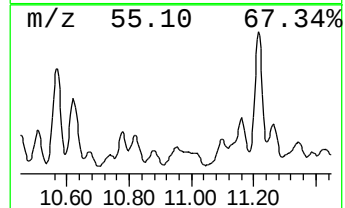
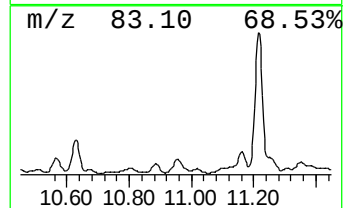
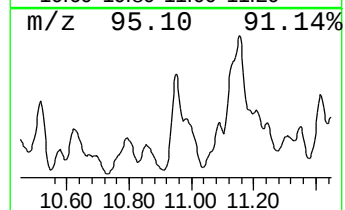
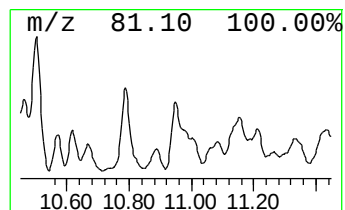
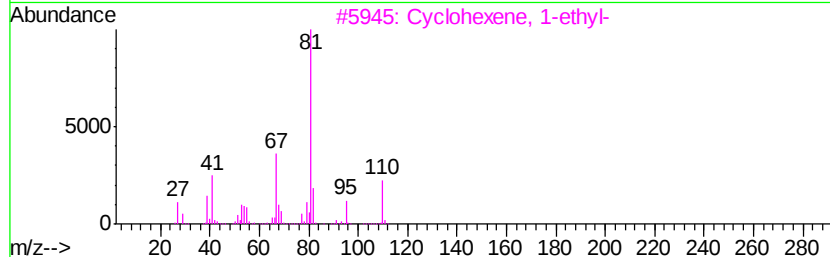
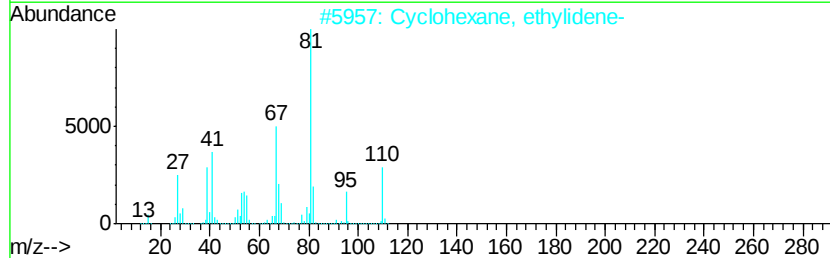
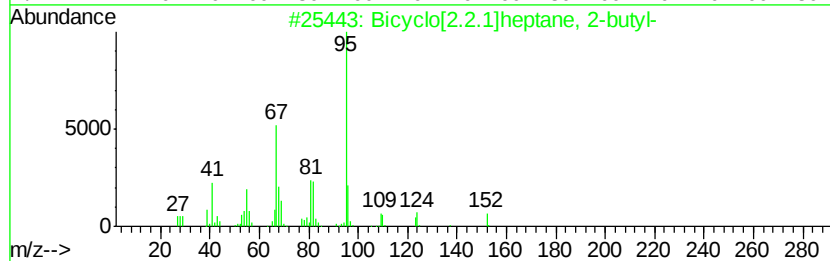
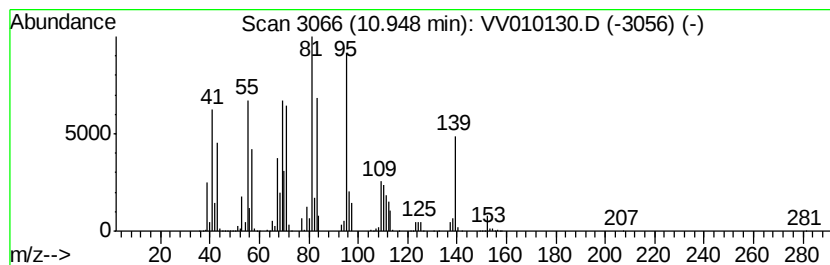
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 47 unknown-03 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	127.08 ug/L	21705400	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	20
2		Cyclohexane, ethylidene-	110	C8H14	001003-64-1	20
3		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	20
4		Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	18
5		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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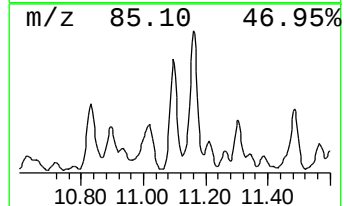
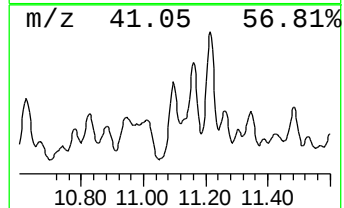
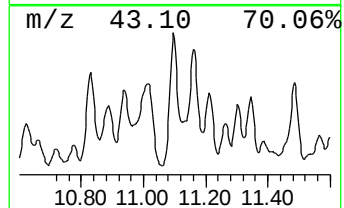
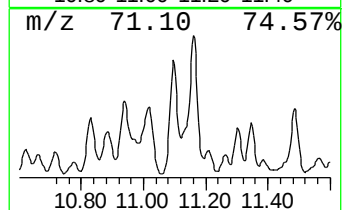
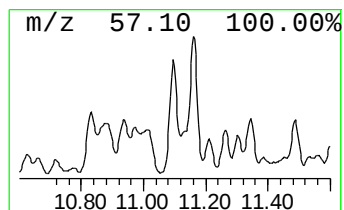
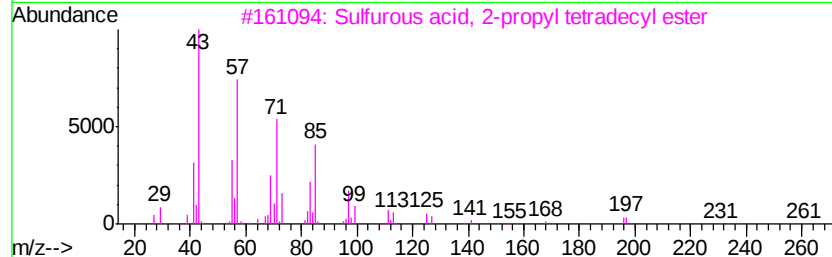
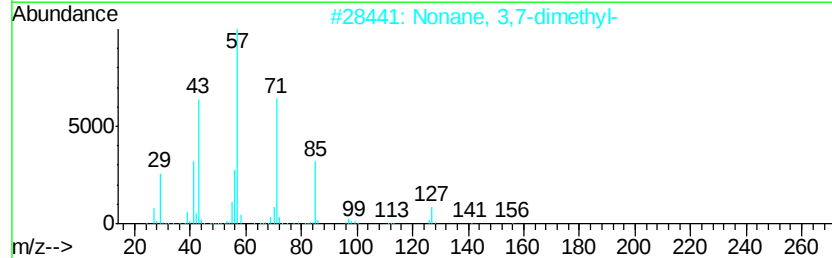
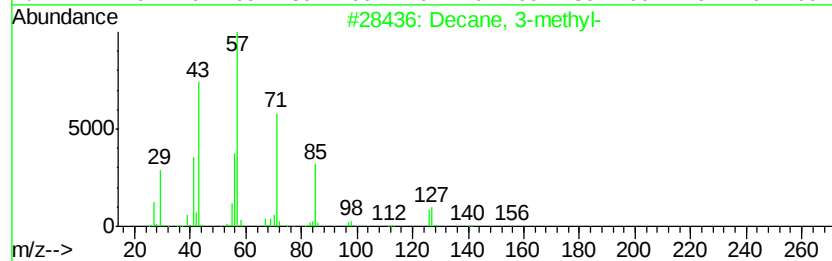
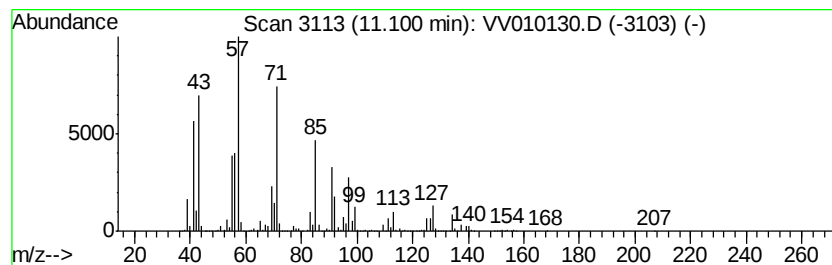
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	190.66 ug/L	32564400	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	76
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	76
3		Sulfurous acid, 2-propyl tetradecyl...	320	C17H36O3S	1000309-12-5	64
4		Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	59
5		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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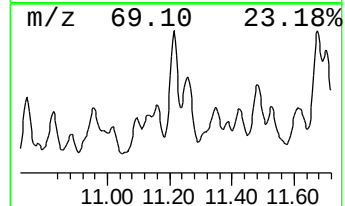
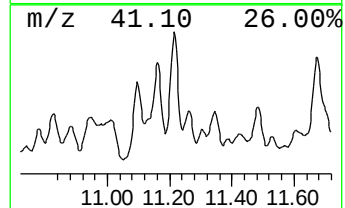
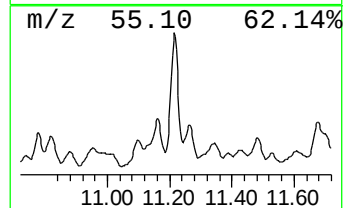
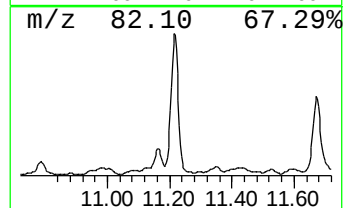
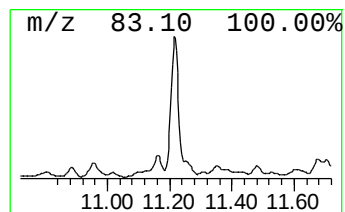
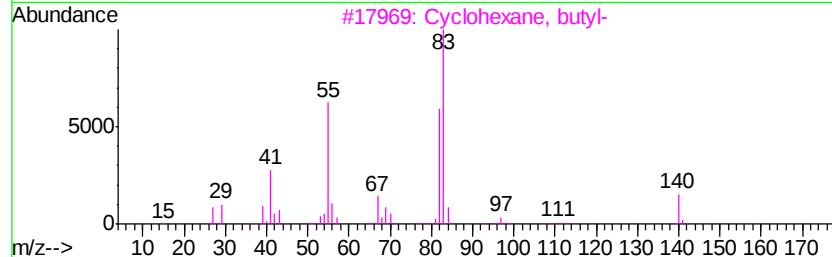
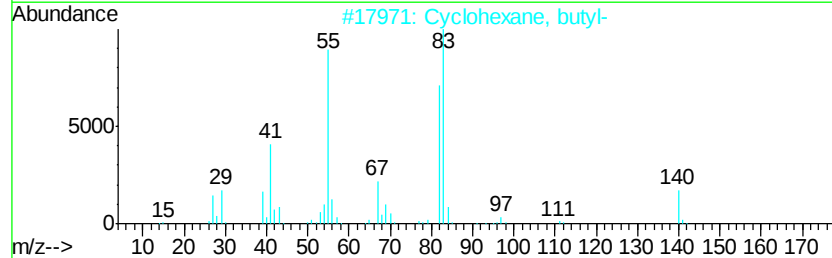
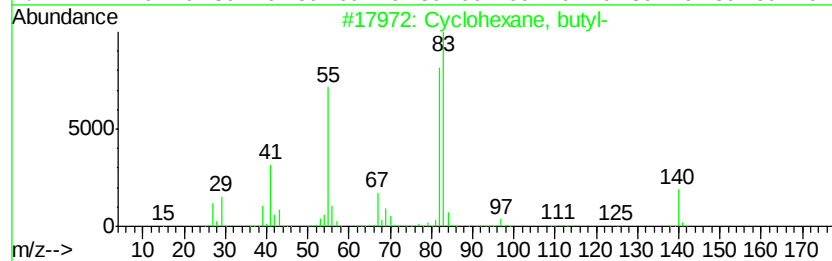
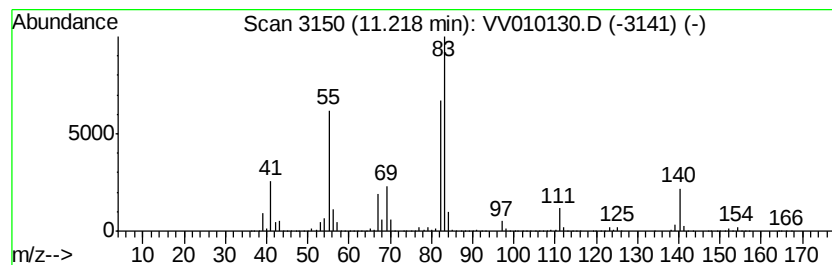
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 49 (DEL) Alkane: Cyclic11.22 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	271.78 ug/L	46418900	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	91
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	90
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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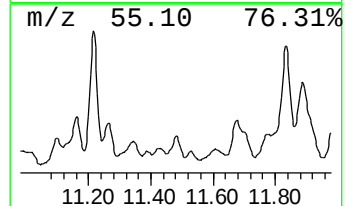
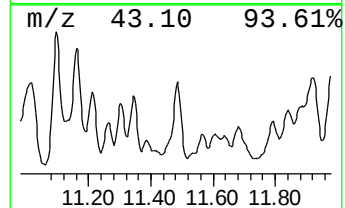
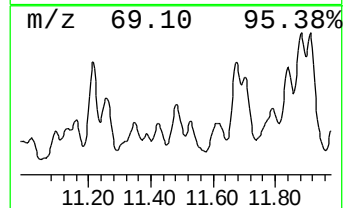
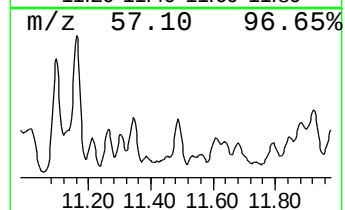
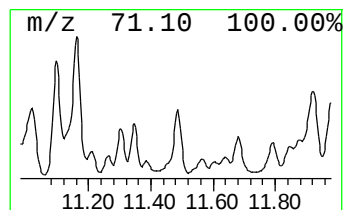
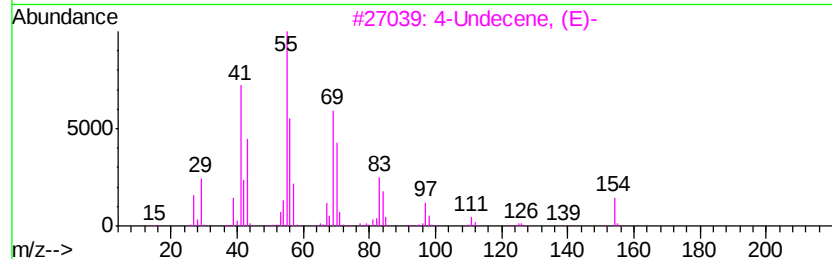
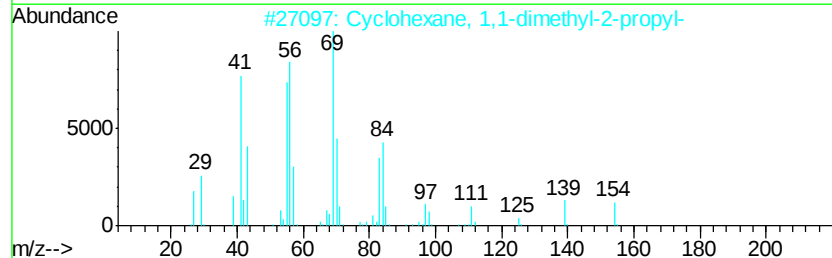
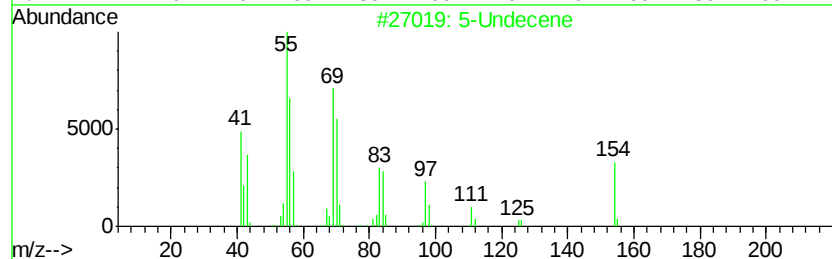
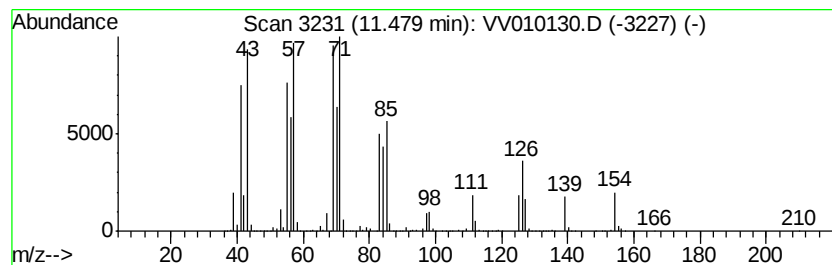
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 50 (DEL) Alkane: Cyclic11.48 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	74.86 ug/L	12785500	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Undecene	154	C11H22	004941-53-1	58
2		Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	50
3		4-Undecene, (E)-	154	C11H22	000693-62-9	49
4		Decane, 3-methyl-	156	C11H24	013151-34-3	46
5		1-Decene, 5-methyl-	154	C11H22	054244-79-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

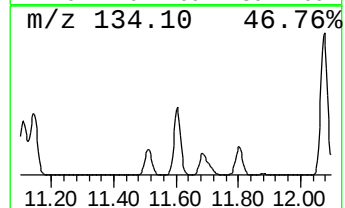
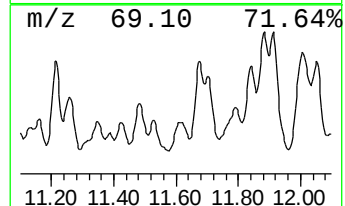
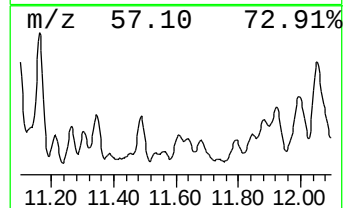
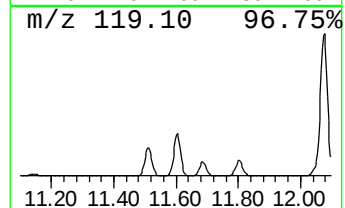
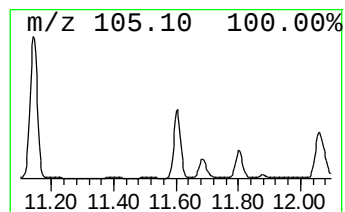
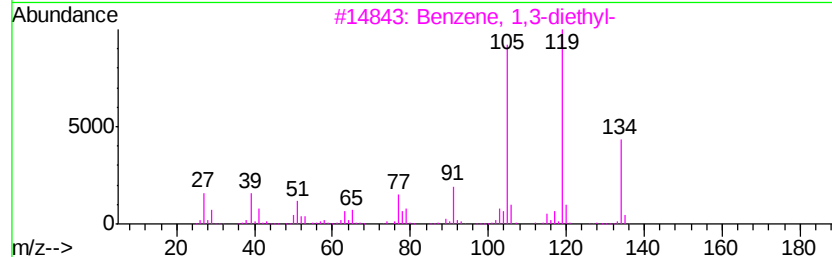
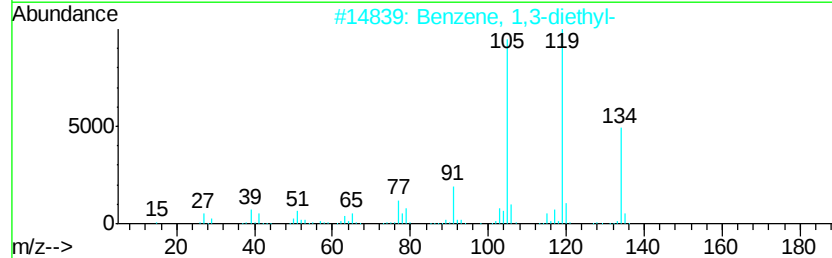
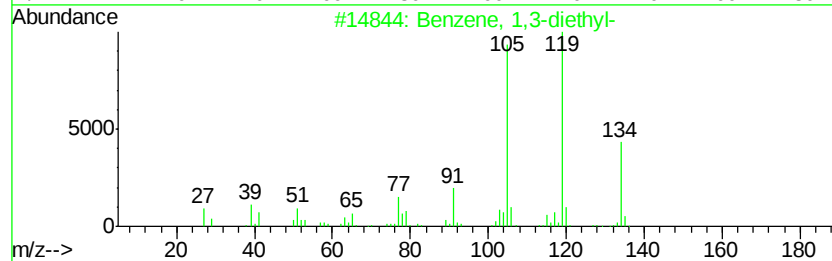
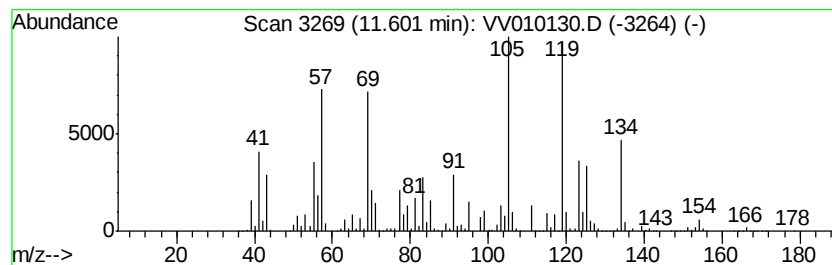
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 51 Benzene, 1,3-diethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	71.54 ug/L	12218000	1,4-Dichlorobenzene-d4	11.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	83
2			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	56
4			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	55
5			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

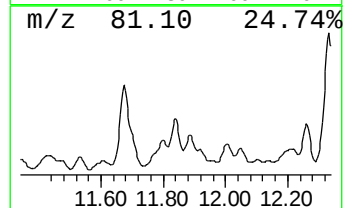
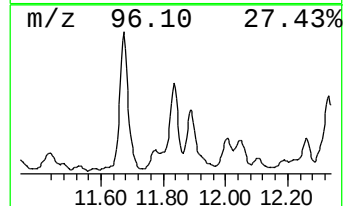
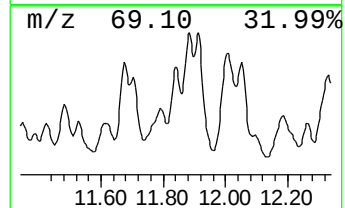
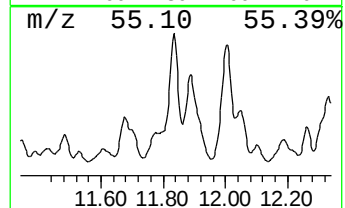
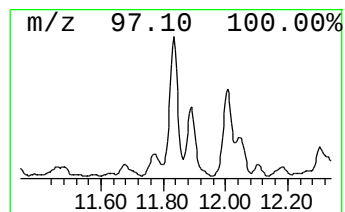
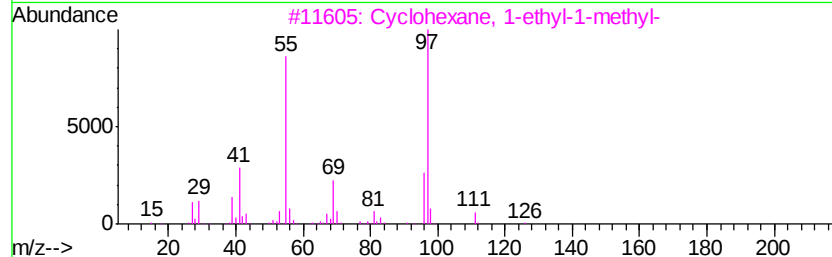
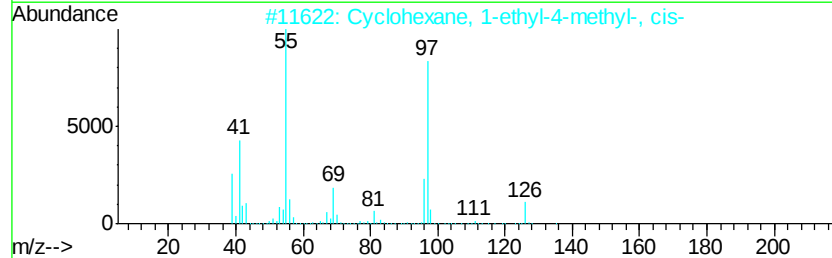
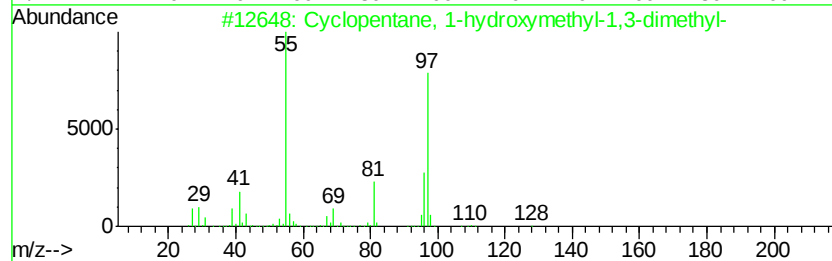
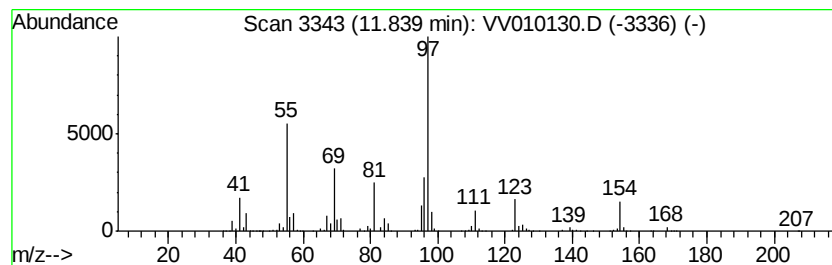
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 52 Cyclopentane, 1-hydroxymeth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	140.60 ug/L	24013900	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	64
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
3		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	58
4		Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	53
5		Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

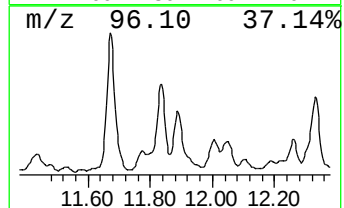
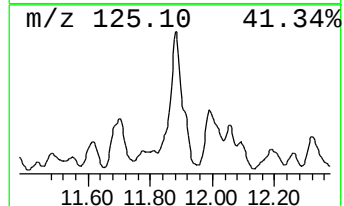
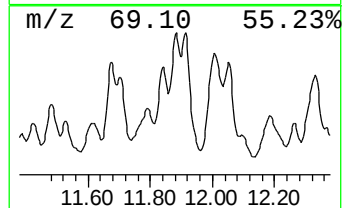
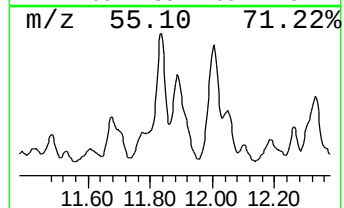
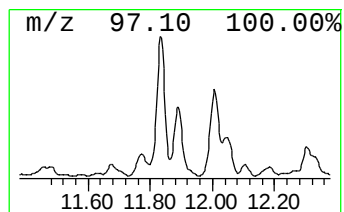
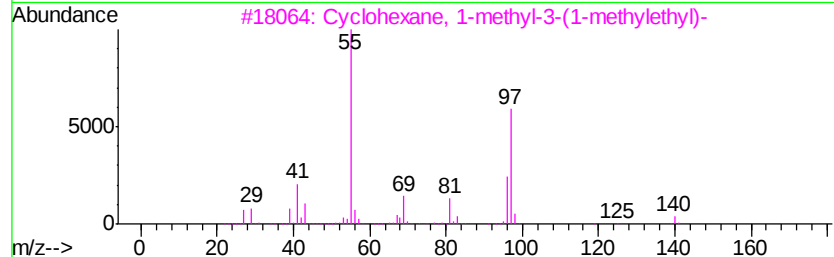
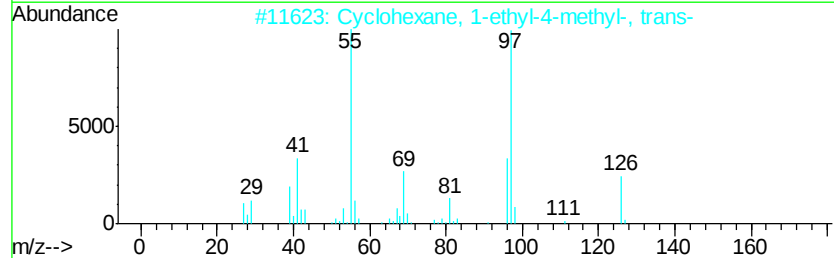
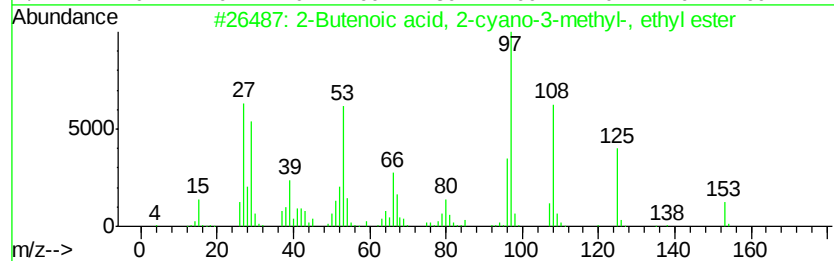
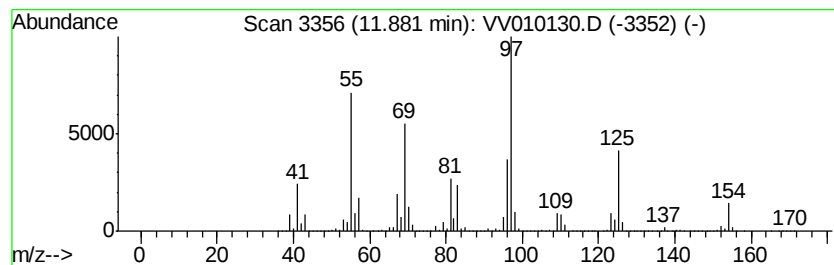
Instrument :
MSVOA_V
ClientSampleId :
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 53 2-Butenoic acid, 2-cyano-3-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.88	95.49 ug/L	16309200	1,4-Dichlorobenzene-d4	11.31		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Butenoic acid, 2-cyano-3-methyl...	153	C8H11NO2	000759-58-0	64
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58
3		Cyclohexane, 1-methyl-3-(1-methyl...	140	C10H20	016580-24-8	52
4		Cyclohexane, 1-isopropyl-1-methyl-	140	C10H20	016580-26-0	52
5		Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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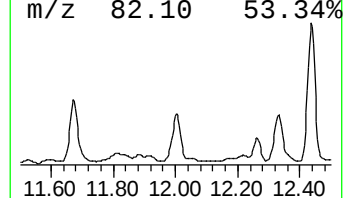
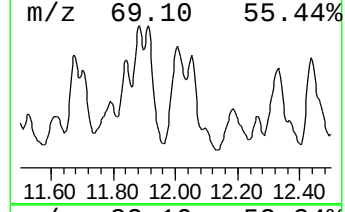
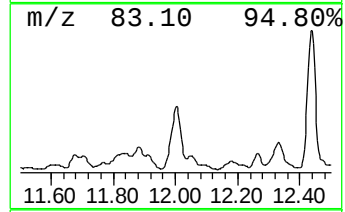
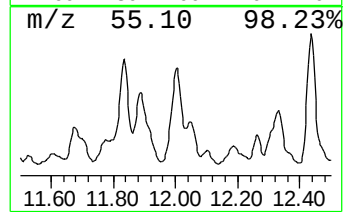
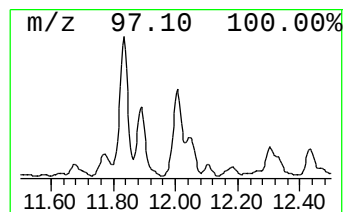
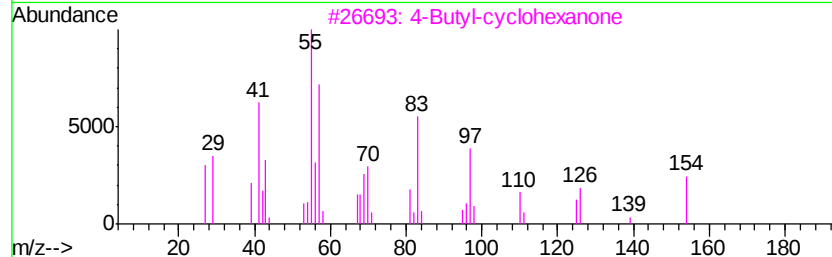
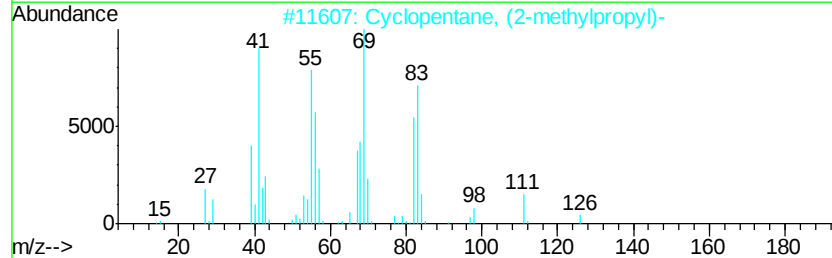
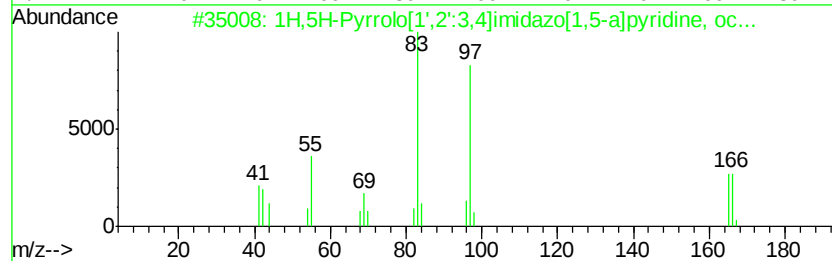
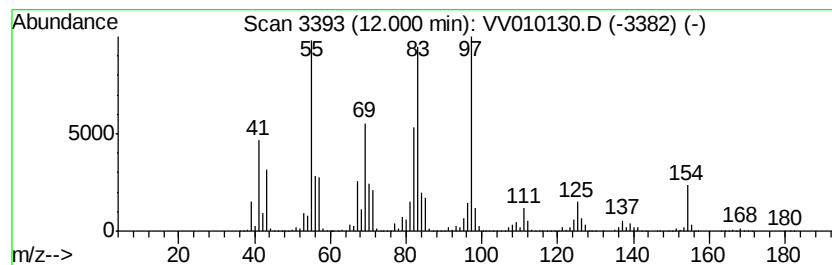
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 54 1H,5H-Pyrrolo[1',2':3,4]imi... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	409.61 ug/L	69959300	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H,5H-Pyrrolo[1',2':3,4]imidazo[...]	166	C10H18N2	054966-11-9	58
2		Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	43
3		4-Butyl-cyclohexanone	154	C10H18O	061203-82-5	42
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	41
5		3-Methyldec-3-ene	154	C11H22	036969-75-2	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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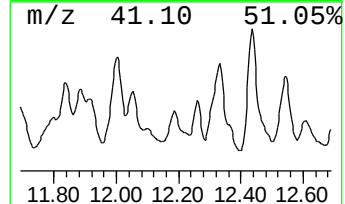
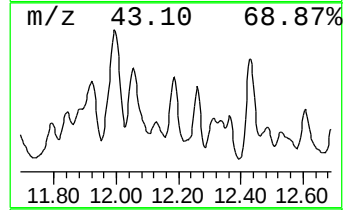
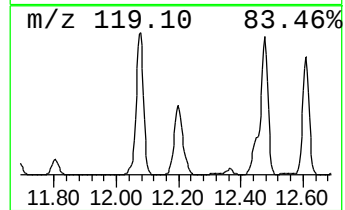
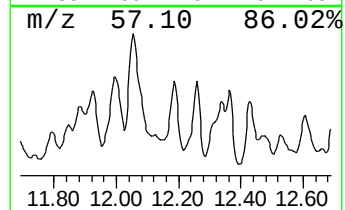
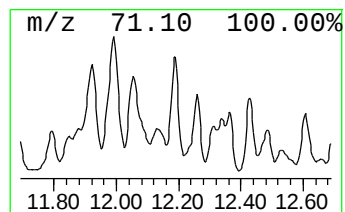
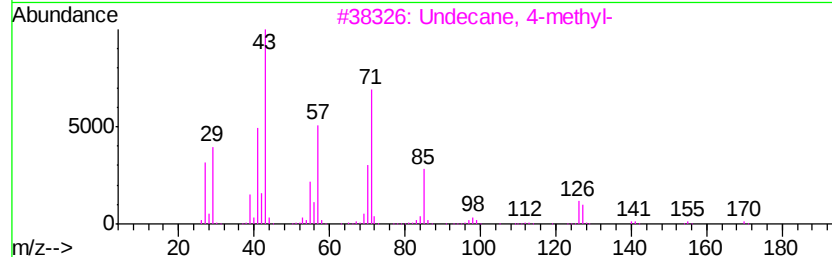
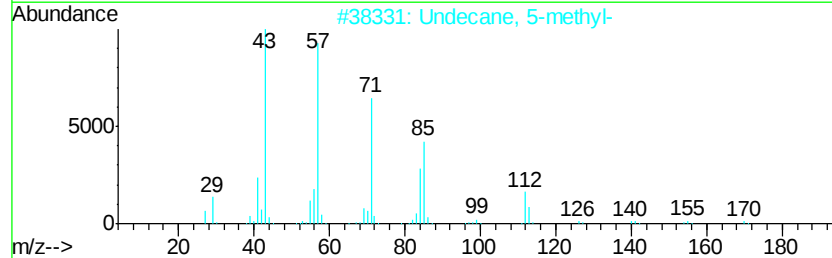
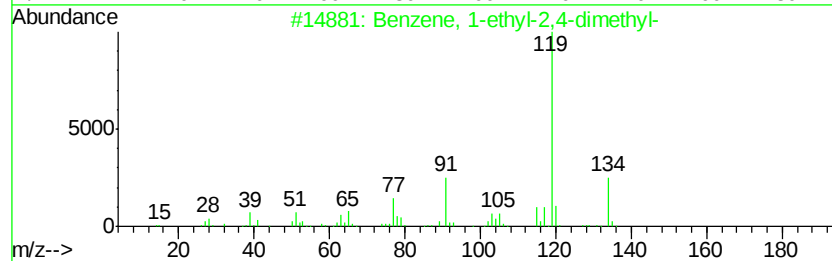
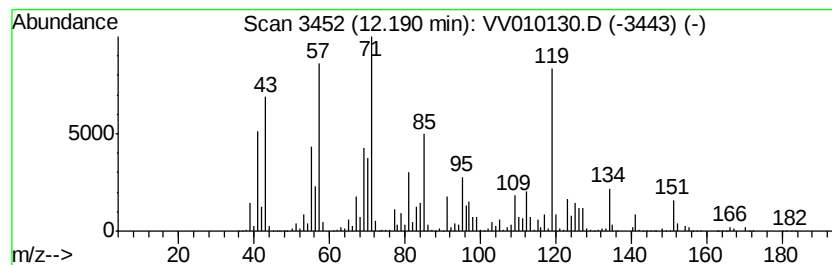
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 55 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	138.22 ug/L	23607700	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	56
2		Undecane, 5-methyl-	170	C12H26	001632-70-8	46
3		Undecane, 4-methyl-	170	C12H26	002980-69-0	45
4		p-Cymene	134	C10H14	000099-87-6	44
5		Undecane, 5-methyl-	170	C12H26	001632-70-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

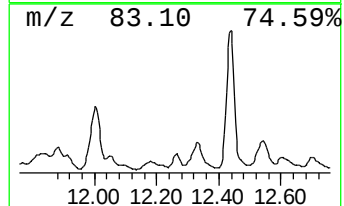
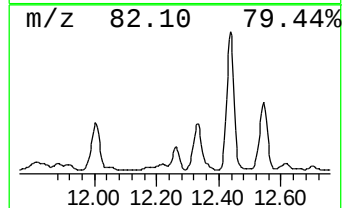
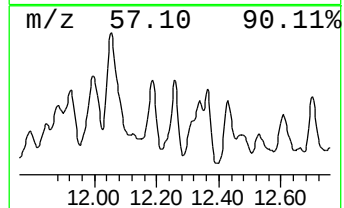
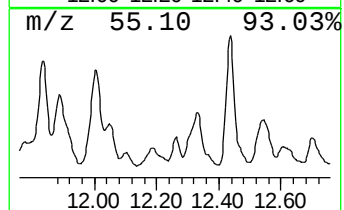
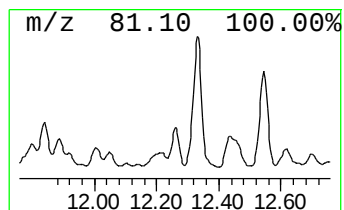
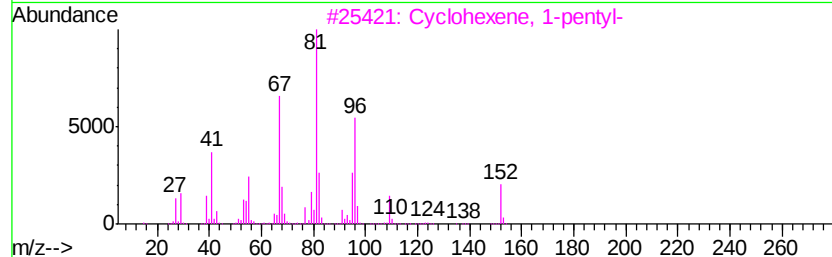
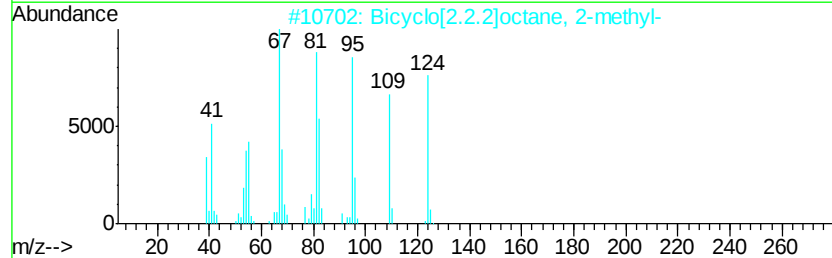
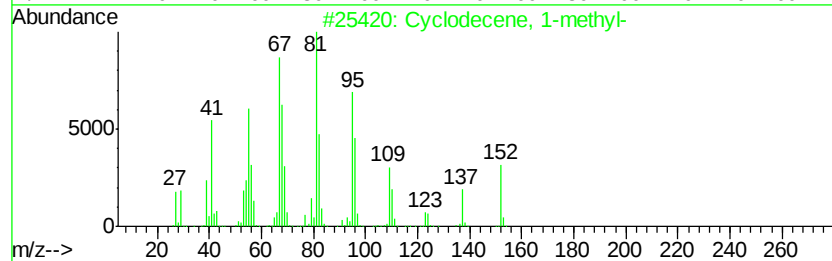
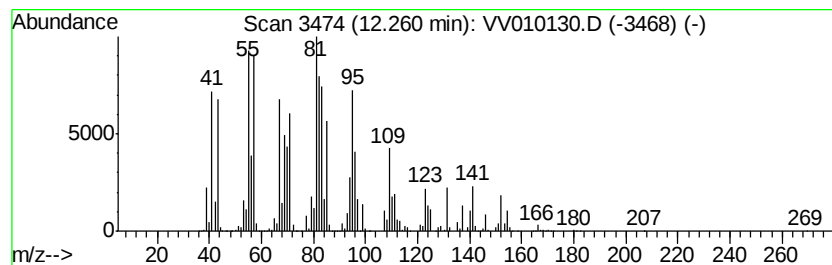
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 56 unknown-04 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	138.51 ug/L	23655900	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	46
2		Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	41
3		Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	38
4		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	38
5		Cyclohexanol, 2-(1-methylethyl)-	142	C9H18O	000096-07-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

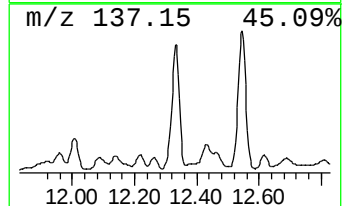
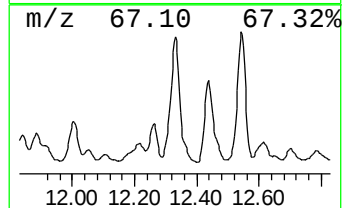
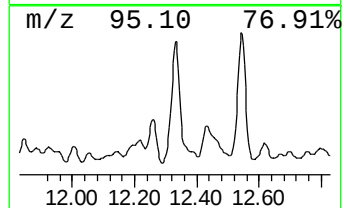
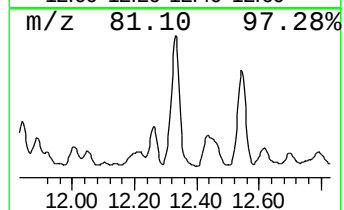
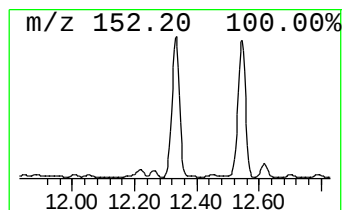
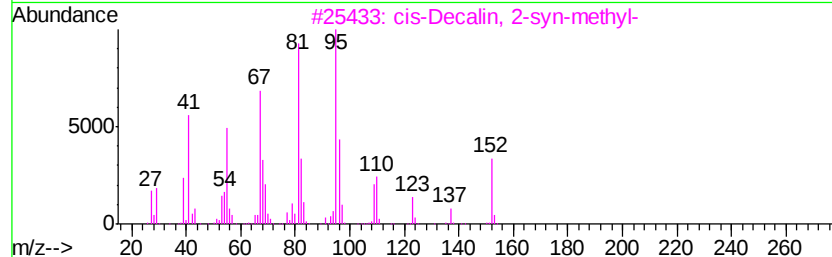
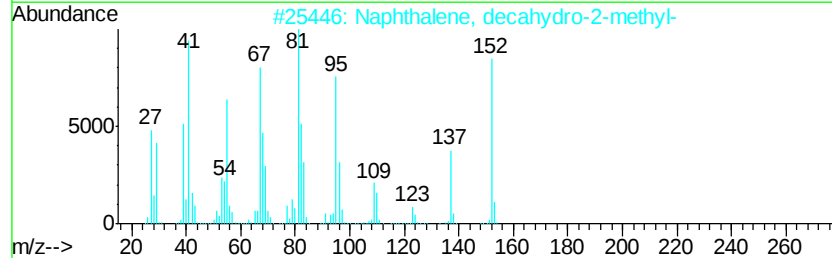
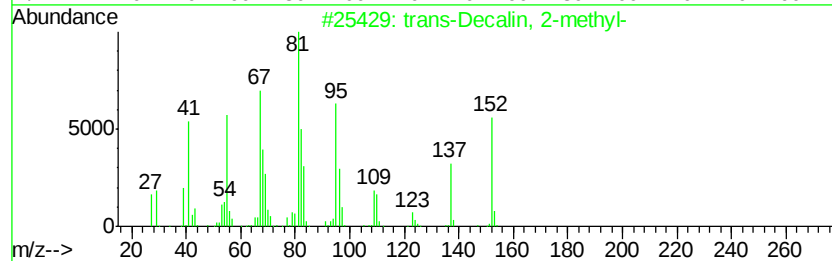
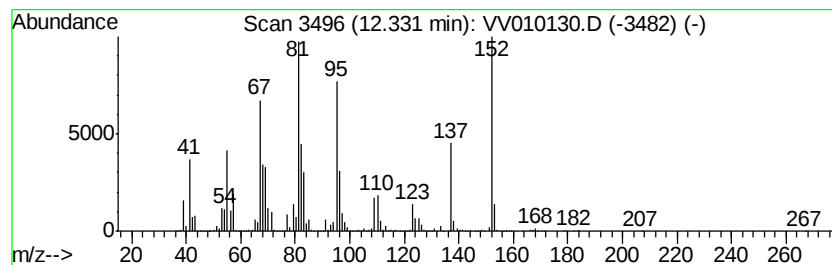
Instrument :
MSVOA_V
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 57 trans-Decalin, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.33	816.03 ug/L	139374000	1,4-Dichlorobenzene-d4	11.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	97
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	93
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	90
5	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

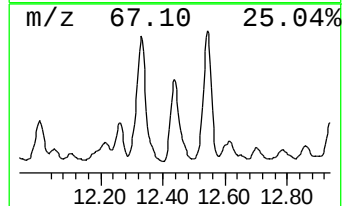
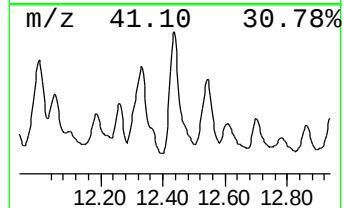
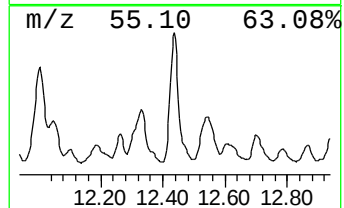
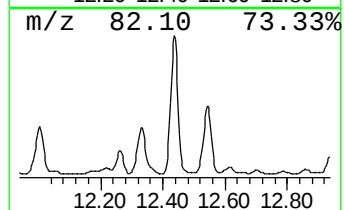
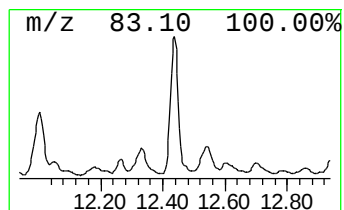
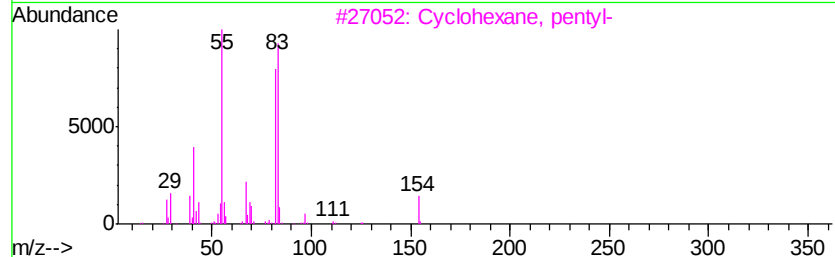
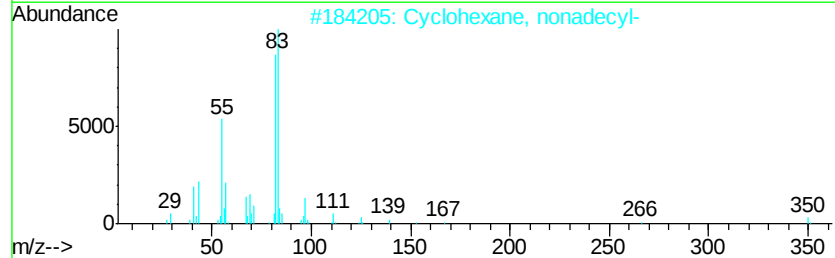
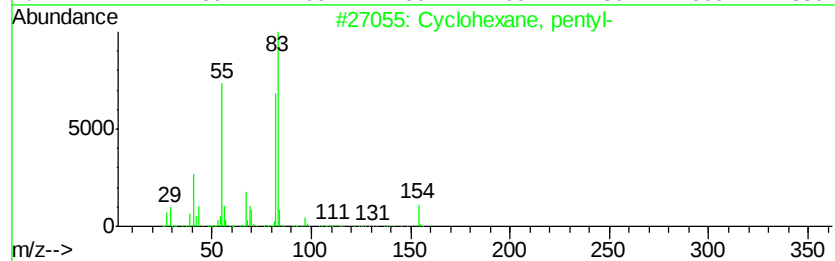
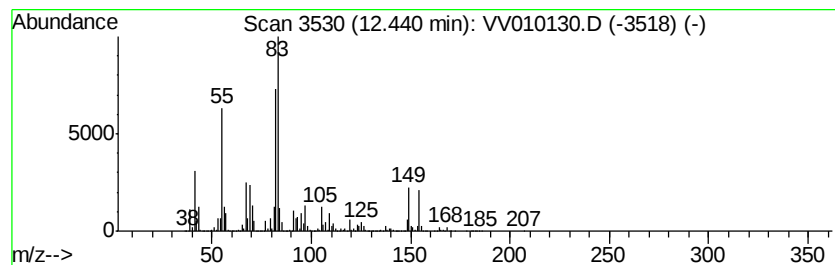
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 58 (DEL) Alkane: Cyclic12.44 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	830.05 ug/L	141768000	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
2		Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	64
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
4		Cyclohexane, hexyl-	168	C12H24	004292-75-5	59
5		n-Heptadecylcyclohexane	322	C23H46	019781-73-8	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

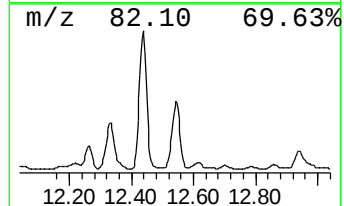
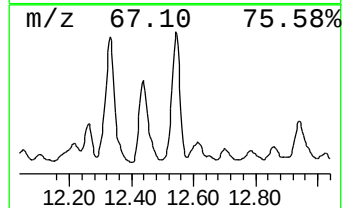
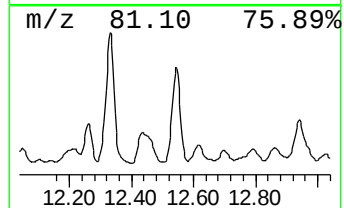
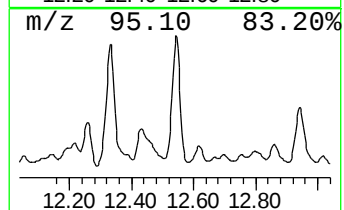
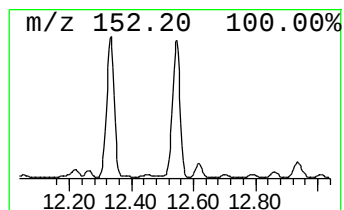
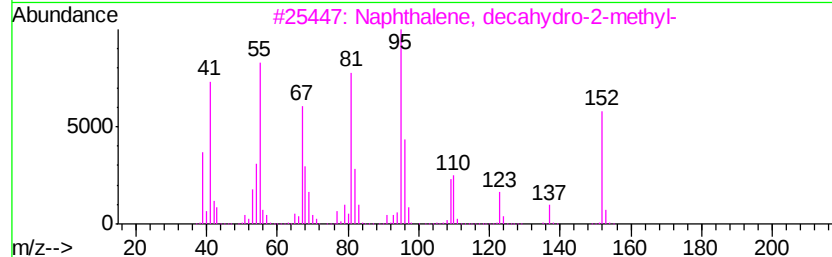
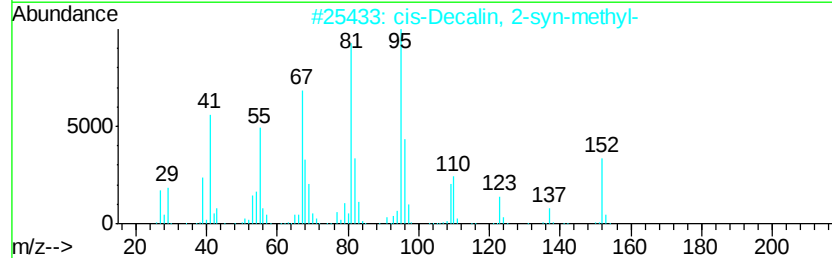
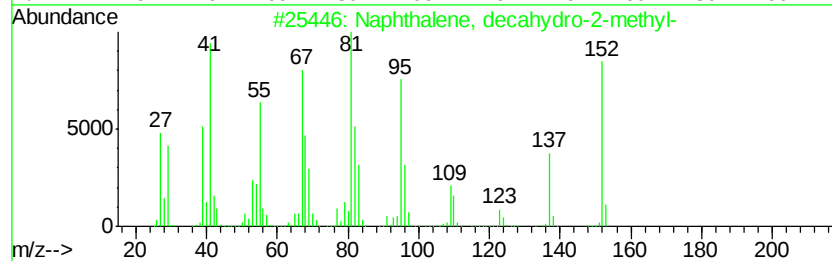
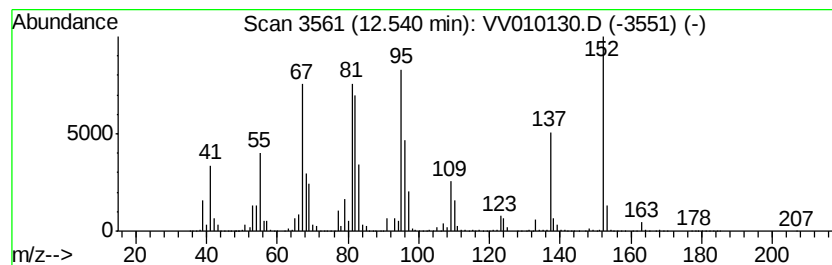
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 59 Naphthalene, decahydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	479.53 ug/L	81900400	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	83
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	74
4		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70
5		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BF5F8

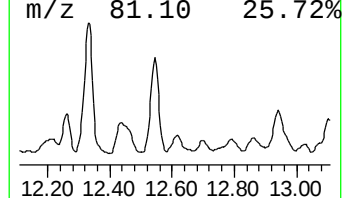
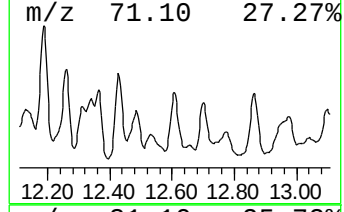
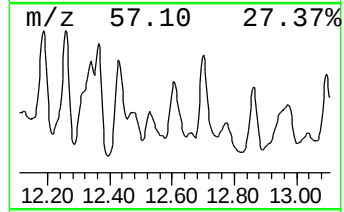
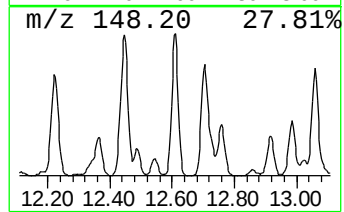
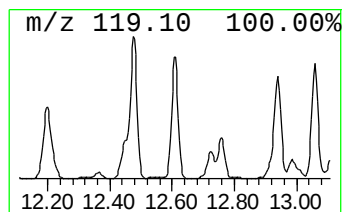
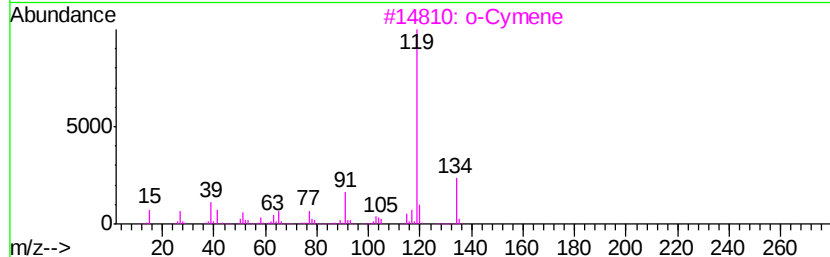
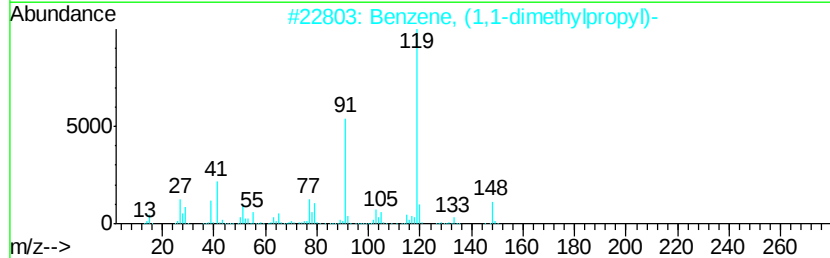
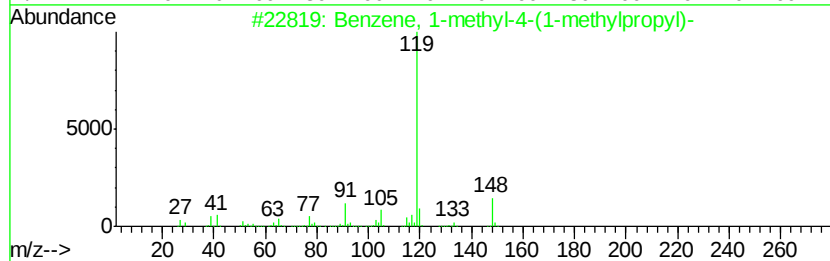
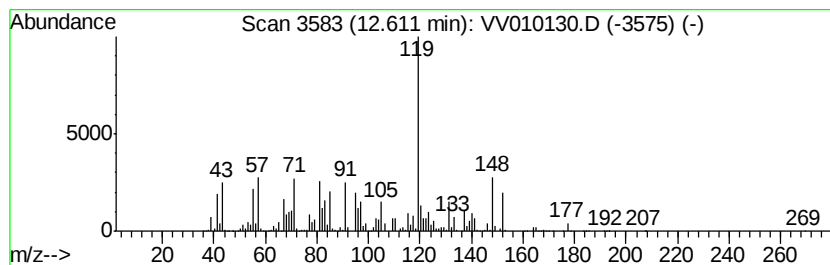
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 60 Benzene, 1-methyl-4-(1-meth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	228.76 ug/L	39071200	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	55
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	49
3		o-Cymene	134	C10H14	000527-84-4	46
4		p-Cymene	134	C10H14	000099-87-6	46
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

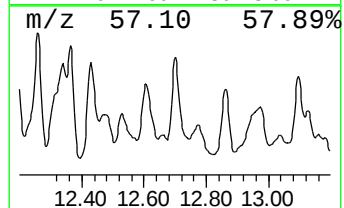
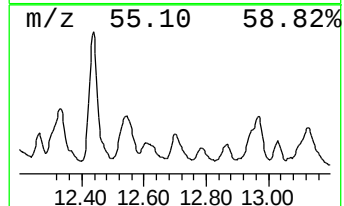
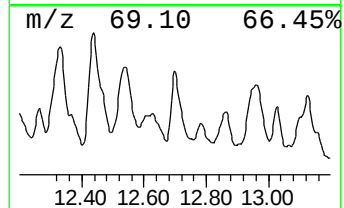
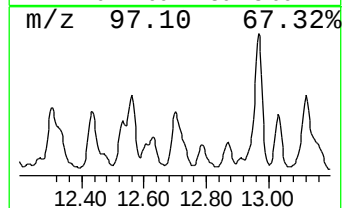
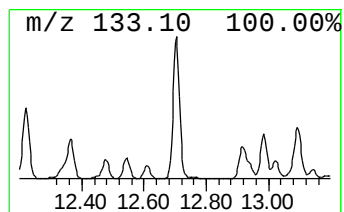
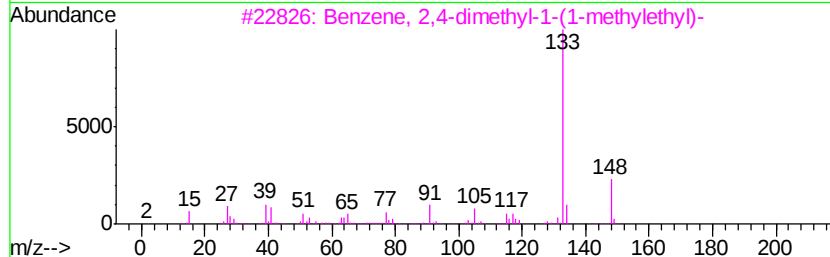
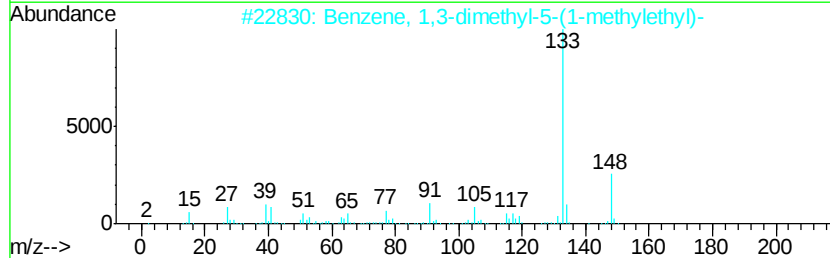
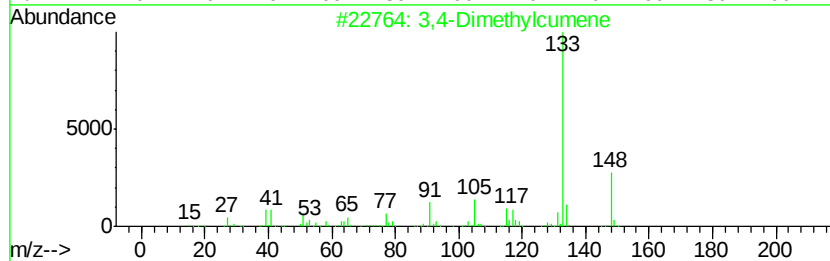
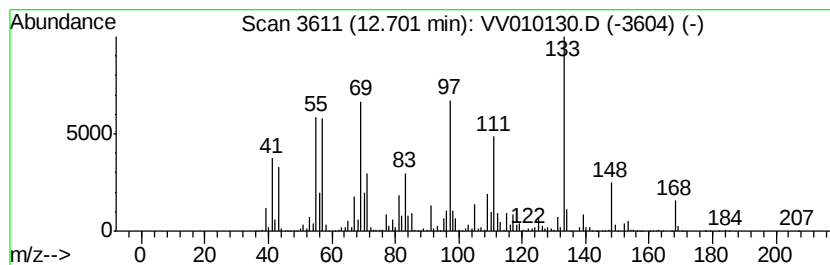
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 61 3,4-Dimethylcumene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	169.89 ug/L	29015600	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	89
2		Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	86
3		Benzene, 2,4-dimethyl-1-(1-methyl-...	148	C11H16	004706-89-2	86
4		Benzene, 1,4-dimethyl-2-(1-methyl-...	148	C11H16	004132-72-3	60
5		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

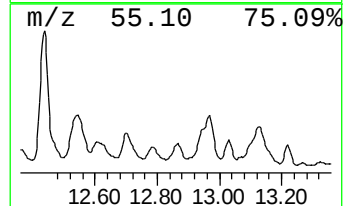
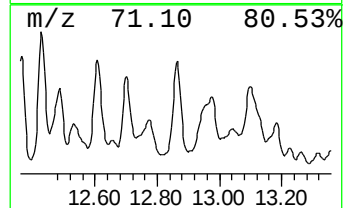
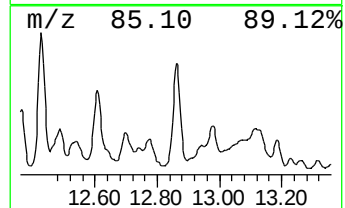
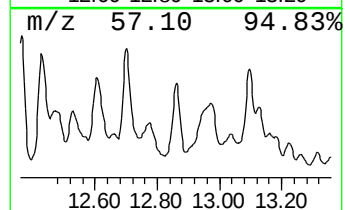
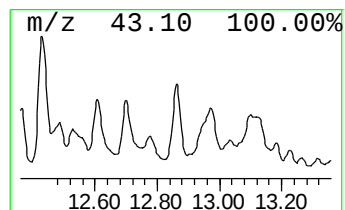
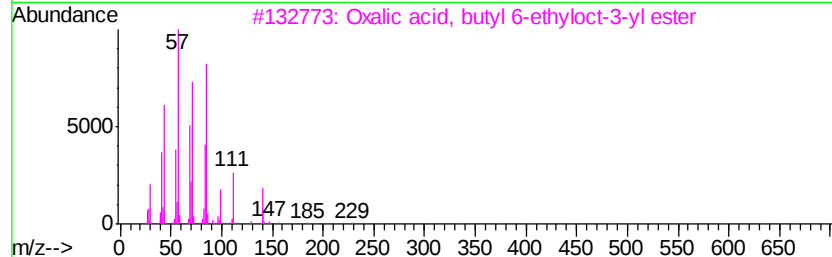
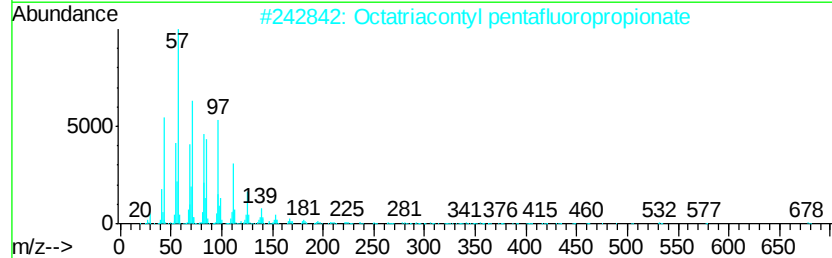
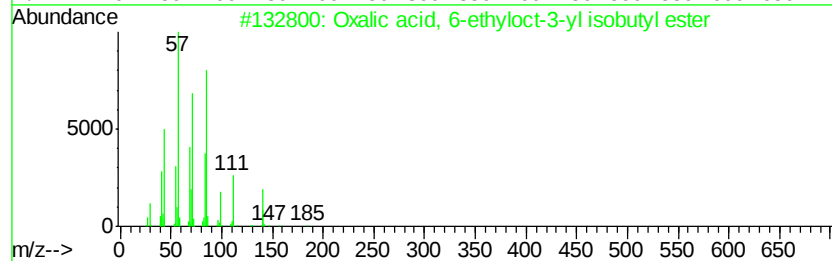
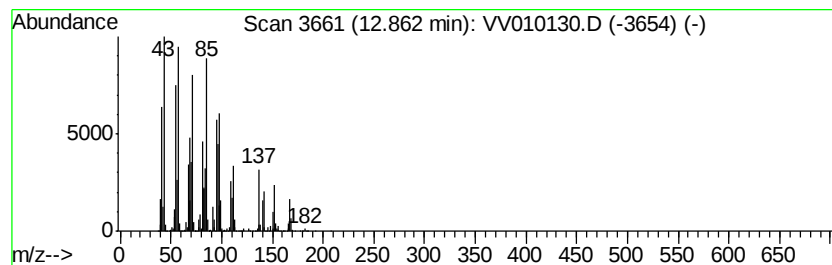
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 62 unknown-05 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	89.71 ug/L	15322200	1,4-Dichlorobenzene-d4	11.31
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Oxalic acid, 6-ethyloct-3-yl iso...	286 C16H30O4	1000309-34-1 43
2		Octatriacontyl pentafluoropropio...	697 C41H77F5O2	1000351-89-1 43
3		Oxalic acid, butyl 6-ethyloct-3-...	286 C16H30O4	1000309-34-2 43
4		Oxalic acid, bis(6-ethyloct-3-yl...	370 C22H42O4	1000309-34-6 43
5		Heptane, 2,4-dimethyl-	128 C9H20	002213-23-2 42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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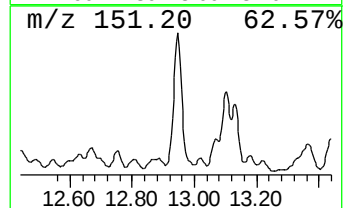
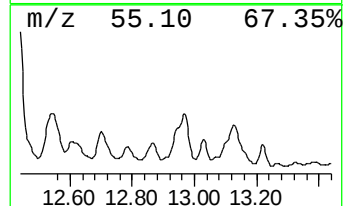
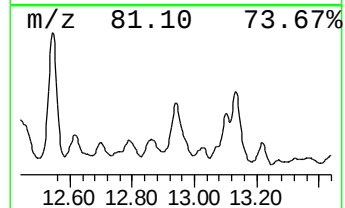
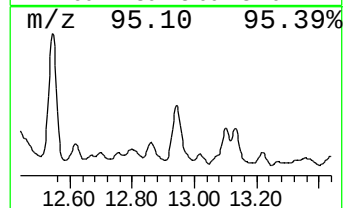
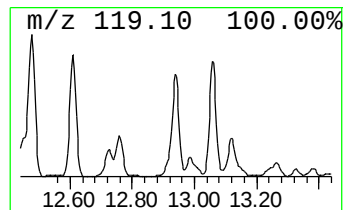
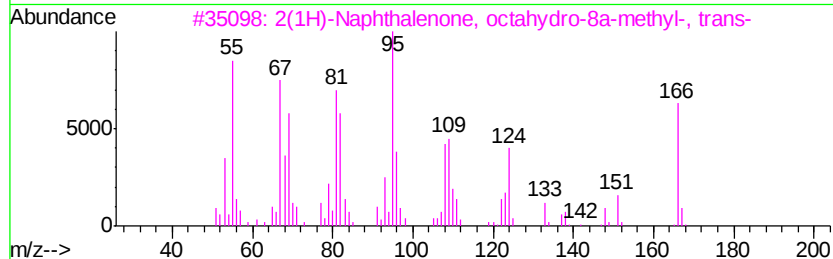
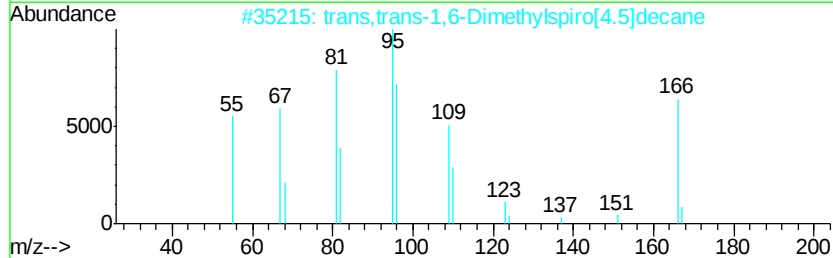
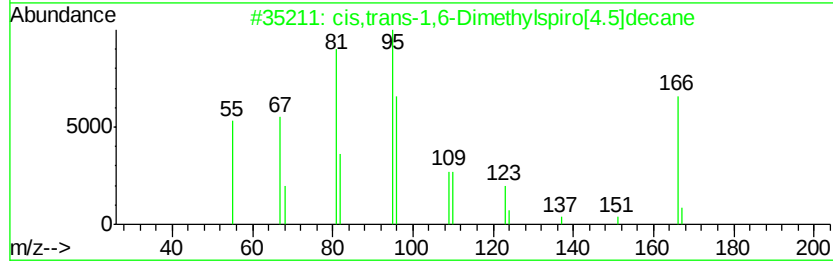
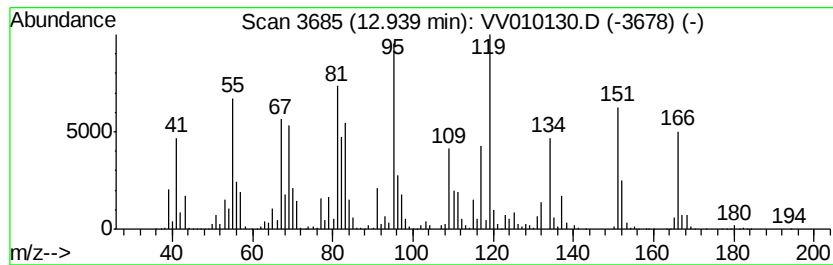
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 63 unknown-06 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	355.67 ug/L	60746800	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	41
2		trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	38
3		2(1H)-Naphthalenone, octahydro-8...	166	C11H18O	001197-95-1	30
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	25
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BF5F8

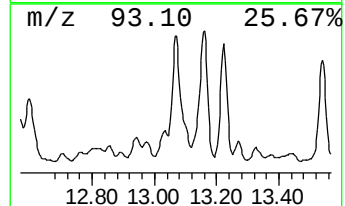
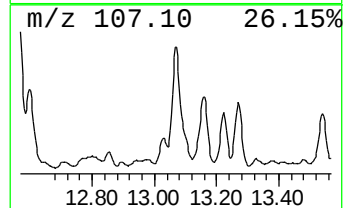
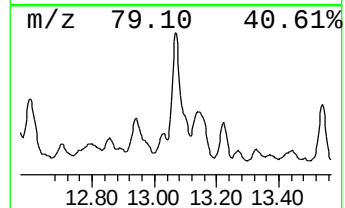
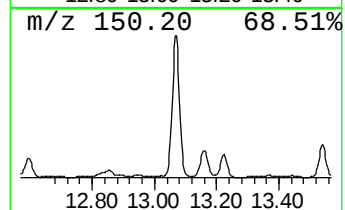
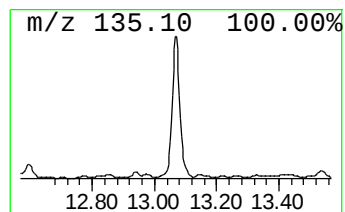
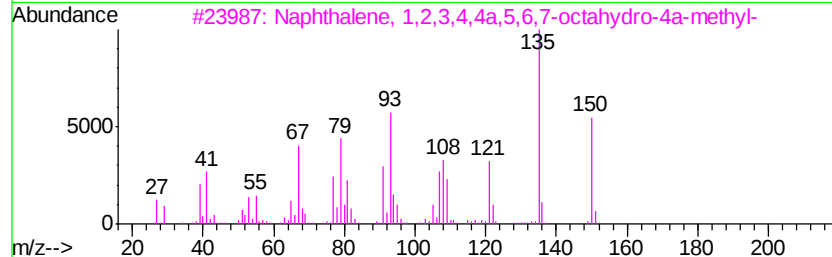
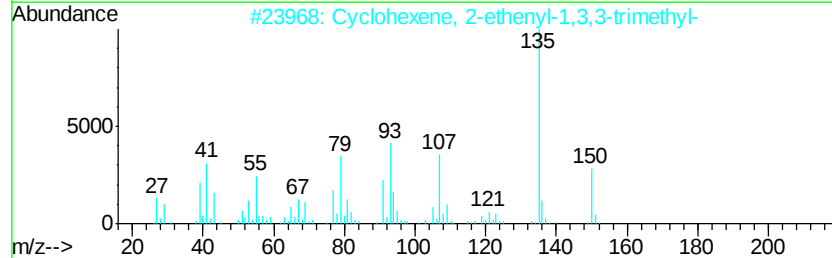
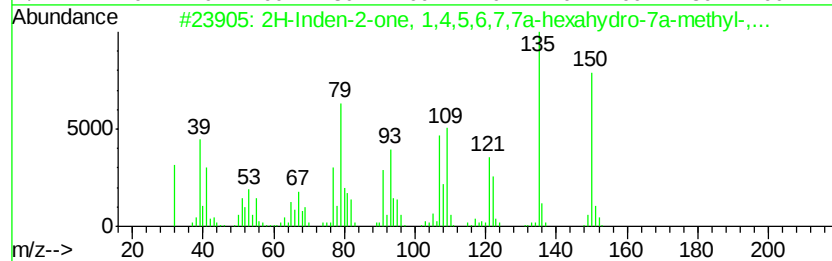
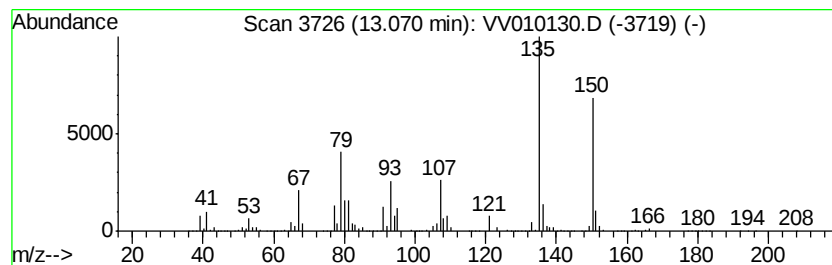
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 64 2H-Inden-2-one, 1,4,5,6,7,7... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	74.51 ug/L	12726000	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2H-Inden-2-one, 1,4,5,6,7,7a-hex...	150	C10H14O	054725-16-5	91
2		Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	80
3		Naphthalene, 1,2,3,4,4a,5,6,7-oc...	150	C11H18	013943-77-6	72
4		1-Isobutyladamantane	192	C14H24	027364-16-5	70
5		3,9-Epoxy-p-mentha-1,8(10)-diene	150	C10H14O	1000111-14-8	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
 Data File : VV010130.D
 Acq On : 05 Apr 2019 14:28
 Operator : SY/MD
 Sample : K2148-11
 Misc : 5.31G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5F8

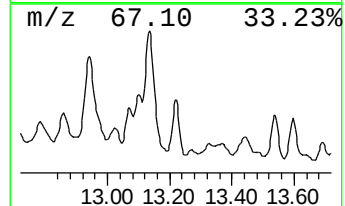
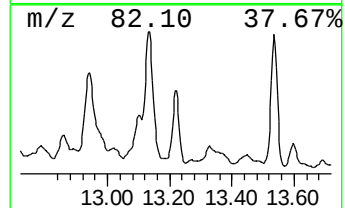
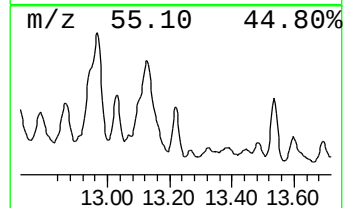
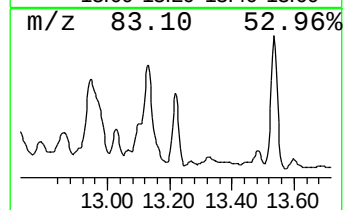
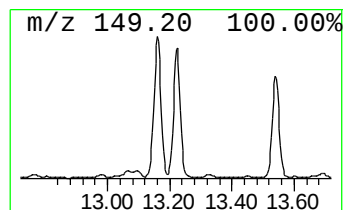
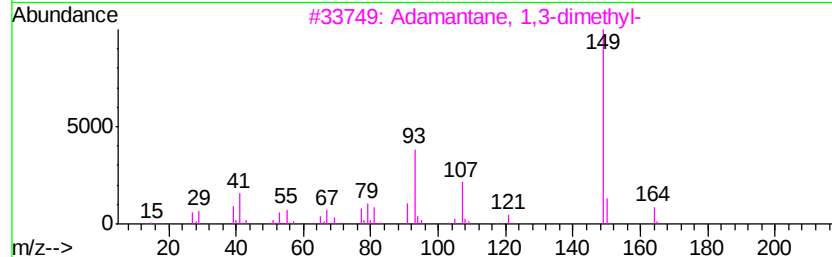
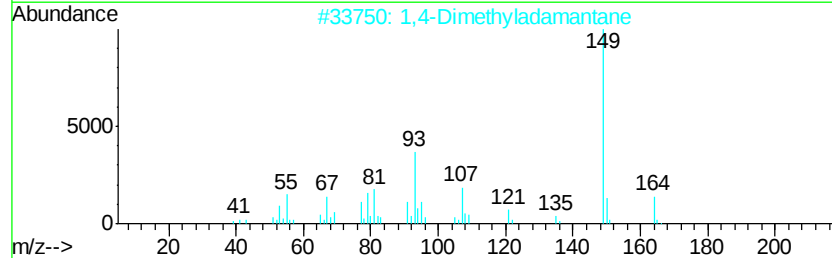
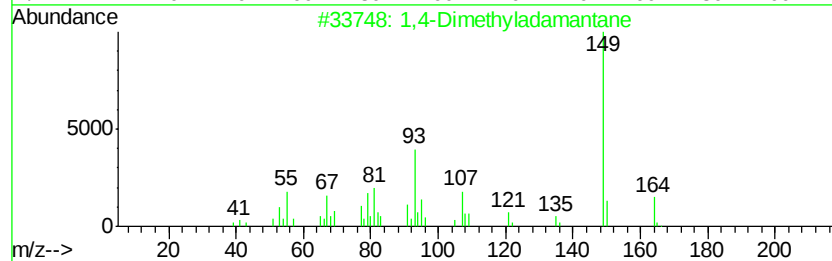
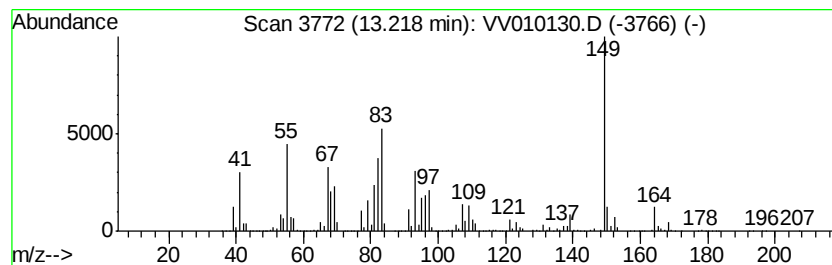
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 Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 65 1,4-Dimethyladamantane Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	103.65 ug/L	17702900	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Dimethyladamantane	164	C12H20	024145-88-8	70
2		1,4-Dimethyladamantane	164	C12H20	024145-89-9	64
3		Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	53
4		1-Methyl-3-ethyladamantane	178	C13H22	001687-34-9	47
5		2-(3-Methylbuta-1,3-dienyl)cyclo...	164	C11H16O	1000191-75-5	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

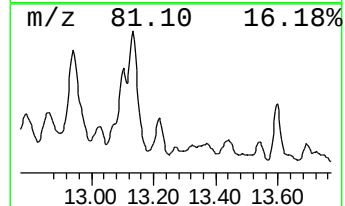
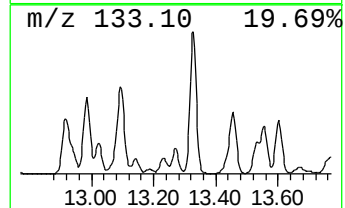
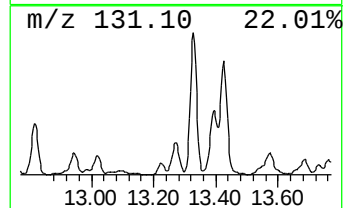
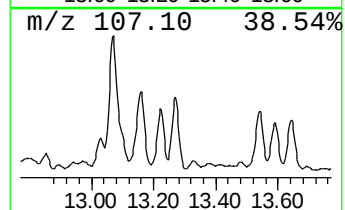
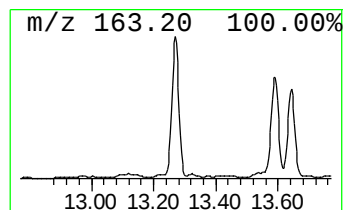
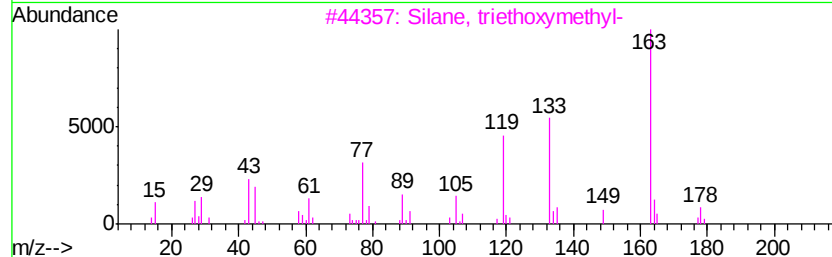
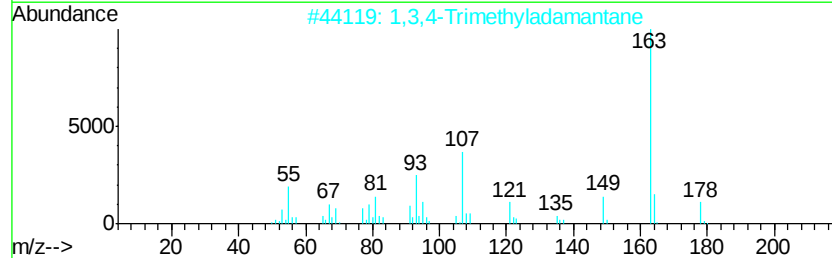
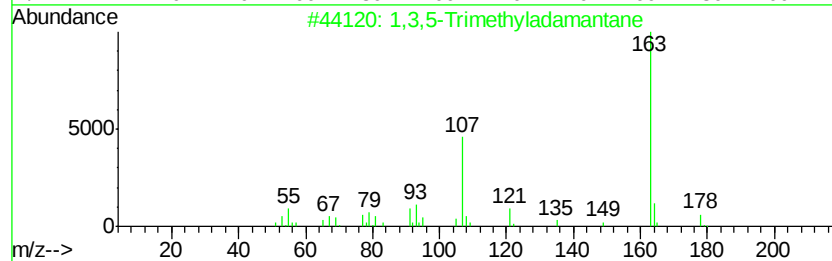
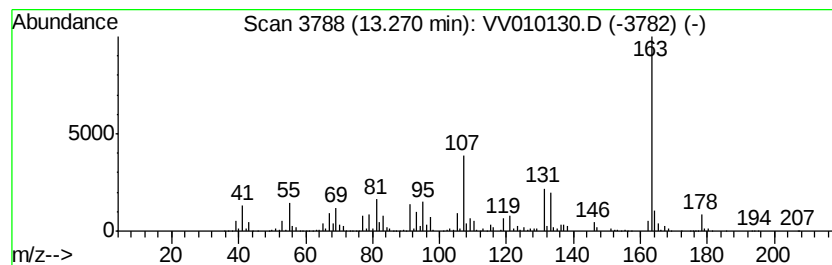
Instrument :
MSVOA_V
ClientSampleId :
BF5F8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 66 1,3,5-Trimethyladamantane Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	35.91 ug/L	6133180	1,4-Dichlorobenzene-d4	11.31
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,3,5-Trimethyladamantane	178 C13H22	000707-35-7	64
2	1,3,4-Trimethyladamantane	178 C13H22	1000214-98-3	49
3	Silane, triethoxymethyl-	178 C7H18O3Si	002031-67-6	47
4	Silane, triethoxymethyl-	178 C7H18O3Si	002031-67-6	47
5	1H-Indazole, 5-nitro-	163 C7H5N3O2	005401-94-5	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

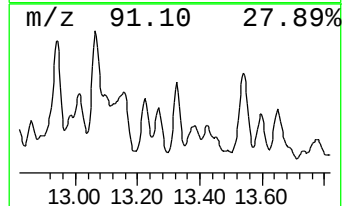
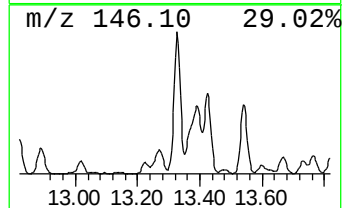
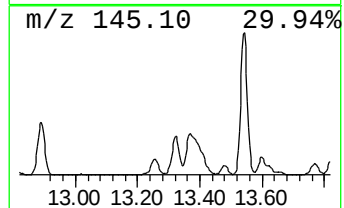
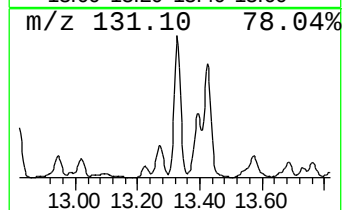
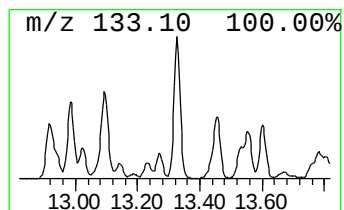
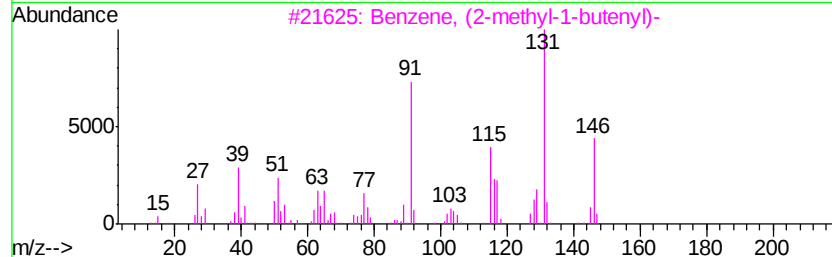
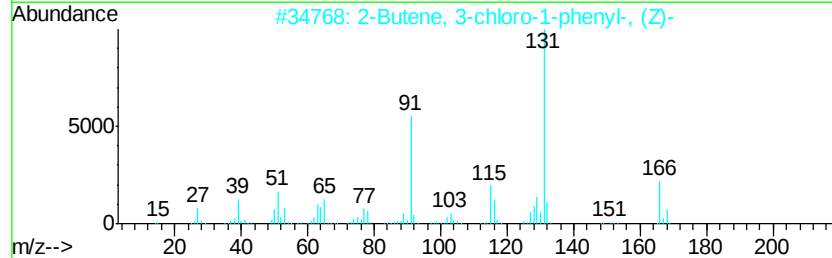
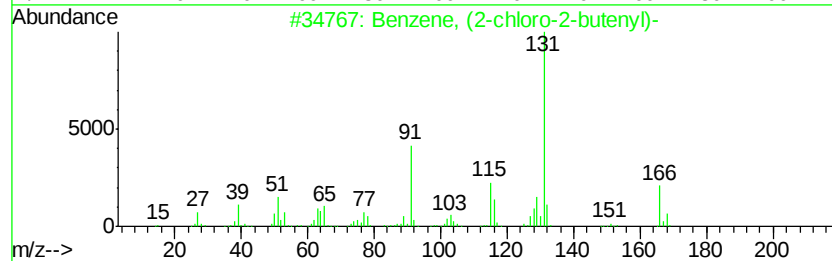
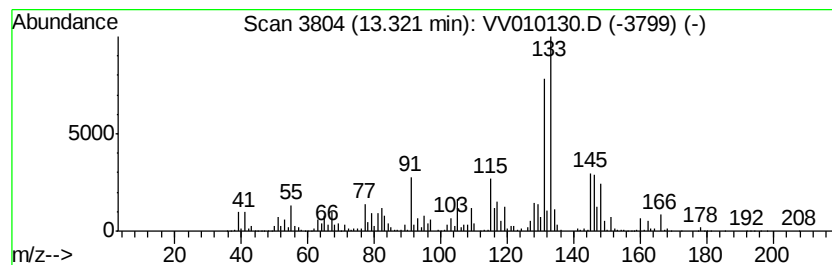
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 67 Benzene, (2-chloro-2-butenyl)- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	55.48 ug/L	9475530	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	81
2		2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	80
3		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	50
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
5		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

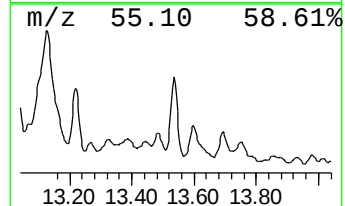
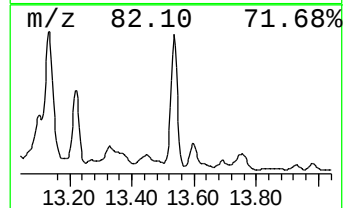
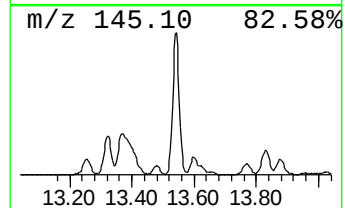
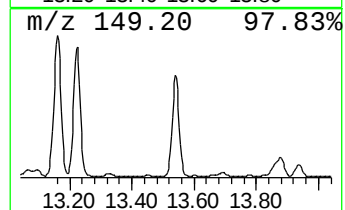
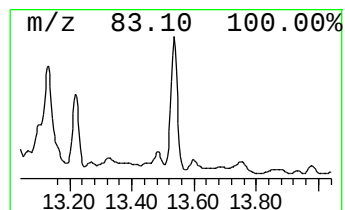
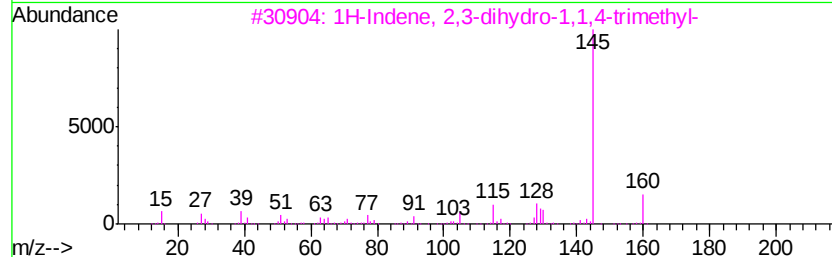
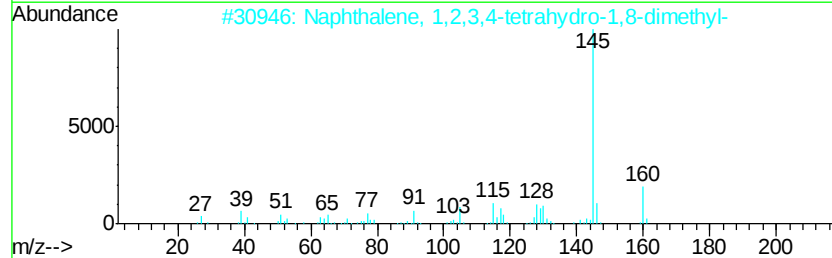
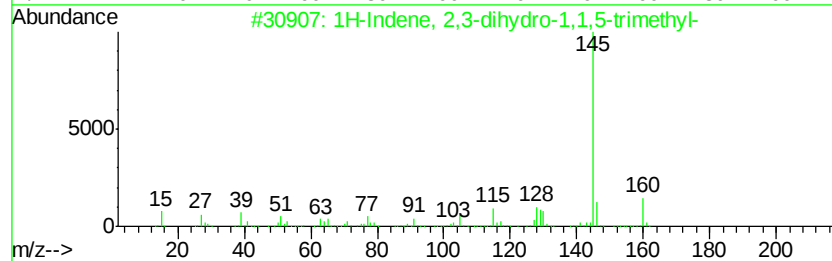
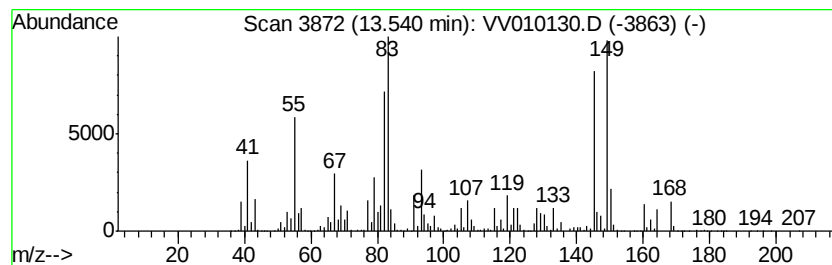
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 68 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	154.48 ug/L	26384600	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	58
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	53
3		1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	40
4		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	40
5		1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

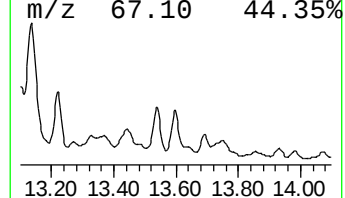
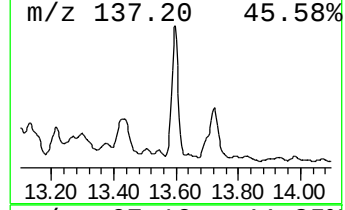
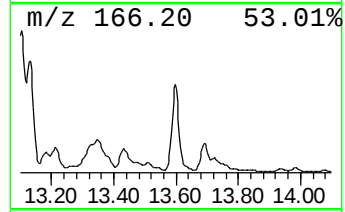
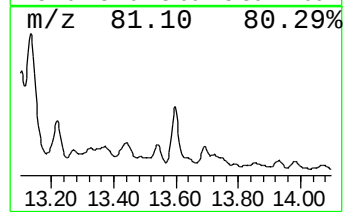
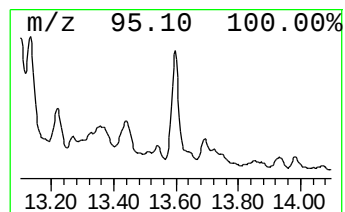
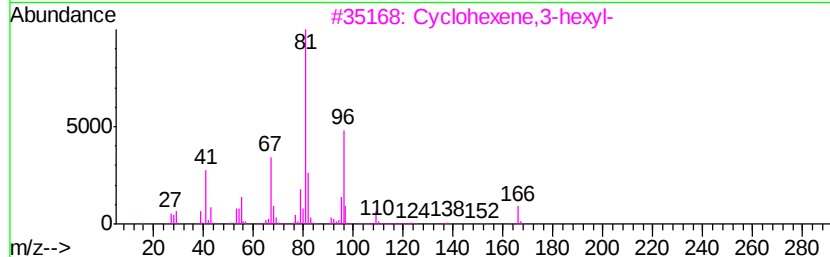
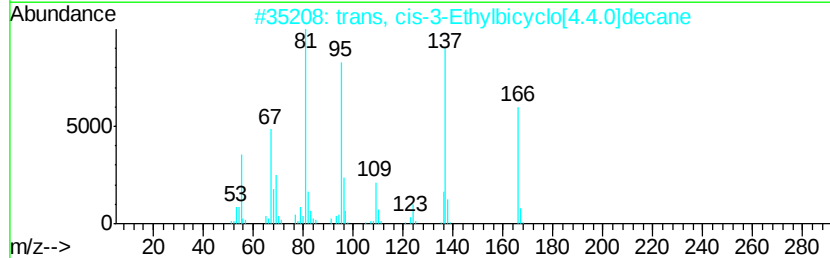
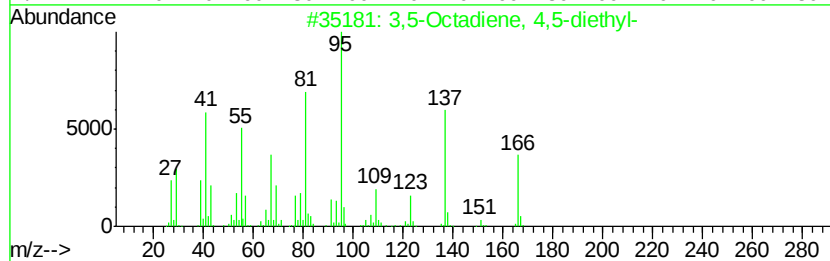
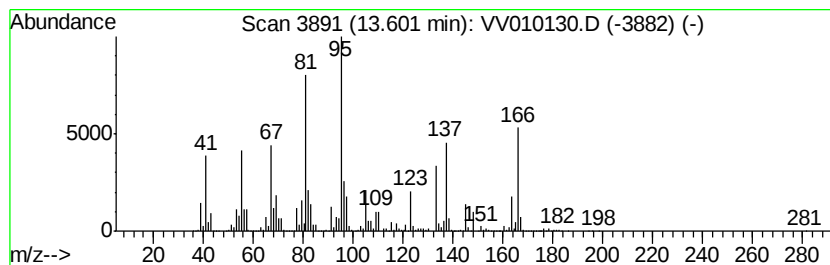
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 69 3,5-Octadiene, 4,5-diethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	79.44 ug/L	13568400	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Octadiene, 4,5-diethyl-	166	C12H22	067652-84-0	62
2		trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	53
3		Cyclohexene,3-hexyl-	166	C12H22	015232-78-7	41
4		3-Octyne, 2,2-dimethyl-	138	C10H18	019482-57-6	38
5		4,6-Heptadien-2-one, 3,6-dimethy...	180	C12H20O	077822-50-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

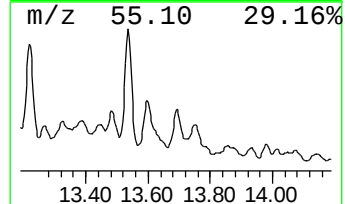
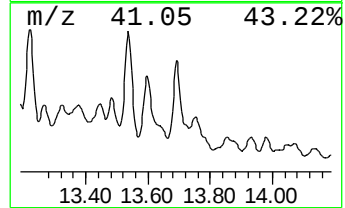
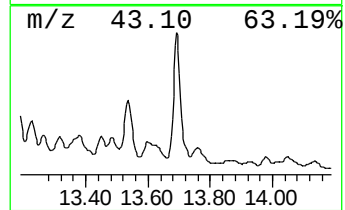
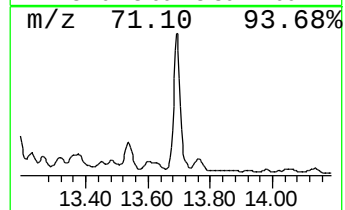
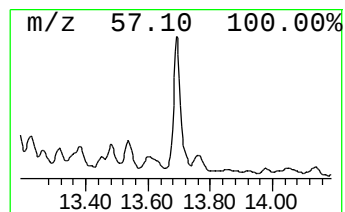
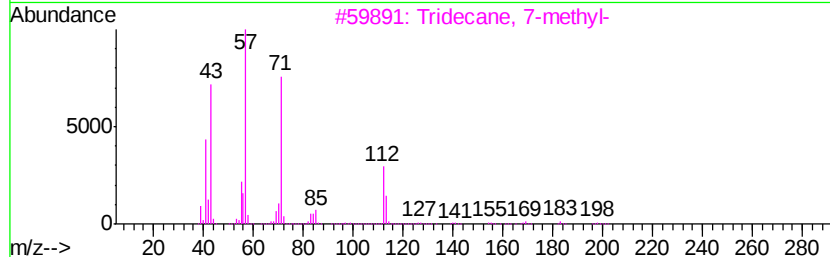
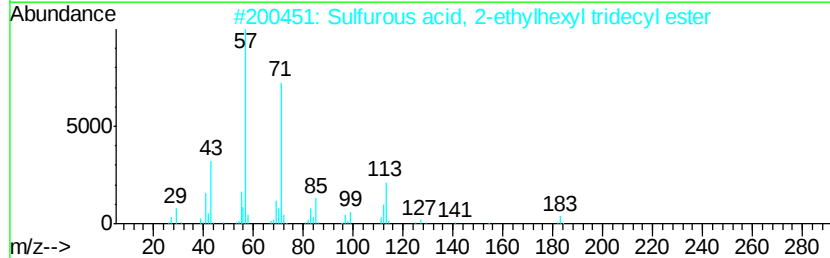
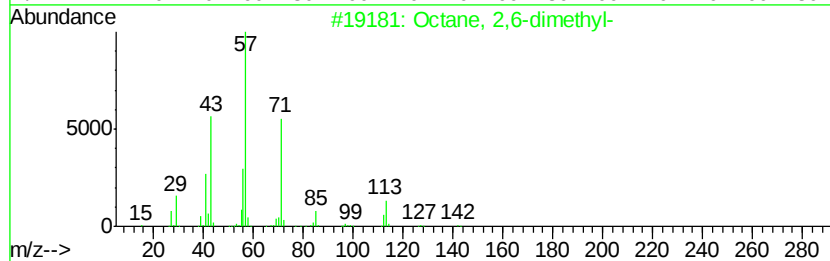
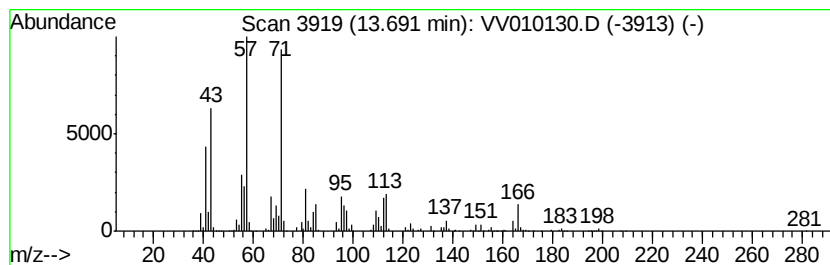
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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 70 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	48.40 ug/L	8265770	1,4-Dichlorobenzene-d4	11.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
2		Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	53
3		Tridecane, 7-methyl-	198	C14H30	026730-14-3	52
4		Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	49
5		Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

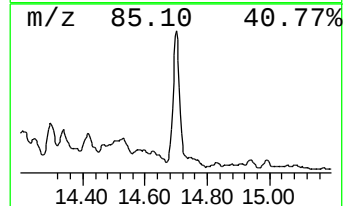
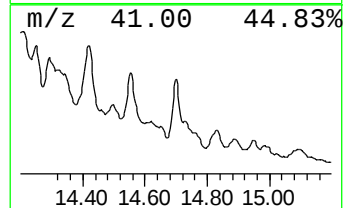
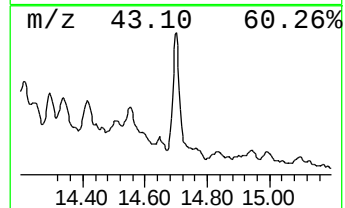
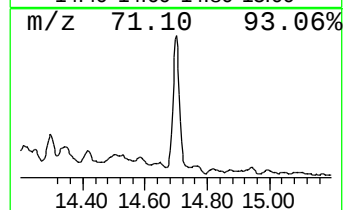
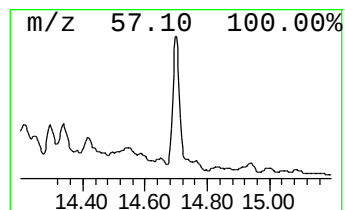
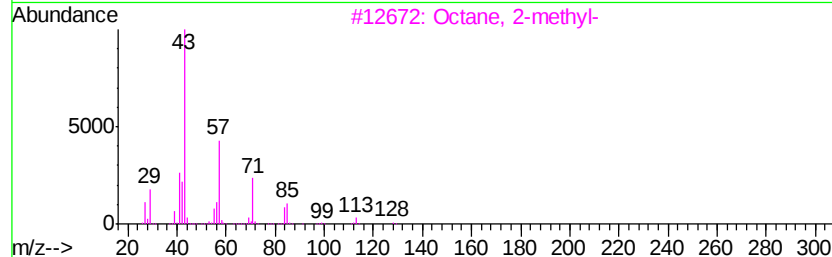
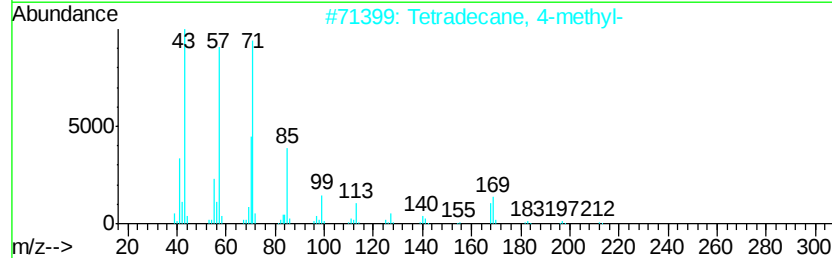
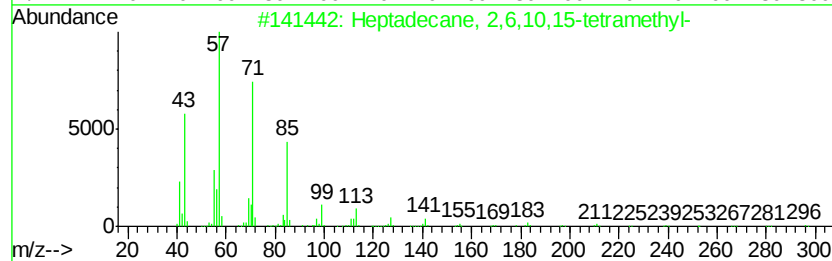
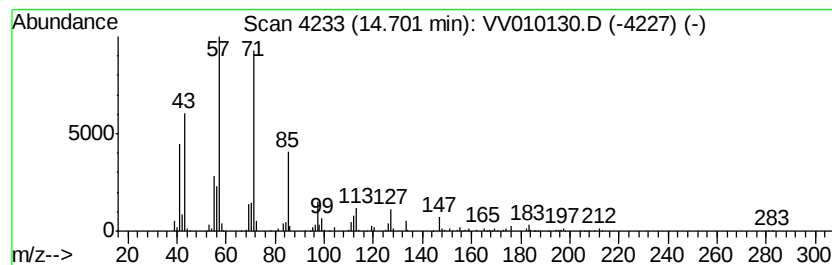
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	3.17 ug/L	542017	1,4-Dichlorobenzene-d4	11.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
2			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	80
3			Octane, 2-methyl-	128	C9H20	003221-61-2	74
4			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
5			1-Undecene, 4-methyl-	168	C12H24	074630-39-0	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010130.D
Acq On : 05 Apr 2019 14:28
Operator : SY/MD
Sample : K2148-11
Misc : 5.31G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5F8

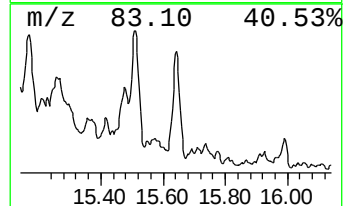
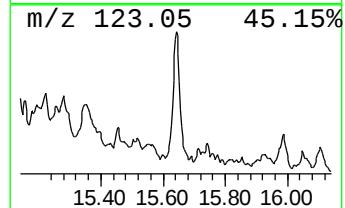
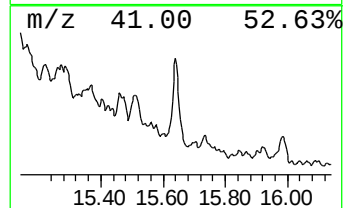
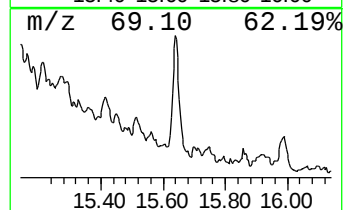
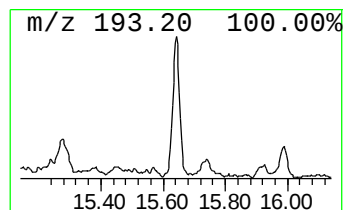
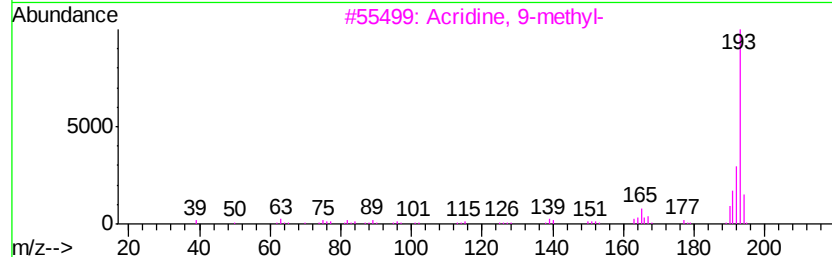
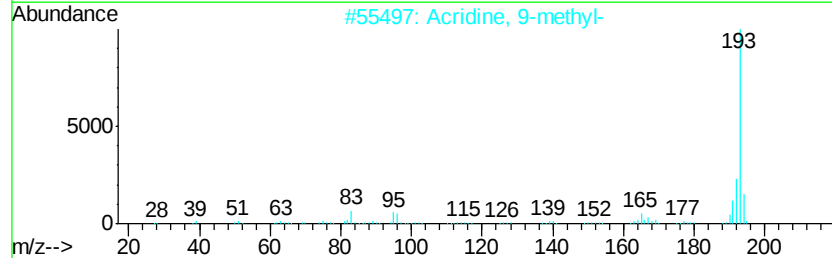
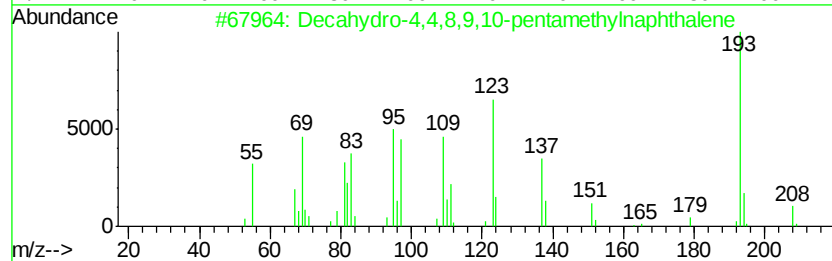
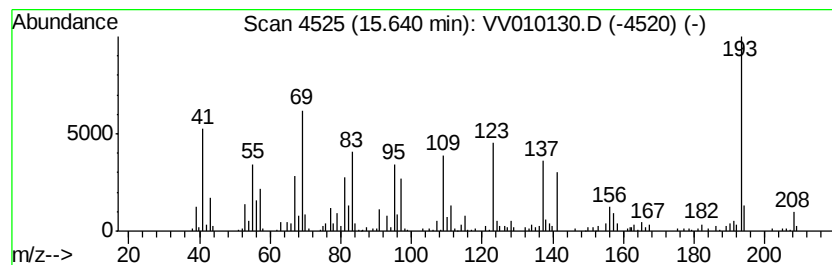
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 72 unknown-07 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	1.26 ug/L	215416	1,4-Dichlorobenzene-d4	11.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	49
2			Acridine, 9-methyl-	193	C14H11N	000611-64-3	18
3			Acridine, 9-methyl-	193	C14H11N	000611-64-3	18
4			Anthracene, 9-ethyl-9,10-dihydro...	222	C17H18	036778-20-8	14
5			6-Methylphenanthridine	193	C14H11N	003955-65-5	14



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
 Data File : VV010130.D
 Acq On : 05 Apr 2019 14:28
 Operator : SY/MD
 Sample : K2148-11
 Misc : 5.31G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5F8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name					--Internal Standard--				
					#	RT	Resp	Conc	
(DEL) Alkane: Str...	6.24	1.4 ug/L	34467	1	5.66	622299	25.0		
(DEL) Alkane: Str...	6.30	2.1 ug/L	51601	1	5.66	622299	25.0		
(DEL) Alkane: Cyc...	6.50	4.5 ug/L	112112	1	5.66	622299	25.0		
(DEL) Alkane: Cyc...	6.68	6.9 ug/L	170814	1	5.66	622299	25.0		
(DEL) Alkane: Str...	6.82	1.8 ug/L	44265	1	5.66	622299	25.0		
(DEL) Alkane: Str...	6.88	2.7 ug/L	67281	1	5.66	622299	25.0		
(DEL) Alkane: Str...	6.92	1.8 ug/L	43883	1	5.66	622299	25.0		
(DEL) Alkane: Str...	7.08	2.2 ug/L	55875	1	5.66	622299	25.0		
(DEL) Alkane: Cyc...	7.21	4.1 ug/L	102486	1	5.66	622299	25.0		
(DEL) Alkane: Cyc...	7.31	18.7 ug/L	853834	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	7.49	7.3 ug/L	331731	2	8.90	1138940	25.0		
6-Methyl-1,7-diaz...	7.56	4.2 ug/L	190489	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	7.83	11.9 ug/L	542498	2	8.90	1138940	25.0		
unknown-01	7.89	3.0 ug/L	138943	2	8.90	1138940	25.0		
(DEL) Alkane: Str...	7.95	4.9 ug/L	221529	2	8.90	1138940	25.0		
(DEL) Alkane: Str...	8.02	9.2 ug/L	419833	2	8.90	1138940	25.0		
(DEL) Alkane: Str...	8.25	60.5 ug/L	2754480	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	8.33	39.8 ug/L	1811670	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	8.40	87.1 ug/L	3968080	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	8.55	19.3 ug/L	881177	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	8.64	143.3 ug/L	6529830	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	8.77	3.1 ug/L	142632	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	8.82	10.9 ug/L	496398	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	8.96	36.4 ug/L	1659980	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	9.04	60.7 ug/L	2765090	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	9.11	8.5 ug/L	386029	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	9.15	133.0 ug/L	6059280	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	9.20	234.7 ug/L	10694300	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	9.24	171.9 ug/L	7830240	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	9.36	88.5 ug/L	4030950	2	8.90	1138940	25.0		
(DEL) Alkane: Str...	9.46	40.8 ug/L	1860730	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	9.52	428.7 ug/L	19530200	2	8.90	1138940	25.0		
Sulfurous acid, c...	9.60	52.5 ug/L	2390060	2	8.90	1138940	25.0		
(DEL) Alkane: Str...	9.68	45.3 ug/L	2063700	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	9.73	109.0 ug/L	4967400	2	8.90	1138940	25.0		
(DEL) Alkane: Str...	9.77	654.0 ug/L	29792400	2	8.90	1138940	25.0		
(DEL) Alkane: Cyc...	9.85	868.2 ug/L	39552000	2	8.90	1138940	25.0		
(DEL) Alkane: Str...	10.07	361.1 ug/L	16451400	2	8.90	1138940	25.0		
1-Methyl-2-methyl...	10.18	46.1 ug/L	7872860	3	11.31	4269880	25.0		
(DEL) Alkane: Cyc...	10.45	103.3 ug/L	17645100	3	11.31	4269880	25.0		
unknown-02	10.50	112.2 ug/L	19161400	3	11.31	4269880	25.0		
(DEL) Alkane: Cyc...	10.57	218.8 ug/L	37366900	3	11.31	4269880	25.0		
(DEL) Alkane: Cyc...	10.62	153.2 ug/L	26169600	3	11.31	4269880	25.0		
Ethanone, 1-(1-me...	10.78	63.5 ug/L	10842500	3	11.31	4269880	25.0		
Sulfurous acid, 2...	10.83	67.5 ug/L	11521100	3	11.31	4269880	25.0		
unknown-03	10.95	127.1 ug/L	21705400	3	11.31	4269880	25.0		
(DEL) Alkane: Str...	11.10	190.7 ug/L	32564400	3	11.31	4269880	25.0		
(DEL) Alkane: Cyc...	11.22	271.8 ug/L	46418900	3	11.31	4269880	25.0		
(DEL) Alkane: Cyc...	11.48	74.9 ug/L	12785500	3	11.31	4269880	25.0		

Benzene, 1,3-diet...	11.60	71.5	ug/L	12218000	3	11.31	4269880	25.0
Cyclopentane, 1-h...	11.84	140.6	ug/L	24013900	3	11.31	4269880	25.0
2-Butenoic acid, ...	11.88	95.5	ug/L	16309200	3	11.31	4269880	25.0
1H,5H-Pyrrolo[1',...	12.00	409.6	ug/L	69959300	3	11.31	4269880	25.0
Benzene, 1-ethyl-...	12.19	138.2	ug/L	23607700	3	11.31	4269880	25.0
unknown-04	12.26	138.5	ug/L	23655900	3	11.31	4269880	25.0
trans-Decalin, 2-...	12.33	816.0	ug/L	139374000	3	11.31	4269880	25.0
(DEL) Alkane: Cyc...	12.44	830.0	ug/L	141768000	3	11.31	4269880	25.0
Naphthalene, deca...	12.54	479.5	ug/L	81900400	3	11.31	4269880	25.0
Benzene, 1-methyl...	12.61	228.8	ug/L	39071200	3	11.31	4269880	25.0
3,4-Dimethylcumene	12.70	169.9	ug/L	29015600	3	11.31	4269880	25.0
unknown-05	12.86	89.7	ug/L	15322200	3	11.31	4269880	25.0
unknown-06	12.94	355.7	ug/L	60746800	3	11.31	4269880	25.0
2H-Inden-2-one, 1...	13.07	74.5	ug/L	12726000	3	11.31	4269880	25.0
1,4-Dimethyladama...	13.22	103.7	ug/L	17702900	3	11.31	4269880	25.0
1,3,5-Trimethylad...	13.27	35.9	ug/L	6133180	3	11.31	4269880	25.0
Benzene, (2-chlor...	13.32	55.5	ug/L	9475530	3	11.31	4269880	25.0
1H-Indene, 2,3-di...	13.54	154.5	ug/L	26384600	3	11.31	4269880	25.0
3,5-Octadiene, 4,...	13.60	79.4	ug/L	13568400	3	11.31	4269880	25.0
(DEL) Alkane: Str...	13.69	48.4	ug/L	8265770	3	11.31	4269880	25.0
(DEL) Alkane: Str...	14.70	3.2	ug/L	542017	3	11.31	4269880	25.0
unknown-07	15.64	1.3	ug/L	215416	3	11.31	4269880	25.0

Instrument :
MSVOA_V
ClientSampleId :
BF5F8