

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040519\
 Data File : VV010128.D
 Acq On : 05 Apr 2019 13:10
 Operator : SY/MD
 Sample : K2148-17
 Misc : 4.70G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5J3

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	82	rVB	109652	115788	0.14%	0.015%
2	1.399	89	96	105	rVB	14519	17625	0.02%	0.002%
3	1.582	132	153	167	rBV	179436	236895	0.28%	0.032%
4	2.126	312	322	337	rVV	255260	366069	0.43%	0.049%
5	2.206	337	347	369	rVB	16827	39423	0.05%	0.005%
6	2.537	438	450	467	rBV	30906	55206	0.07%	0.007%
7	3.077	607	618	626	rBV6	4825	9915	0.01%	0.001%
8	3.946	874	888	907	rBV	20395	59739	0.07%	0.008%
9	4.399	1013	1029	1051	rVV	147257	357973	0.42%	0.048%
10	5.093	1224	1245	1269	rBV2	337543	838443	0.99%	0.112%
11	5.222	1275	1285	1294	rVB10	5728	11311	0.01%	0.002%
12	5.370	1321	1331	1341	rVV10	4553	9491	0.01%	0.001%
13	5.662	1406	1422	1450	rBV	324490	641483	0.76%	0.086%
14	6.116	1549	1563	1573	rBV	191614	398797	0.47%	0.053%
15	6.174	1576	1581	1593	rVV4	81505	152303	0.18%	0.020%
16	6.241	1593	1602	1611	rVV4	24609	44557	0.05%	0.006%
17	6.299	1611	1620	1633	rVB4	29966	56086	0.07%	0.007%
18	6.408	1644	1654	1663	rVB6	8342	14298	0.02%	0.002%
19	6.505	1667	1684	1698	rBV5	50186	109875	0.13%	0.015%
20	6.675	1721	1737	1757	rBV4	60620	159576	0.19%	0.021%
21	6.823	1770	1783	1791	rBV3	20698	42273	0.05%	0.006%
22	6.881	1791	1801	1808	rVV2	34562	65760	0.08%	0.009%
23	6.920	1809	1813	1826	rVB4	21670	39154	0.05%	0.005%
24	7.029	1829	1847	1857	rBV	114162	224789	0.27%	0.030%
25	7.080	1857	1863	1876	rVB2	30341	55487	0.07%	0.007%
26	7.209	1891	1903	1918	rVB6	37923	94515	0.11%	0.013%
27	7.306	1918	1933	1940	rBV3	403169	782506	0.93%	0.105%
28	7.357	1941	1949	1976	rVB2	483067	1008793	1.20%	0.135%
29	7.486	1976	1989	1997	rBV5	152429	307986	0.36%	0.041%
30	7.556	2006	2011	2025	rVB3	105577	179416	0.21%	0.024%
31	7.698	2025	2055	2079	rBV3	565448	1195326	1.42%	0.160%
32	7.830	2079	2096	2106	rBV	258529	480687	0.57%	0.064%
33	7.891	2106	2115	2120	rBV5	76351	134156	0.16%	0.018%
34	7.949	2129	2133	2142	rVB	123114	177634	0.21%	0.024%

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

35	8.016	2143	2154	2167	rVB5	175418	321035	0.38%	0.043%
36	8.122	2167	2187	2210	rBV2	981777	2010080	2.38%	0.269%
37	8.251	2211	2227	2243	rBV4	764528	2264037	2.68%	0.303%
38	8.334	2243	2253	2262	rVB	894889	1488536	1.76%	0.199%
39	8.396	2262	2272	2281	rBV	1753003	3151921	3.73%	0.421%
40	8.550	2310	2320	2329	rBV2	402760	675963	0.80%	0.090%
41	8.637	2329	2347	2375	rVB5	1679111	4674021	5.54%	0.625%
42	8.765	2379	2387	2395	rBV4	64222	100989	0.12%	0.013%
43	8.820	2395	2404	2409	rBV6	121614	218188	0.26%	0.029%
44	8.891	2416	2426	2435	rBV4	550169	978292	1.16%	0.131%
45	8.965	2435	2449	2462	rVV8	355368	1168926	1.38%	0.156%
46	9.039	2462	2472	2486	rVV6	861041	1923212	2.28%	0.257%
47	9.109	2487	2494	2495	rVV2	222697	266155	0.32%	0.036%
48	9.151	2497	2507	2514	rVV2	2001032	4169575	4.94%	0.557%
49	9.203	2515	2523	2529	rVV	4098172	7079436	8.39%	0.946%
50	9.241	2529	2535	2561	rVB2	2483924	5412492	6.41%	0.723%
51	9.363	2561	2573	2587	rBV2	1473246	2704213	3.20%	0.361%
52	9.457	2592	2602	2606	rBV3	743470	1178432	1.40%	0.158%
53	9.521	2606	2622	2639	rBV4	4967357	11942804	14.15%	1.596%
54	9.598	2639	2646	2650	rBV3	1067118	1575923	1.87%	0.211%
55	9.678	2666	2671	2677	rVB	1180777	1448616	1.72%	0.194%
56	9.723	2677	2685	2688	rBV	2657536	3725968	4.41%	0.498%
57	9.759	2688	2696	2706	rVB3	10994999	17961266	21.28%	2.401%
58	9.846	2706	2723	2733	rBV3	11660811	23609099	27.97%	3.156%
59	9.961	2751	2759	2769	rVB4	2116045	3805421	4.51%	0.509%
60	10.026	2770	2779	2786	rBV3	3521479	6055169	7.17%	0.809%
61	10.071	2787	2793	2816	rVB6	3216047	8420552	9.98%	1.126%
62	10.177	2817	2826	2834	rBV4	3114520	4884344	5.79%	0.653%
63	10.293	2834	2862	2872	rBV5	9656405	22483718	26.64%	3.005%
64	10.447	2899	2910	2918	rBV6	4300495	9238542	10.95%	1.235%
65	10.502	2919	2927	2936	rVB4	5629026	10242285	12.13%	1.369%
66	10.563	2937	2946	2954	rBV2	11518967	18170525	21.53%	2.429%
67	10.617	2955	2963	2973	rVV6	7277322	12595013	14.92%	1.684%
68	10.775	3006	3012	3019	rBV4	3363001	5437264	6.44%	0.727%
69	10.945	3053	3065	3072	rBV10	4601464	11858843	14.05%	1.585%
70	11.090	3101	3110	3116	rBV4	8030632	14318939	16.96%	1.914%
71	11.209	3139	3147	3155	rBV	15155723	20796609	24.64%	2.780%

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72	11.299	3169	3175	3179	rBV4	2410611	3179055	3.77%	0.425%
73	11.476	3225	3230	3238	rVB5	4380377	6017670	7.13%	0.804%
74	11.598	3262	3268	3279	rBV6	3421283	6336625	7.51%	0.847%
75	11.665	3281	3289	3308	rVB2	18602164	38877409	46.06%	5.197%
76	11.829	3334	3340	3347	rVB2	7925104	10019460	11.87%	1.339%
77	11.997	3381	3392	3400	rBV5	15662369	28123548	33.32%	3.759%
78	12.180	3441	3449	3456	rBV5	5635063	10852351	12.86%	1.451%
79	12.254	3466	3472	3479	rVB2	8511029	11099673	13.15%	1.484%
80	12.325	3480	3494	3501	rBV5	25522471	51077694	60.51%	6.827%
81	12.431	3516	3527	3548	rBV5	38390648	84405803	100.00%	11.282%
82	12.537	3550	3560	3572	rVV2	25422125	45358682	53.74%	6.063%
83	12.604	3575	3581	3601	rVB7	9729014	18622683	22.06%	2.489%
84	12.698	3603	3610	3622	rBV3	9759641	17164994	20.34%	2.294%
85	12.862	3654	3661	3671	rVB5	5836789	9421109	11.16%	1.259%
86	12.939	3678	3685	3691	rBV3	13787488	21994031	26.06%	2.940%
87	13.096	3729	3734	3738	rBV3	7661856	10085417	11.95%	1.348%
88	13.128	3739	3744	3764	rVB7	20837267	39775094	47.12%	5.317%
89	13.218	3766	3772	3780	rVB2	8322029	11976555	14.19%	1.601%
90	13.267	3782	3787	3795	rVB3	3934508	5148603	6.10%	0.688%
91	13.325	3798	3805	3812	rBV2	6113436	9372543	11.10%	1.253%
92	13.540	3863	3872	3881	rVB4	17945651	26355150	31.22%	3.523%
93	13.598	3882	3890	3899	rBV4	8568699	13701890	16.23%	1.831%
94	13.694	3913	3920	3932	rBV	7528771	10372551	12.29%	1.386%
95	14.701	4227	4233	4237	rBV	678675	865633	1.03%	0.116%
96	15.466	4463	4471	4479	rBV	402904	564747	0.67%	0.075%
97	15.643	4520	4526	4536	rVB4	226171	358406	0.42%	0.048%
98	15.861	4589	4594	4601	rVB2	98857	125192	0.15%	0.017%
99	16.775	4872	4878	4886	rVB6	24518	33579	0.04%	0.004%
100	17.025	4951	4956	4961	rBV9	9029	12332	0.01%	0.002%

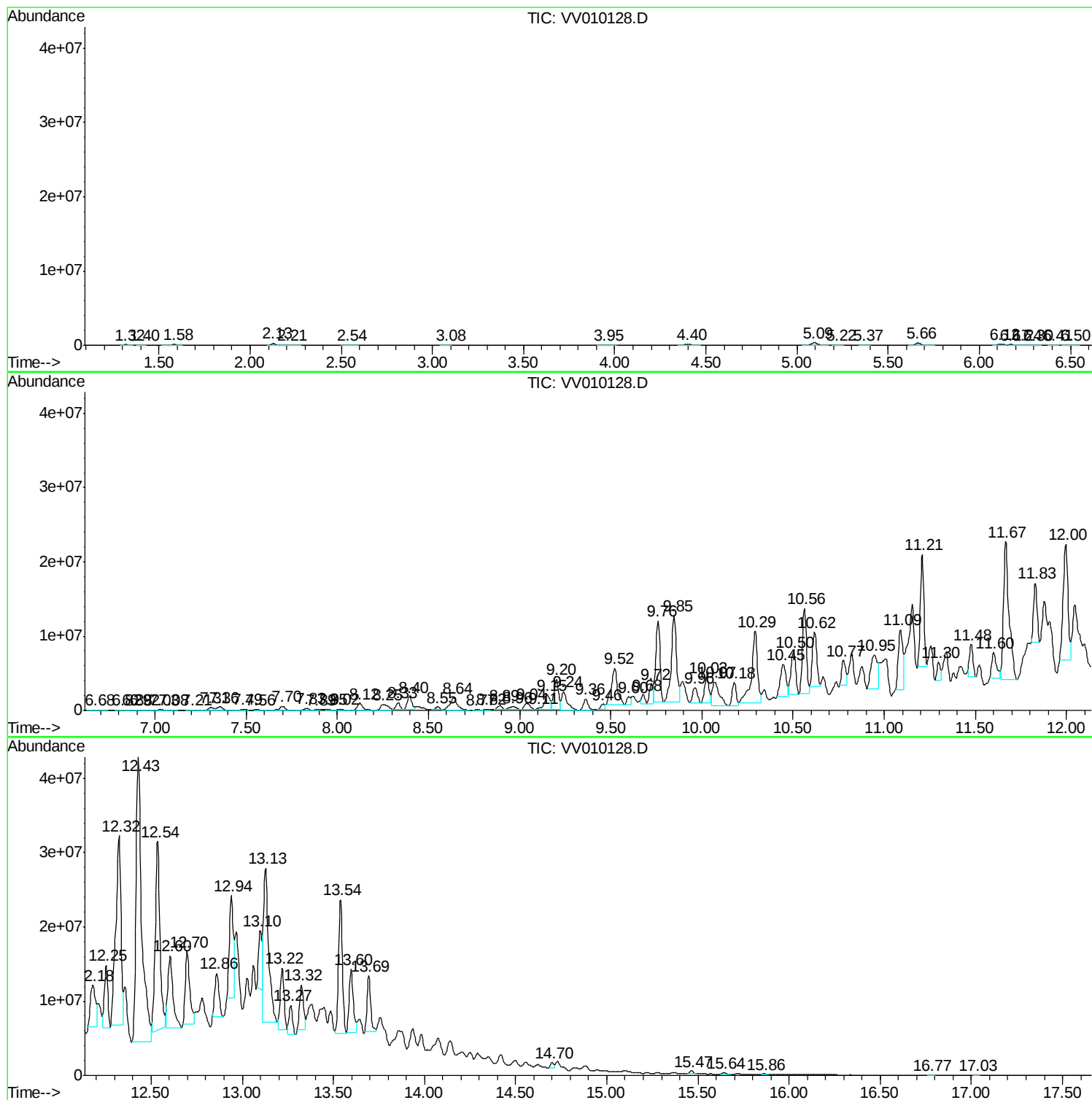
Sum of corrected areas: 748138217

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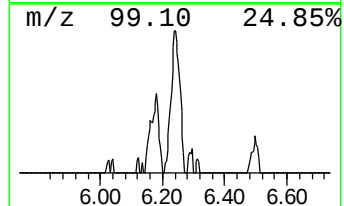
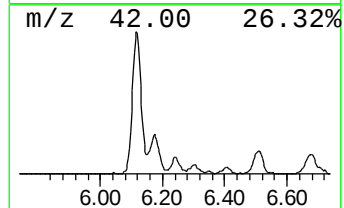
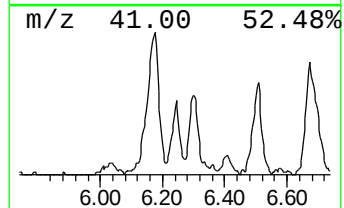
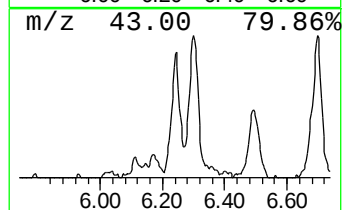
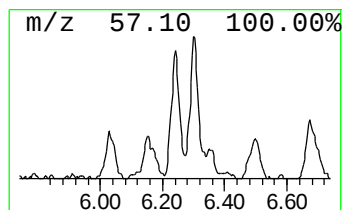
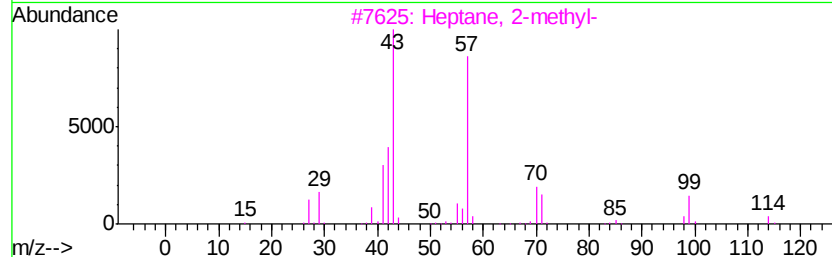
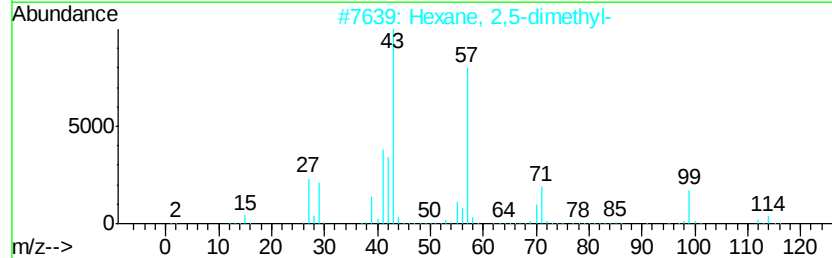
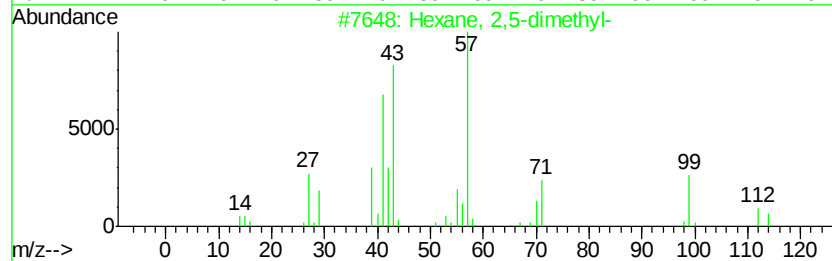
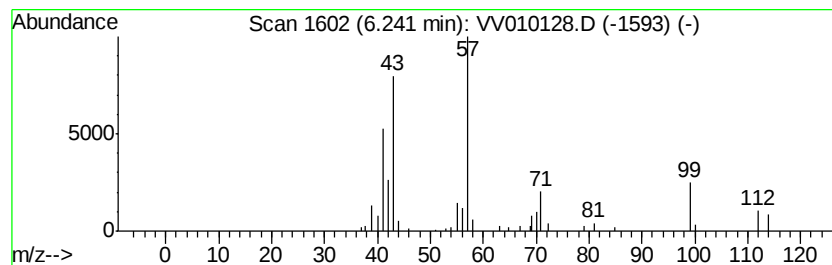
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	1.74 ug/L	44557	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-			114	C8H18	000592-13-2	76
2	Hexane, 2,5-dimethyl-			114	C8H18	000592-13-2	64
3	Heptane, 2-methyl-			114	C8H18	000592-27-8	62
4	Hexane, 2,5-dimethyl-			114	C8H18	000592-13-2	58
5	Heptane, 2-methyl-			114	C8H18	000592-27-8	47



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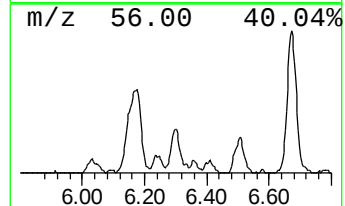
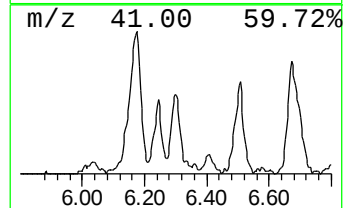
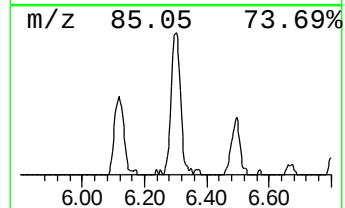
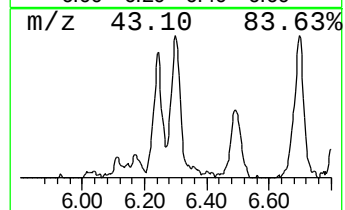
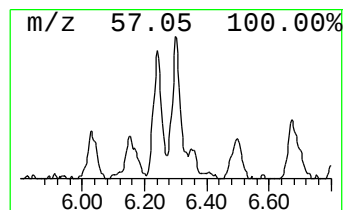
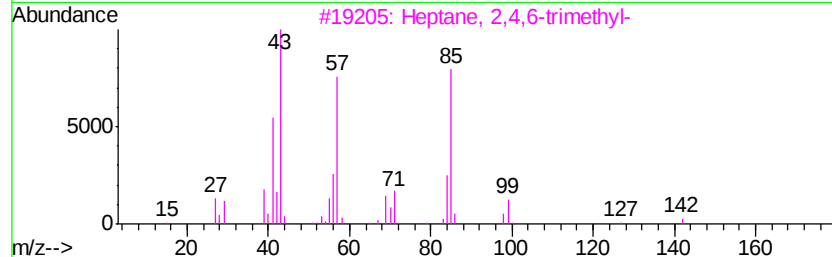
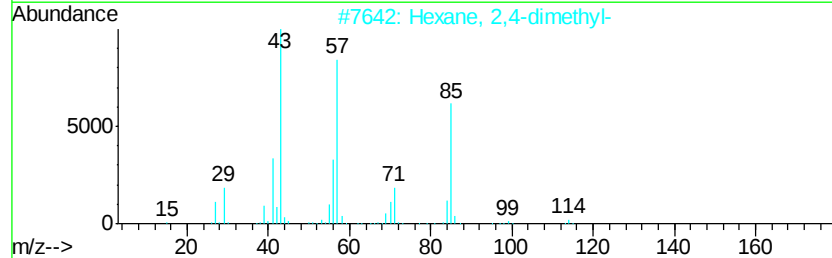
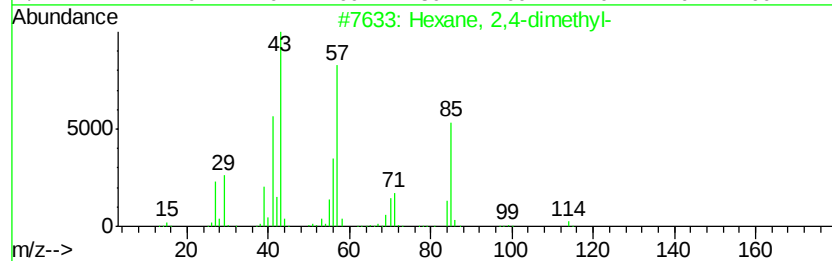
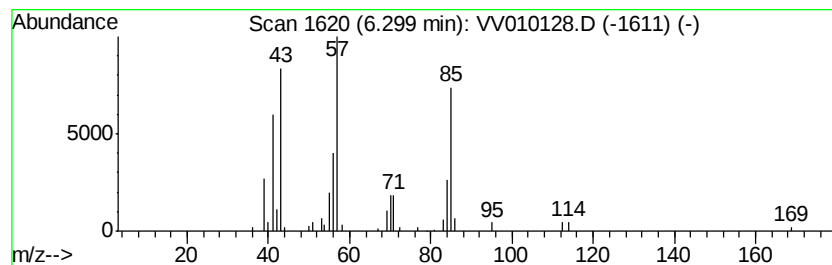
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Quant Title : VOC Analysis

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	2.19 ug/L	56086	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	86
2		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
3		Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	64
4		Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	64
5		Carbonic acid, allyl isohexyl ester	186	C10H18O3	1000314-65-0	53



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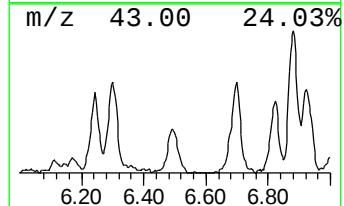
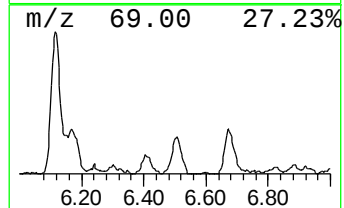
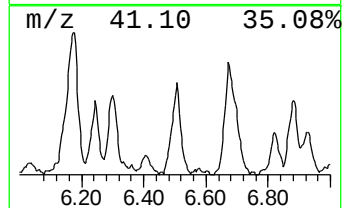
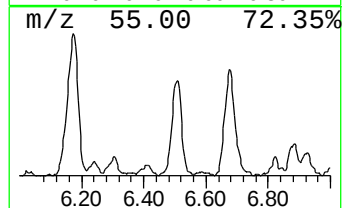
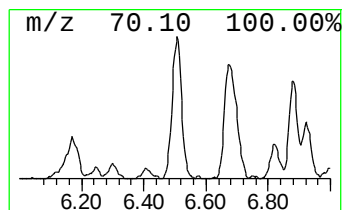
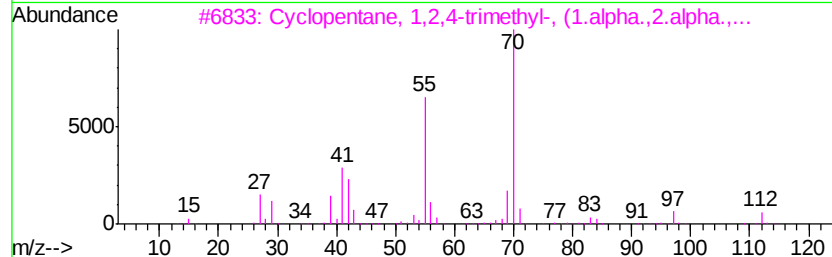
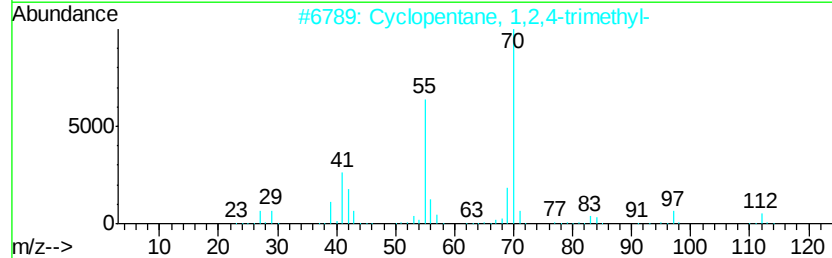
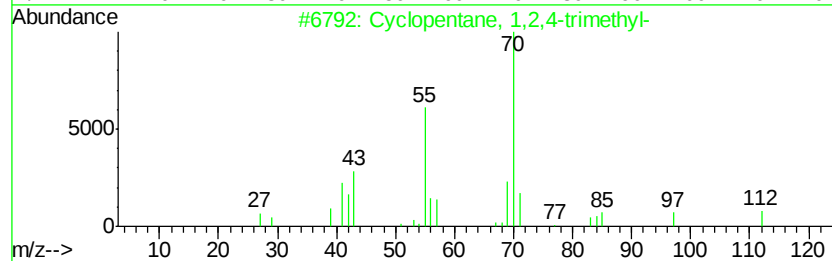
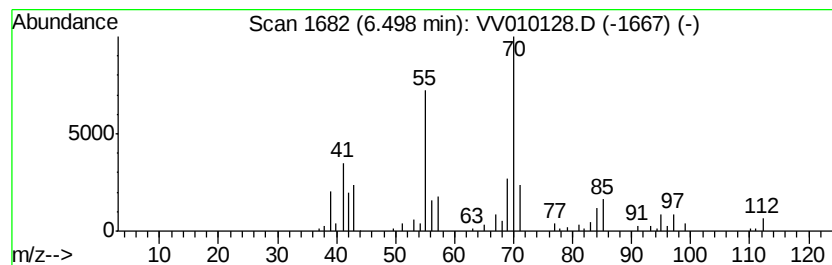
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Cyclic6.50 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	4.28 ug/L	109875	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	68
3		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	64
4		2-Decene, 3-methyl-, (Z)-	154	C11H22	074630-26-5	64
5		Undecane, 3-methylene-	168	C12H24	071138-64-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

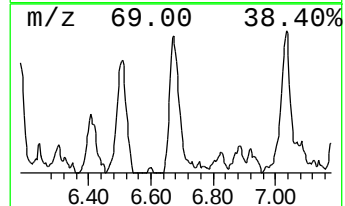
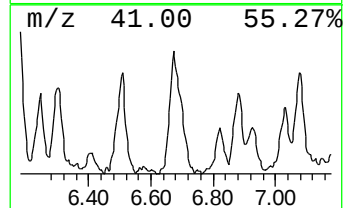
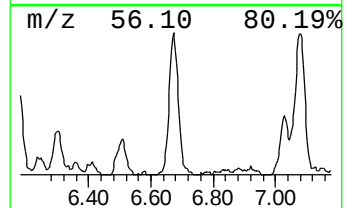
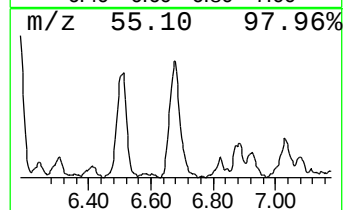
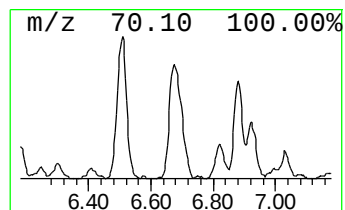
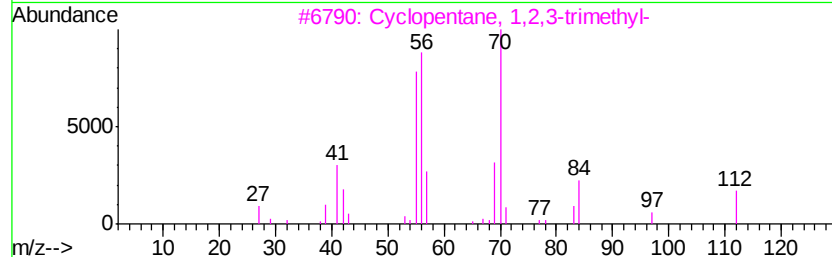
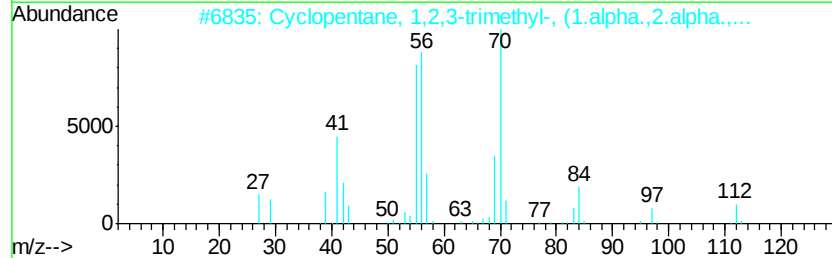
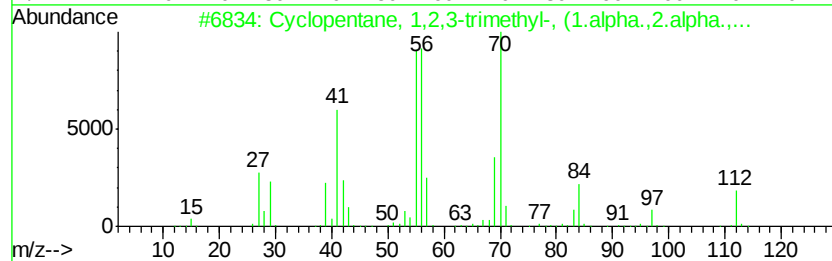
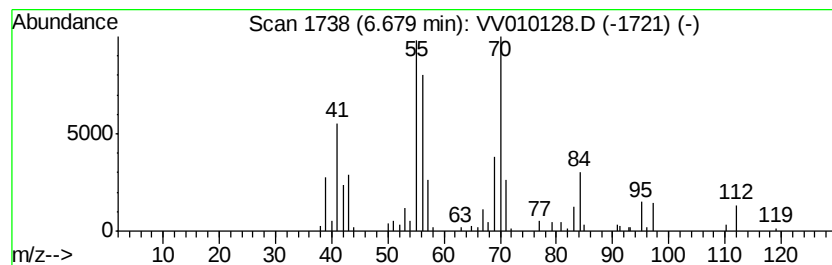
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic6.68 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	6.22 ug/L	159576	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	87
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	86
3		Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	80
4		1-Heptene, 3-methyl-	112	C8H16	004810-09-7	74
5		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

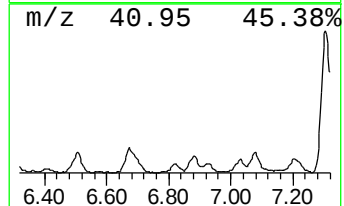
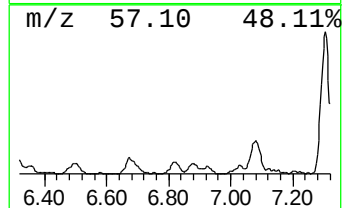
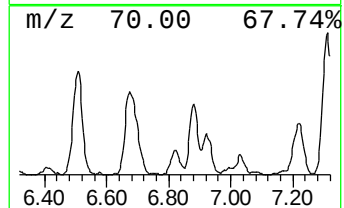
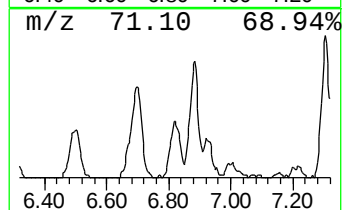
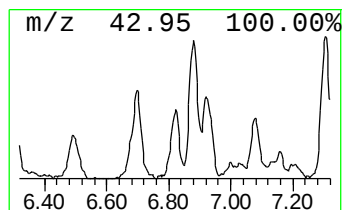
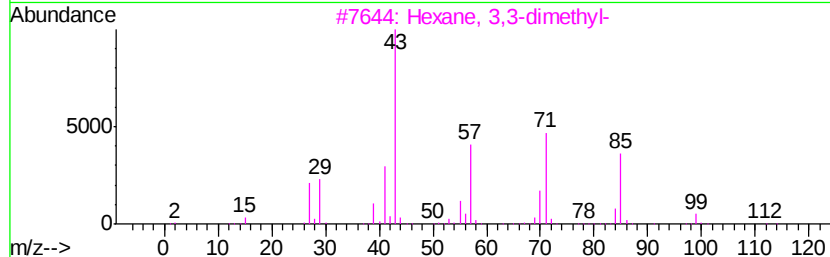
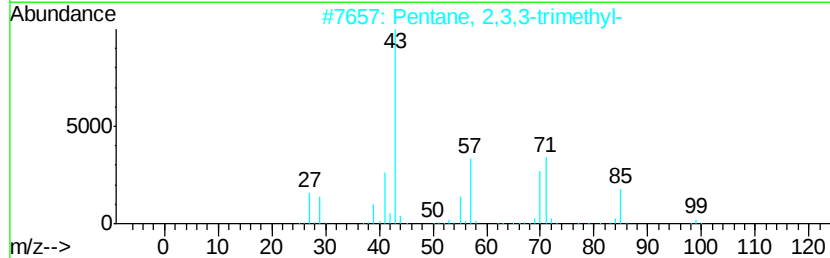
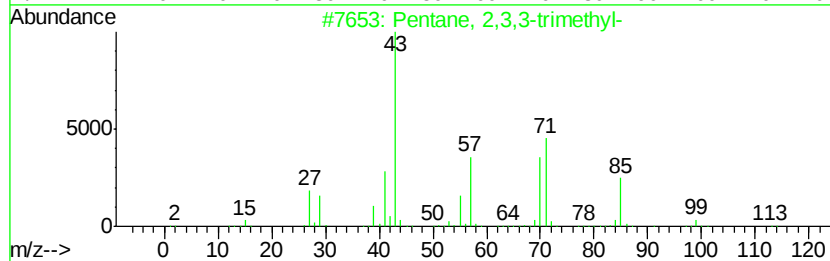
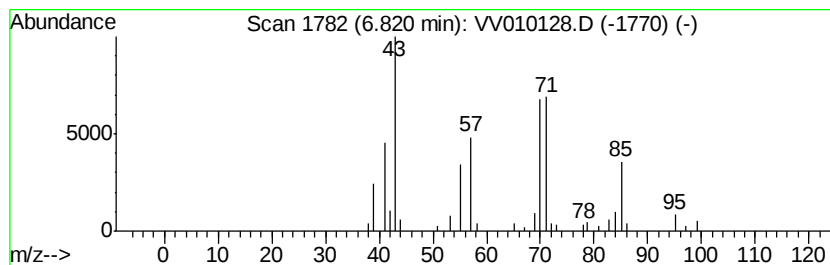
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	1.65 ug/L	42273	1,4-Difluorobenzene	5.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	50
3		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
4		Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	47
5		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

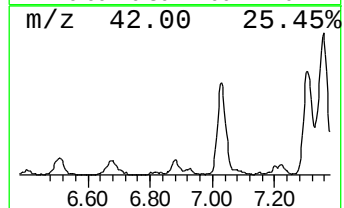
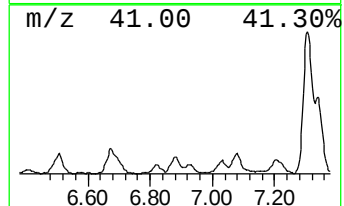
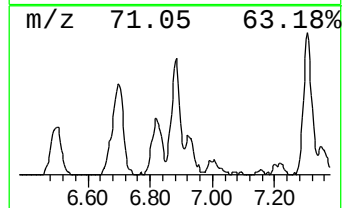
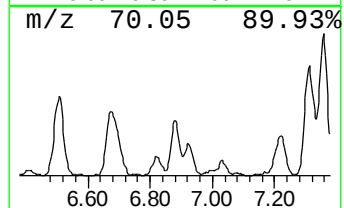
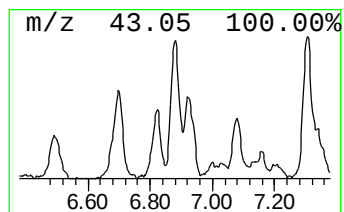
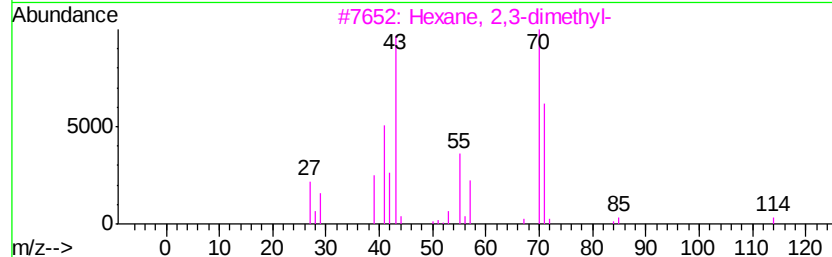
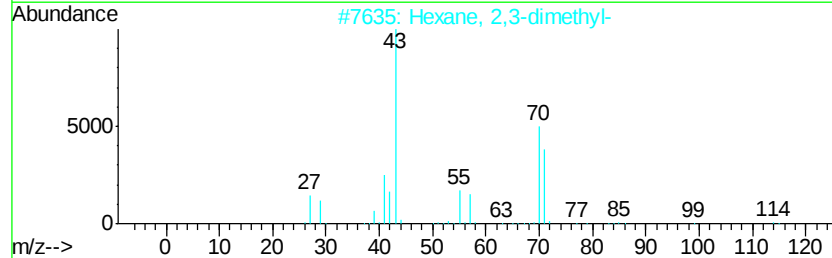
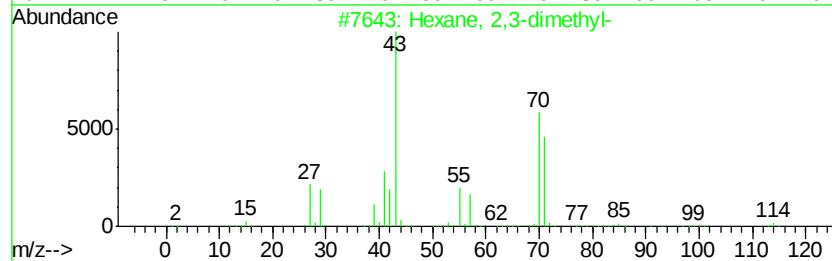
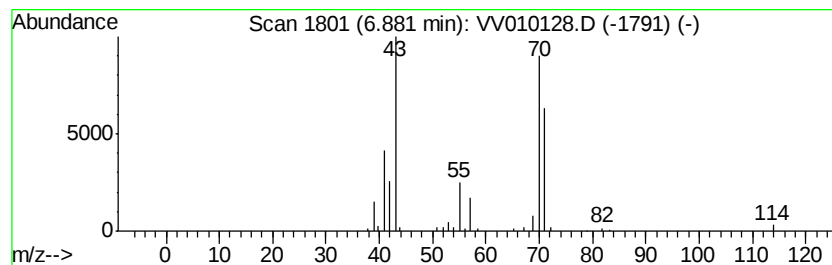
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	2.56 ug/L	65760	1,4-Difluorobenzene	5.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-		114	C8H18	000584-94-1	59
2	Hexane, 2,3-dimethyl-		114	C8H18	000584-94-1	56
3	Hexane, 2,3-dimethyl-		114	C8H18	000584-94-1	56
4	Pentane, 3-ethyl-2-methyl-		114	C8H18	000609-26-7	53
5	Pentane, 3-ethyl-2-methyl-		114	C8H18	000609-26-7	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

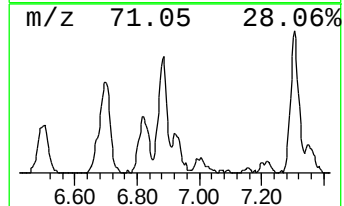
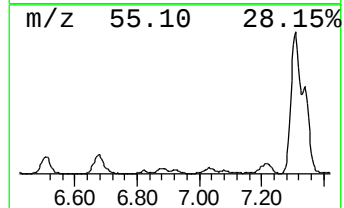
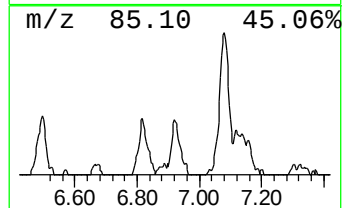
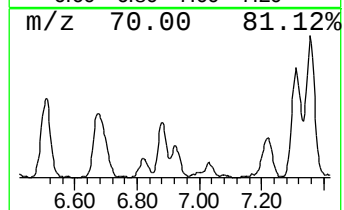
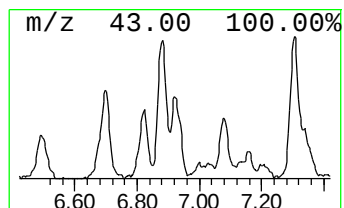
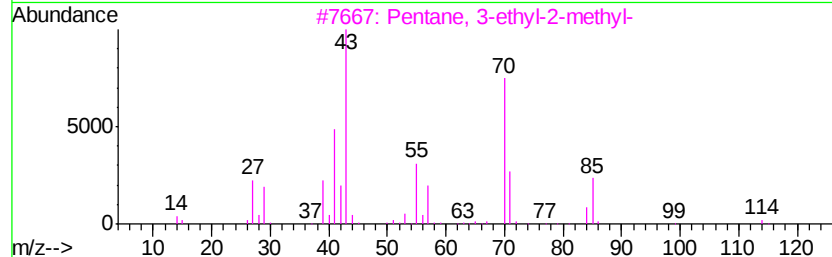
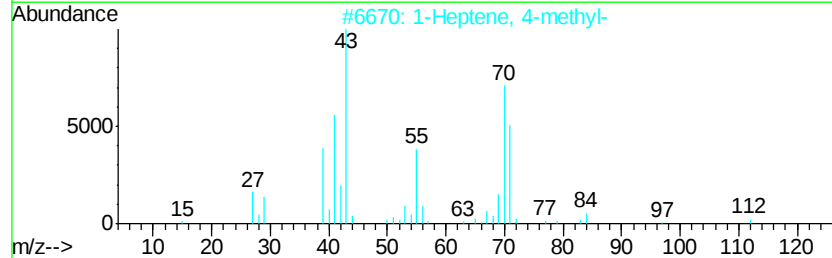
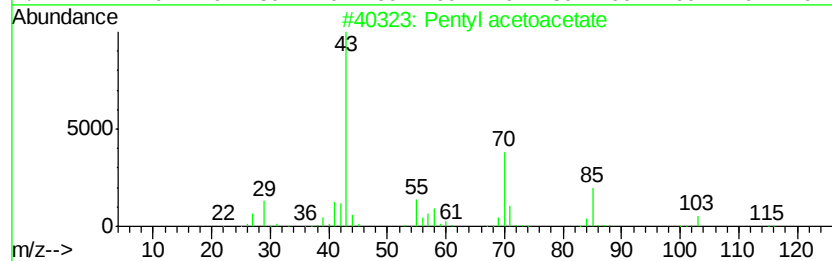
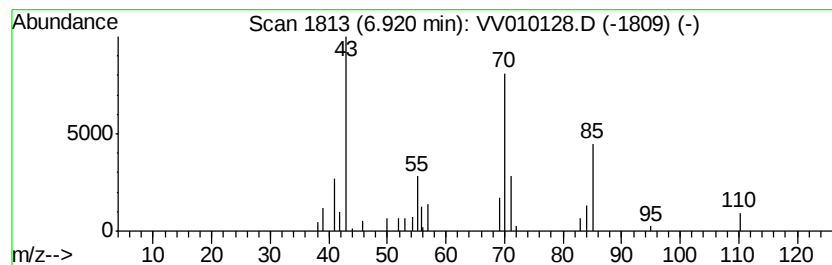
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Quant Title : VOC Analysis

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

Peak Number 7 Pentyl acetoacetate Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	1.53 ug/L	39154	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentyl acetoacetate	172	C9H16O3	006624-84-6	78
2		1-Heptene, 4-methyl-	112	C8H16	013151-05-8	43
3		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	42
4		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	38
5		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

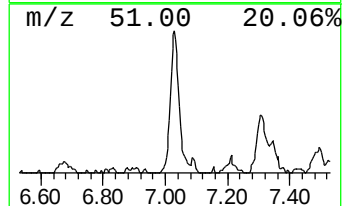
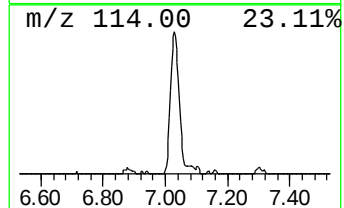
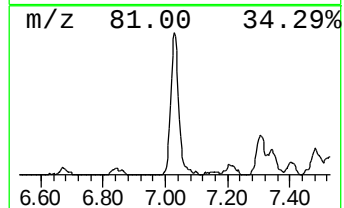
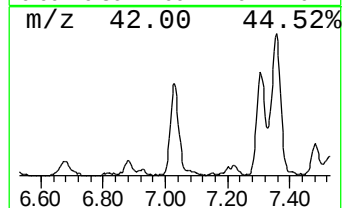
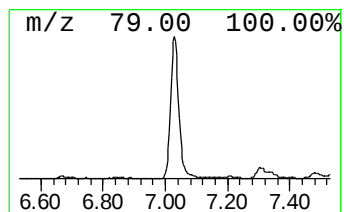
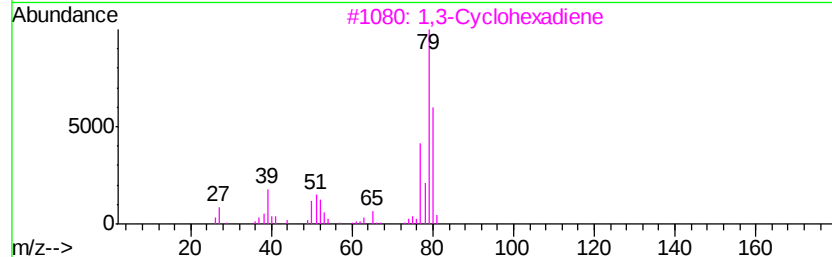
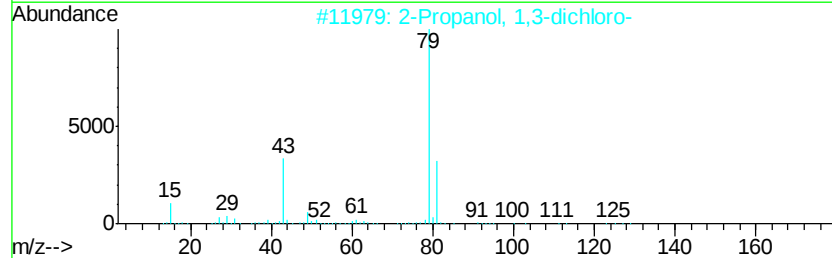
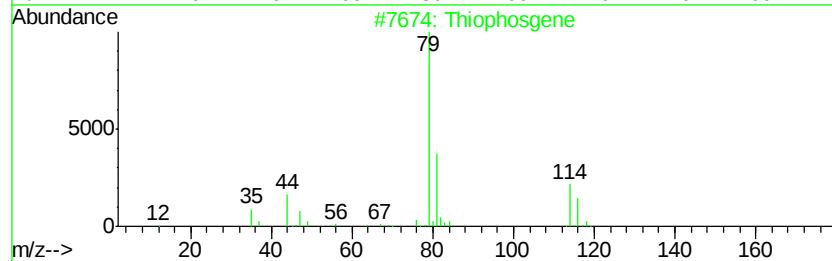
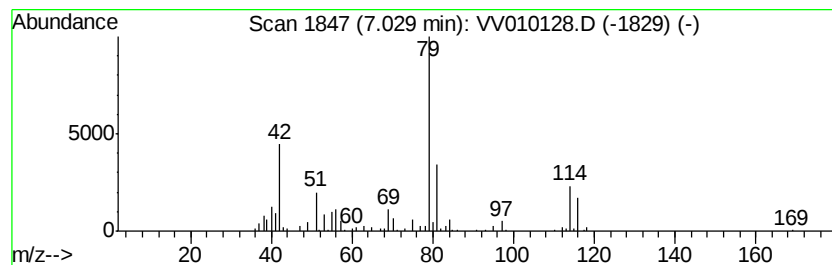
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Quant Title : VOC Analysis

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

Peak Number 8 unknown-01 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	8.76 ug/L	224789	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophosgene	114	CCl2S	000463-71-8	47
2		2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	35
3		1,3-Cyclohexadiene	80	C6H8	000592-57-4	32
4		1,3-Cyclohexadiene	80	C6H8	000592-57-4	32
5		Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	23



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

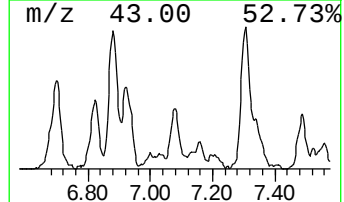
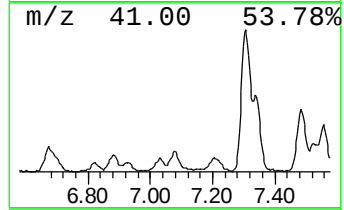
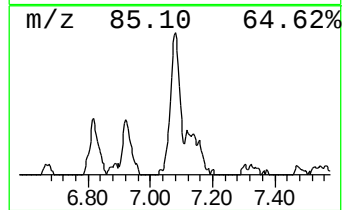
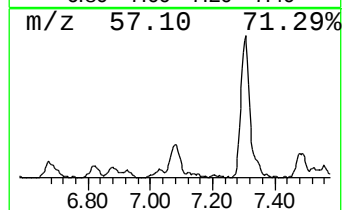
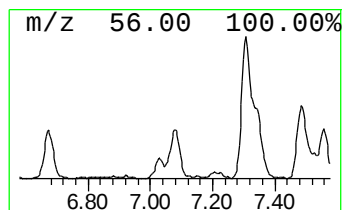
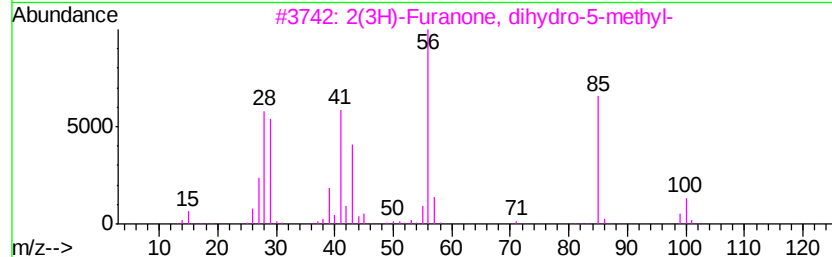
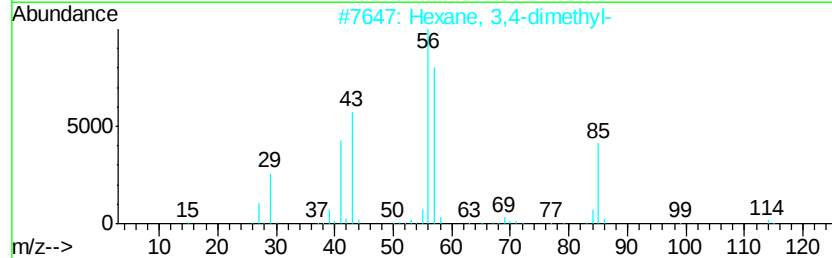
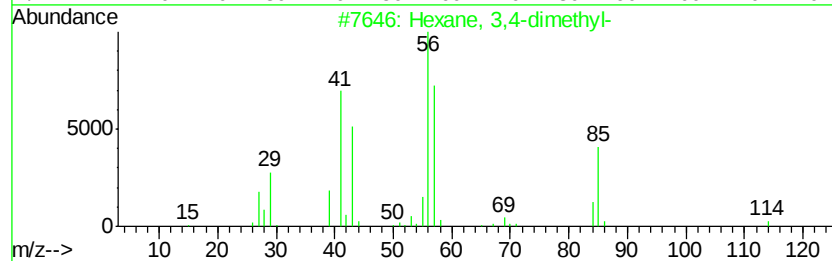
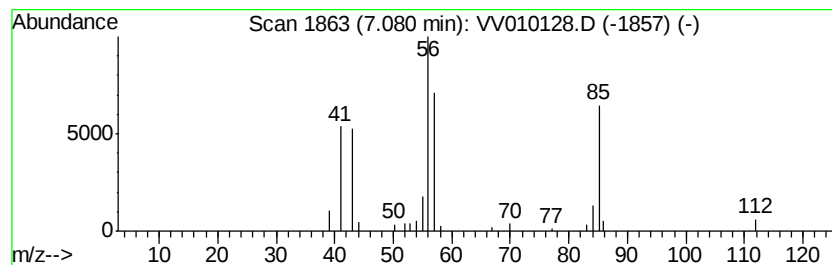
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	2.16 ug/L	55487	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	56
3		2(3H)-Furanone, dihydro-5-methyl-	100	C5H8O2	000108-29-2	50
4		Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	002144-41-4	50
5		Cyclopentane, methyl-	84	C6H12	000096-37-7	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

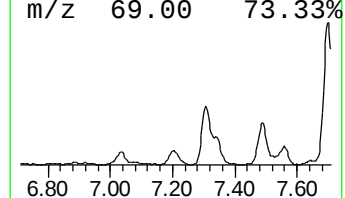
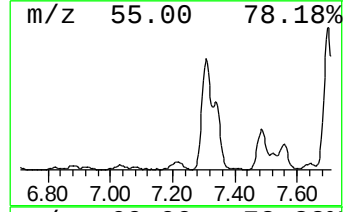
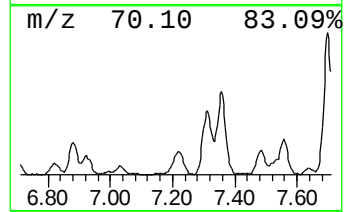
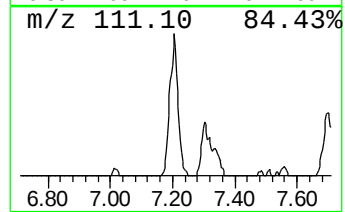
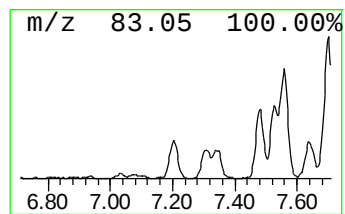
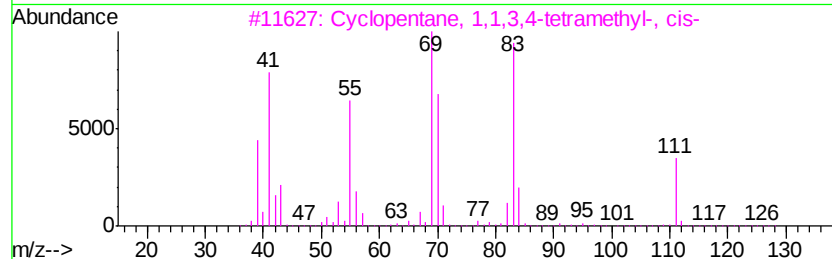
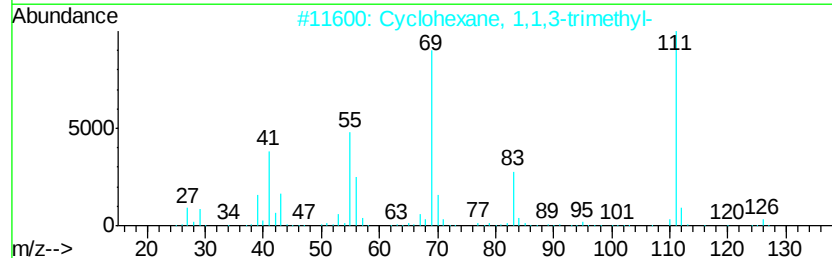
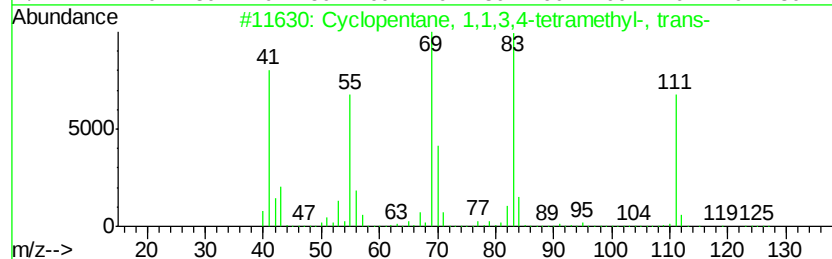
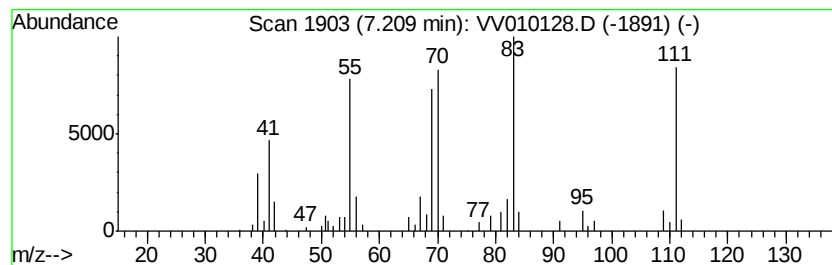
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	3.68 ug/L	94515	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	43
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	38
3			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	35
4			Phosphonic acid, ethyl hexyl ester	194	C8H19O3P	001656-73-1	35
5			2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

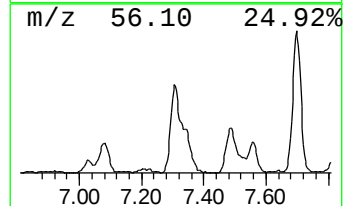
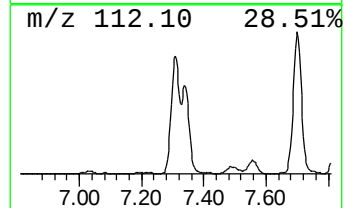
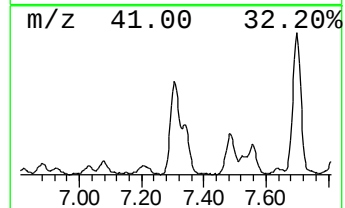
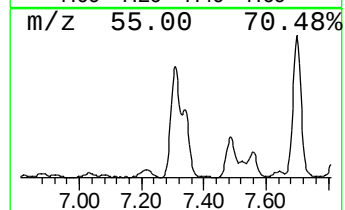
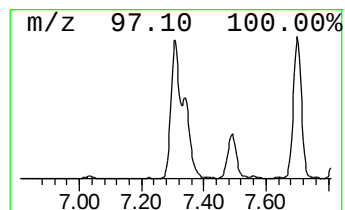
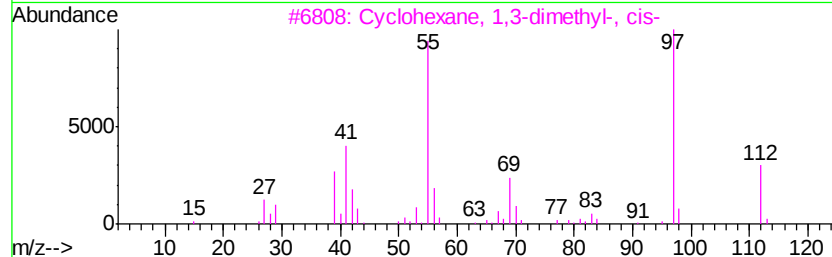
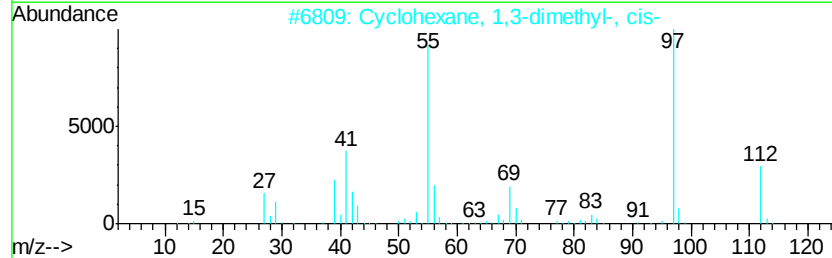
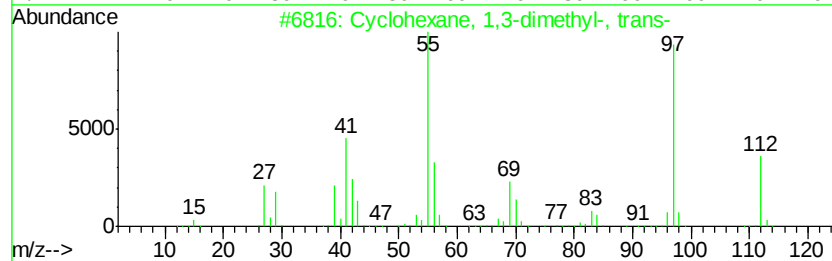
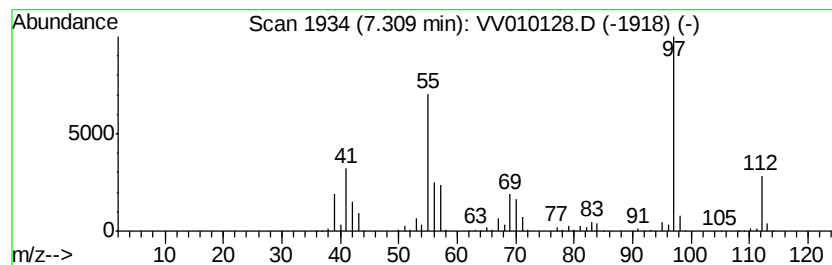
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic7.31 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	20.00 ug/L	782506	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
3		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
4		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

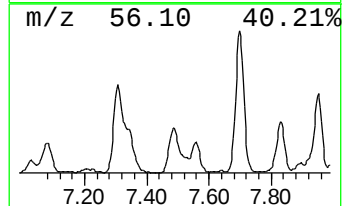
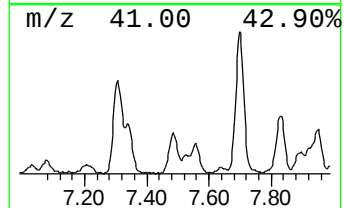
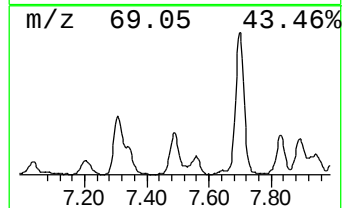
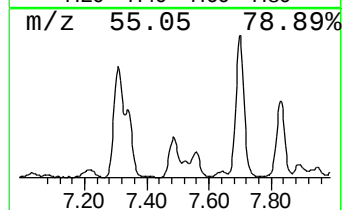
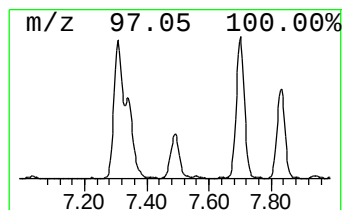
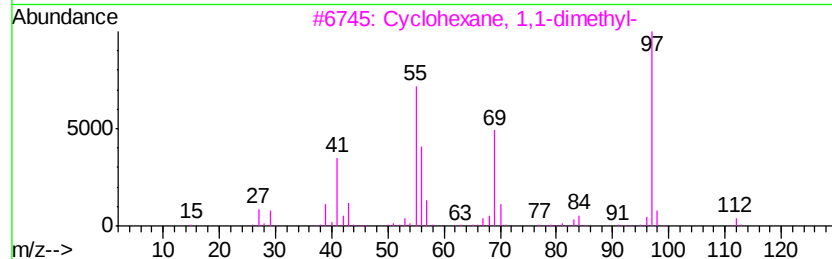
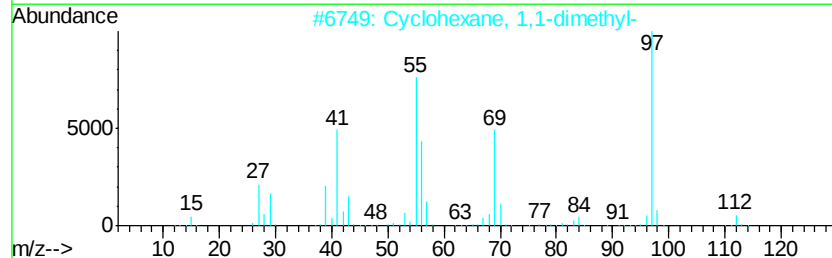
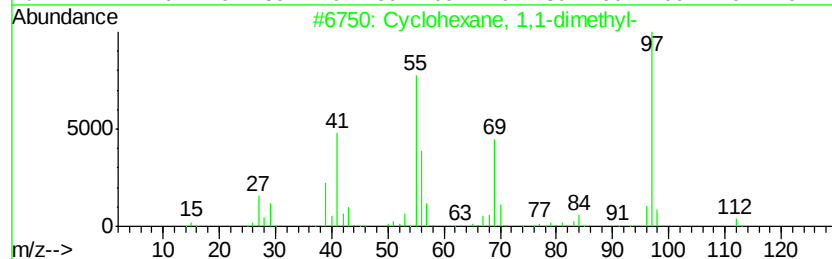
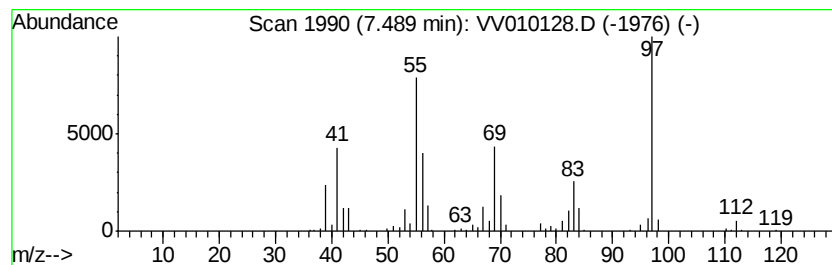
Instrument :
MSVOA_V
ClientSampleId :
BF5J3

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 54

R.T.	EstConc	Area	Relative to ISTD	R.T.		
7.49	7.87 ug/L	307986	Chlorobenzene-d5	8.90		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	68
2		Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	68
3		Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
4		Cvcloheptane, methyl-	112	C8H16	004126-78-7	64
5		1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1000338-28-2	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

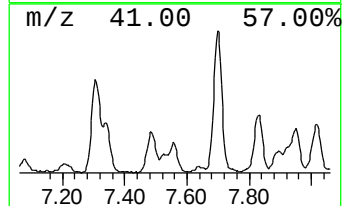
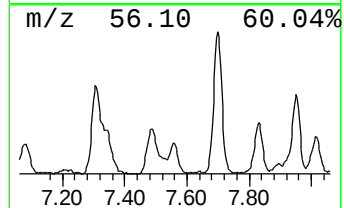
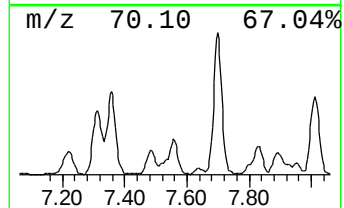
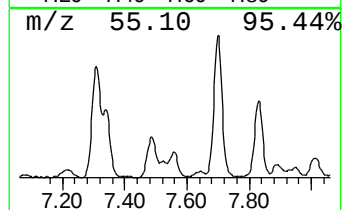
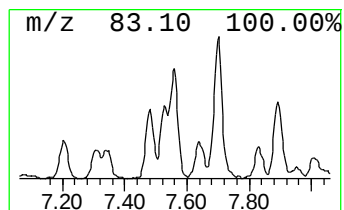
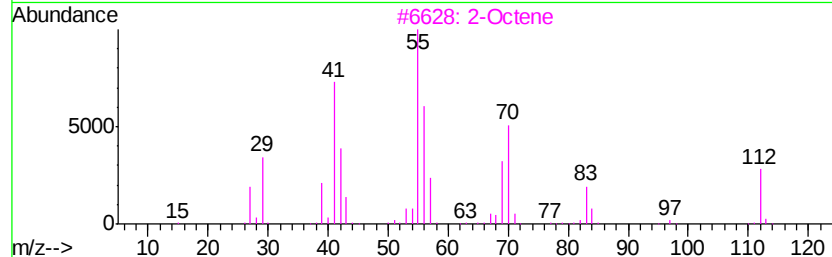
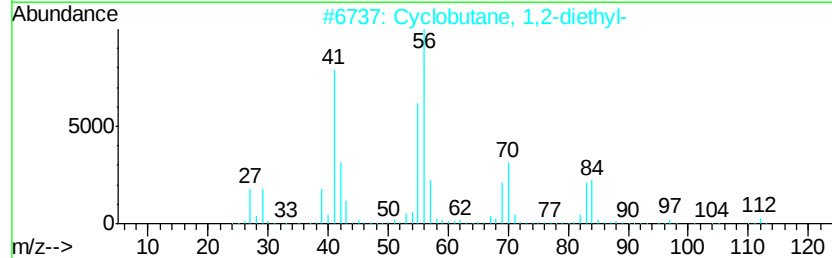
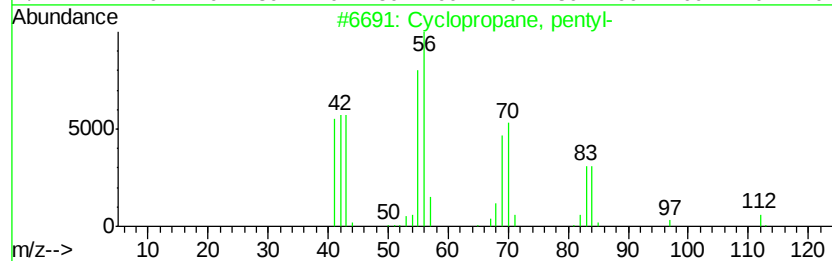
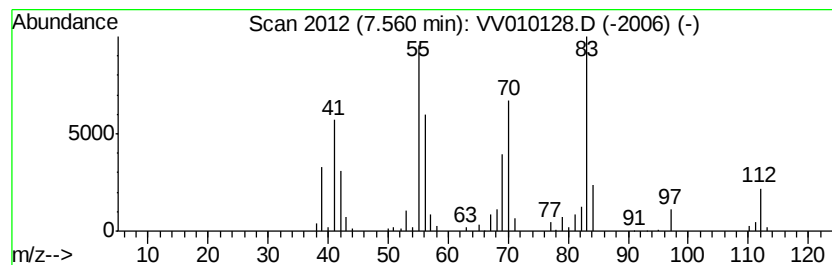
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Cyclic7.56 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	4.58 ug/L	179416	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, pentyl-	112	C8H16	002511-91-3	58
2		Cyclobutane, 1,2-diethyl-	112	C8H16	061141-83-1	58
3		2-Octene	112	C8H16	000111-67-1	49
4		Cyclooctane	112	C8H16	000292-64-8	49
5		2-Octene, (Z)-	112	C8H16	007642-04-8	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

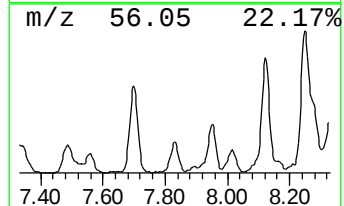
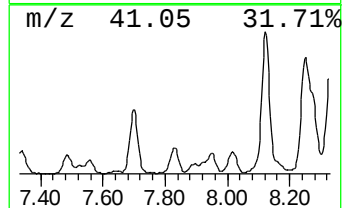
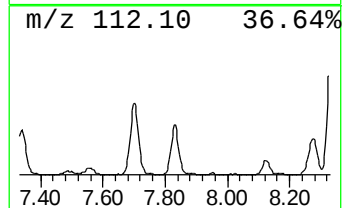
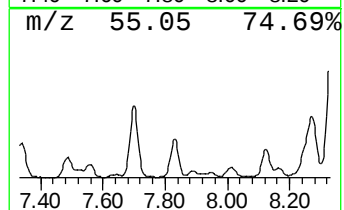
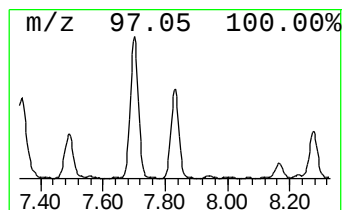
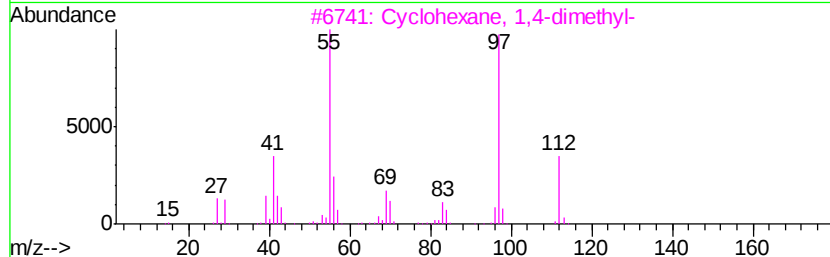
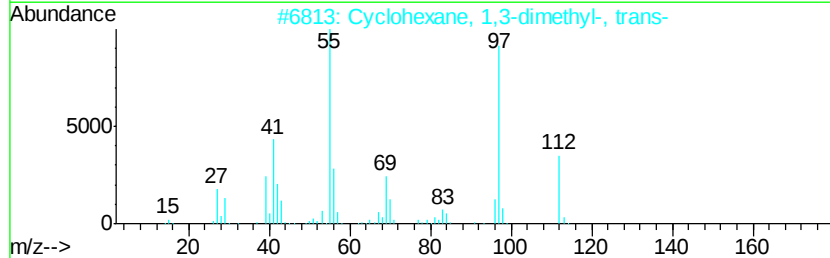
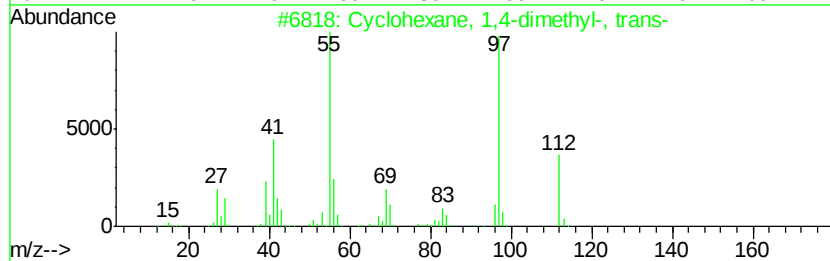
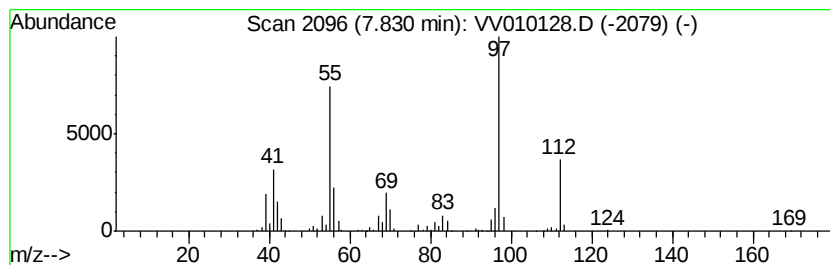
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic7.83 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	12.28 ug/L	480687	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
3		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
5		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

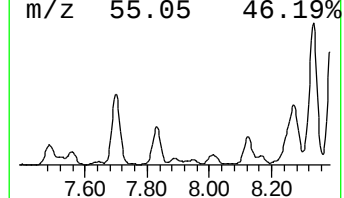
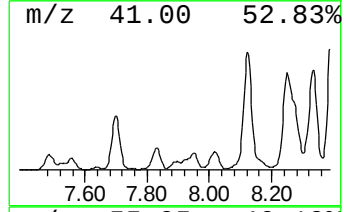
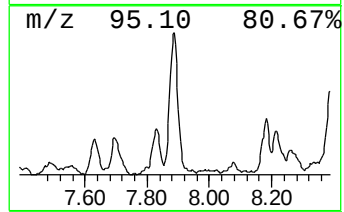
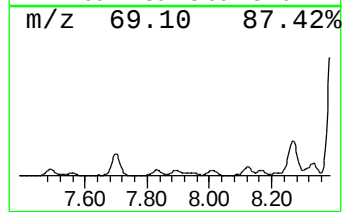
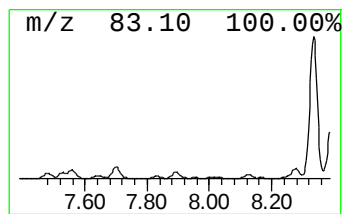
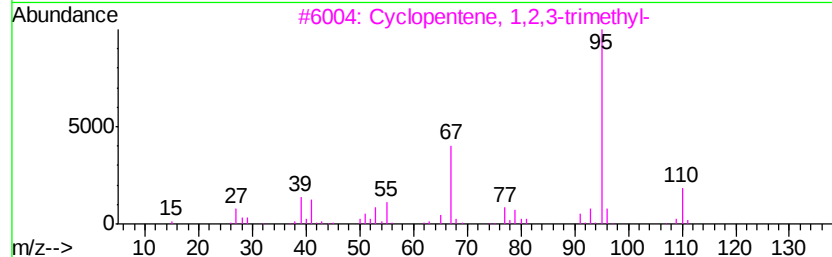
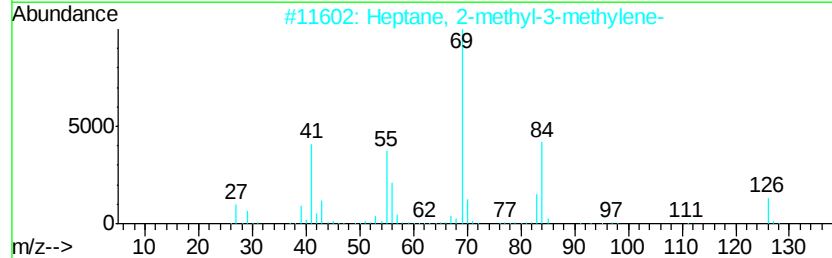
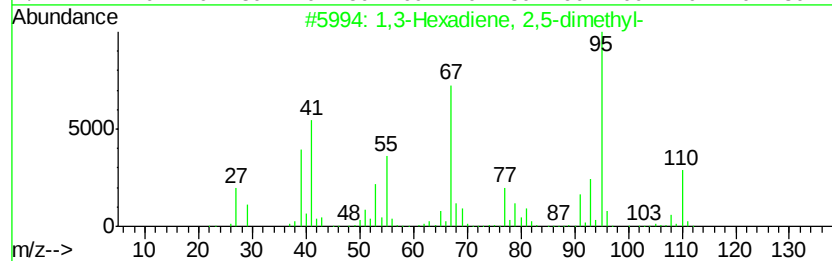
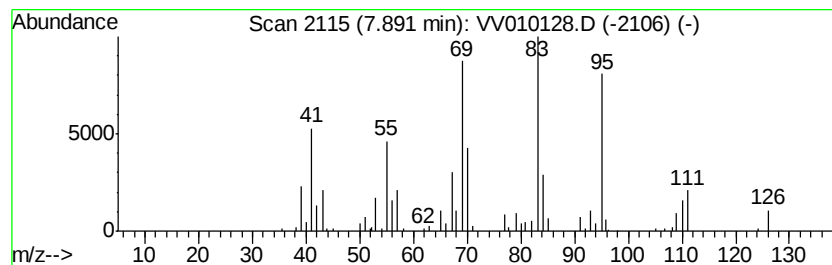
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Quant Title : VOC Analysis

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

Peak Number 15 unknown-02 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	3.43 ug/L	134156	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Hexadiene, 2,5-dimethyl-	110	C8H14	029253-64-3	25
2			Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	22
3			Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	20
4			Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	18
5			1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

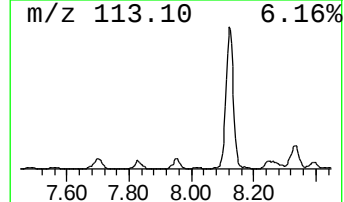
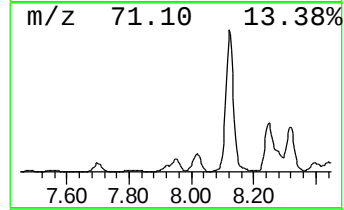
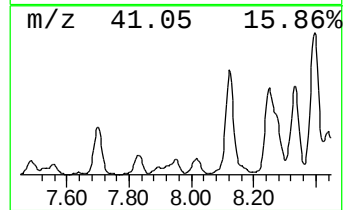
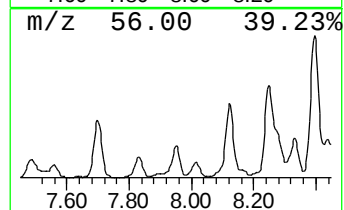
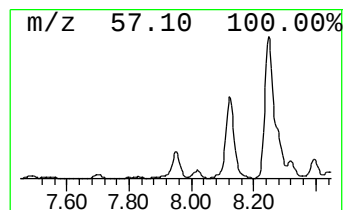
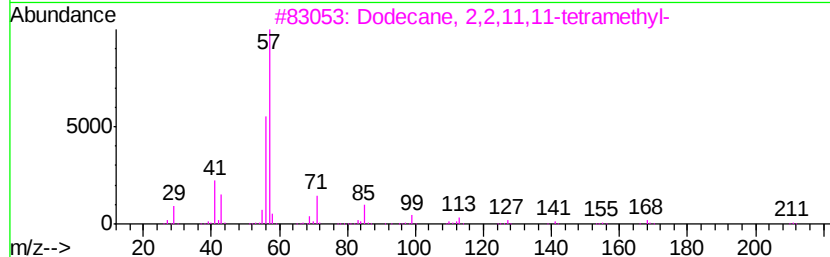
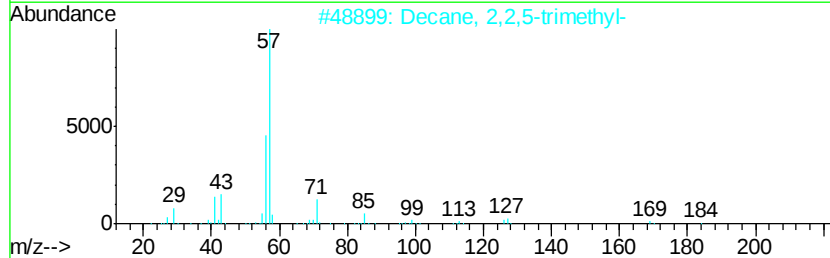
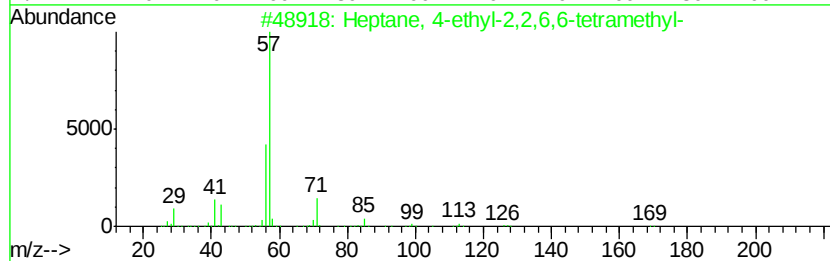
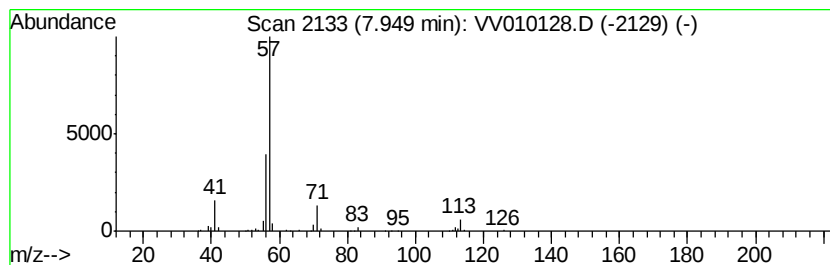
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	4.54 ug/L	177634	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 4-ethyl-2,2,6,6-tetrame...	184	C13H28	062108-31-0	78
2			Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	72
3			Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	72
4			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	56
5			Decane, 2,2,4-trimethyl-	184	C13H28	062237-98-3	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

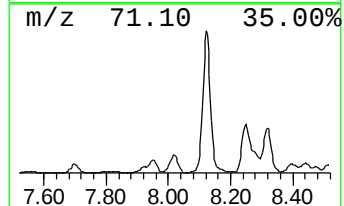
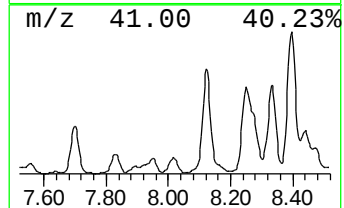
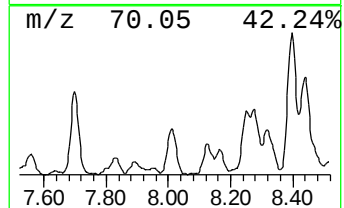
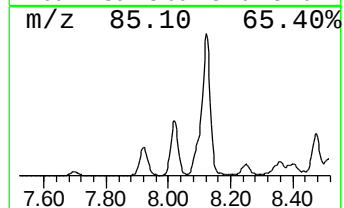
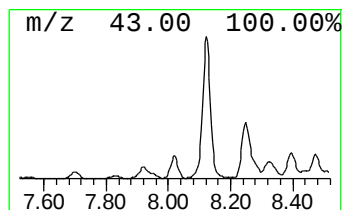
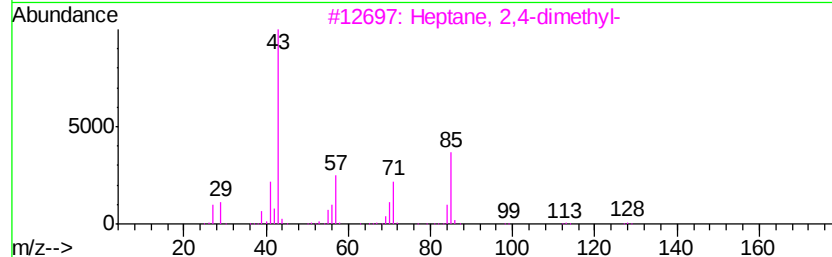
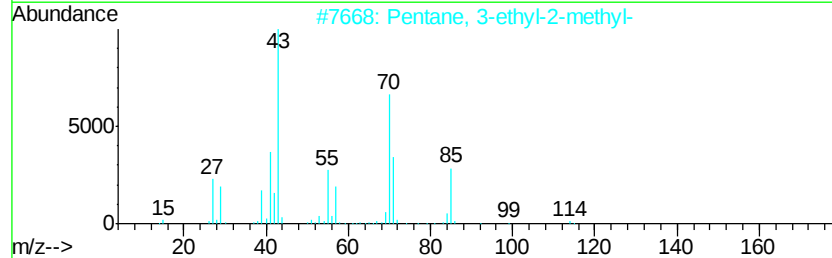
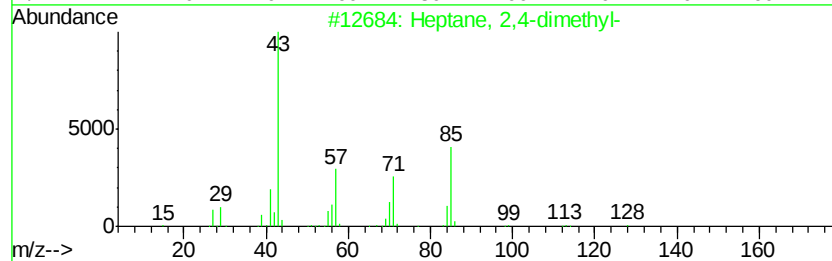
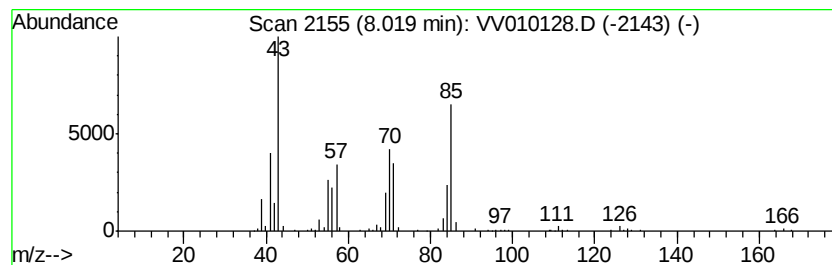
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	8.20 ug/L	321035	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
2		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
4		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
5		Oxalic acid, hexyl isoheptyl ester	258	C14H26O4	1000309-33-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BF5J3

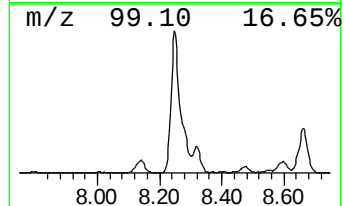
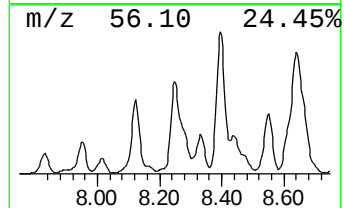
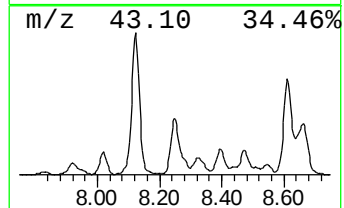
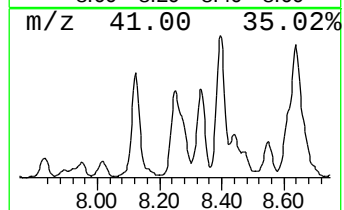
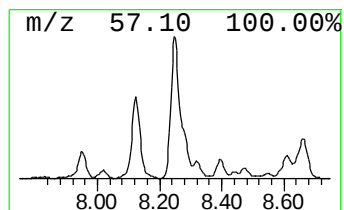
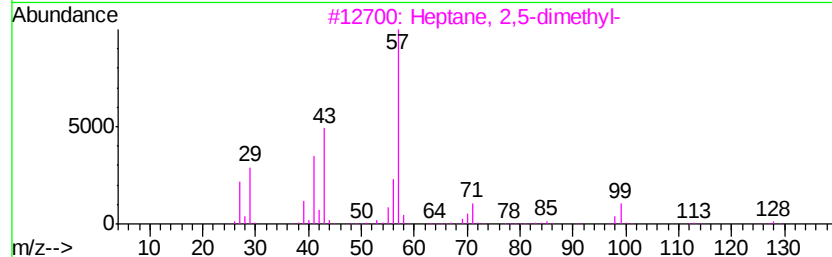
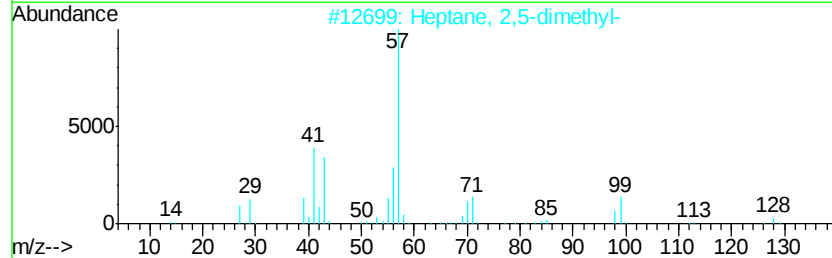
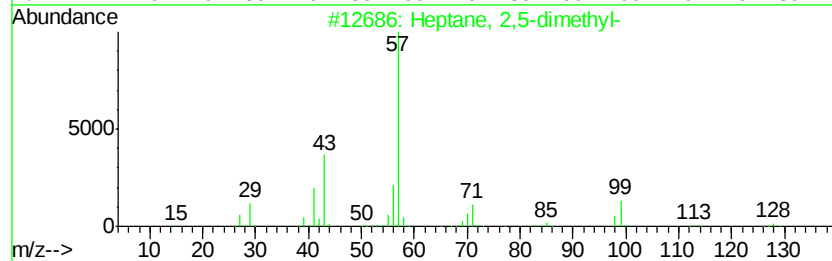
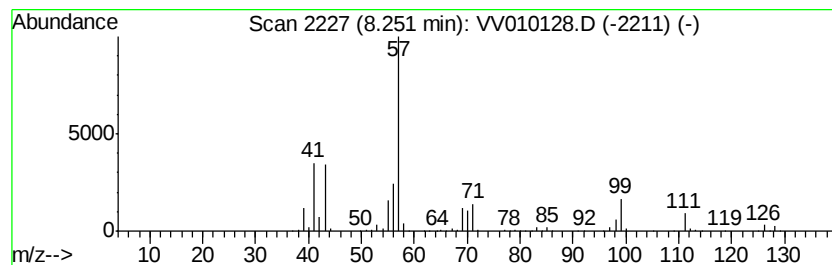
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	57.86 ug/L	2264040	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
4		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	62
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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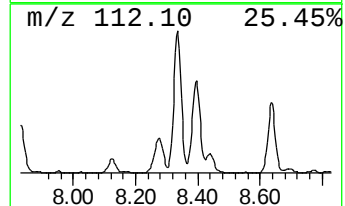
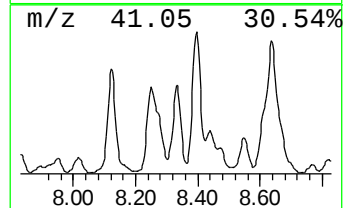
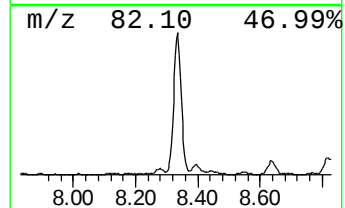
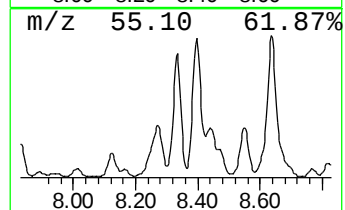
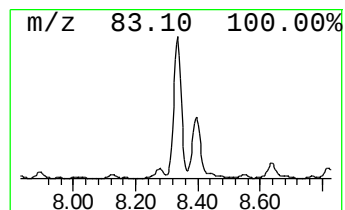
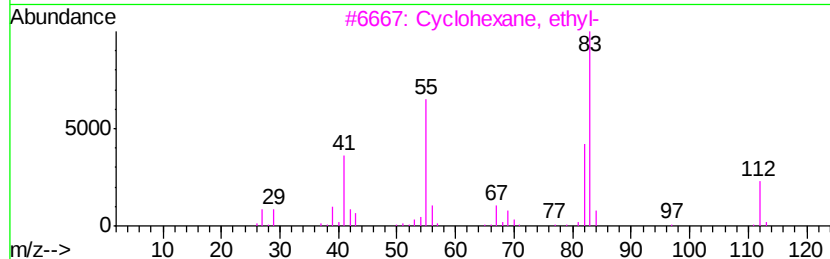
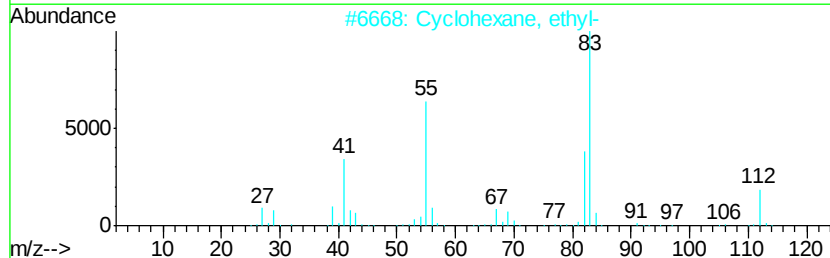
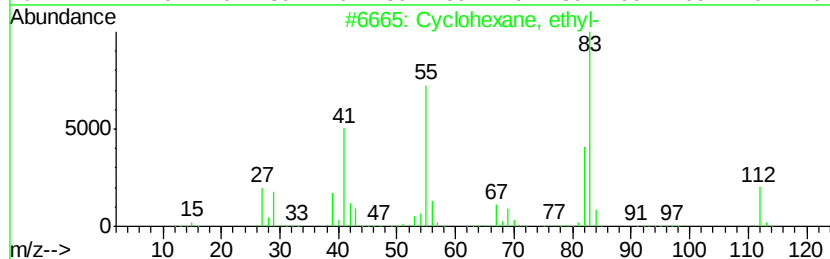
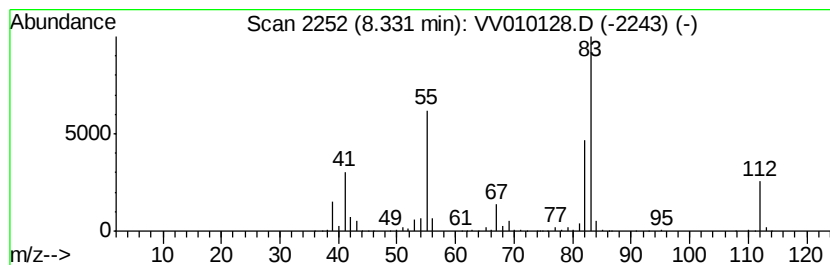
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic8.33 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	38.04 ug/L	1488540	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3			Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	68
5			3-Ethyl-2-hexene	112	C8H16	000620-00-8	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

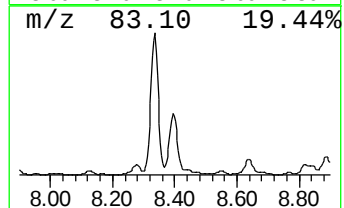
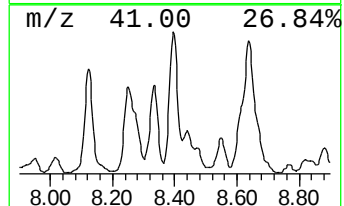
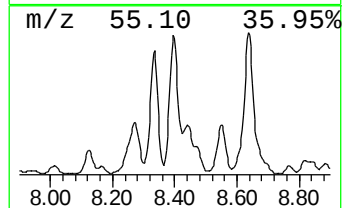
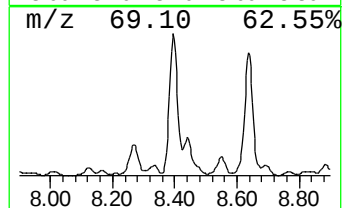
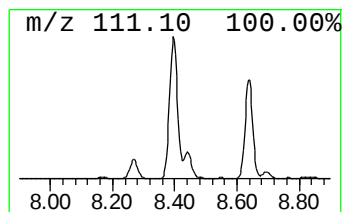
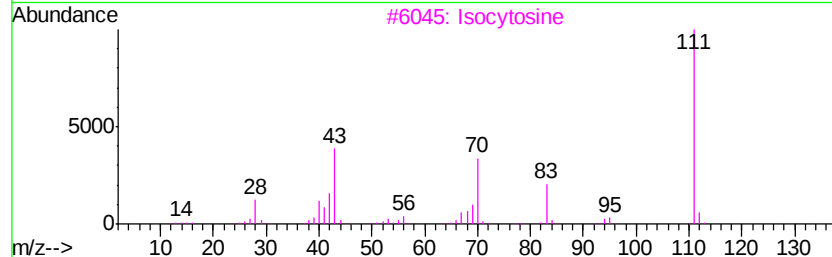
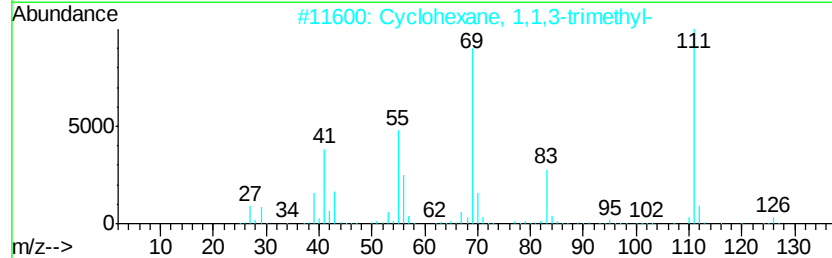
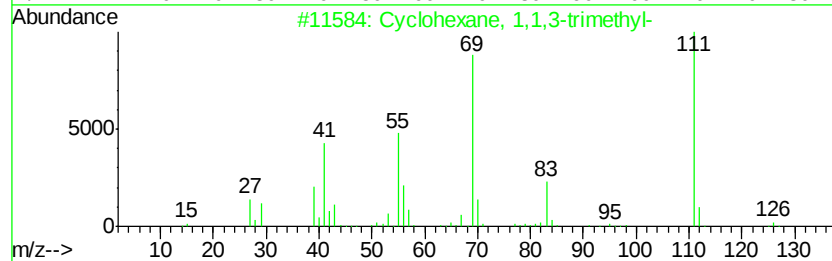
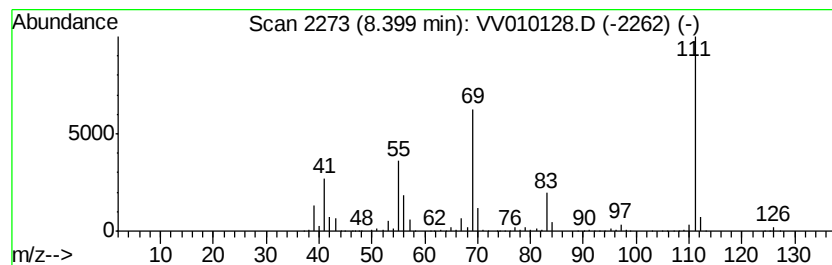
Instrument :
MSVOA_V
ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic8.40 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.40	80.55 ug/L	3151920	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		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
3		Isocvtosine	111	C4H5N3O	000108-53-2	72
4		Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
5		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

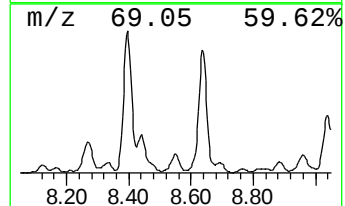
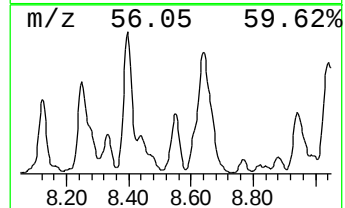
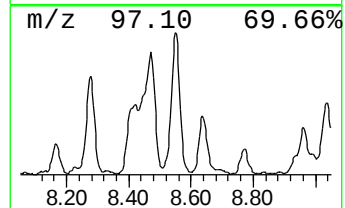
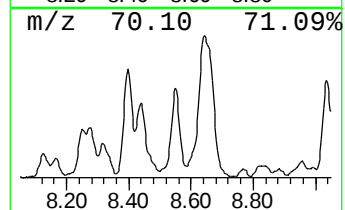
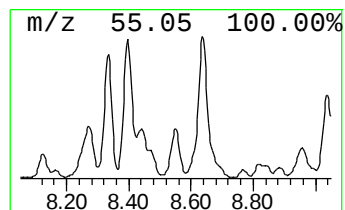
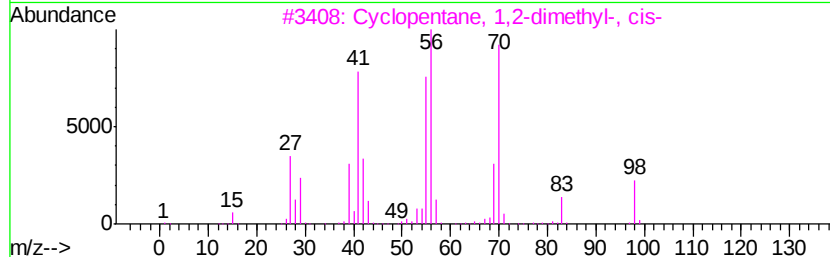
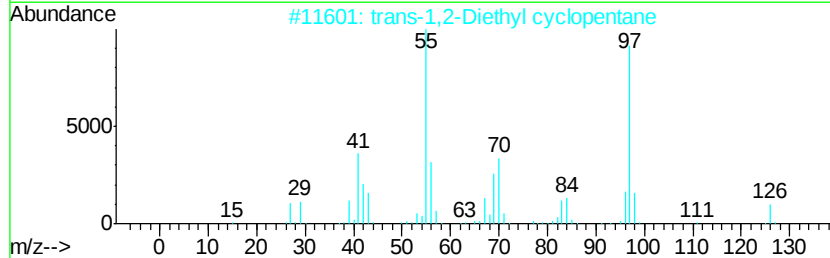
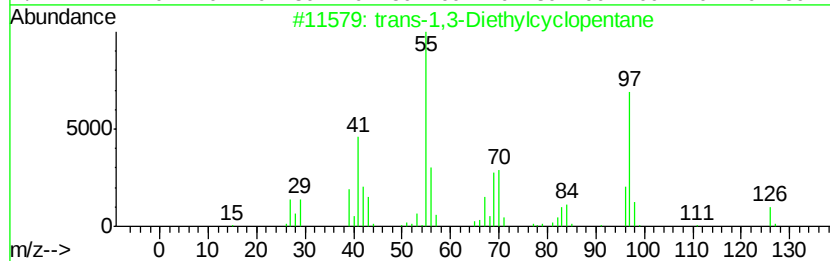
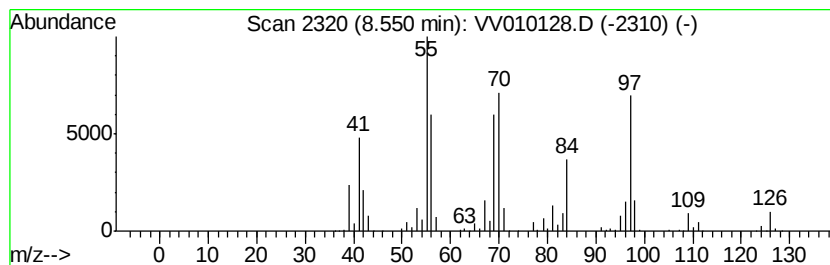
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Quant Title : VOC Analysis

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	17.27 ug/L	675963	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	62
2		trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	58
3		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	55
4		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	55
5		cis-3-Nonene	126	C9H18	020237-46-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

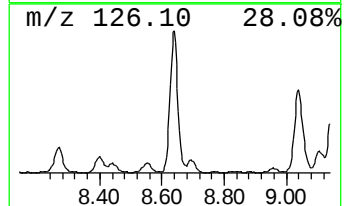
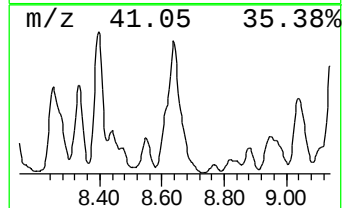
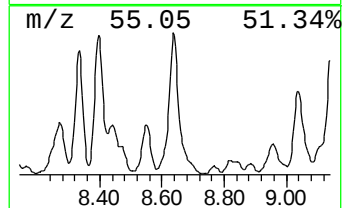
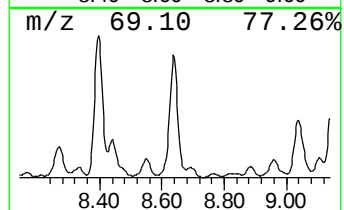
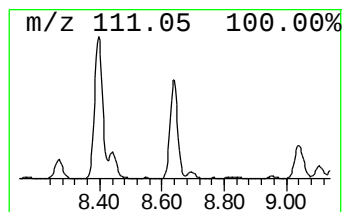
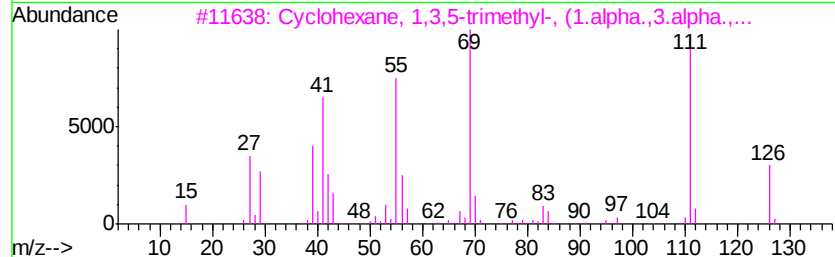
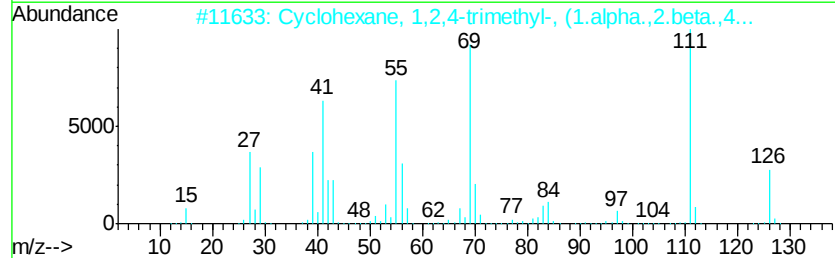
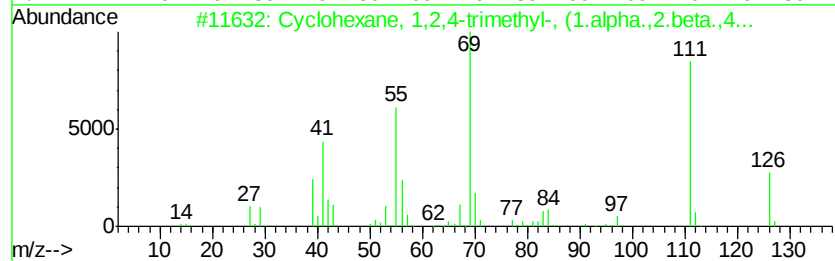
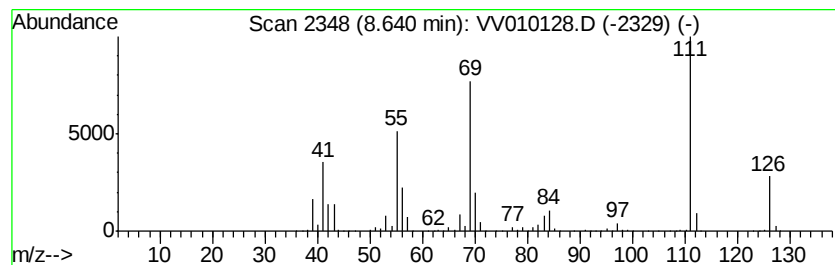
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic8.64 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	119.44 ug/L	4674020	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
4		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001839-63-0	83
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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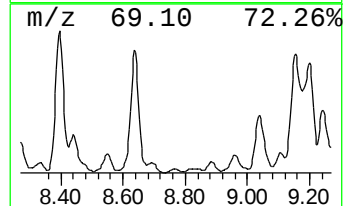
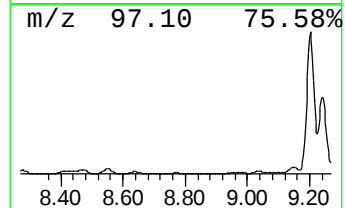
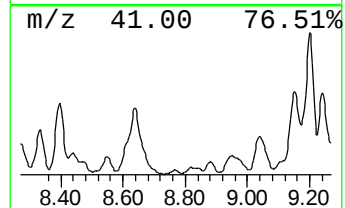
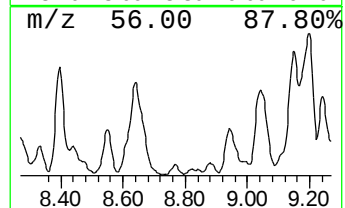
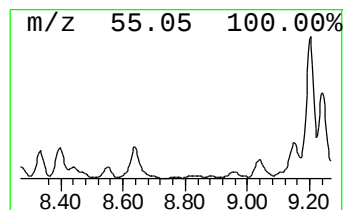
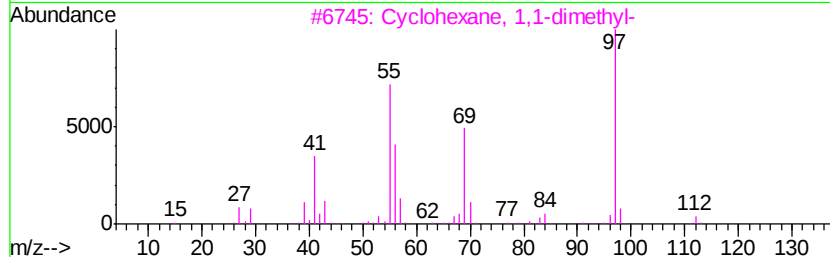
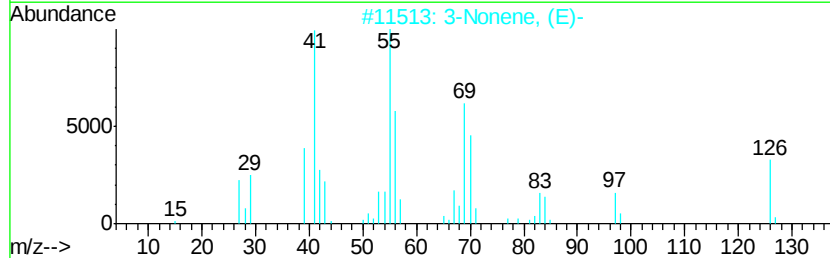
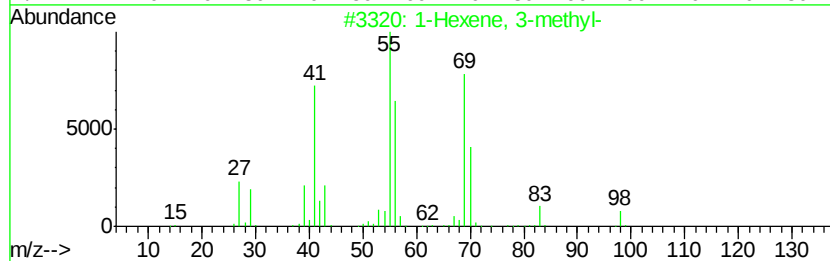
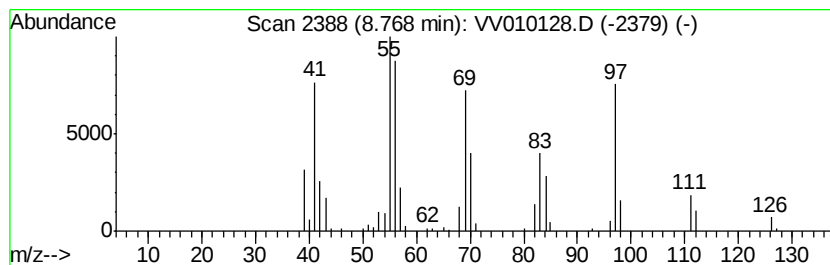
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Cyclic8.77 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	2.58 ug/L	100989	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	50
2			3-Nonene, (E)-	126	C9H18	020063-92-7	49
3			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49
4			1-Heptene, 6-methyl-	112	C8H16	005026-76-6	38
5			Cycloheptane, methyl-	112	C8H16	004126-78-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

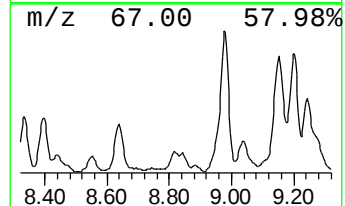
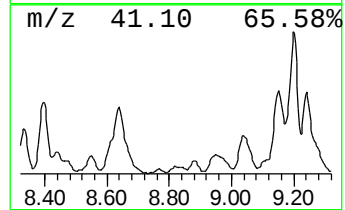
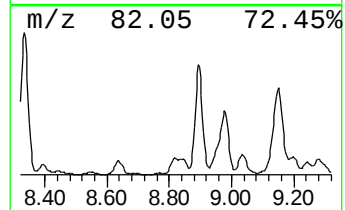
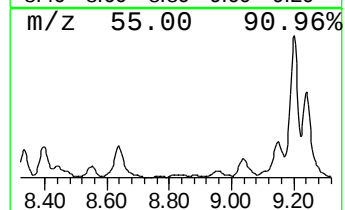
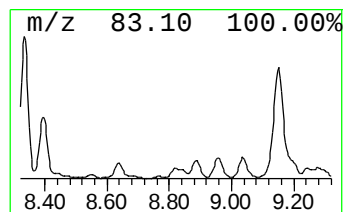
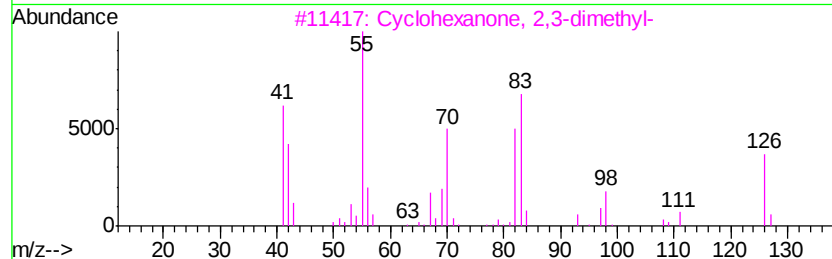
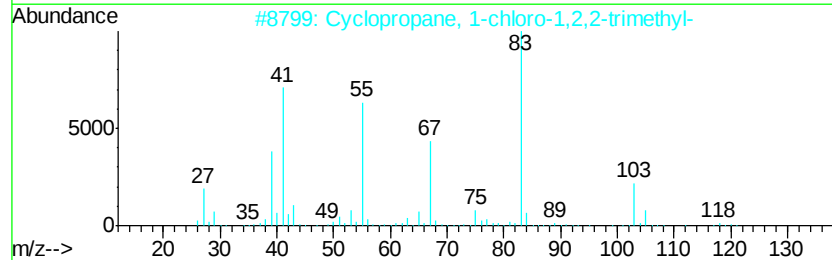
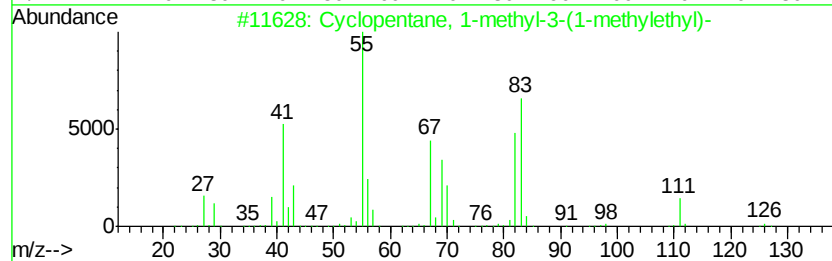
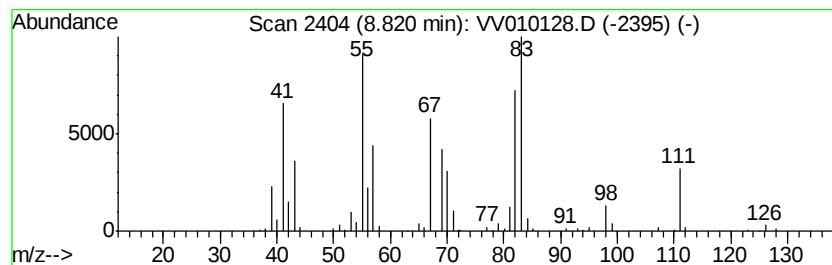
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic8.82 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	5.58 ug/L	218188	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	91
2			Cyclopropane, 1-chloro-1,2,2-tri...	118	C6H11Cl	021181-46-4	43
3			Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	43
4			1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	38
5			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BF5J3

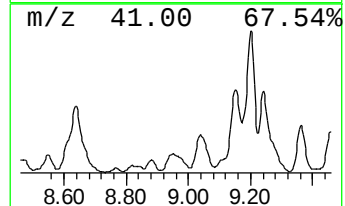
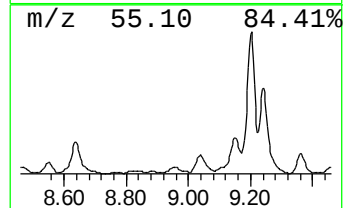
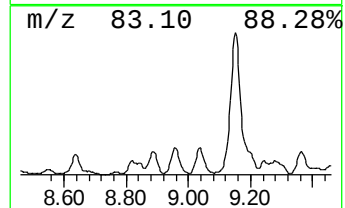
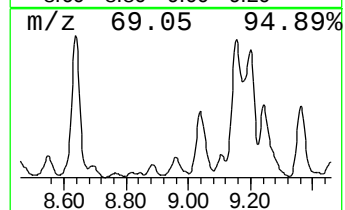
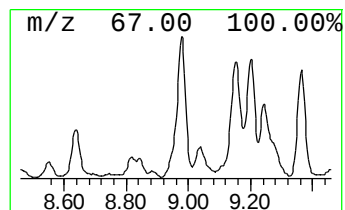
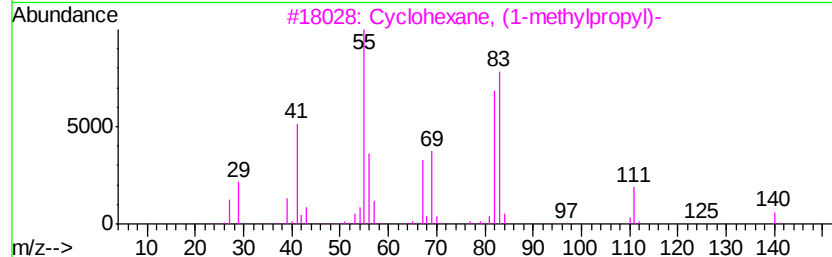
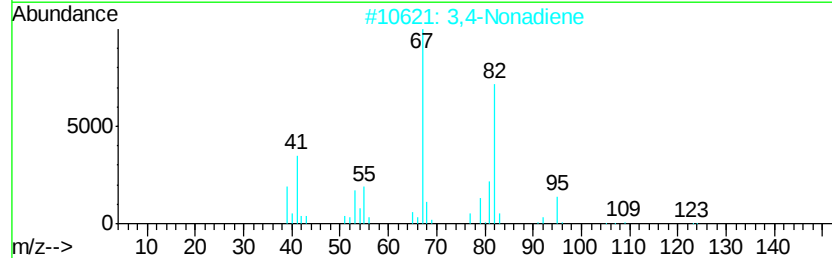
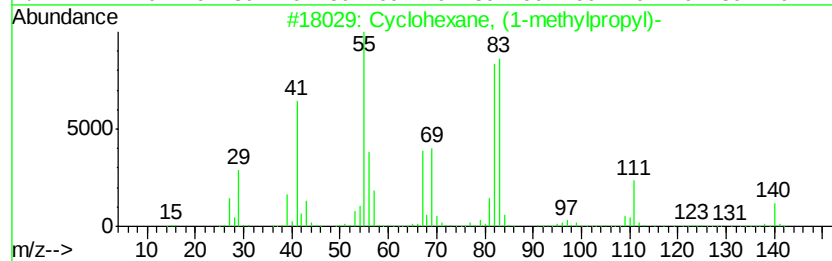
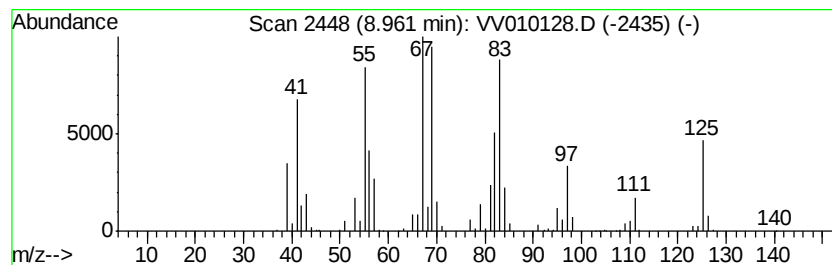
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Quant Title : VOC Analysis

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	29.87 ug/L	1168930	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	38
2		3,4-Nonadiene	124	C9H16	037050-03-6	38
3		Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	38
4		4-Methyl-2-pentyne	82	C6H10	021020-27-9	38
5		Cyclopentene, 1-butyl-	124	C9H16	002423-01-0	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

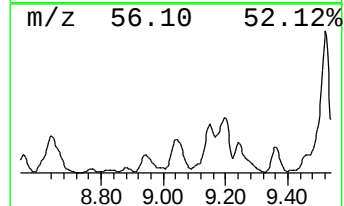
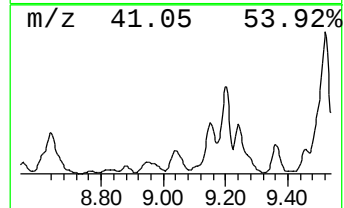
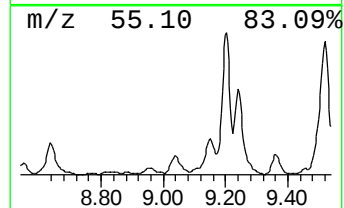
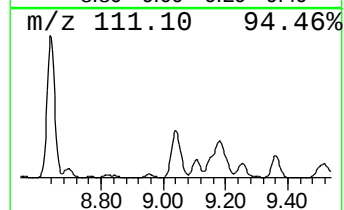
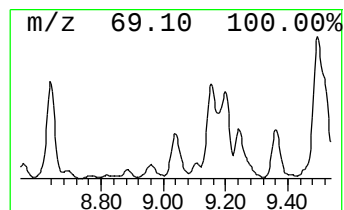
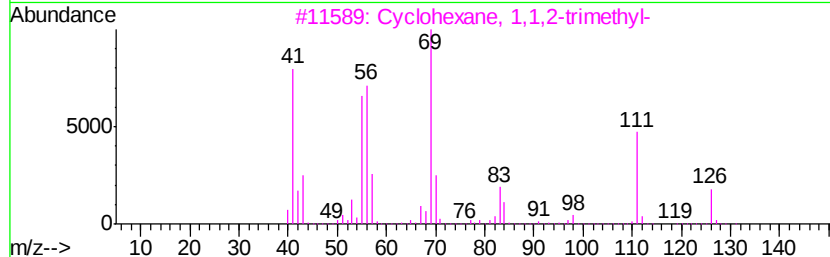
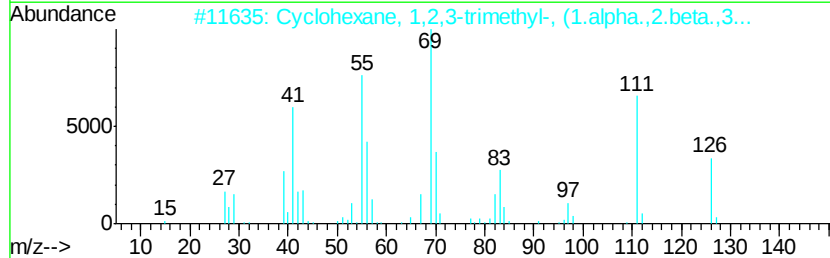
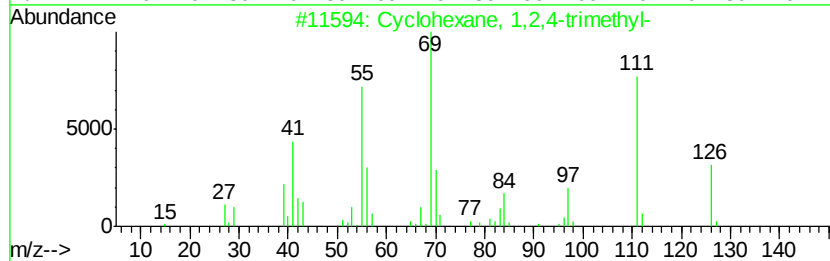
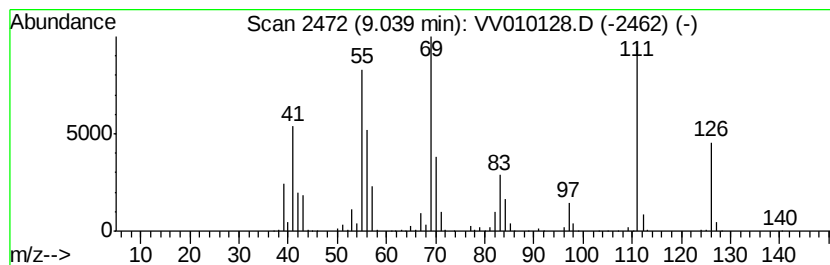
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Quant Title : VOC Analysis

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	49.15 ug/L	1923210	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
2			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	90
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	90
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
5			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

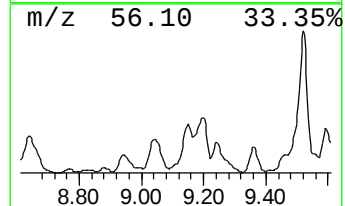
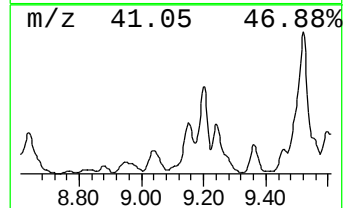
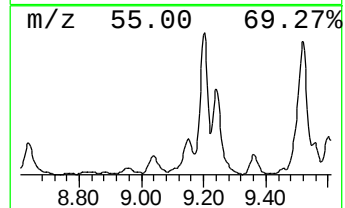
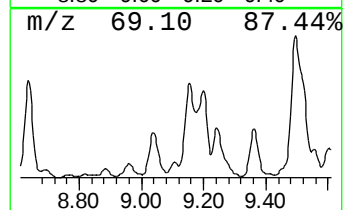
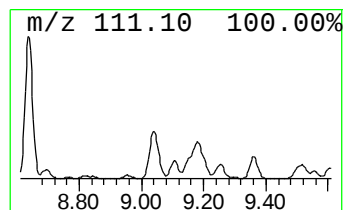
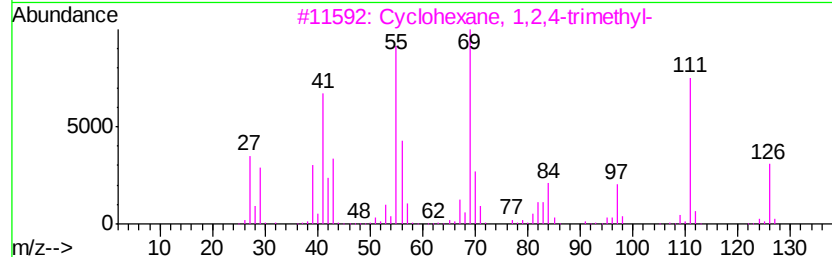
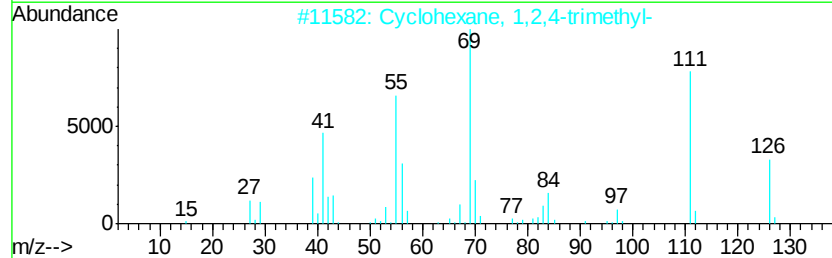
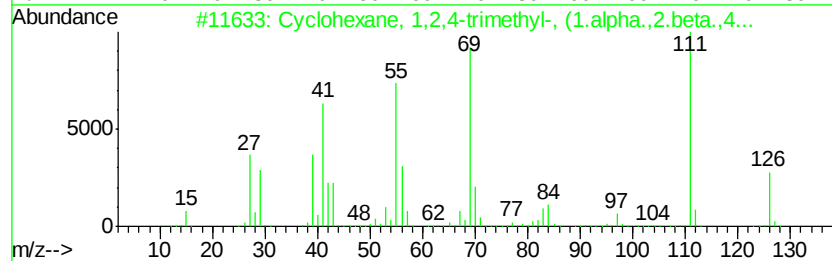
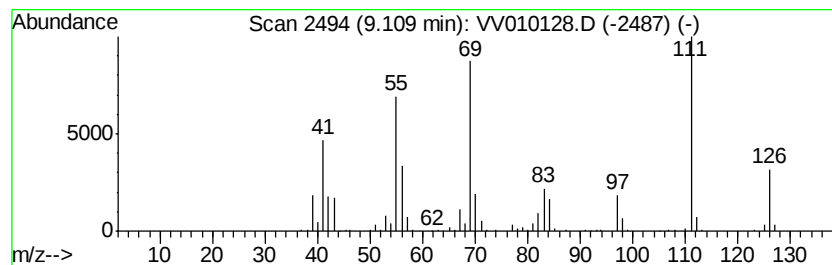
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Quant Title : VOC Analysis

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	6.80 ug/L	266155	Chlorobenzene-d5	8.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

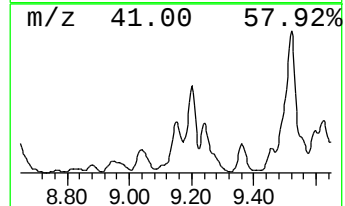
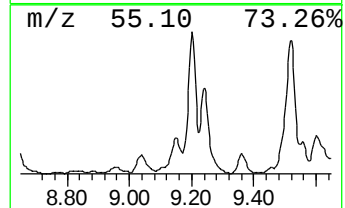
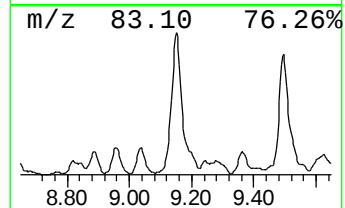
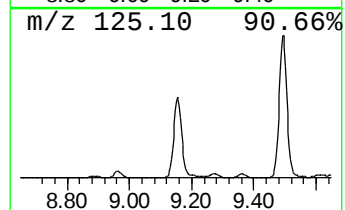
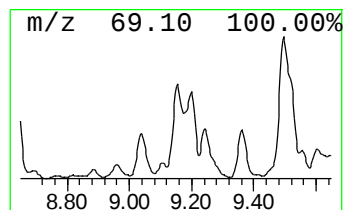
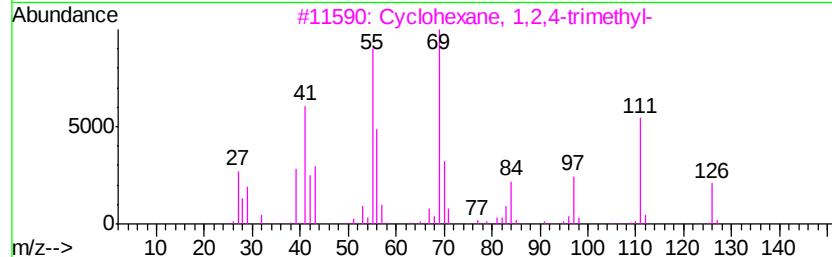
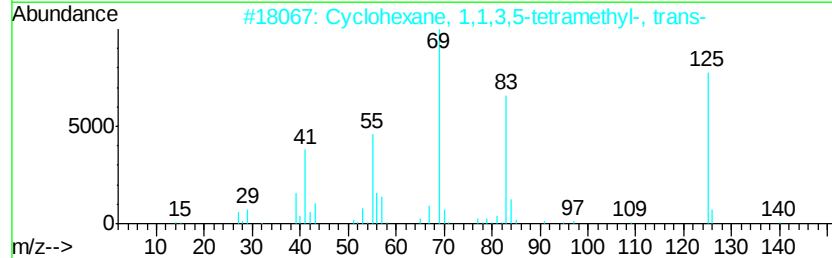
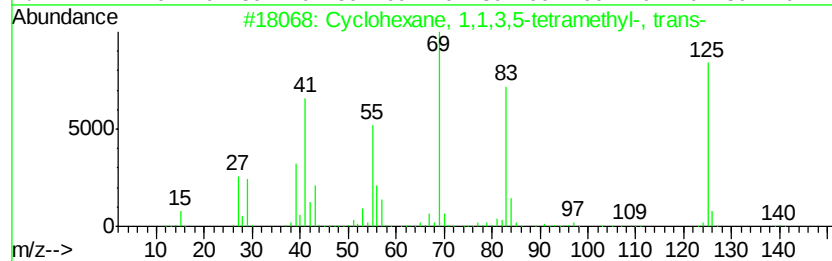
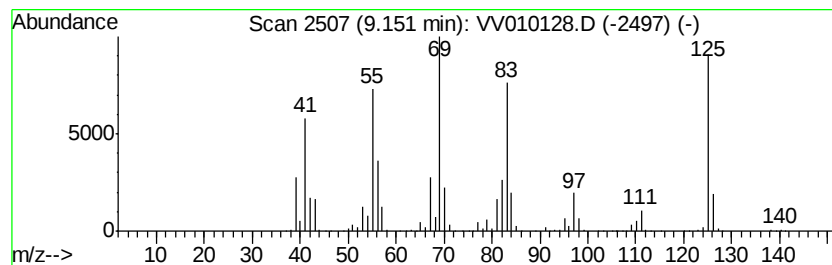
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Cyclic9.15 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	106.55 ug/L	4169580	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	58
2		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	58
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	56
4		Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	42
5		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

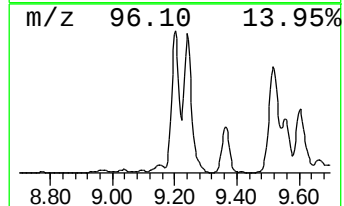
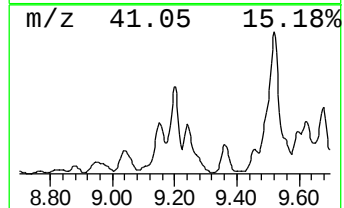
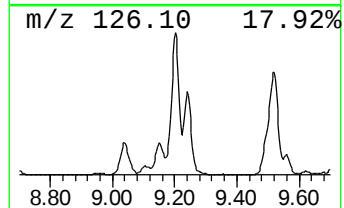
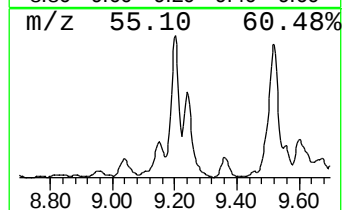
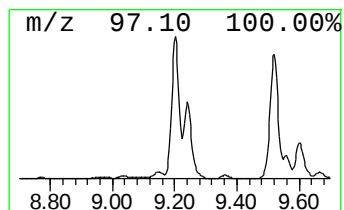
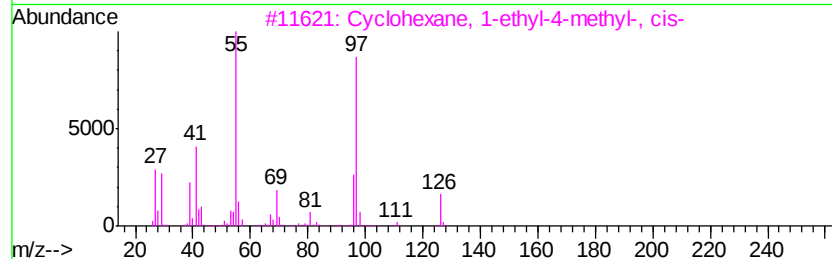
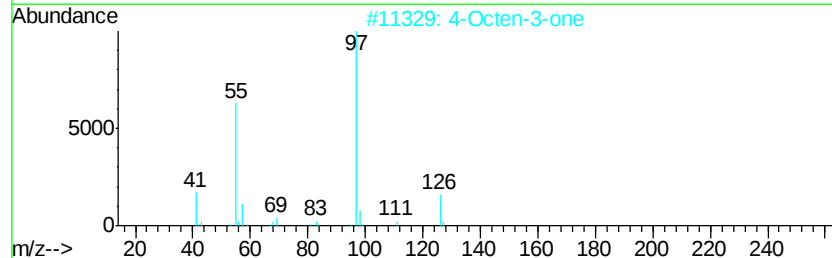
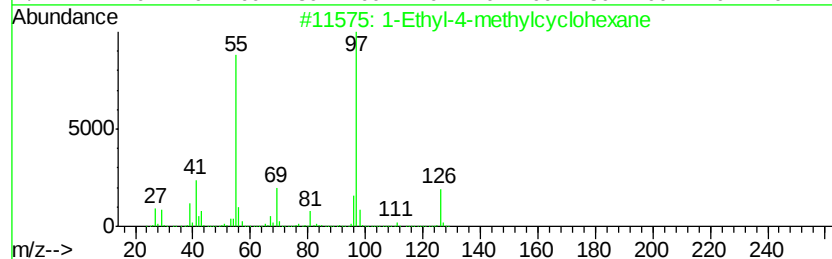
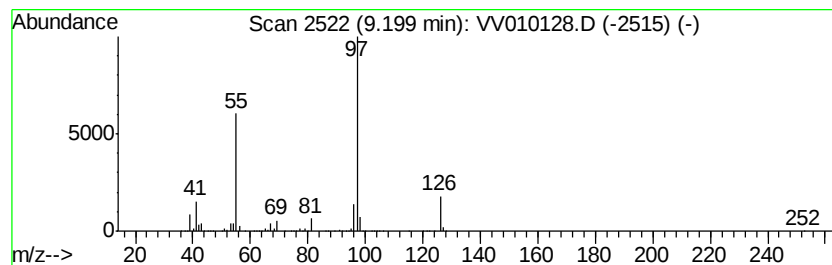
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Quant Title : VOC Analysis

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	180.91 ug/L	7079440	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		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
4		Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1000309-22-7	64
5		Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

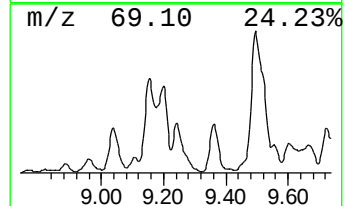
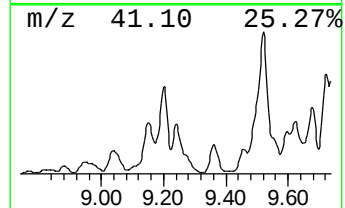
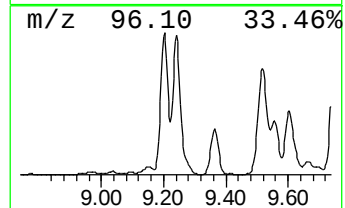
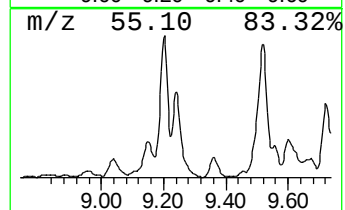
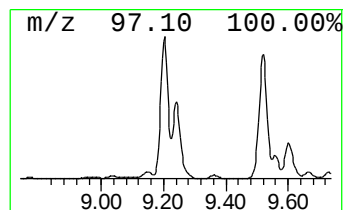
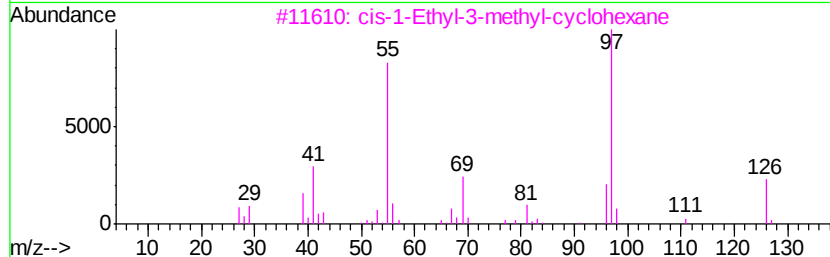
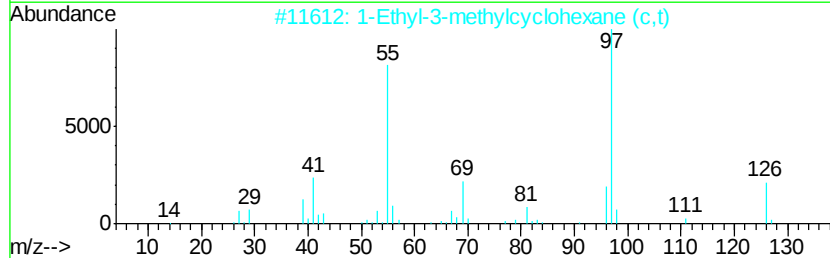
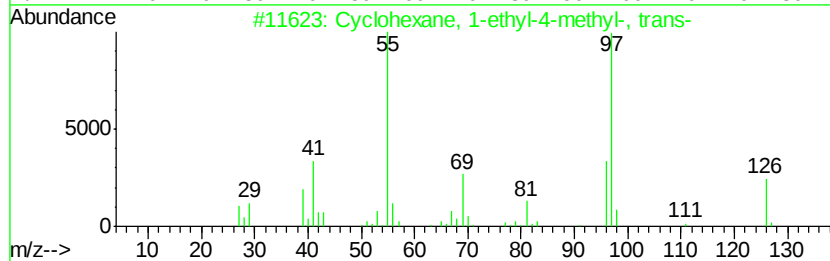
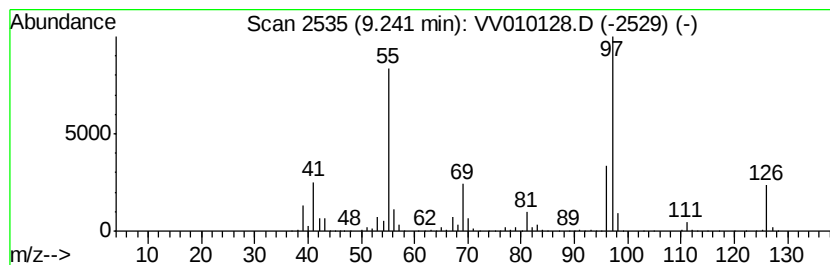
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Cyclic9.24 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	138.32 ug/L	5412490	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	94
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
5		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

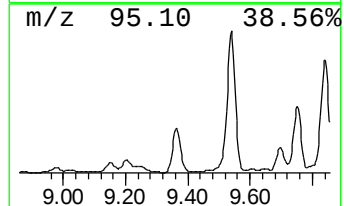
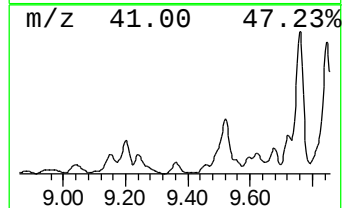
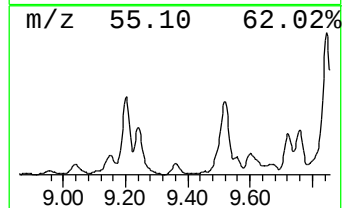
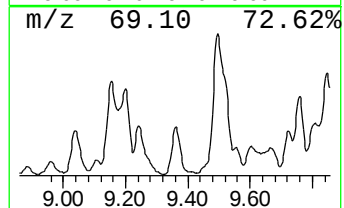
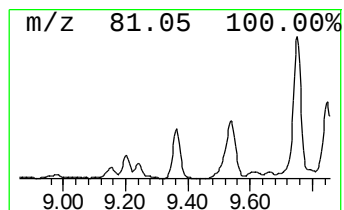
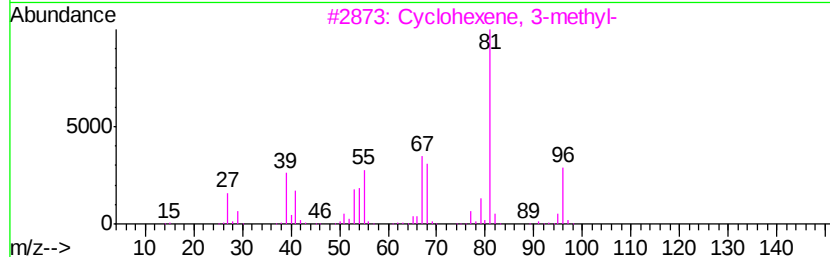
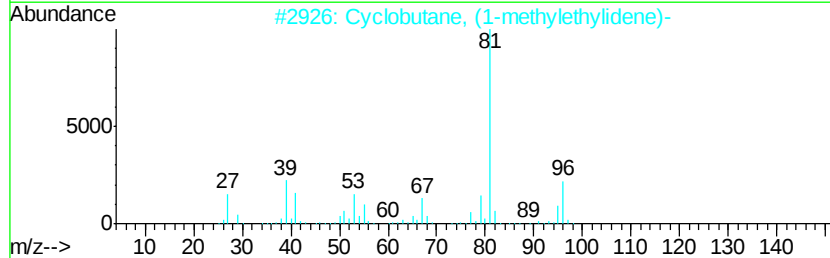
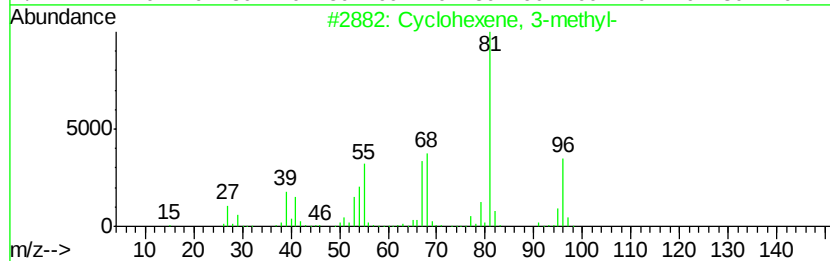
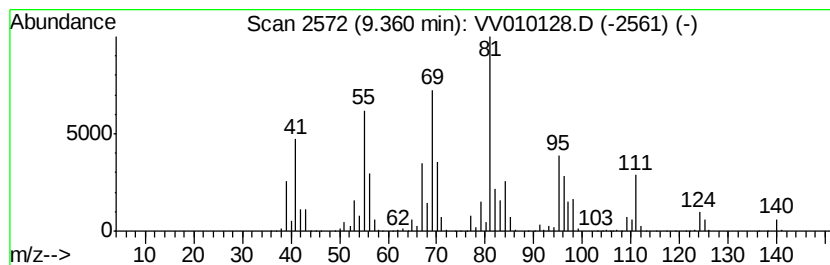
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Quant Title : VOC Analysis

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

Peak Number 31 unknown-03 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	69.11 ug/L	2704210	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	43
2		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	43
3		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	38
4		Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	38
5		Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

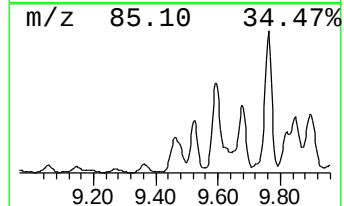
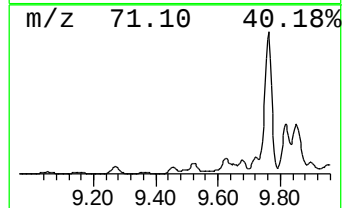
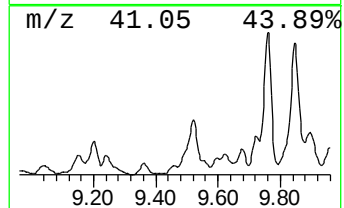
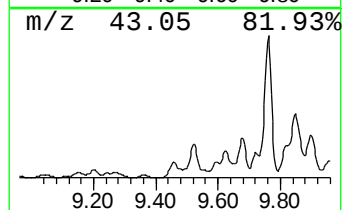
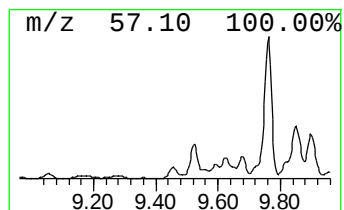
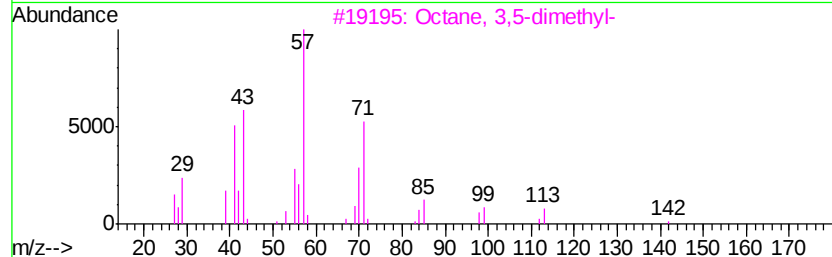
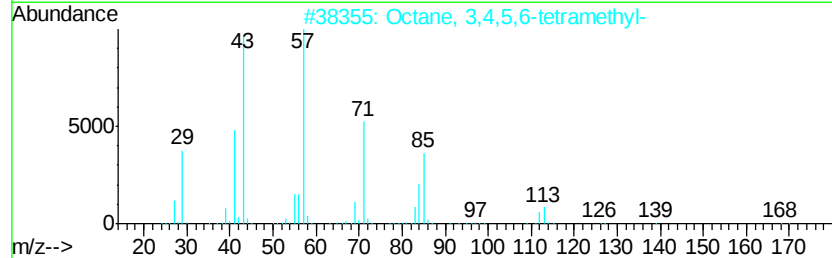
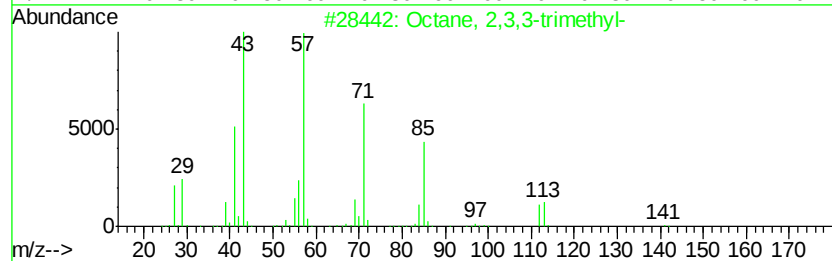
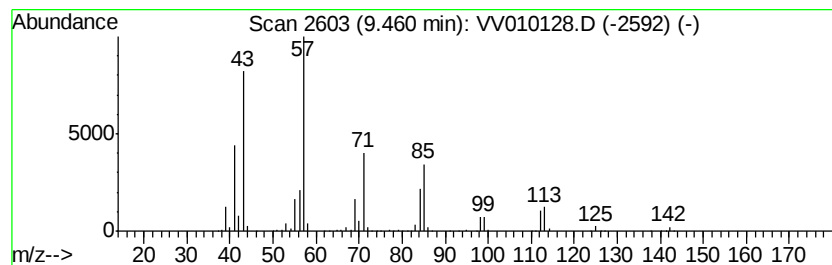
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	30.11 ug/L	1178430	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	64
2		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	64
3		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
4		Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	59
5		3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

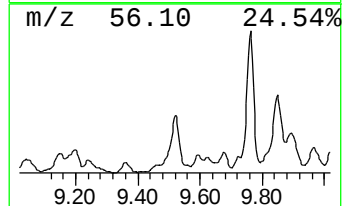
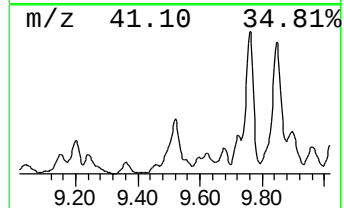
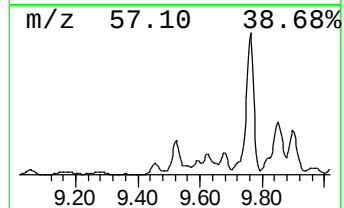
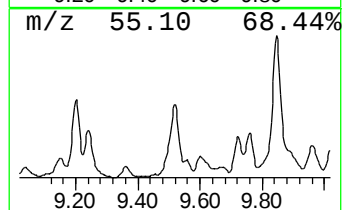
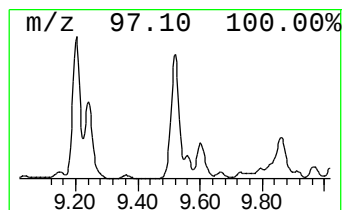
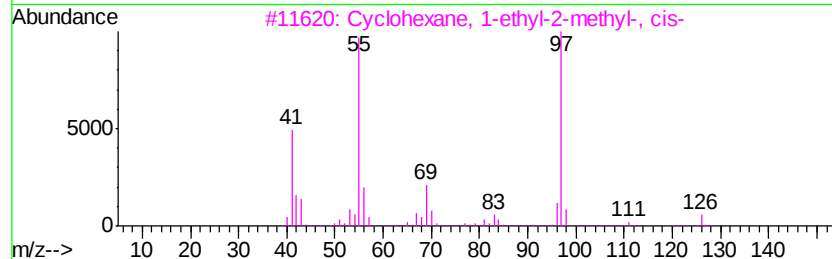
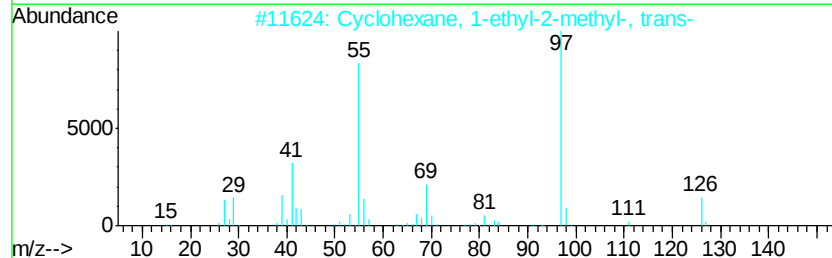
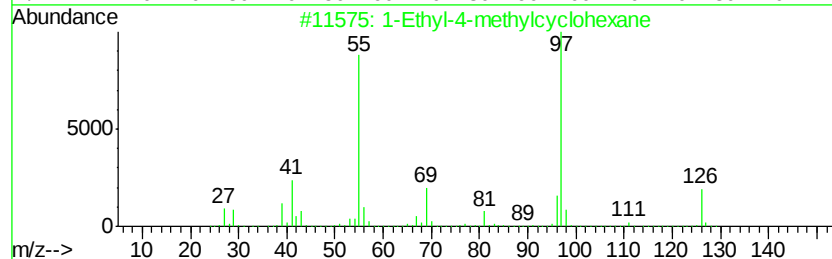
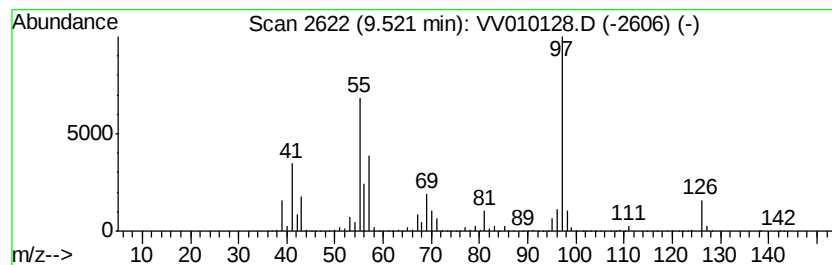
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Cyclic9.52 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	305.20 ug/L	11942800	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	76
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	76
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	72
4		Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	72
5		Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BF5J3

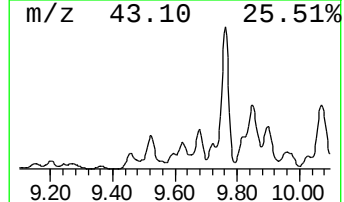
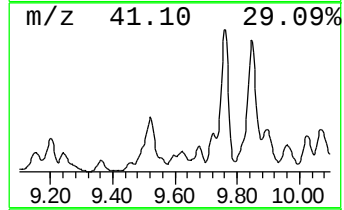
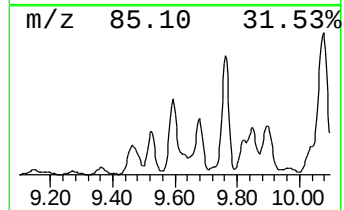
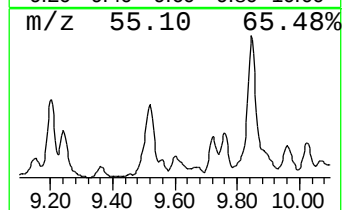
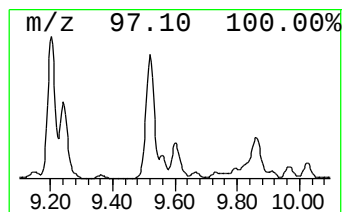
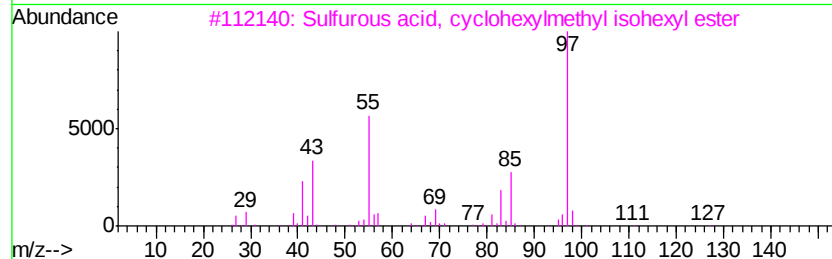
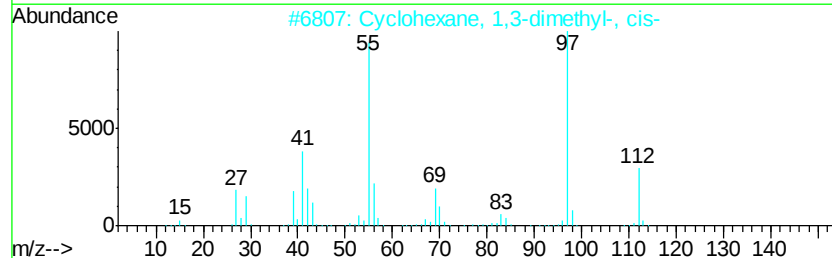
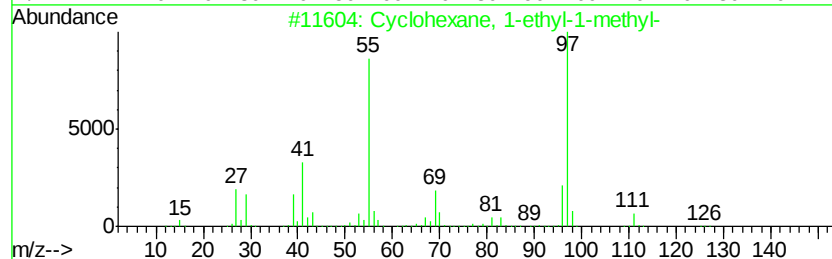
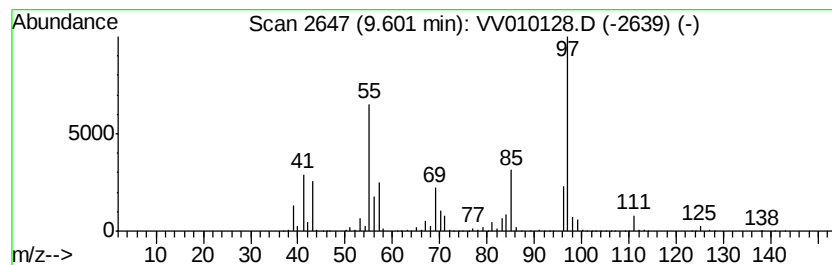
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Cyclic9.60 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	40.27 ug/L	1575920	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50
3		Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	47
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	47
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	47



Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

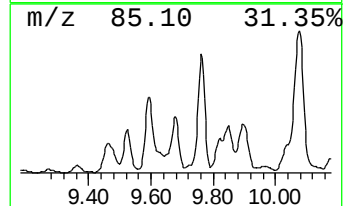
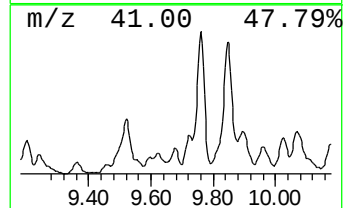
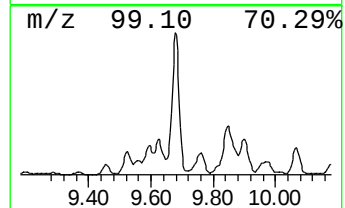
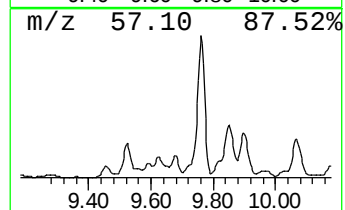
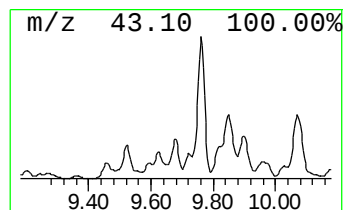
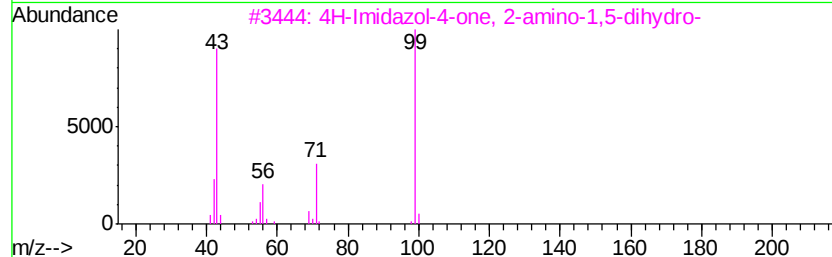
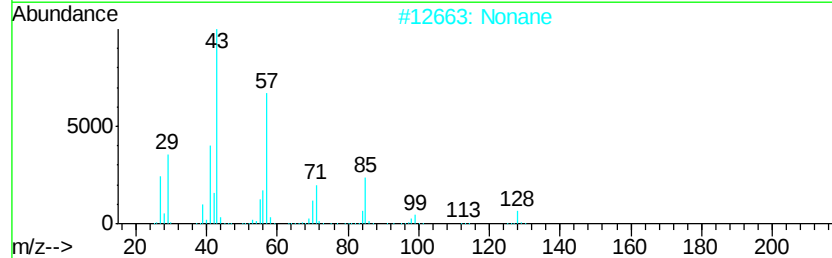
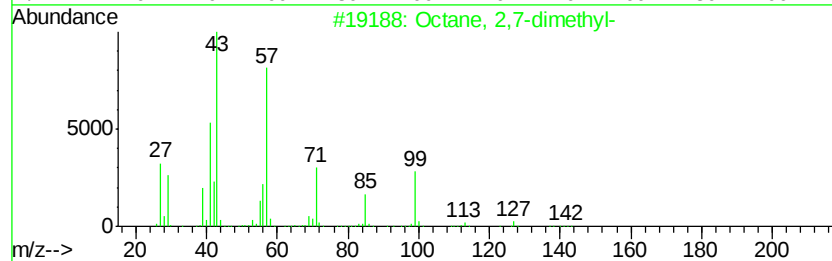
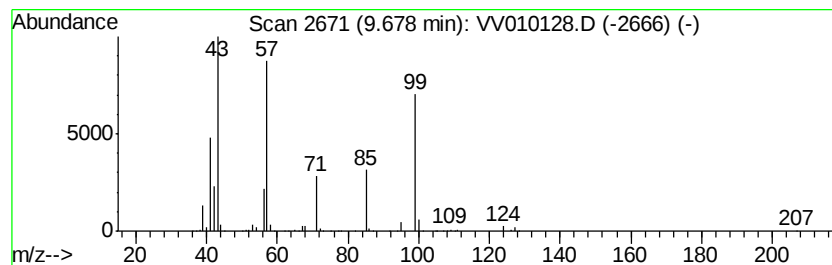
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Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	37.02 ug/L	1448620	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	59
2		Nonane	128	C9H20	000111-84-2	53
3		4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	49
4		Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	47
5		Acetamide, N-ethenyl-N-methyl-	99	C5H9NO	003195-78-6	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

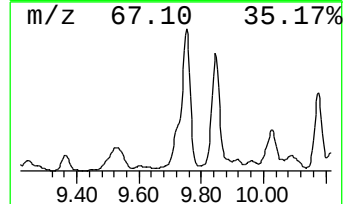
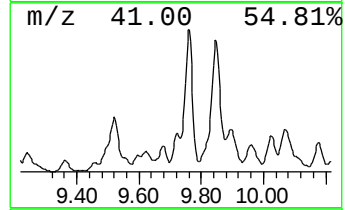
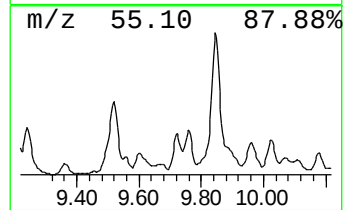
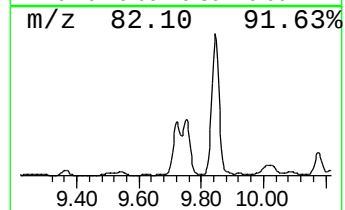
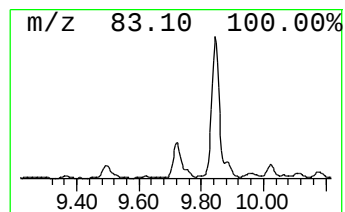
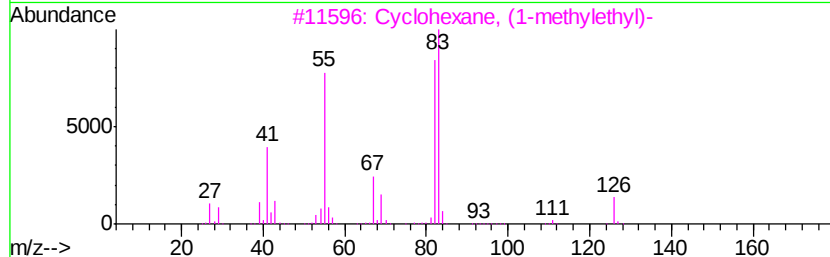
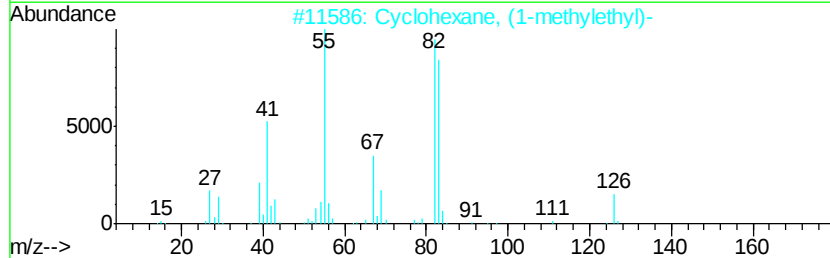
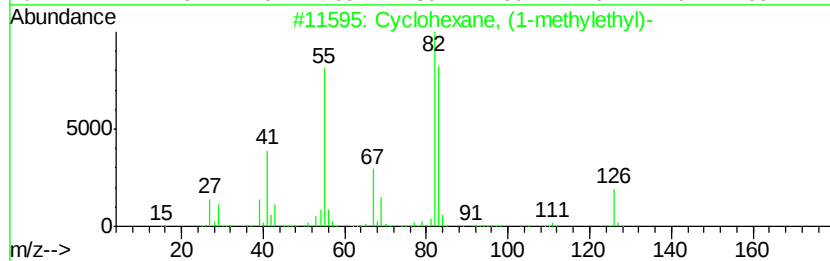
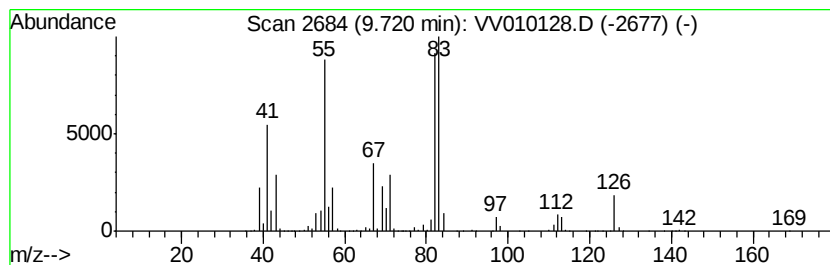
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Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Cyclic9.72 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	95.22 ug/L	3725970	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	87
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

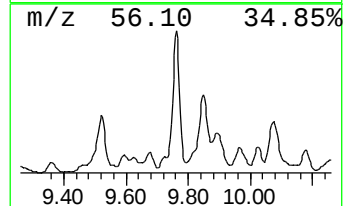
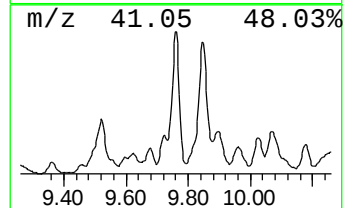
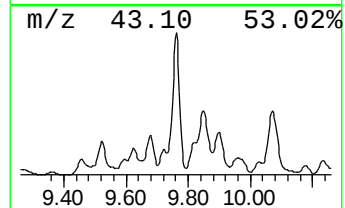
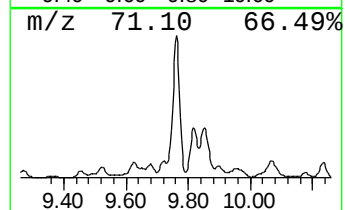
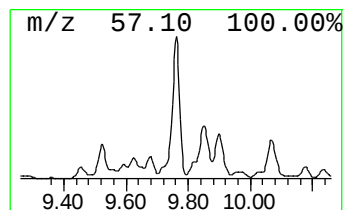
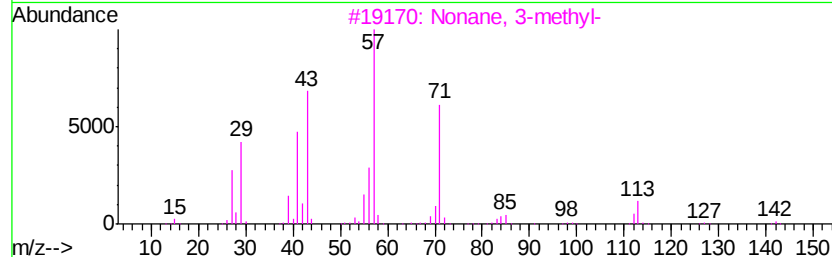
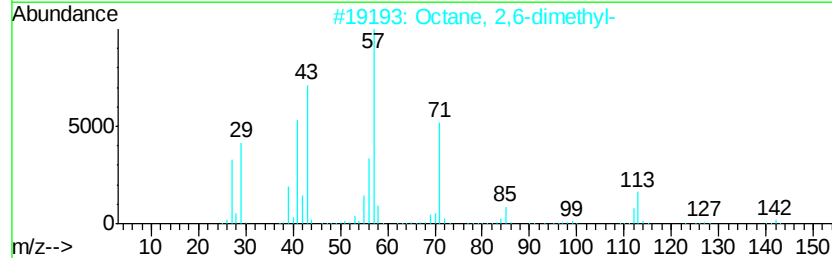
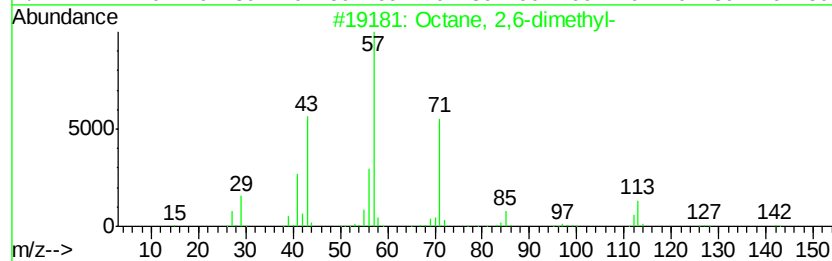
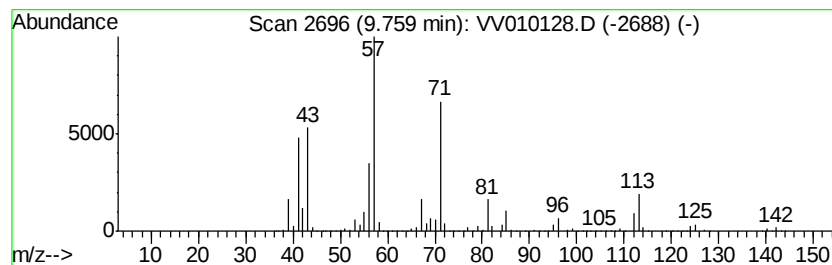
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Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	459.00 ug/L	17961300	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	83
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

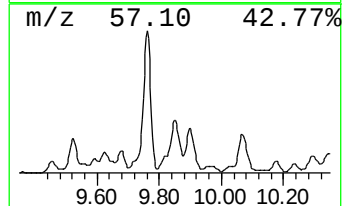
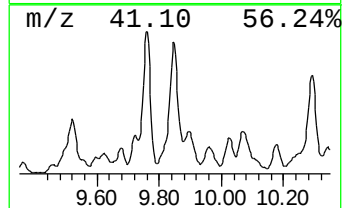
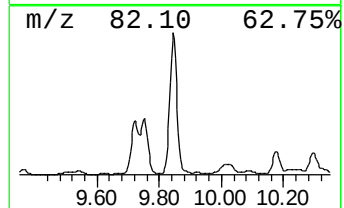
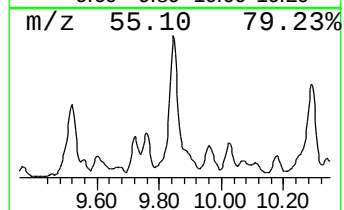
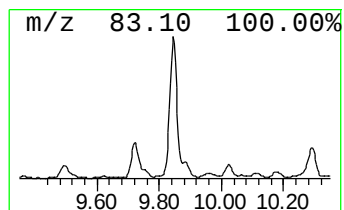
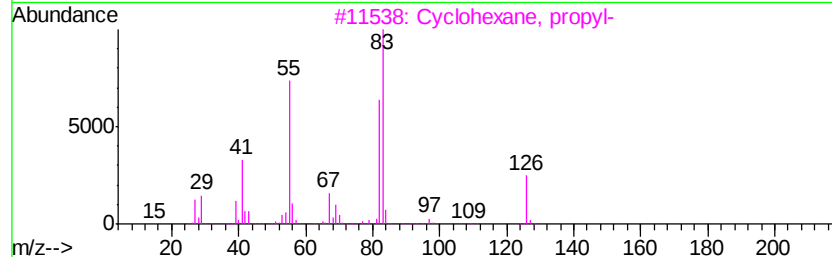
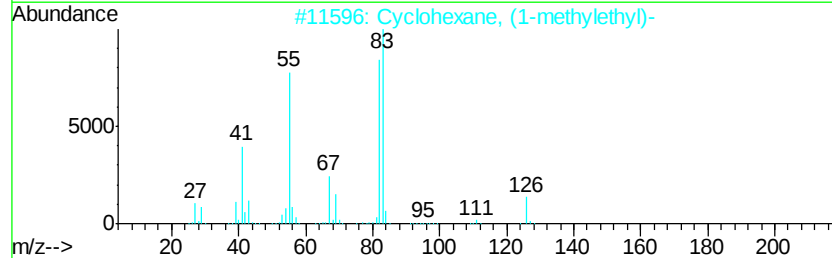
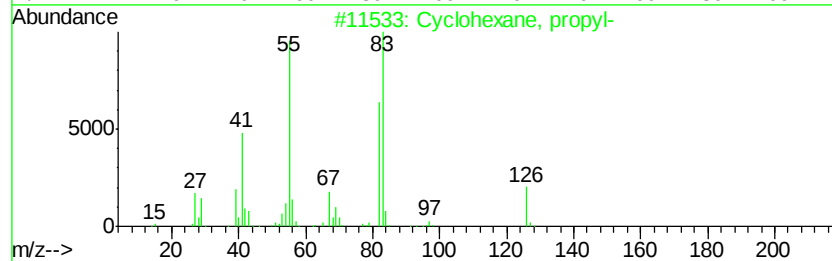
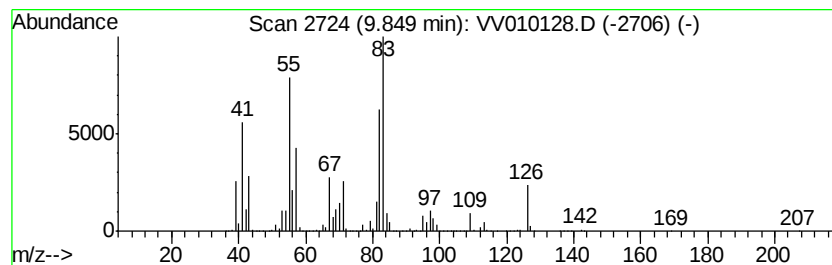
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Quant Title : VOC Analysis

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

Peak Number 38 (DEL) Alkane: Cyclic9.85 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	603.32 ug/L	23609100	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	76
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 : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

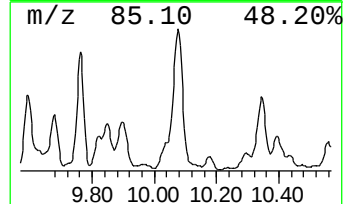
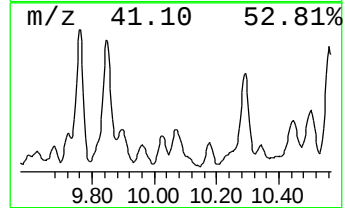
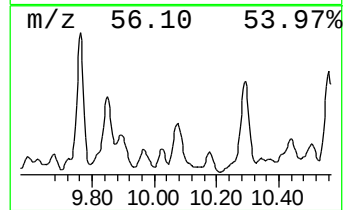
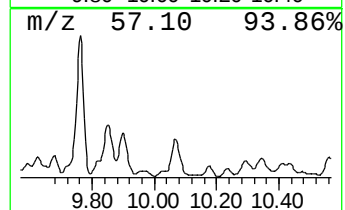
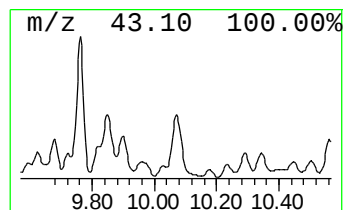
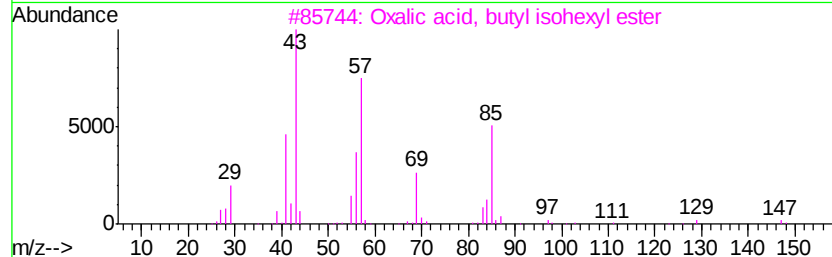
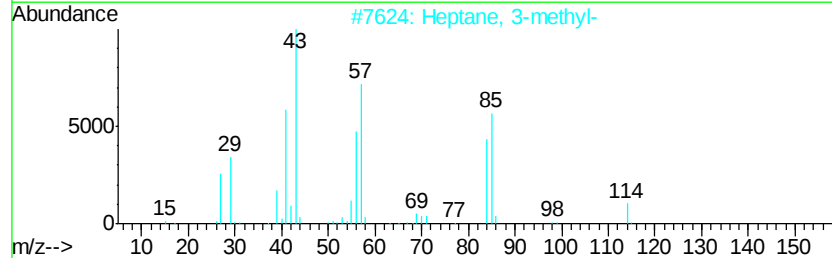
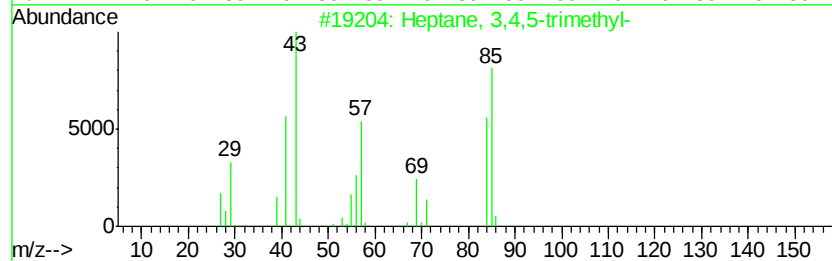
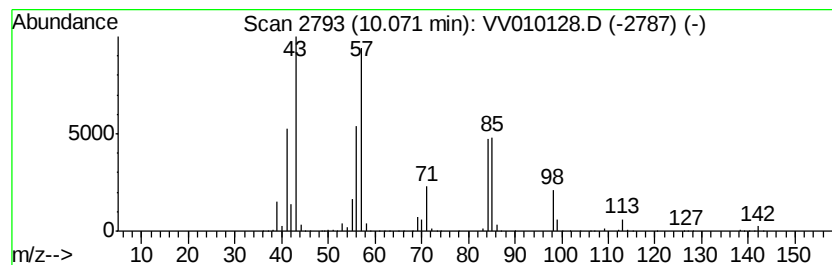
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Quant Title : VOC Analysis

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	215.19 ug/L	8420550	Chlorobenzene-d5	8.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
2		Heptane, 3-methyl-	114	C8H18	000589-81-1	64
3		Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	50
4		Heptane, 3-methyl-	114	C8H18	000589-81-1	50
5		Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BF5J3

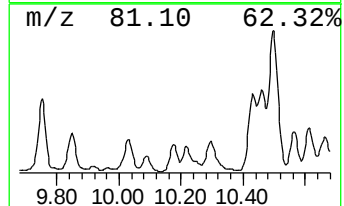
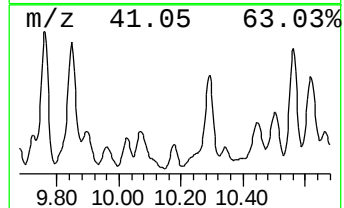
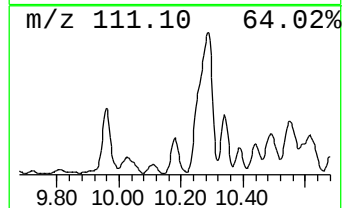
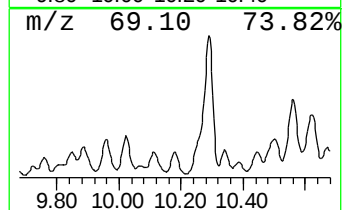
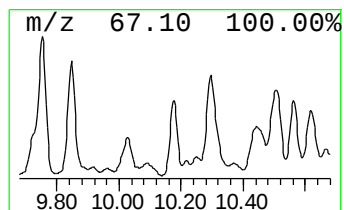
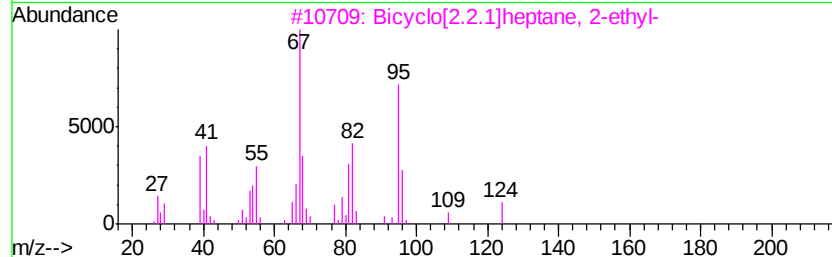
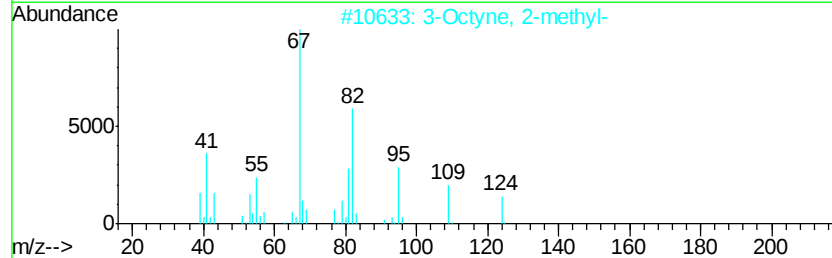
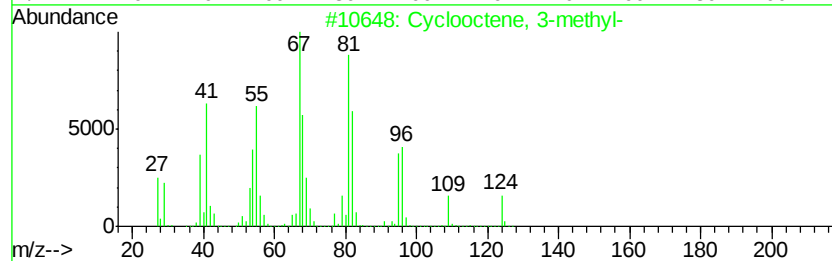
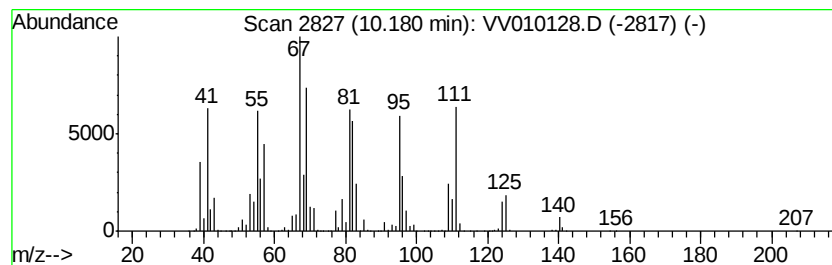
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Quant Title : VOC Analysis

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

Peak Number 40 Cyclooctene, 3-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	38.41 ug/L	4884340	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	52
2		3-Octyne, 2-methyl-	124	C9H16	055402-15-8	49
3		Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	49
4		Ethylidenecycloheptane	124	C9H16	010494-87-8	46
5		Bicyclo[5.1.0]octane	110	C8H14	000286-43-1	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

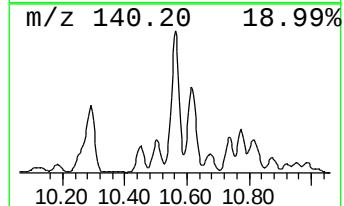
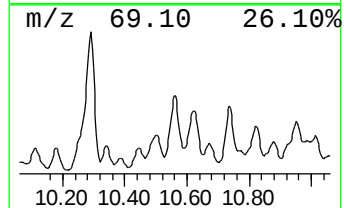
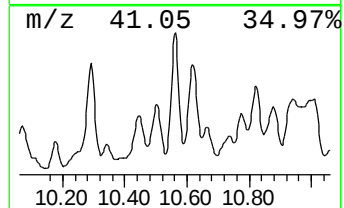
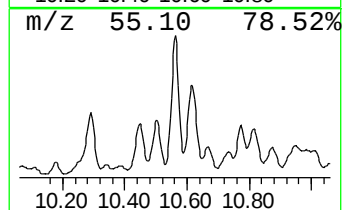
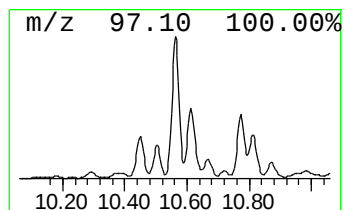
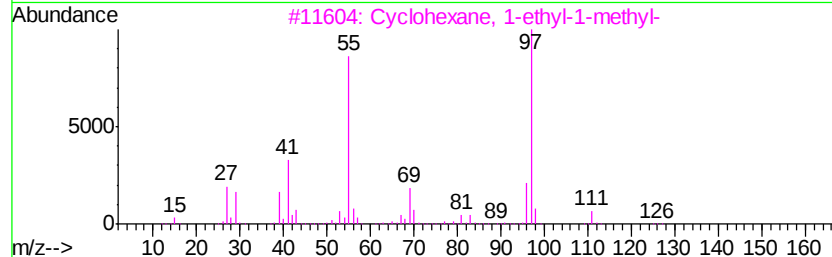
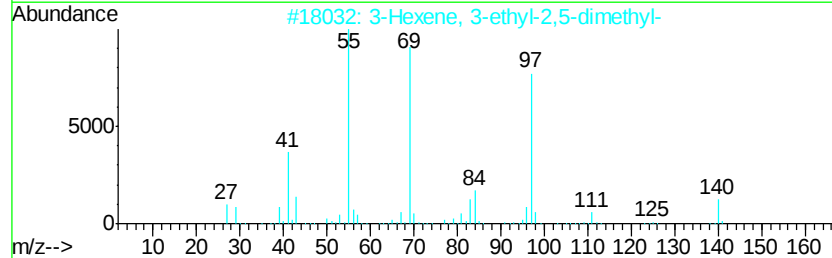
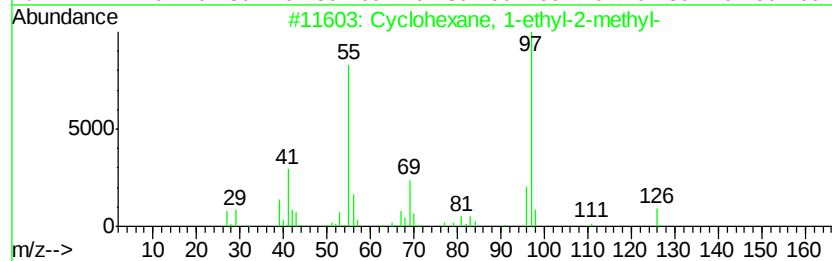
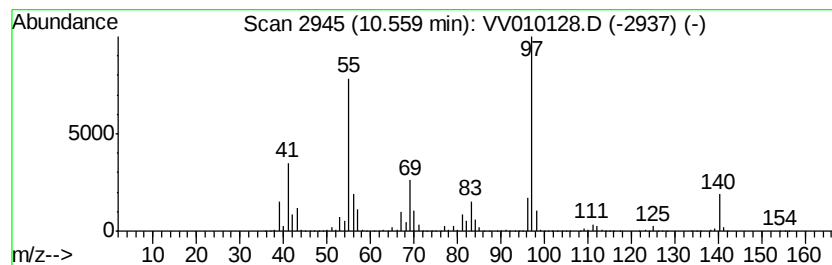
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Cyclic10.56 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	142.89 ug/L	18170500	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	90
2		3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	72
3		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	72
4		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	68
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

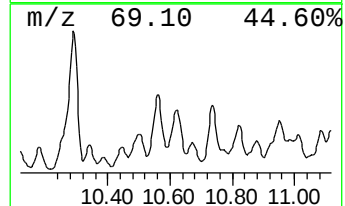
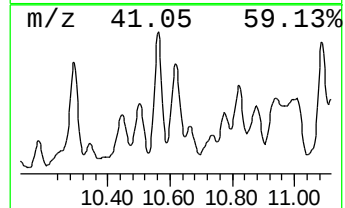
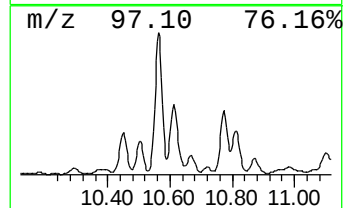
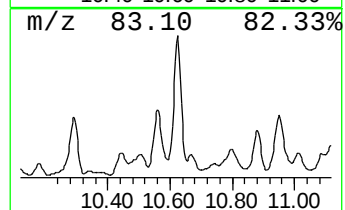
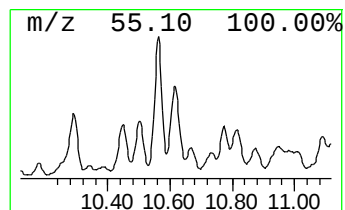
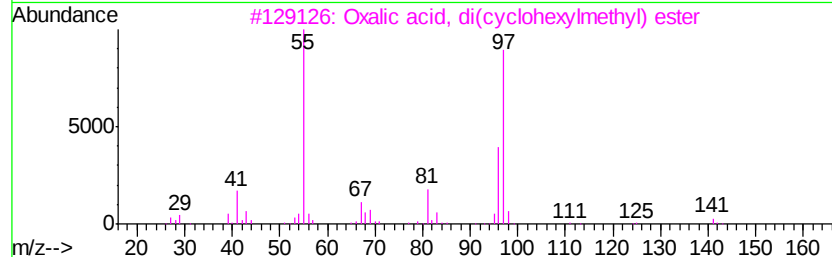
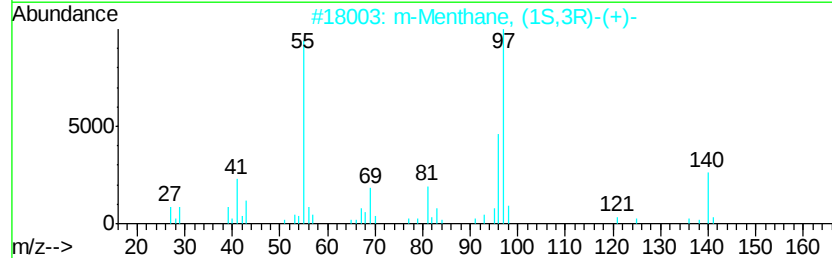
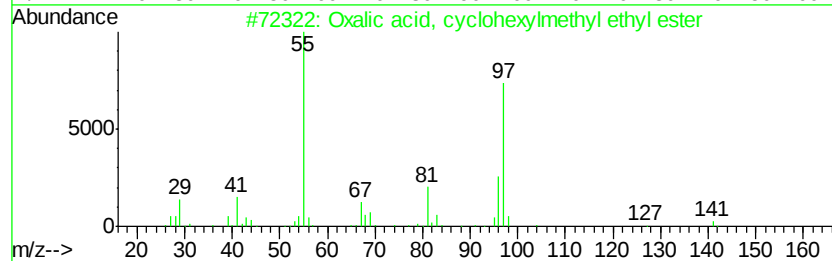
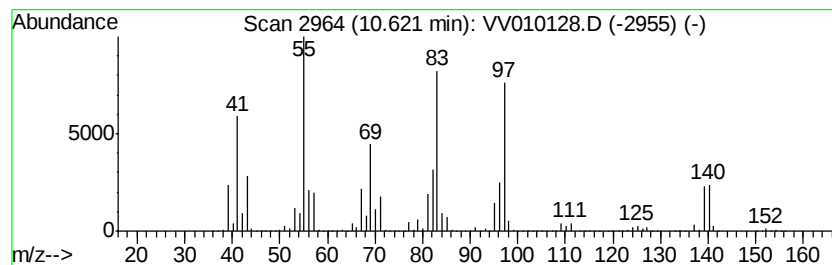
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Quant Title : VOC Analysis

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

Peak Number 44 unknown-04 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	99.05 ug/L	12595000	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	47
2		m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	46
3		Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	43
4		Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1000309-68-1	43
5		Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

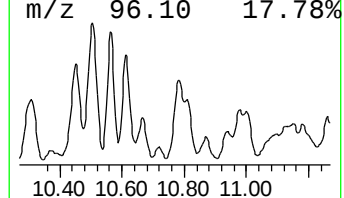
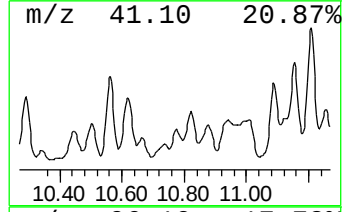
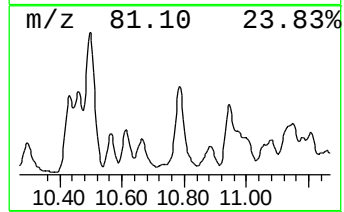
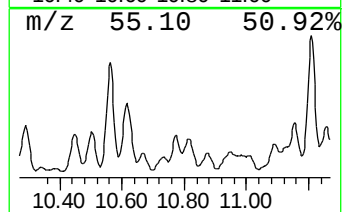
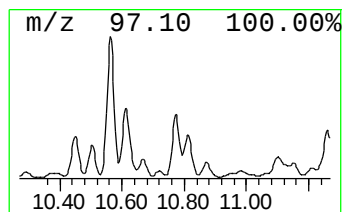
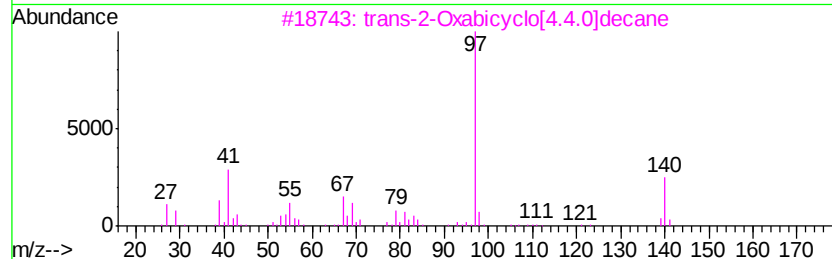
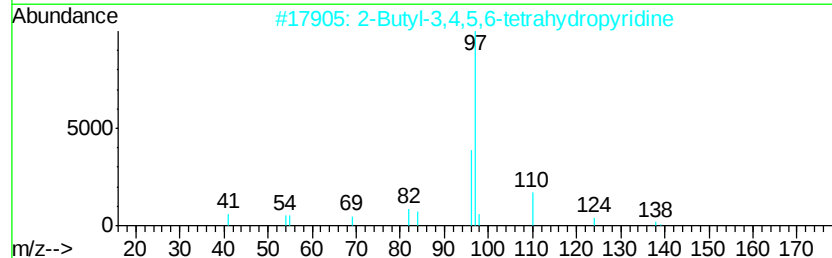
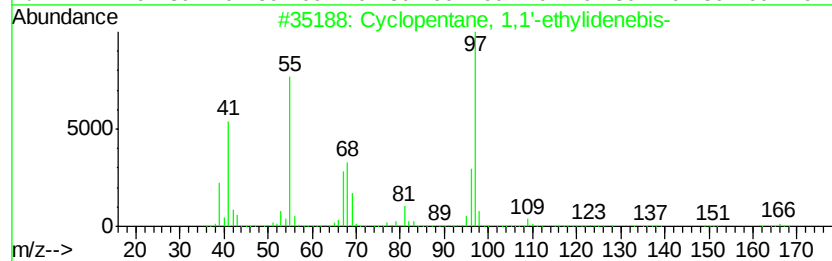
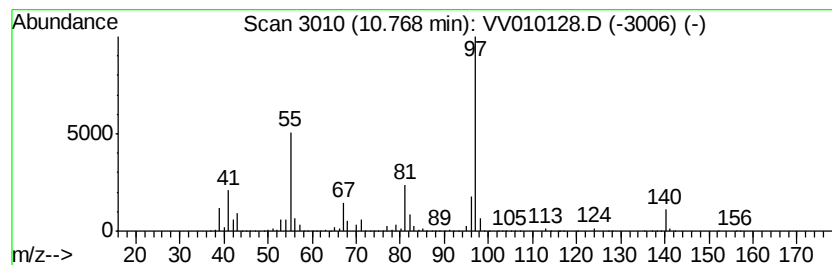
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Quant Title : VOC Analysis

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

Peak Number 45 Cyclopentane, 1,1'-ethylide... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	42.76 ug/L	5437260	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	56
2		2-Butyl-3,4,5,6-tetrahydropyridine	139	C9H17N	001462-94-8	50
3		trans-2-Oxabicyclo[4.4.0]decane	140	C9H16O	059958-46-2	50
4		Cycloheptane, bromo-	176	C7H13Br	002404-35-5	50
5		Semustine	247	C10H18ClN3O2	013909-09-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

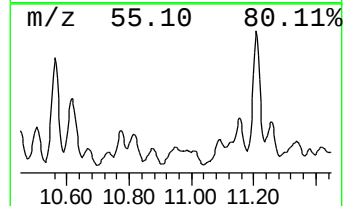
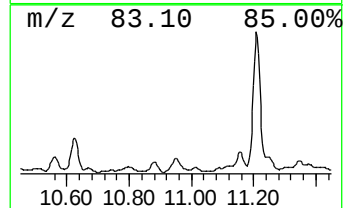
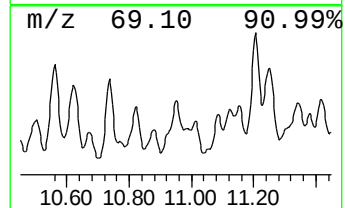
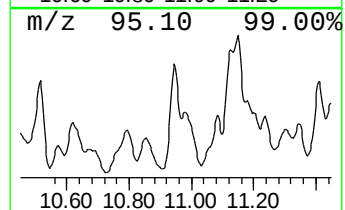
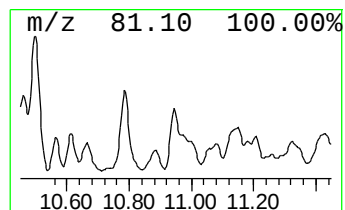
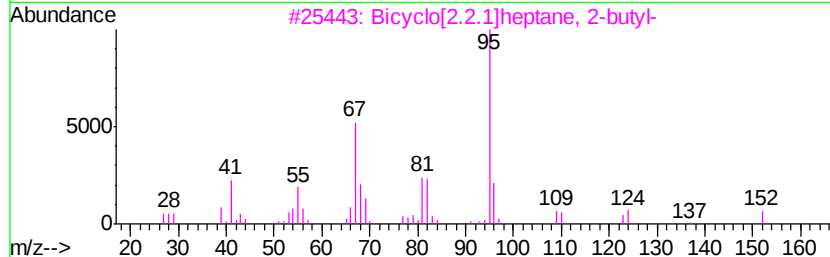
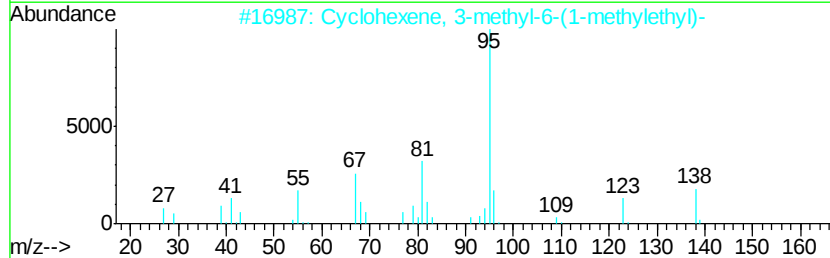
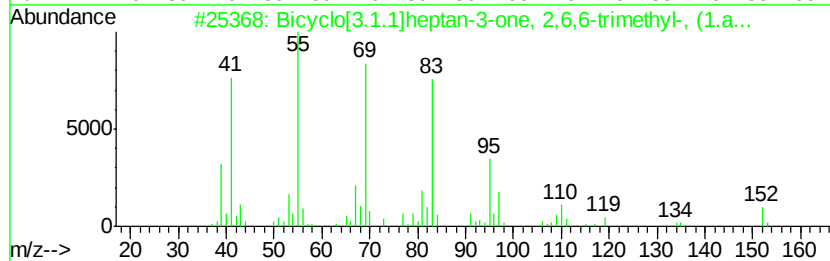
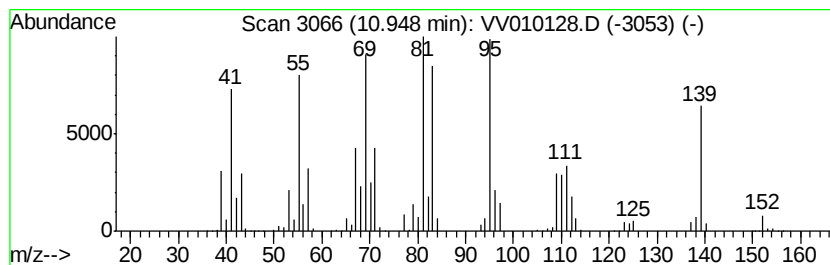
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Quant Title : VOC Analysis

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

Peak Number 46 unknown-05 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	93.26 ug/L	11858800	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	30
2		Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	25
3		Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	15
4		5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	11
5		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	11



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

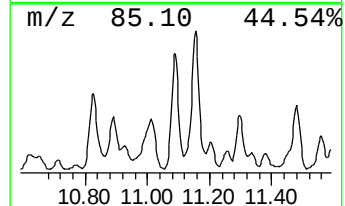
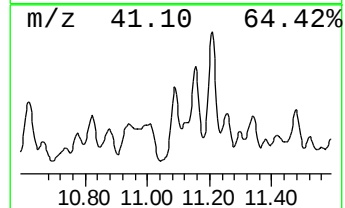
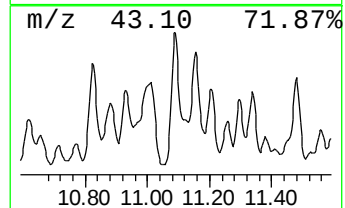
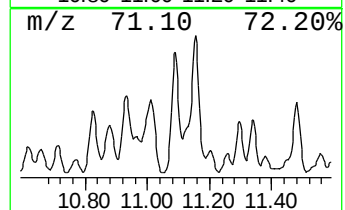
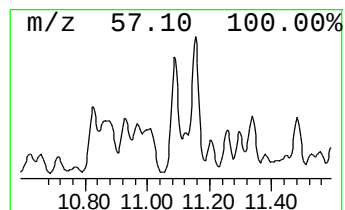
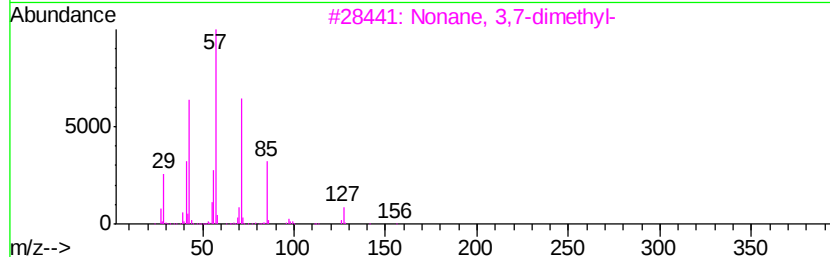
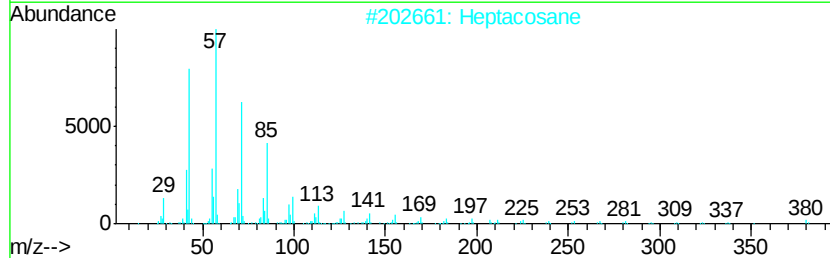
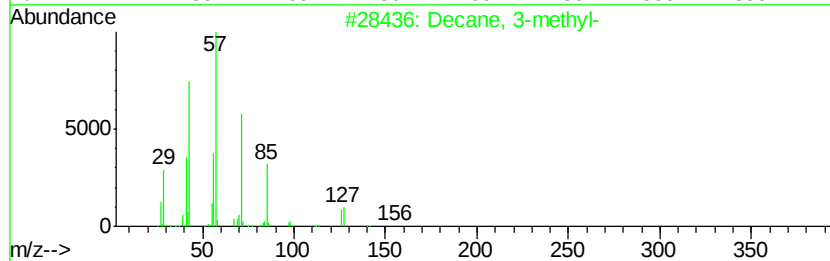
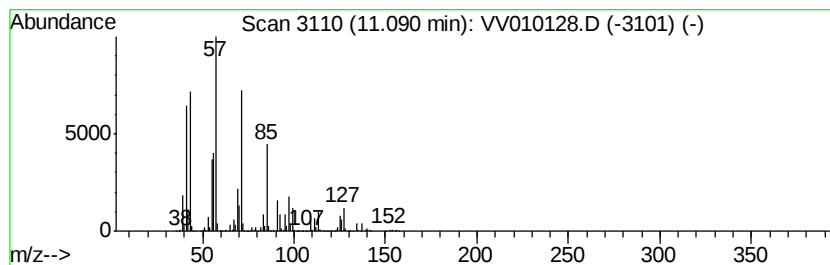
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Quant Title : VOC Analysis

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	112.60 ug/L	14318900	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	81
2		Heptacosane	380	C27H56	000593-49-7	64
3		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	62
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	59
5		Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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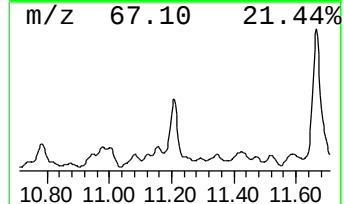
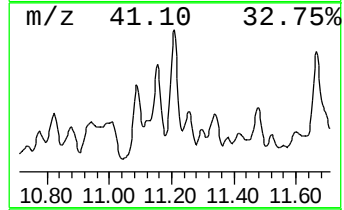
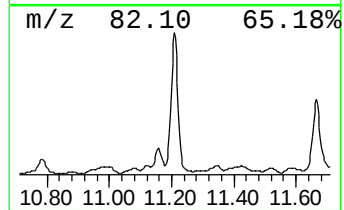
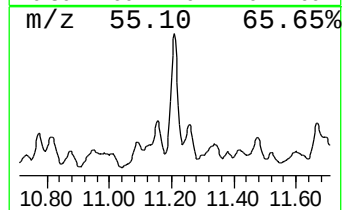
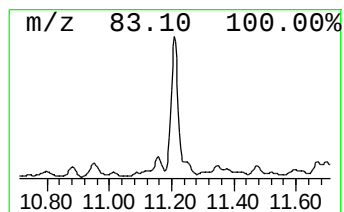
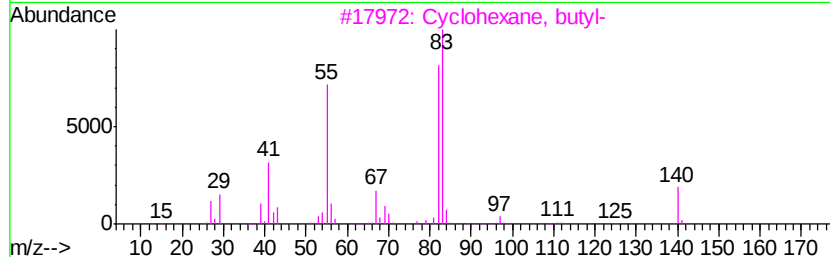
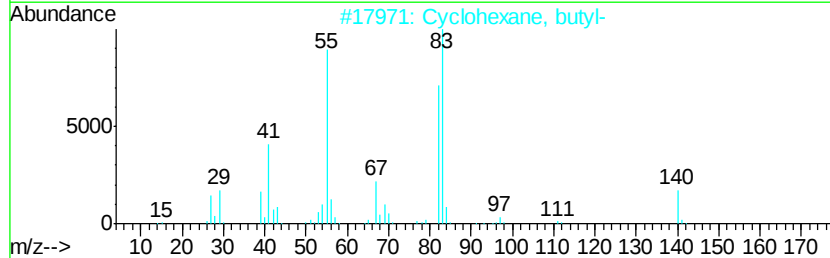
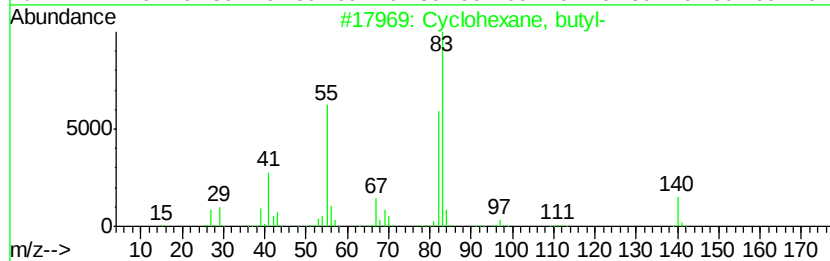
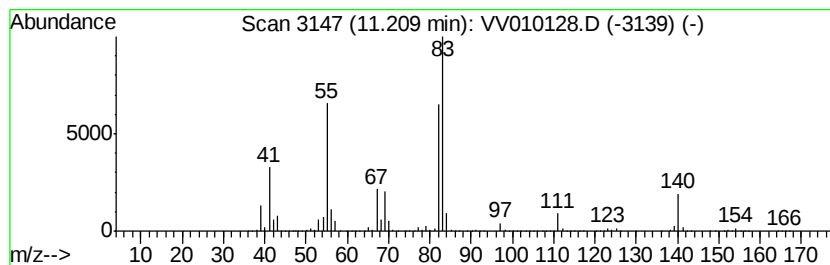
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Quant Title : VOC Analysis

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

Peak Number 48 (DEL) Alkane: Cyclic11.21 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	163.54 ug/L	20796600	1,4-Dichlorobenzene-d4	11.30

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	87
4		Cyclohexane, octyl-	196	C14H28	001795-15-9	80
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

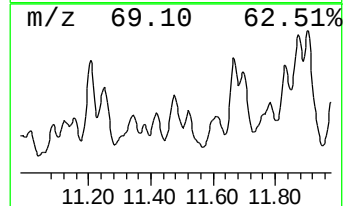
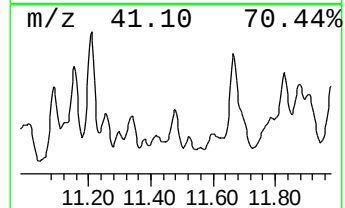
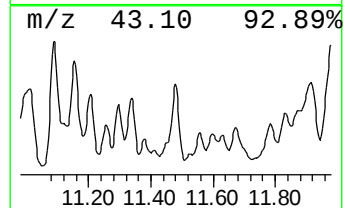
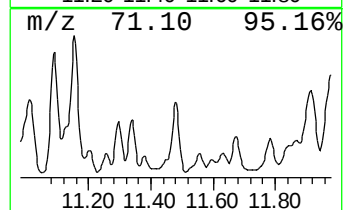
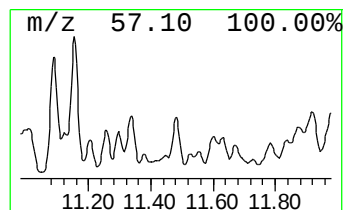
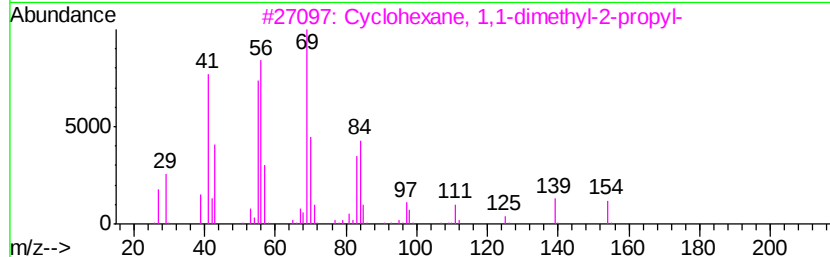
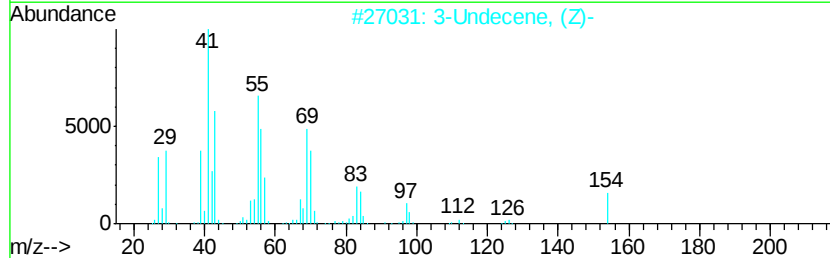
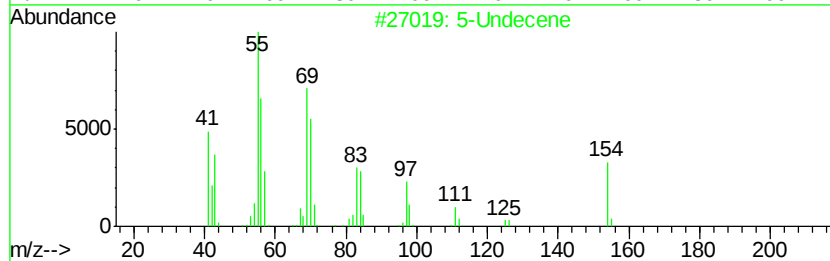
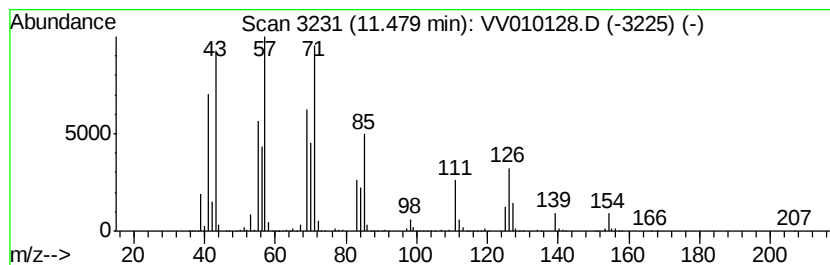
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Quant Title : VOC Analysis

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

Peak Number 49 (DEL) Alkane: Cyclic11.48 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	47.32 ug/L	6017670	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Undecene	154	C11H22	004941-53-1	60
2		3-Undecene, (Z)-	154	C11H22	000821-97-6	49
3		Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	46
4		5-Undecene, (E)-	154	C11H22	000764-97-6	46
5		4-Undecene, (E)-	154	C11H22	000693-62-9	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

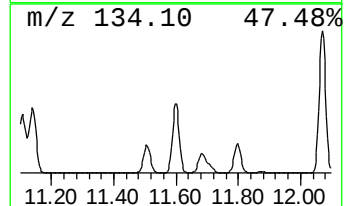
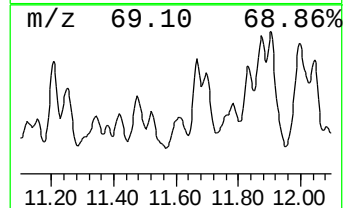
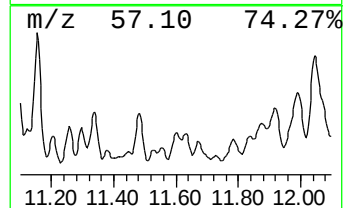
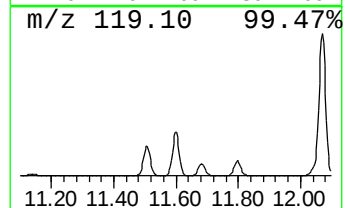
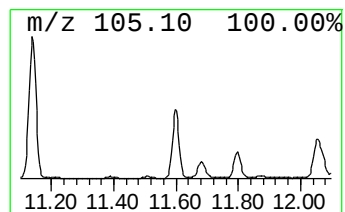
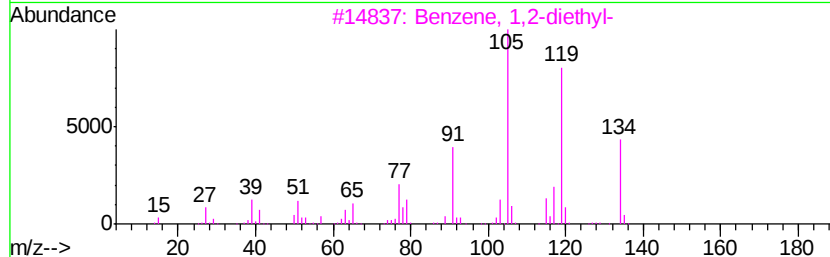
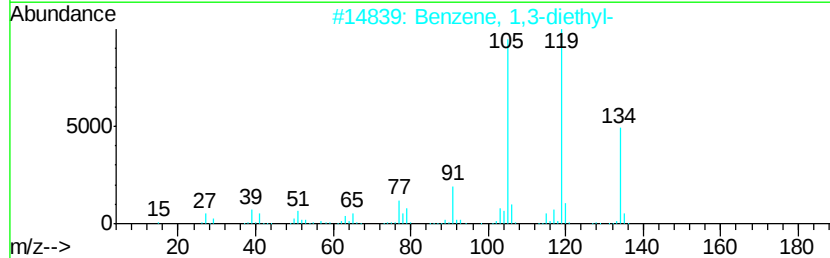
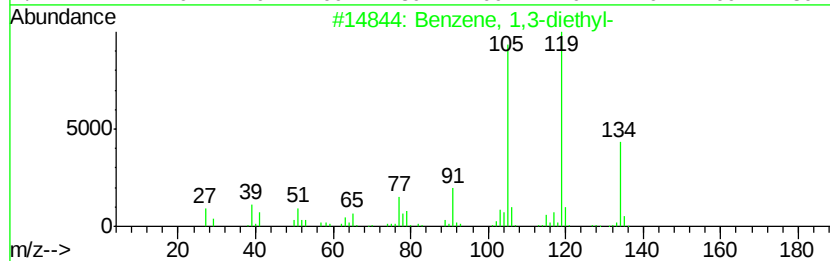
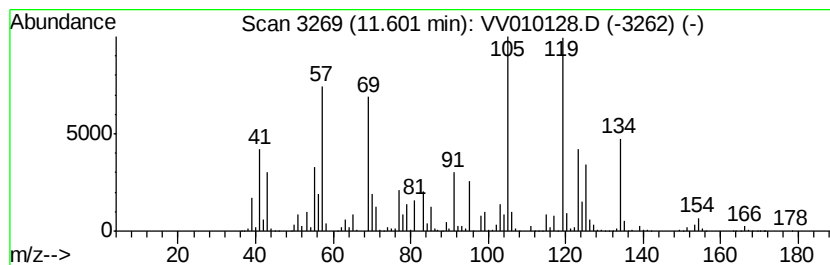
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Quant Title : VOC Analysis

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

Peak Number 50 Benzene, 1,3-diethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	49.83 ug/L	6336630	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	92
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	83
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	83
5		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

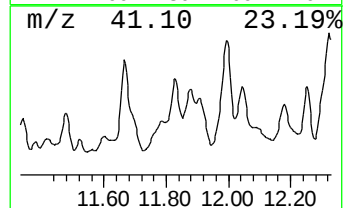
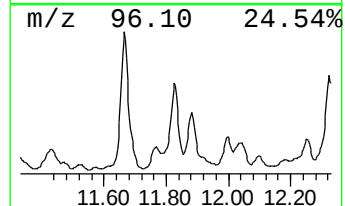
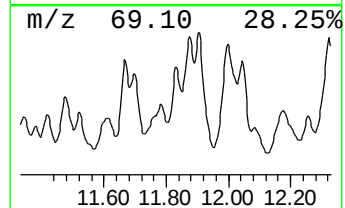
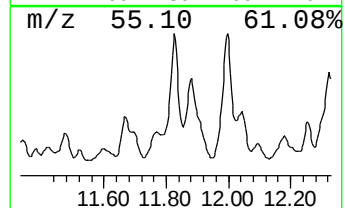
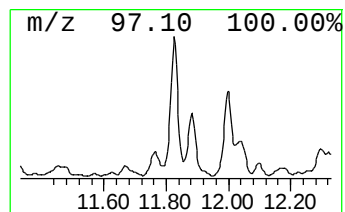
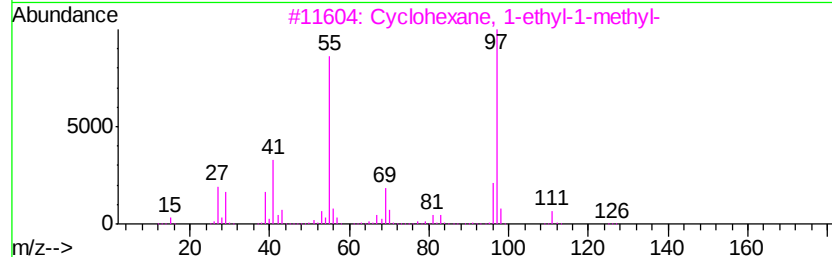
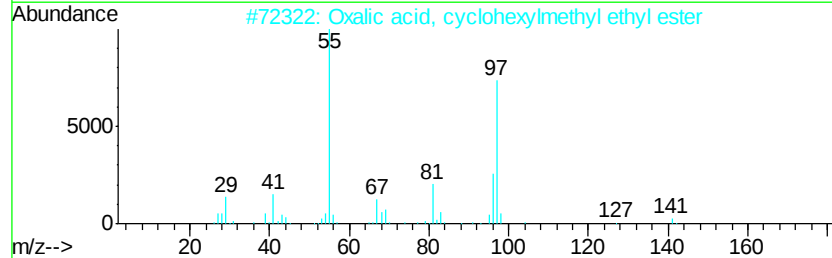
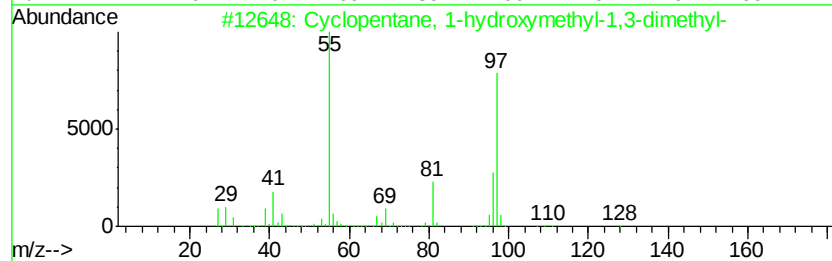
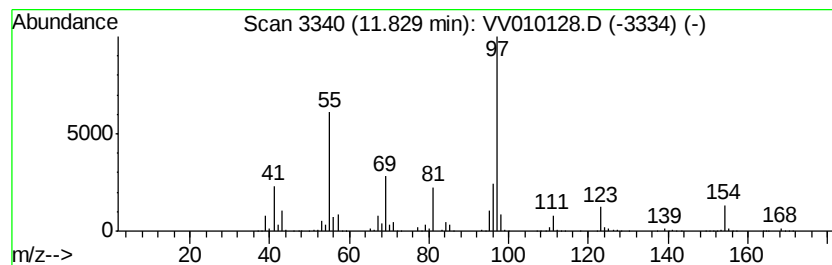
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Quant Title : VOC Analysis

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

Peak Number 51 Cyclopentane, 1-hydroxymeth... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	78.79 ug/L	10019500	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	64
2		Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	59
3		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	58
4		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	58
5		Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

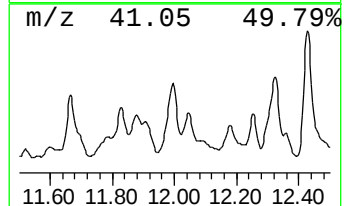
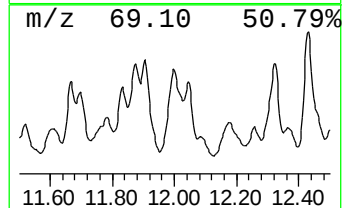
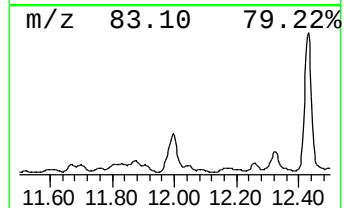
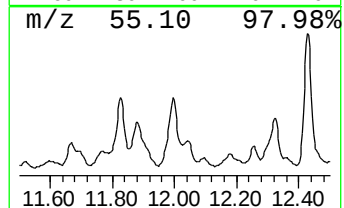
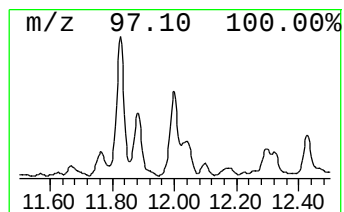
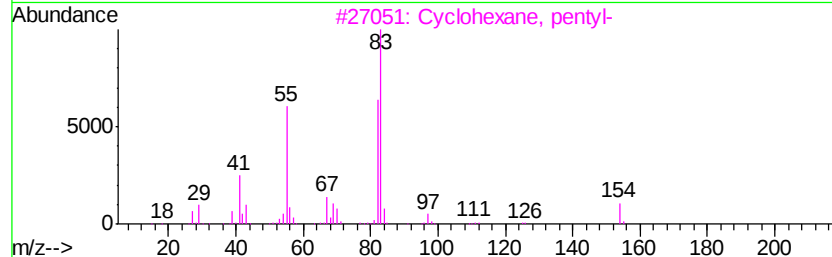
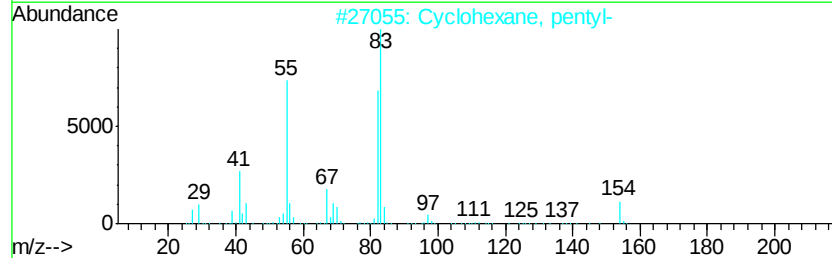
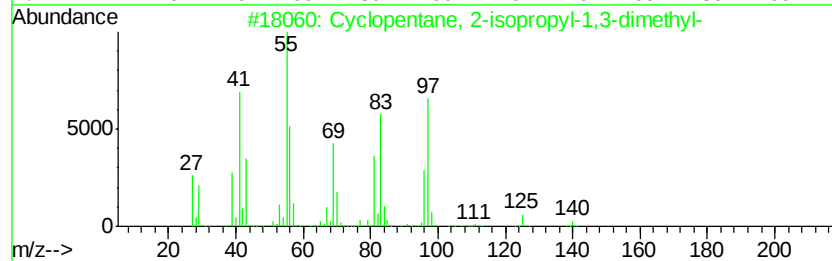
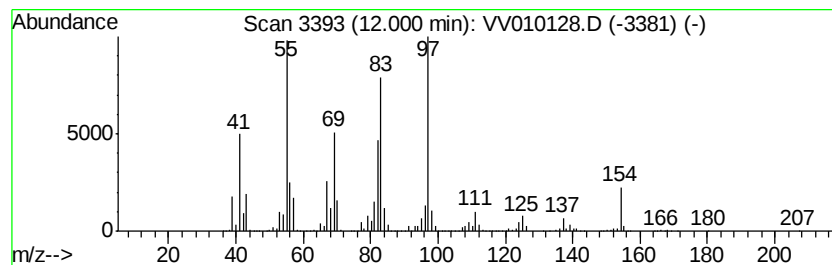
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Quant Title : VOC Analysis

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

Peak Number 52 (DEL) Alkane: Cyclic12.00 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	221.16 ug/L	28123500	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	60
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	41
5		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

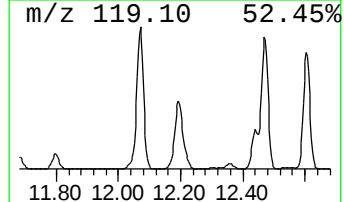
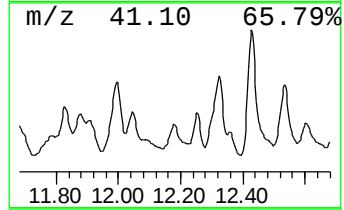
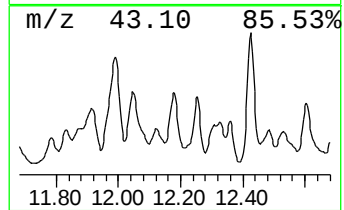
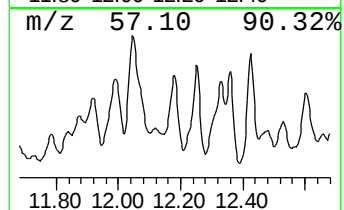
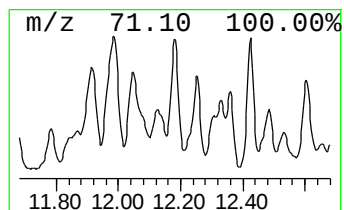
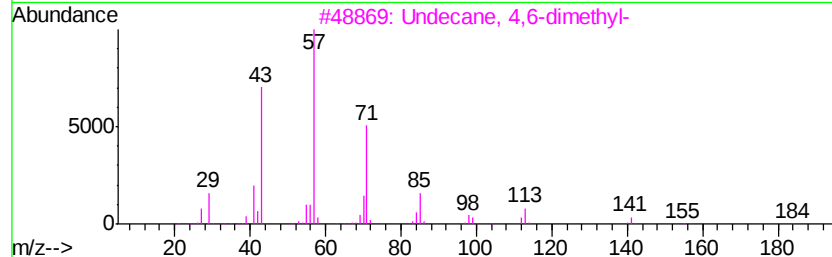
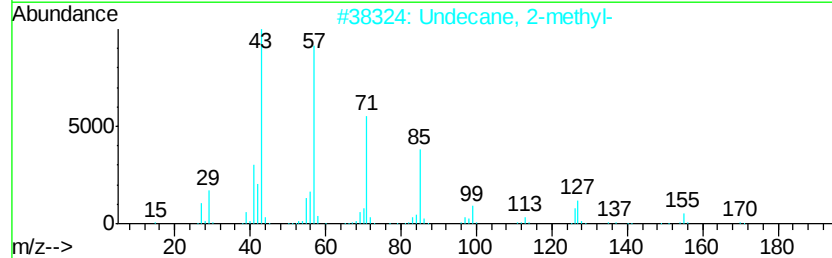
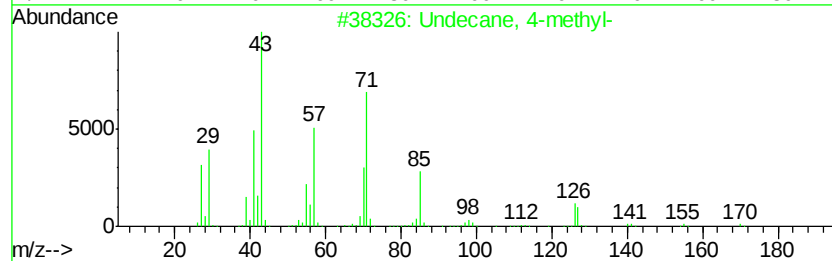
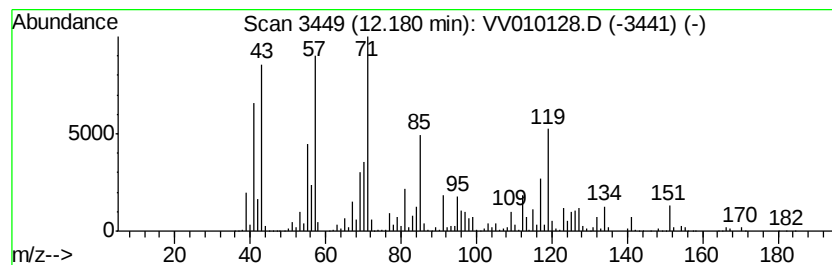
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Quant Title : VOC Analysis

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	85.34 ug/L	10852400	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 4-methyl-	170	C12H26	002980-69-0	49
2			Undecane, 2-methyl-	170	C12H26	007045-71-8	46
3			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	43
4			1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	43
5			Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

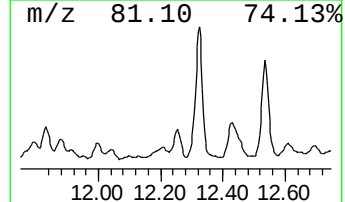
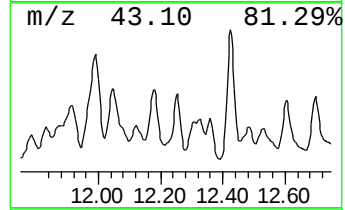
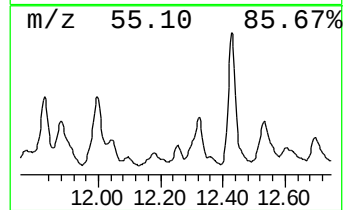
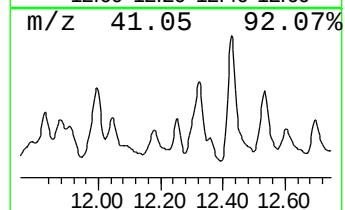
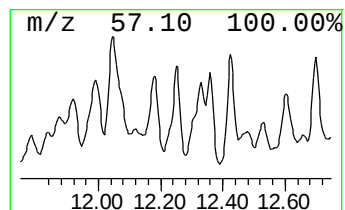
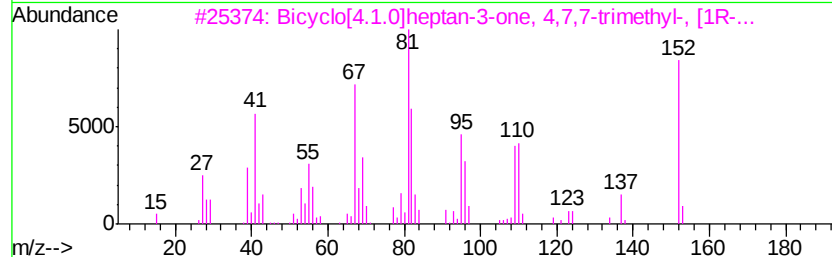
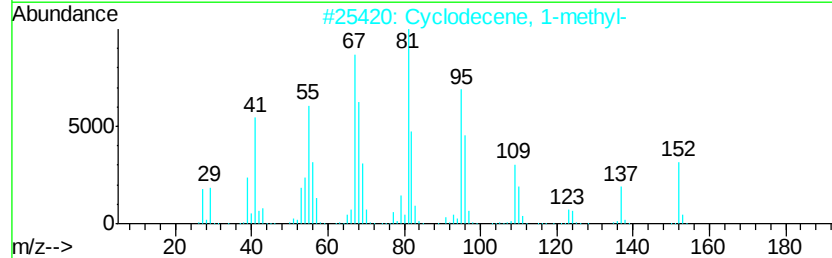
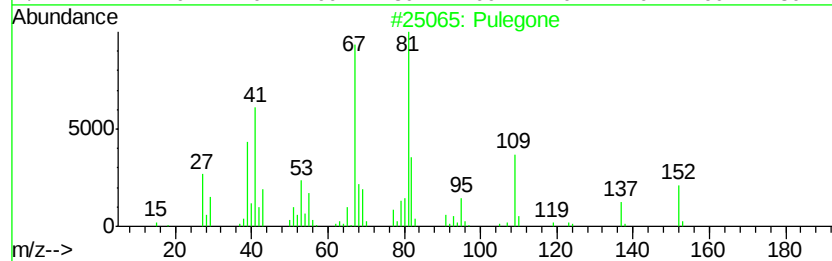
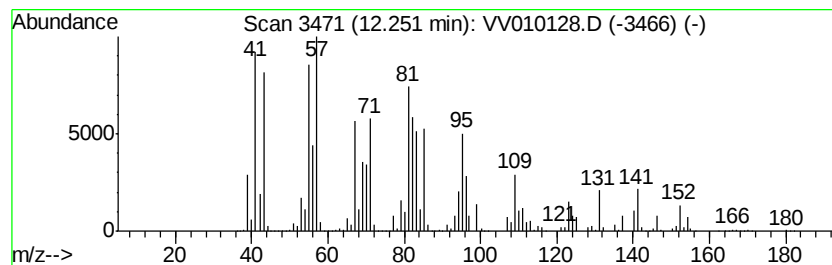
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 54 Pulegone Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	87.29 ug/L	11099700	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Pulegone		152 C10H16O	000089-82-7 70
2	Cyclodecene, 1-methyl-		152 C11H20	066633-38-3 64
3	Bicyclo[4.1.0]heptan-3-one, 4,7,...		152 C10H16O	004176-04-9 55
4	Thujone		152 C10H16O	000546-80-5 41
5	Cyclohexanone, 5-methyl-2-(1-met...		152 C10H16O	000529-00-0 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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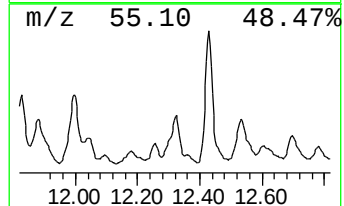
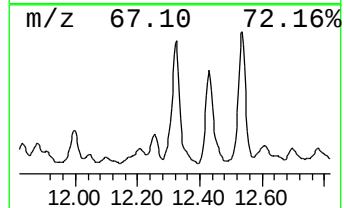
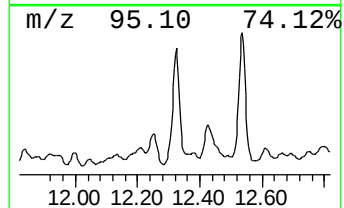
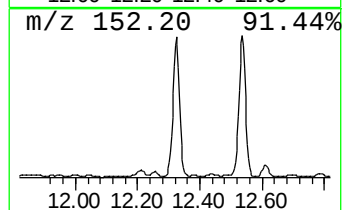
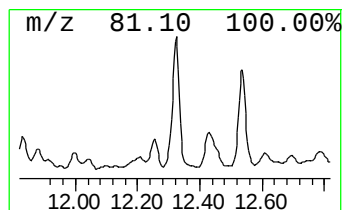
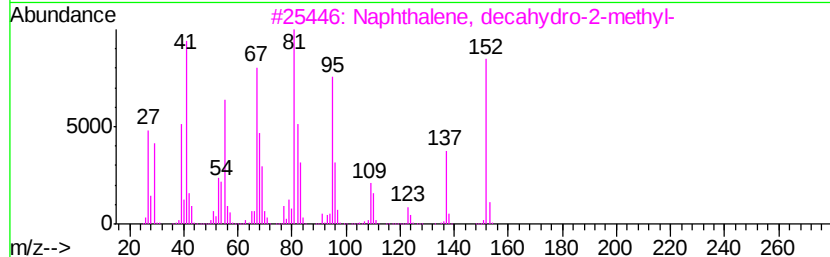
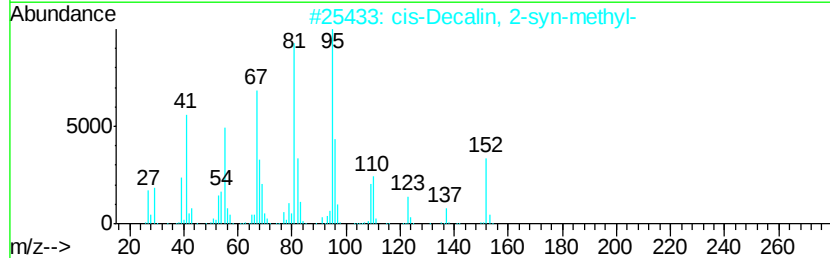
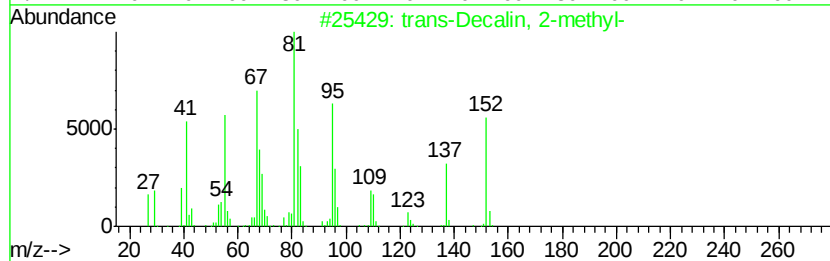
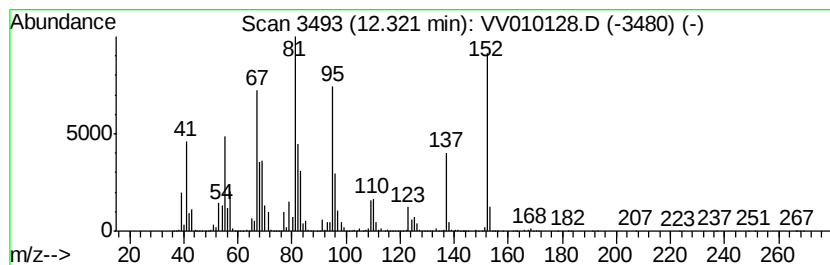
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Quant Title : VOC Analysis

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

Peak Number 55 trans-Decalin, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	401.67 ug/L	51077700	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	97
2		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	94
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
4		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	89
5		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	000529-00-0	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

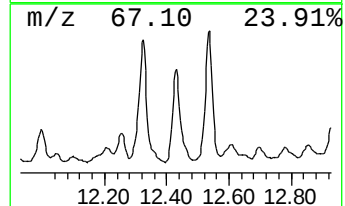
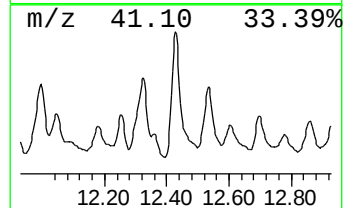
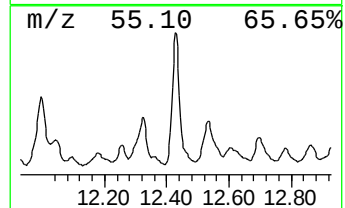
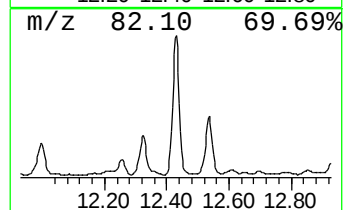
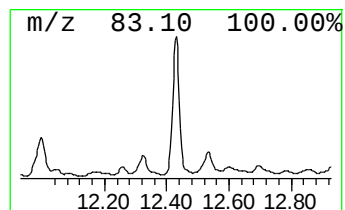
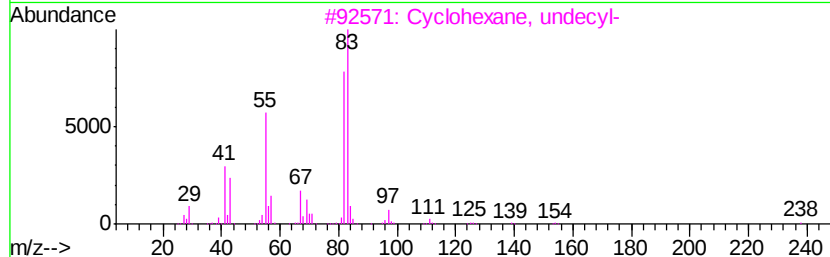
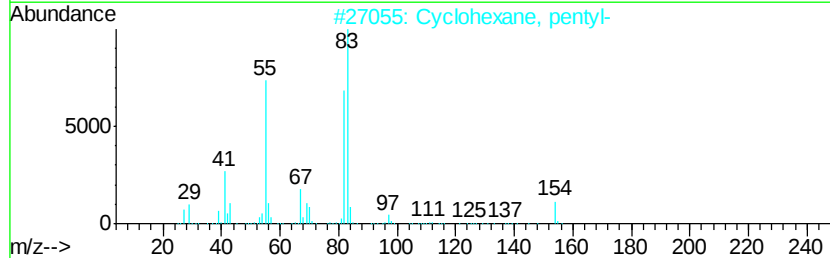
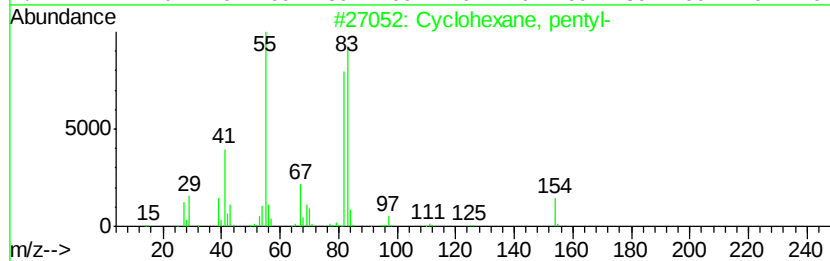
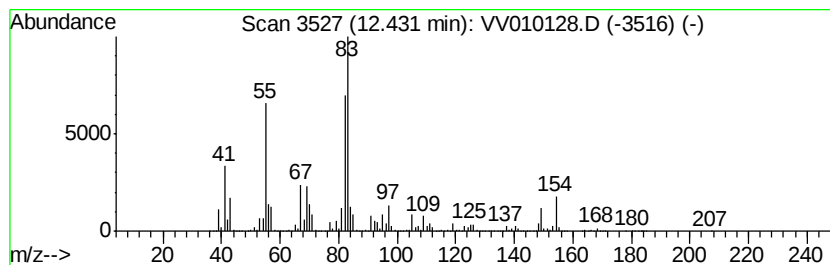
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Quant Title : VOC Analysis

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

Peak Number 56 (DEL) Alkane: Cyclic12.43 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	663.77 ug/L	84405800	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	80
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	74
3		Cyclohexane, undecyl-	238	C17H34	054105-66-7	72
4		n-Pentadecylcyclohexane	294	C21H42	006006-95-7	64
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

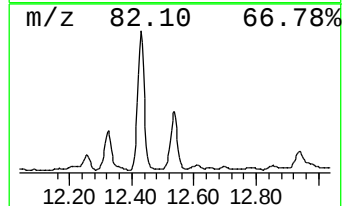
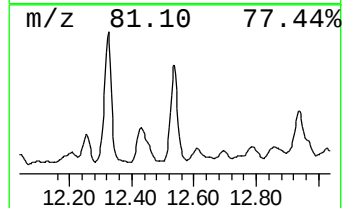
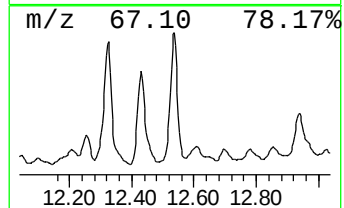
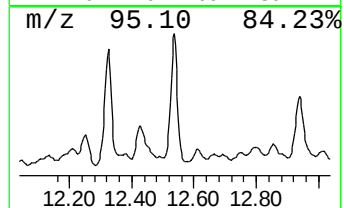
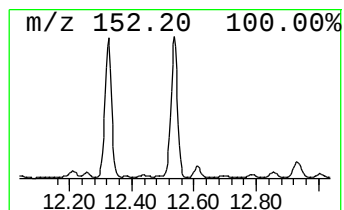
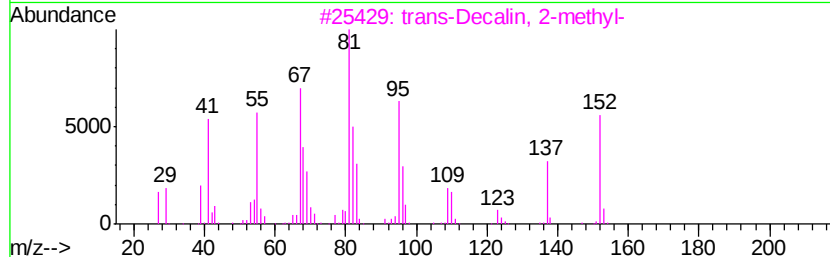
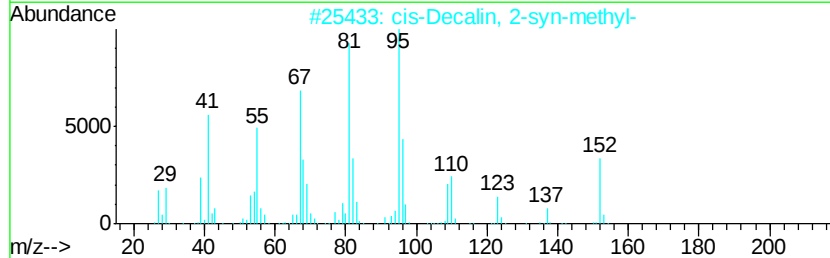
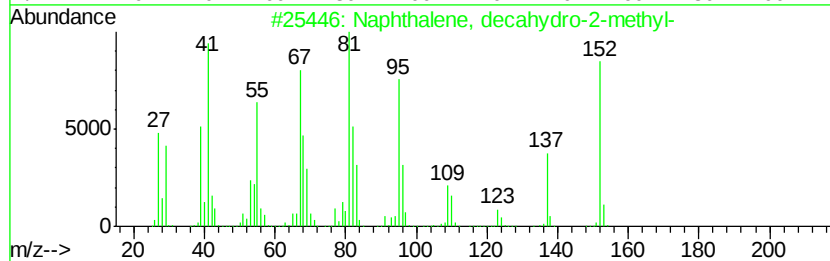
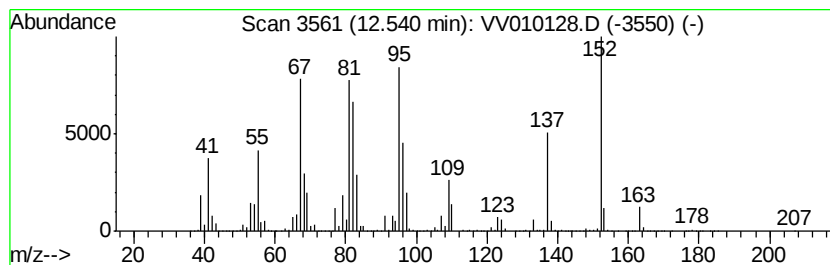
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Quant Title : VOC Analysis

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

Peak Number 57 Naphthalene, decahydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	356.70 ug/L	45358700	1,4-Dichlorobenzene-d4	11.30

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		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70
4		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	62
5		Pulegone	152	C10H16O	000089-82-7	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BF5J3

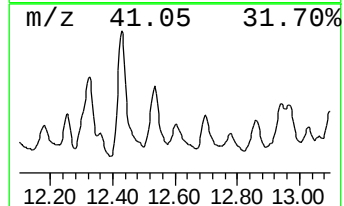
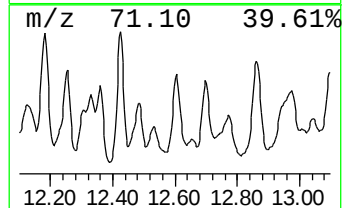
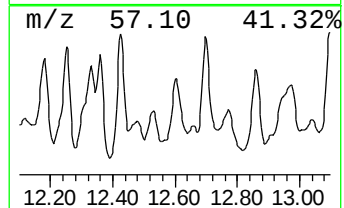
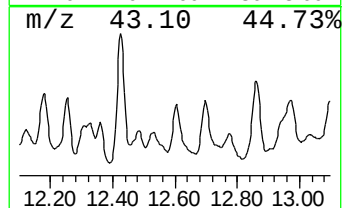
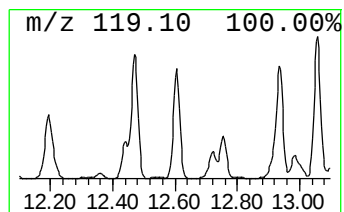
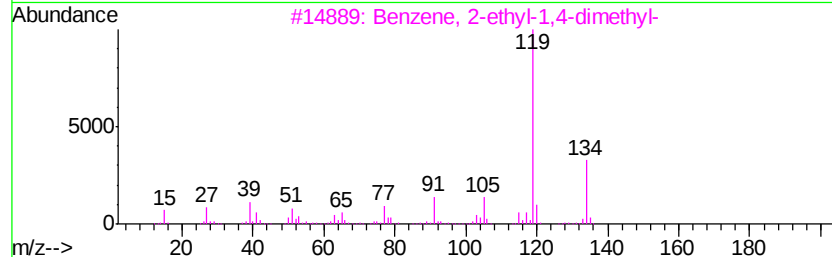
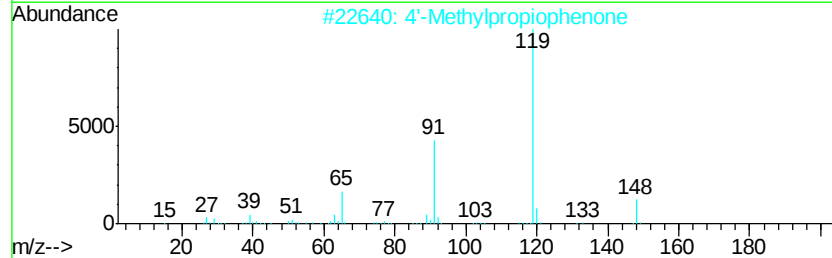
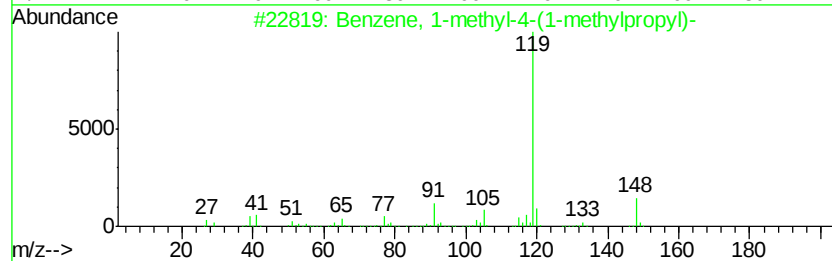
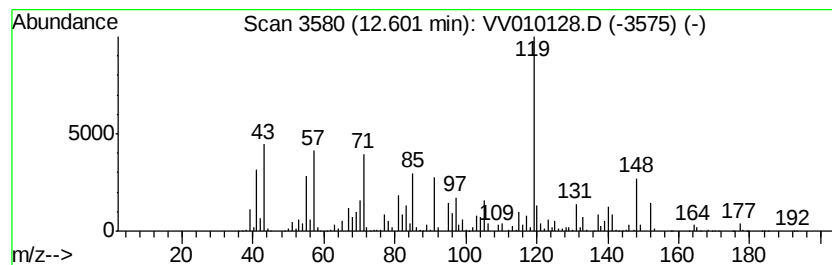
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Quant Title : VOC Analysis

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

Peak Number 58 Benzene, 1-methyl-4-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	146.45 ug/L	18622700	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	50
2		4'-Methylpropiophenone	148	C10H12O	005337-93-9	43
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	42
4		3,4-Dimethylbenzyl isothiocyanate	177	C10H11NS	206559-59-3	42
5		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

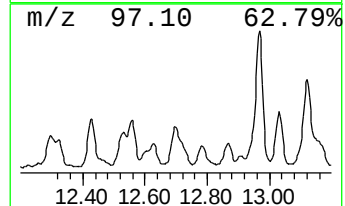
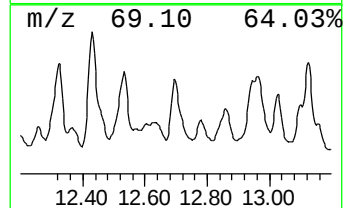
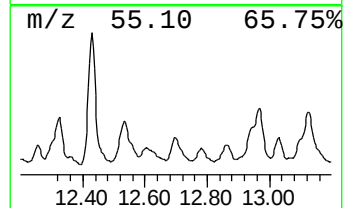
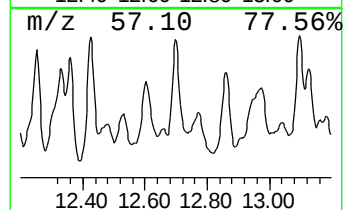
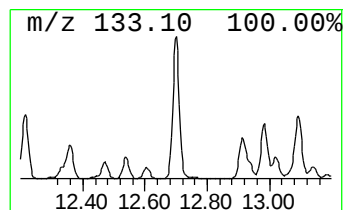
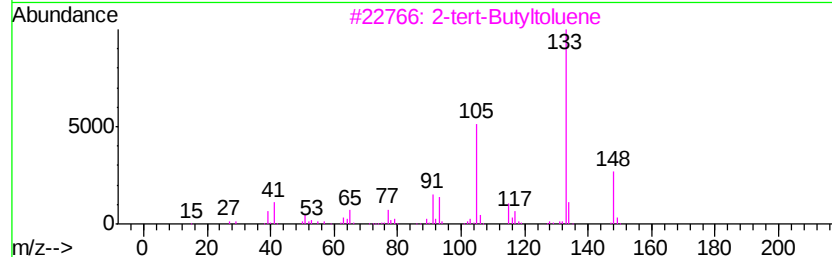
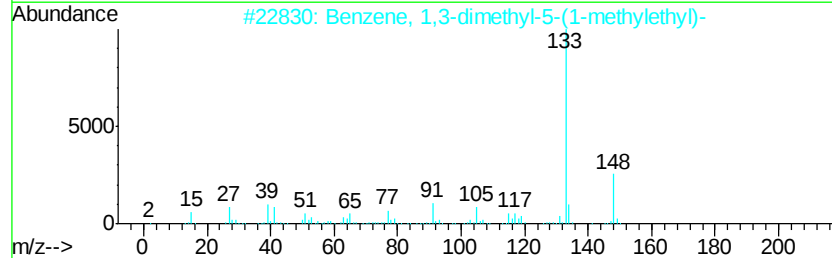
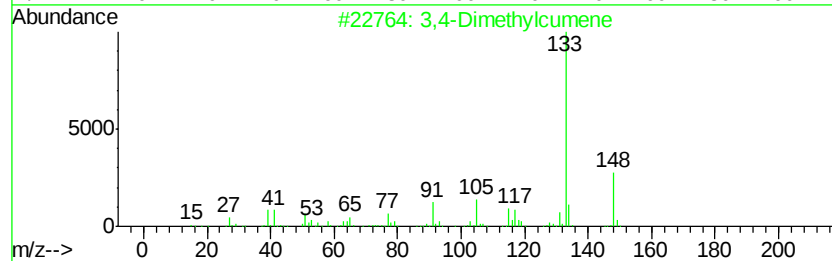
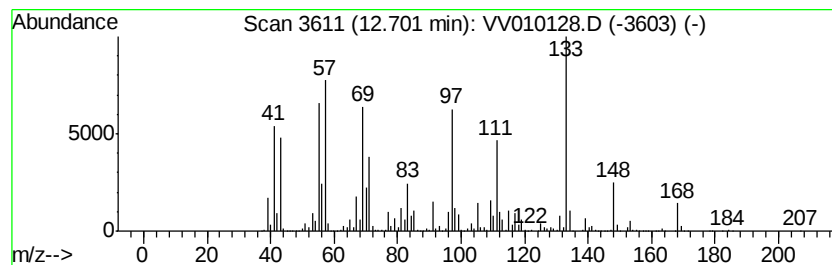
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Quant Title : VOC Analysis

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

Peak Number 59 3,4-Dimethylcumene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	134.99 ug/L	17165000	1,4-Dichlorobenzene-d4	11.30

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-methy...	148	C11H16	004706-90-5	83
3		2-tert-Butyltoluene	148	C11H16	001074-92-6	46
4		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46
5		Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

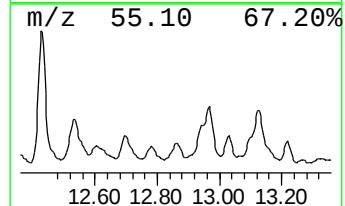
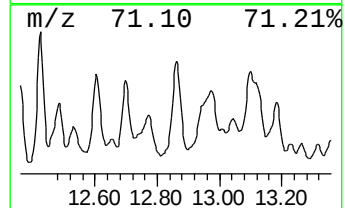
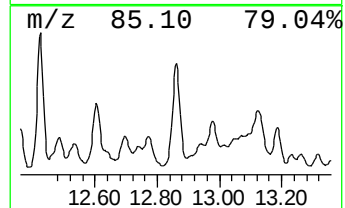
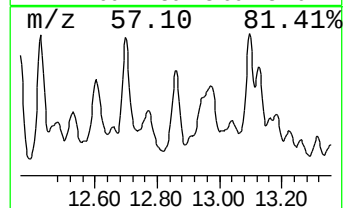
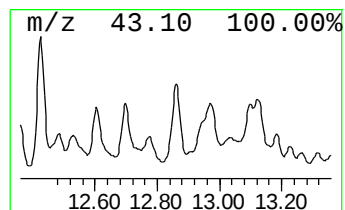
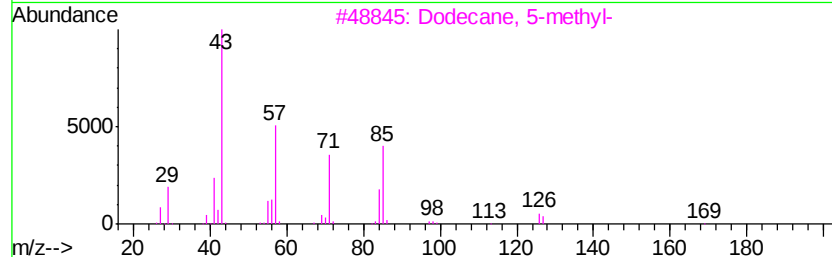
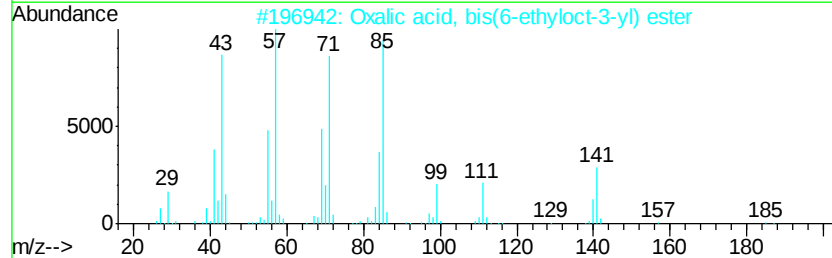
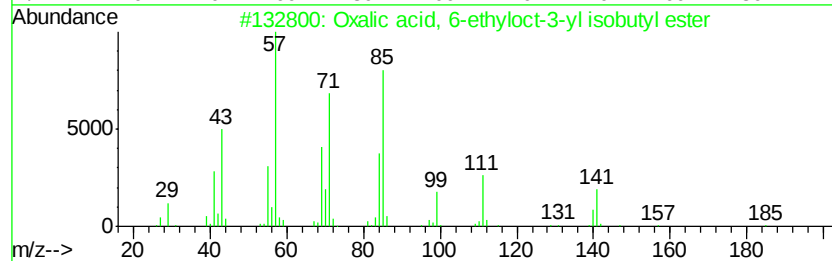
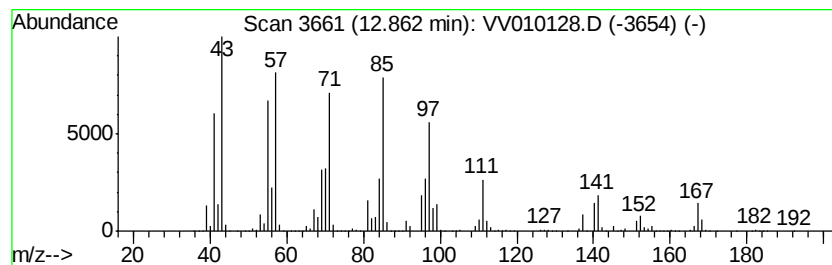
Instrument :
MSVOA_V
ClientSampleId :
BF5J3

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 60 Oxalic acid, 6-ethyloct-3-y... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.86	74.09 ug/L	9421110	1,4-Dichlorobenzene-d4	11.30		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1000309-34-1	62	
2	Oxalic acid, bis(6-ethyloct-3-yl...	370	C22H42O4	1000309-34-6	58	
3	Dodecane, 5-methyl-	184	C13H28	017453-93-9	46	
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	45	
5	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	38	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BF5J3

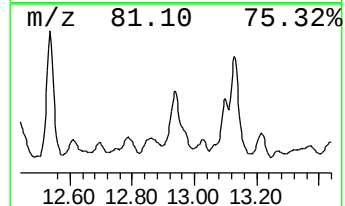
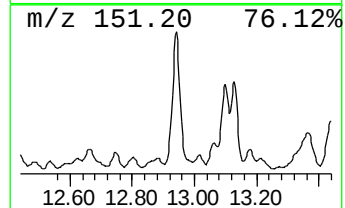
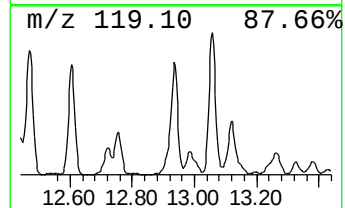
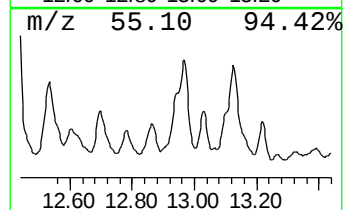
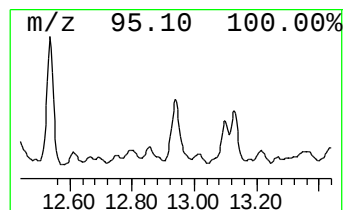
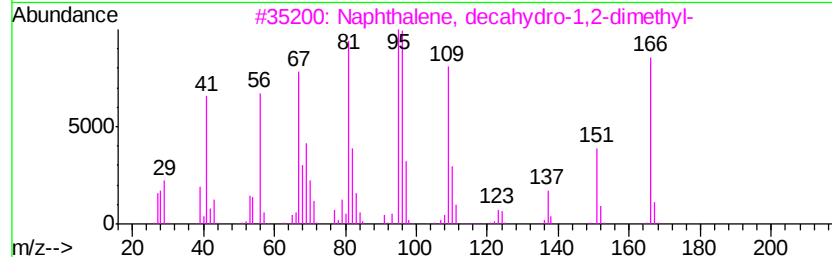
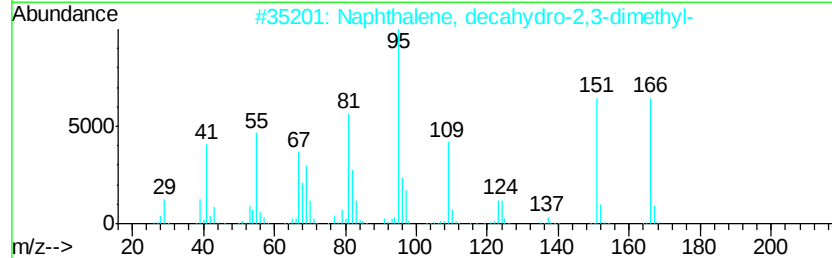
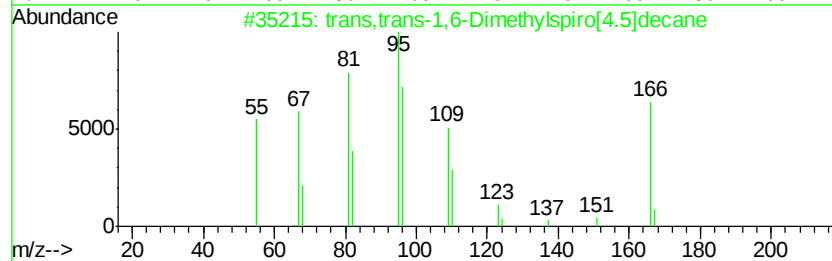
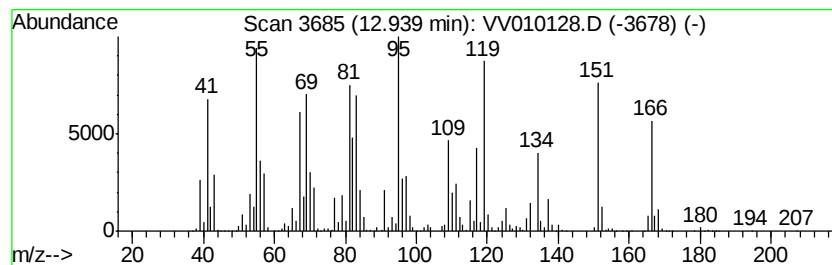
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Quant Title : VOC Analysis

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

Peak Number 61 unknown-06 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	172.96 ug/L	21994000	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans,trans-1,6-Dimethylspiro[4.5]decane	166	C12H22	1000111-72-1	46
2		Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	46
3		Naphthalene, decahydro-1,2-dimet...	166	C12H22	003604-14-6	41
4		2(1H)-Naphthalenone, octahydro-8...	166	C11H18O	001197-95-1	38
5		cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
 Data File : VV010128.D
 Acq On : 05 Apr 2019 13:10
 Operator : SY/MD
 Sample : K2148-17
 Misc : 4.70G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5J3

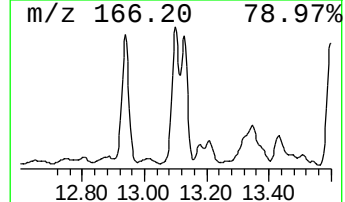
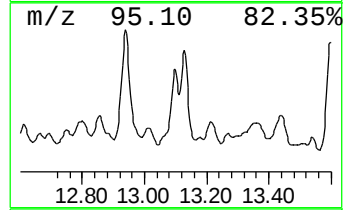
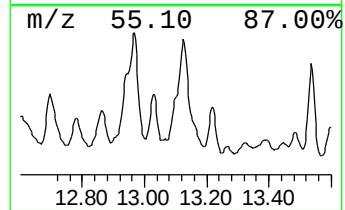
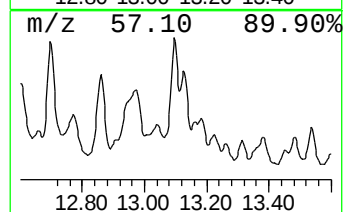
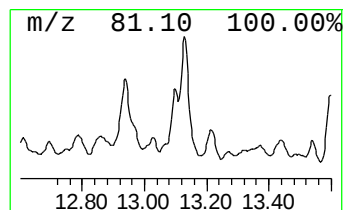
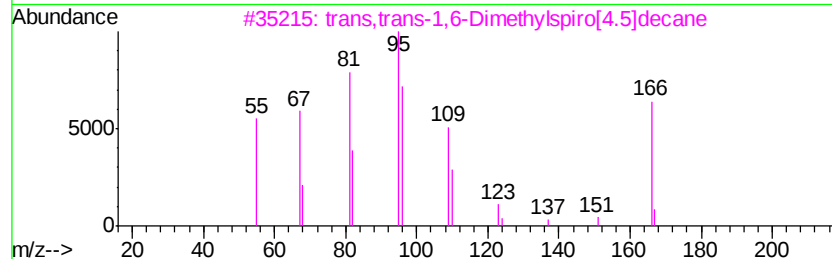
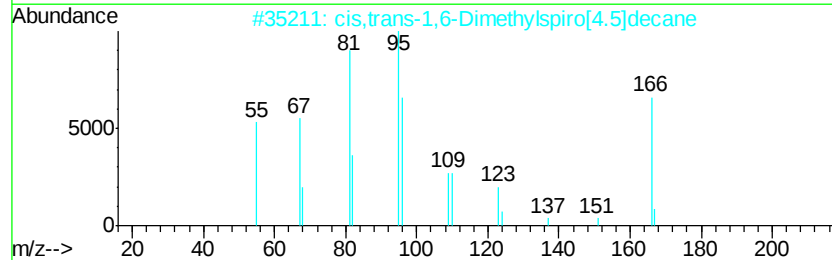
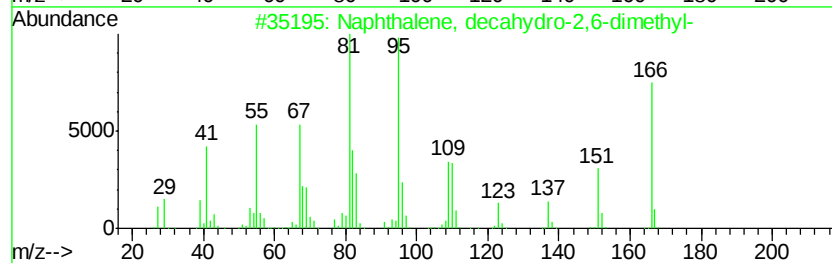
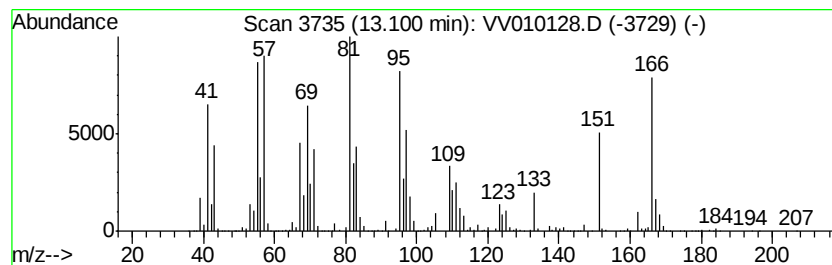
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 Quant Title : VOC Analysis

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

 Peak Number 62 Naphthalene, decahydro-2,6-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	79.31 ug/L	10085400	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	76
2		cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	52
3		trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	50
4		Tricyclo[4.3.1.1(3,8)]undecan-3-ol	166	C11H18O	014504-80-4	43
5		2(4H)-Benzofuranone, 5,6,7,7a-te...	166	C10H14O2	013341-72-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

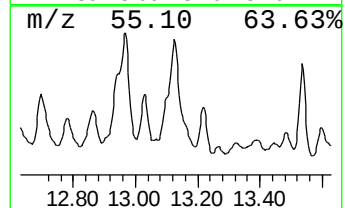
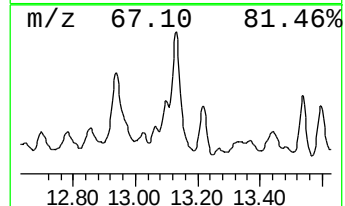
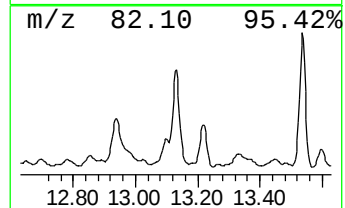
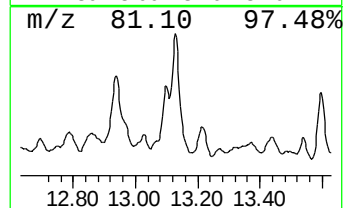
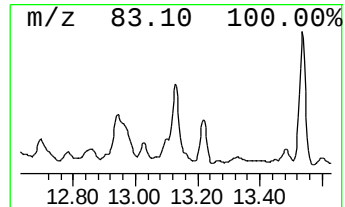
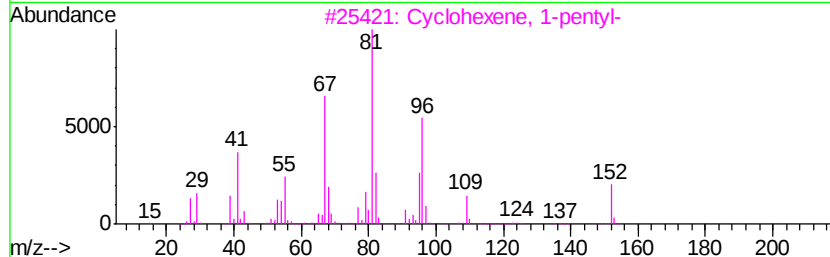
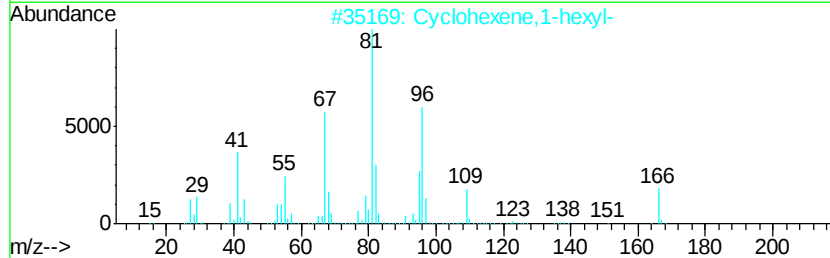
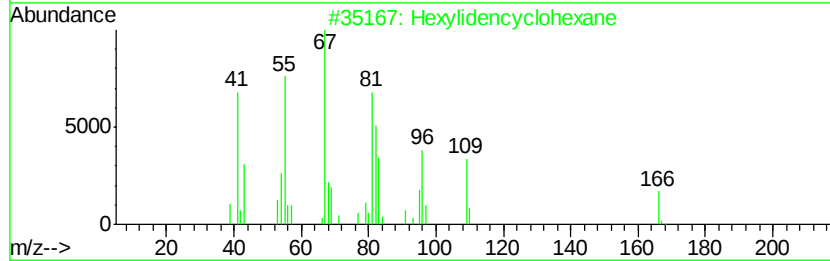
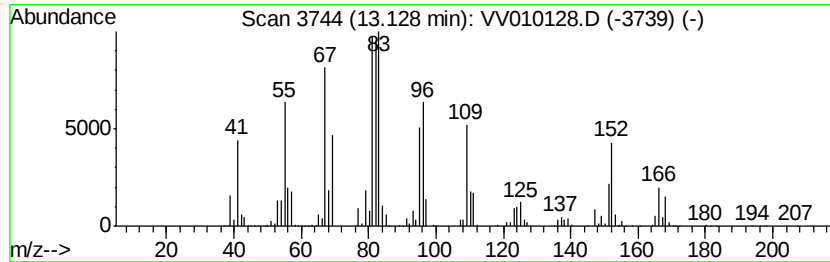
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Quant Title : VOC Analysis

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

Peak Number 63 Hexylidencyclohexane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	312.79 ug/L	39775100	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexylidencyclohexane	166	C12H22	010201-62-4	92
2		Cyclohexene, 1-hexyl-	166	C12H22	003964-66-7	86
3		Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	70
4		Bicyclo[4.1.0]heptane, 7-pentyl-	166	C12H22	041977-45-1	60
5		Cyclododecene, (E)-	166	C12H22	001486-75-5	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

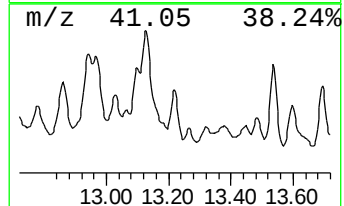
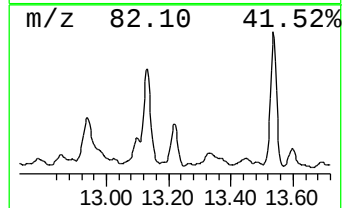
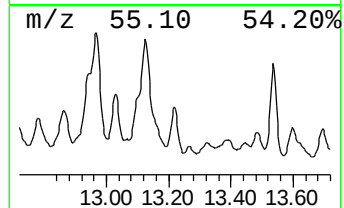
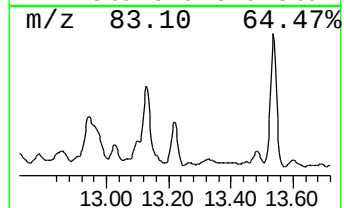
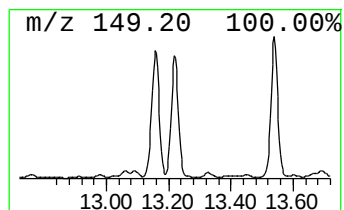
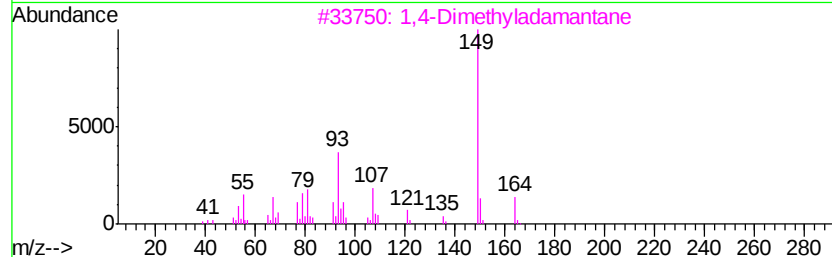
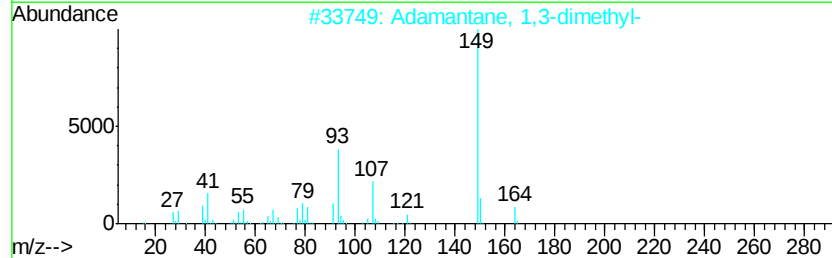
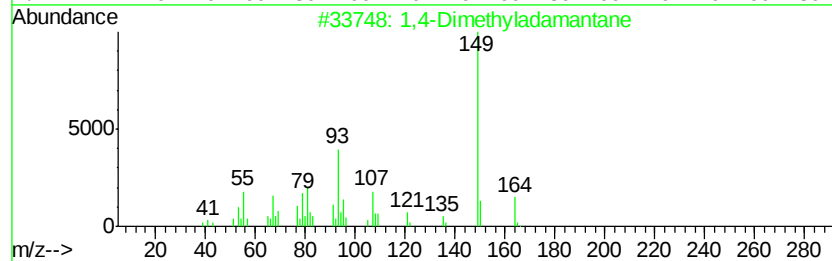
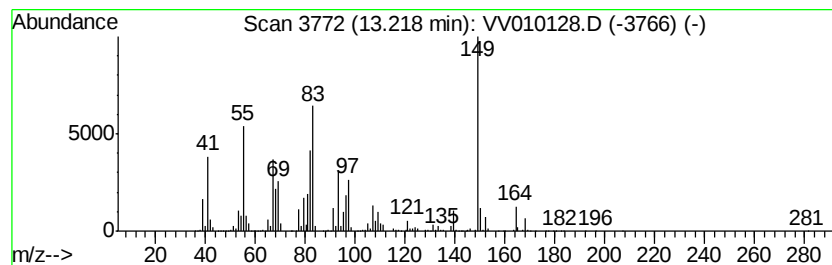
Instrument :
MSVOA_V
ClientSampleId :
BF5J3

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 64 1,4-Dimethyladamantane Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	94.18 ug/L	11976600	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,4-Dimethyladamantane	164	C12H20	024145-88-8 50
2	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4 46
3	1,4-Dimethyladamantane	164	C12H20	024145-89-9 46
4	(Z)-2-((Hex-3-enyloxy)carbonyl)b...	248	C14H16O4	1000373-67-1 37
5	Benzothiazole, 2-methyl-	149	C8H7NS	000120-75-2 35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

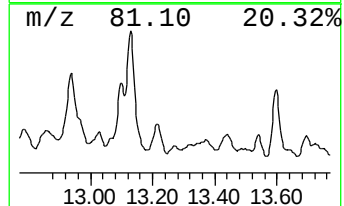
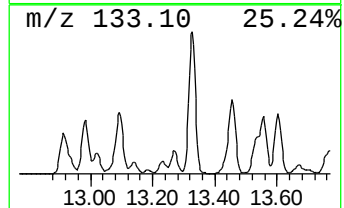
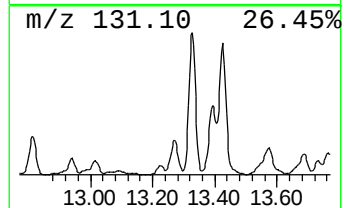
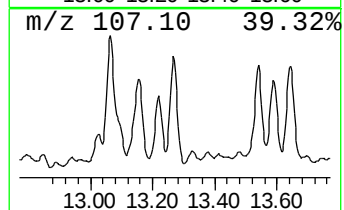
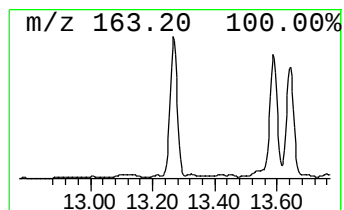
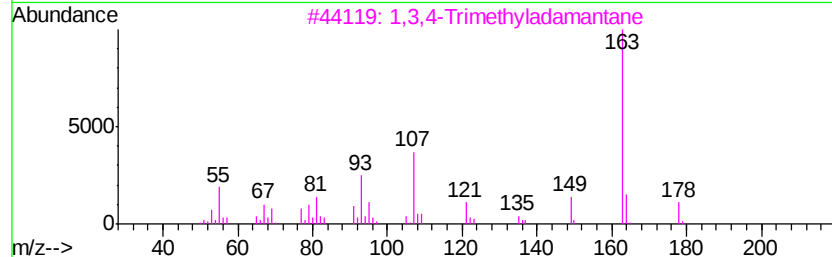
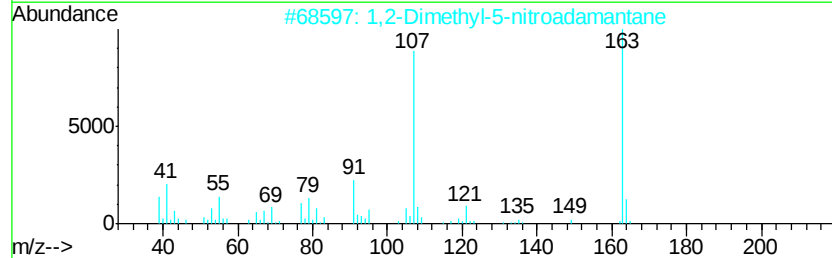
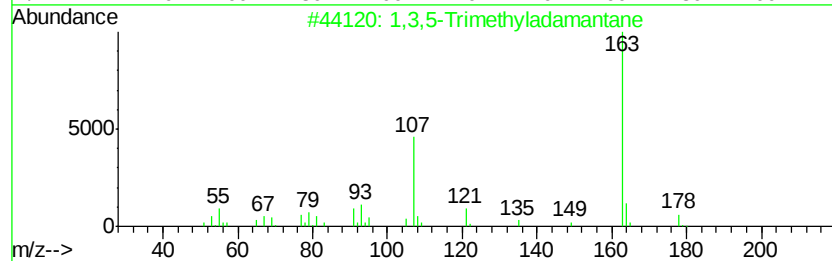
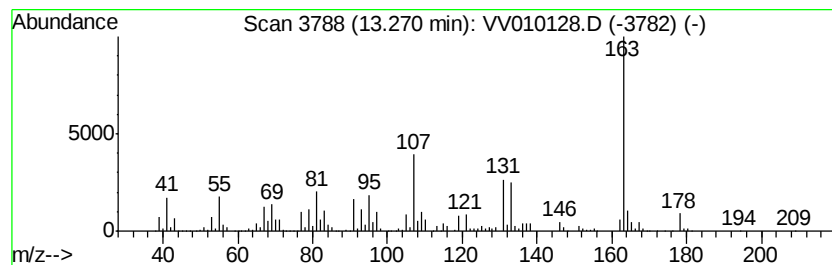
Instrument :
MSVOA_V
ClientSampleId :
BF5J3

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 65 1,3,5-Trimethyladamantane Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.27	40.49 ug/L	5148600	1,4-Dichlorobenzene-d4	11.30		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	52
2		1,2-Dimethyl-5-nitroadamantane	209	C12H19NO2	006588-68-7	47
3		1,3,4-Trimethyladamantane	178	C13H22	1000214-98-3	46
4		1H-Indazole, 5-nitro-	163	C7H5N3O2	005401-94-5	43
5		1,3,6-Trimethyladamantane	178	C13H22	024139-37-5	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

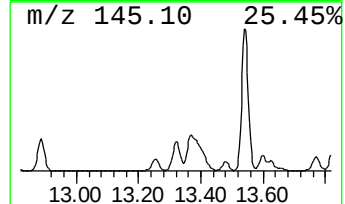
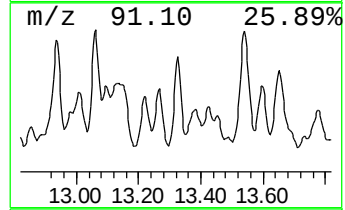
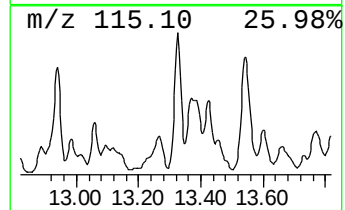
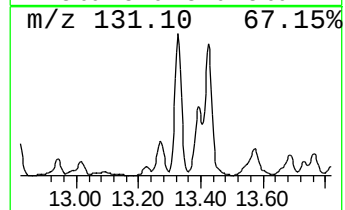
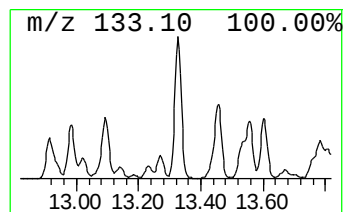
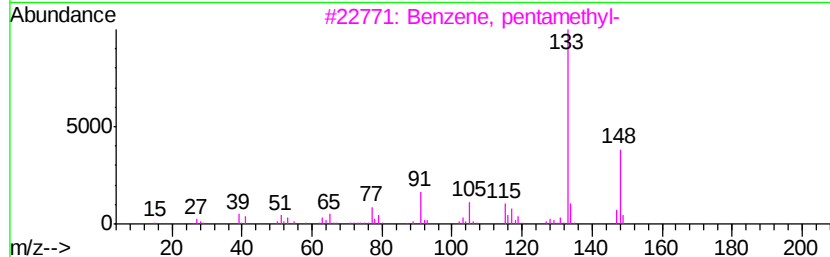
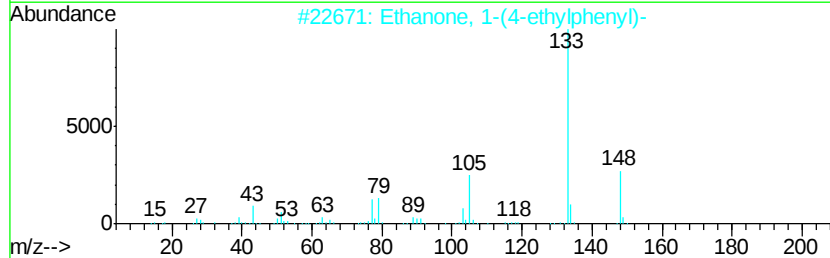
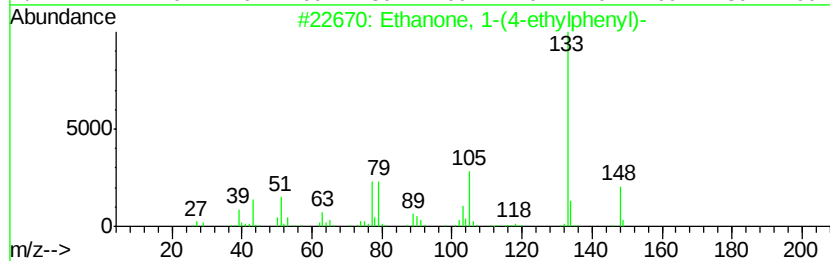
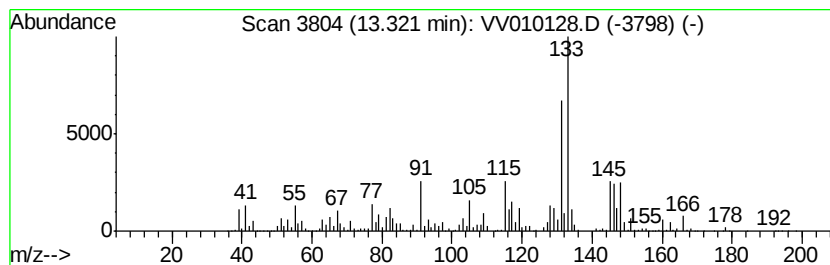
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Quant Title : VOC Analysis

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

Peak Number 66 unknown-07 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	73.71 ug/L	9372540	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	46
2			Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	46
3			Benzene, pentamethyl-	148	C11H16	000700-12-9	45
4			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	45
5			Benzene, (3-chloro-1-methyl-1-pr...	166	C10H11Cl	1000327-43-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

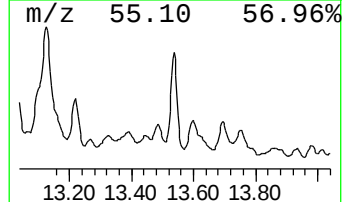
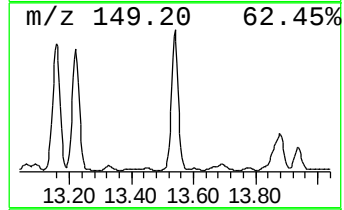
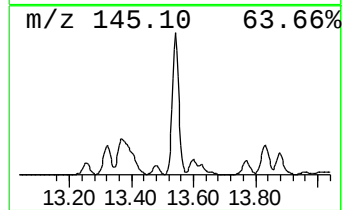
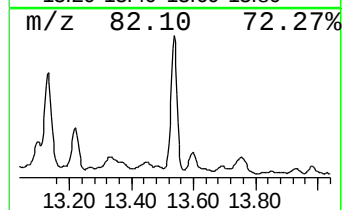
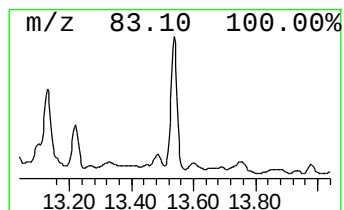
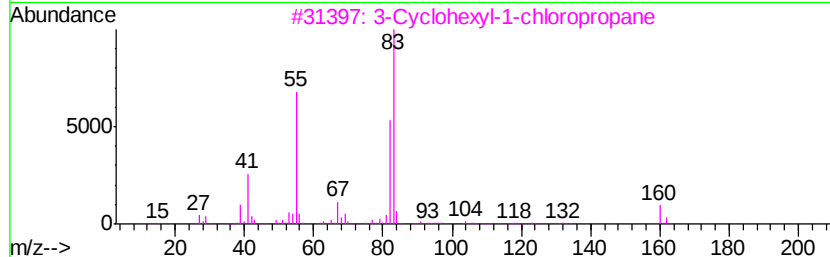
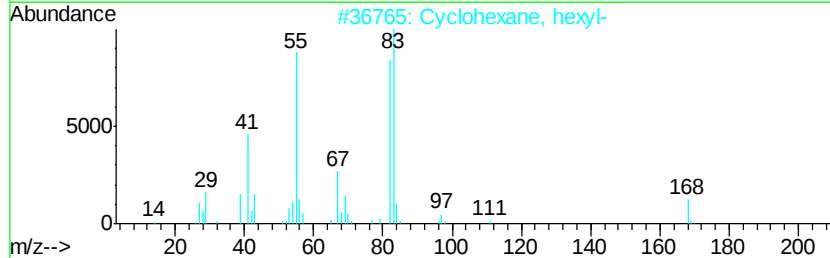
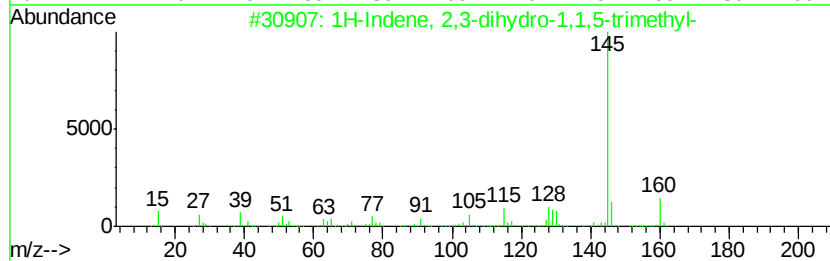
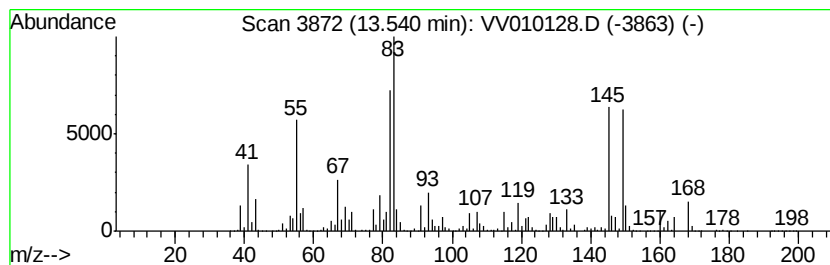
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Quant Title : VOC Analysis

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

Peak Number 67 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	207.26 ug/L	26355200	1,4-Dichlorobenzene-d4	11.30

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		Cyclohexane, hexyl-	168	C12H24	004292-75-5	50
3		3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	45
4		Cyclohexane, hexyl-	168	C12H24	004292-75-5	45
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	44



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

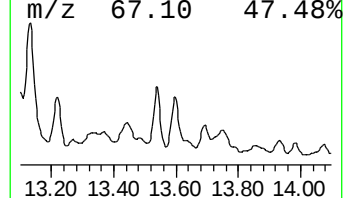
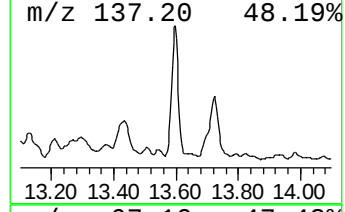
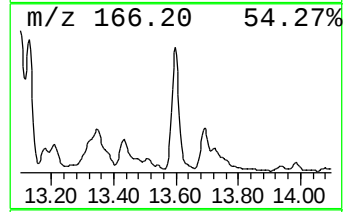
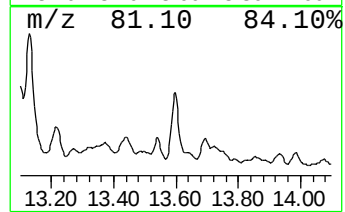
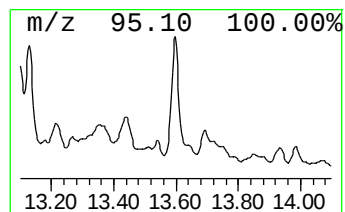
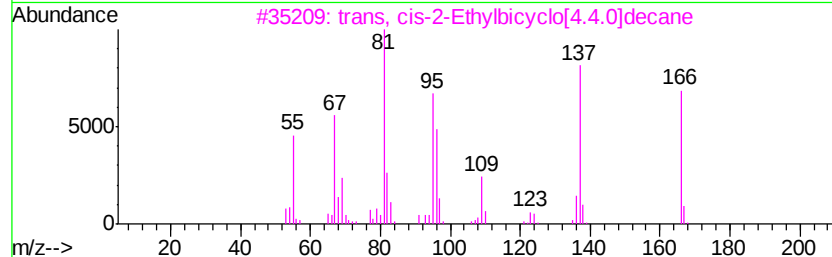
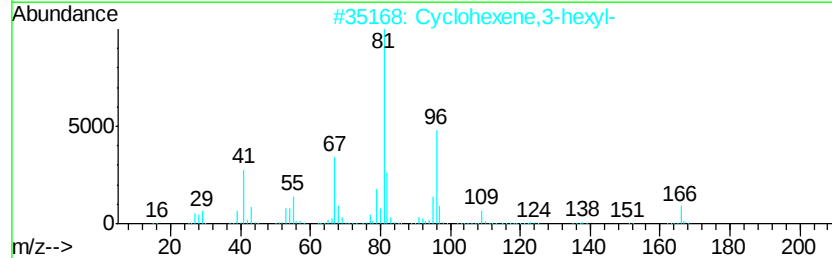
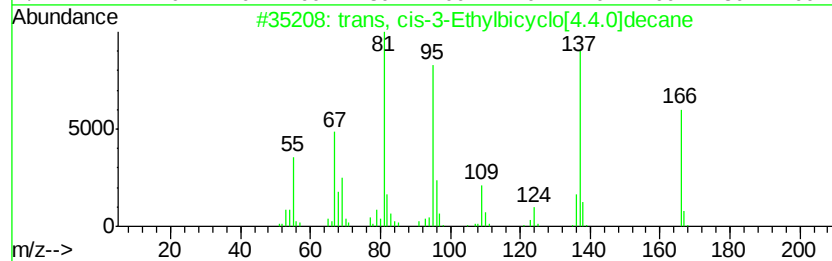
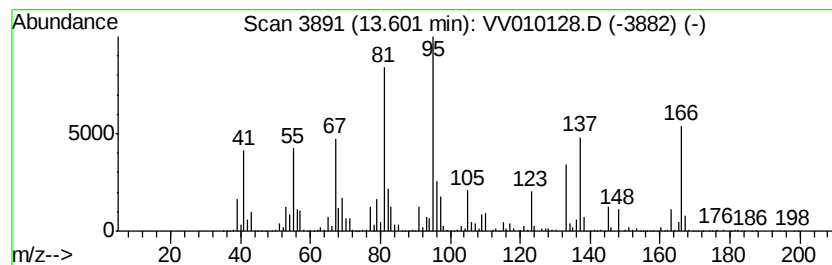
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Quant Title : VOC Analysis

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

Peak Number 68 trans, cis-3-Ethylbicyclo[4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	107.75 ug/L	13701900	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	53		
2	Cyclohexene,3-hexyl-	166	C12H22	015232-78-7	50		
3	trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	50		
4	cis,cis- and cis,trans-1,9-dimet...	166	C12H22	1000111-72-5	43		
5	Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	38		



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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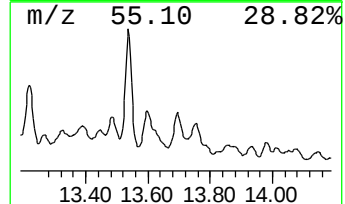
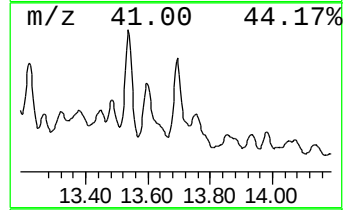
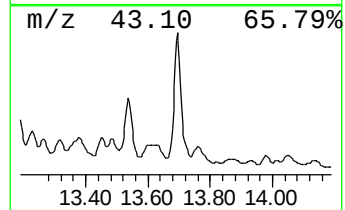
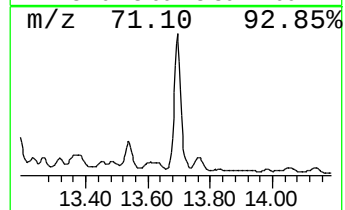
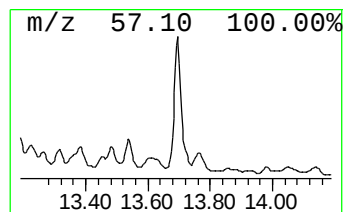
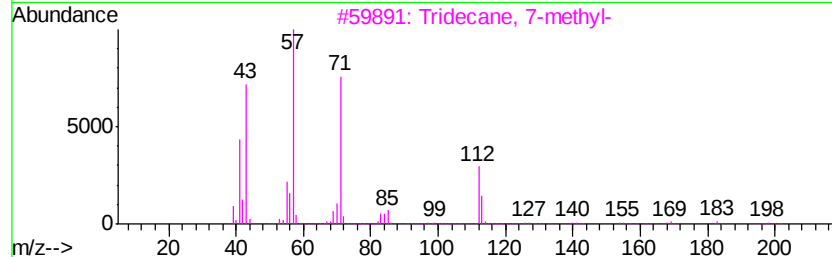
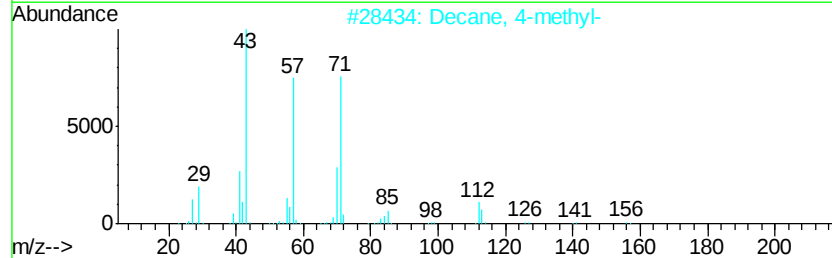
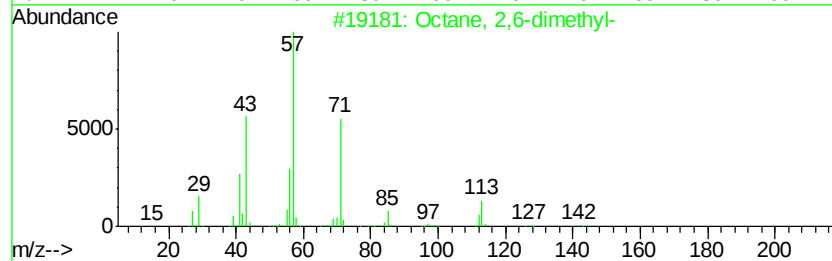
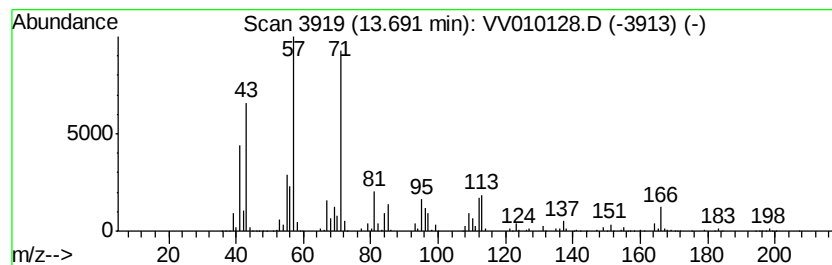
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Quant Title : VOC Analysis

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

Peak Number 69 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	81.57 ug/L	10372600	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
2		Decane, 4-methyl-	156	C11H24	002847-72-5	64
3		Tridecane, 7-methyl-	198	C14H30	026730-14-3	58
4		Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	53
5		Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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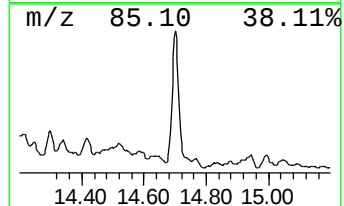
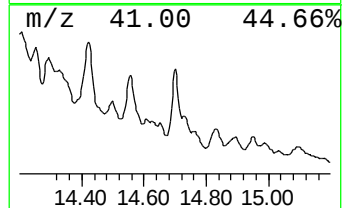
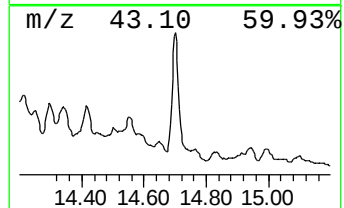
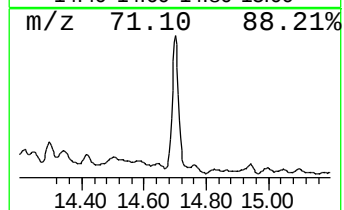
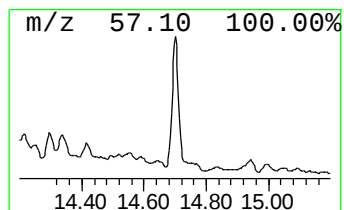
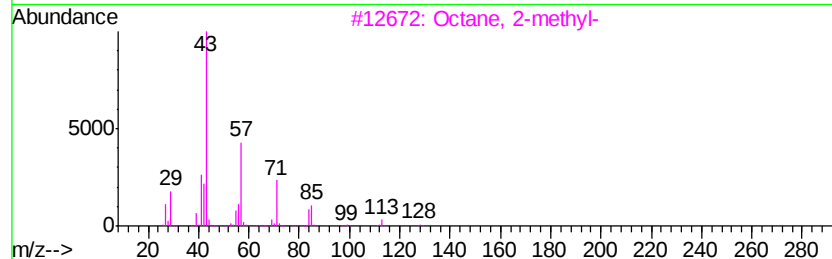
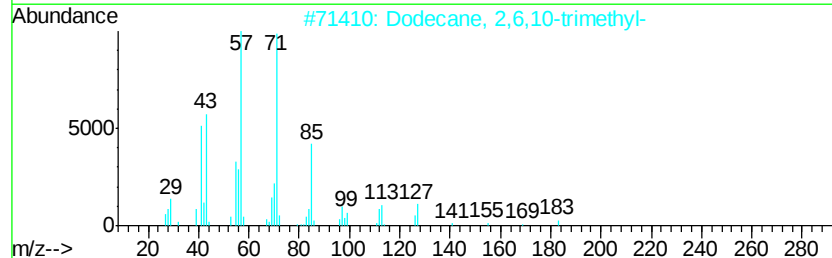
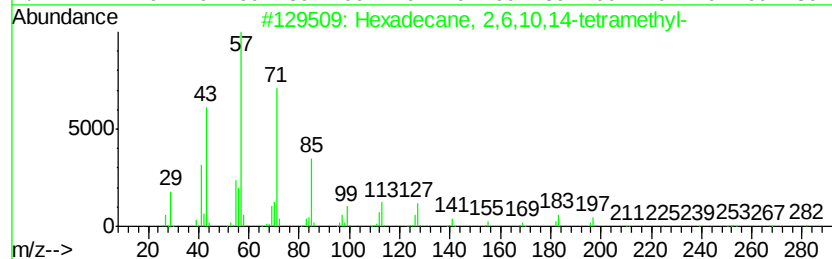
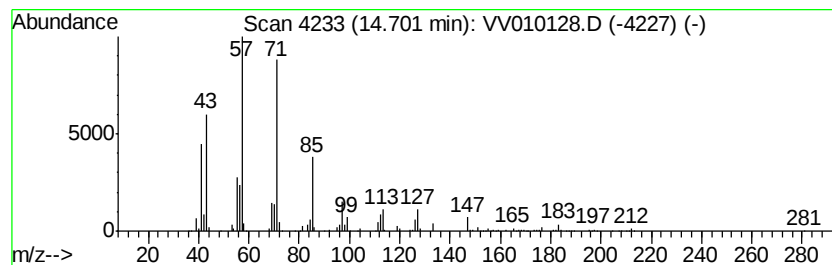
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Quant Title : VOC Analysis

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

Peak Number 70 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	6.81 ug/L	865633	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
3			Octane, 2-methyl-	128	C9H20	003221-61-2	81
4			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	72
5			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

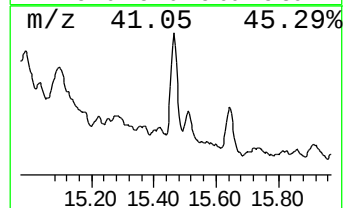
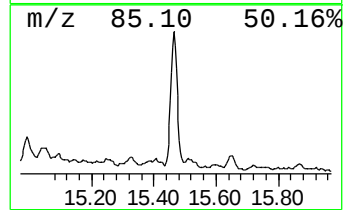
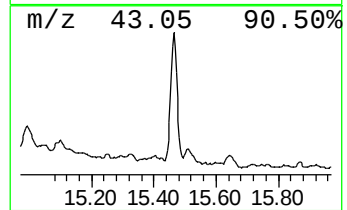
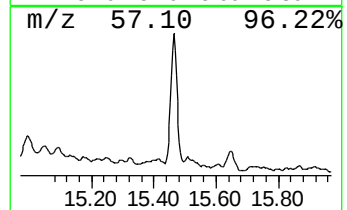
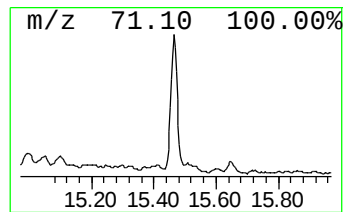
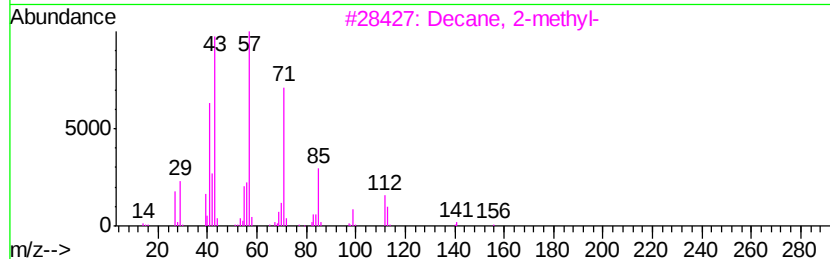
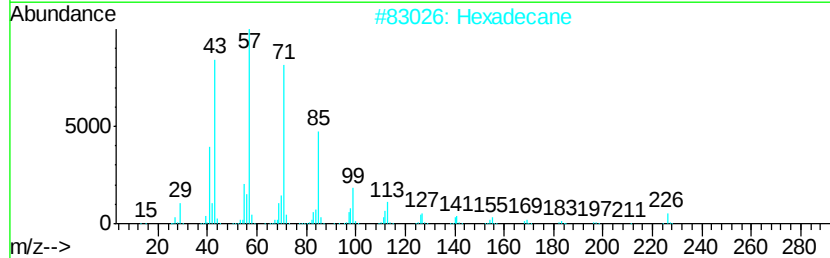
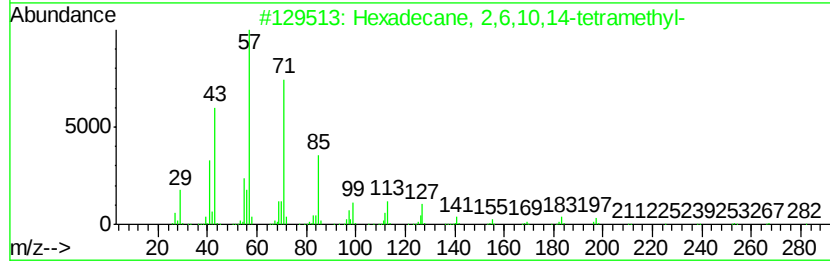
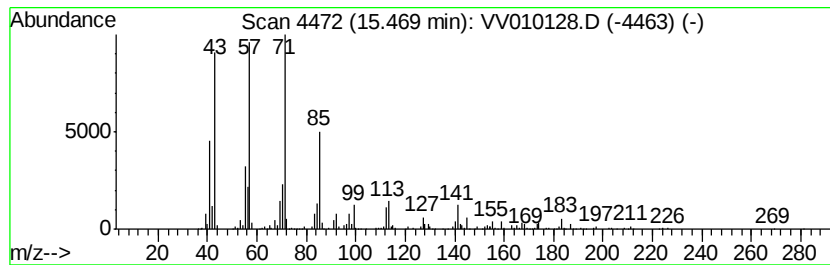
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Quant Title : VOC Analysis

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

Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	4.44 ug/L	564747	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
2			Hexadecane	226	C16H34	000544-76-3	86
3			Decane, 2-methyl-	156	C11H24	006975-98-0	83
4			Dodecane, 4-methyl-	184	C13H28	006117-97-1	76
5			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040519\
Data File : VV010128.D
Acq On : 05 Apr 2019 13:10
Operator : SY/MD
Sample : K2148-17
Misc : 4.70G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5J3

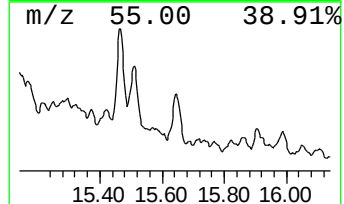
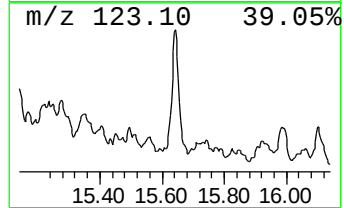
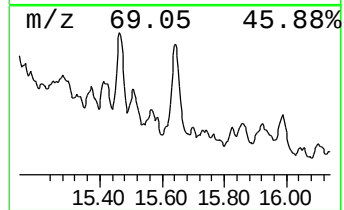
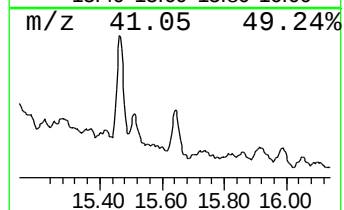
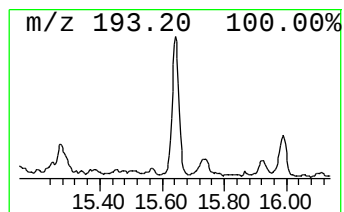
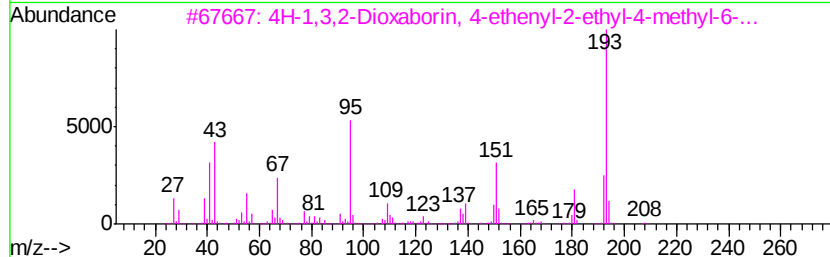
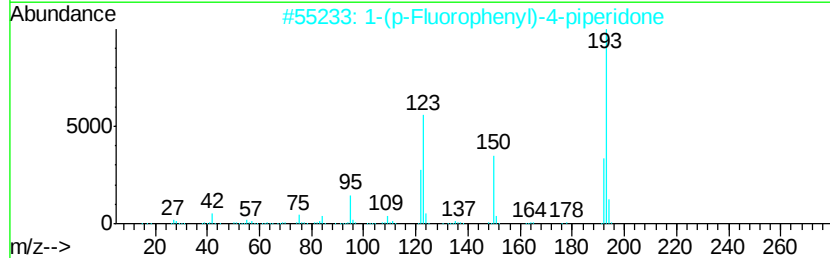
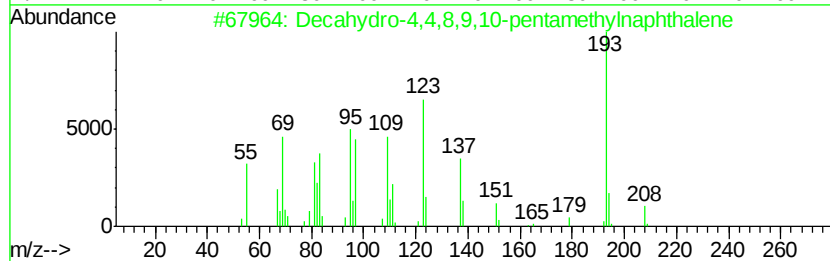
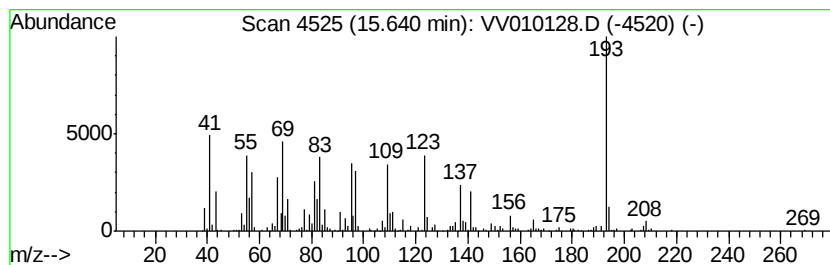
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

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

Peak Number 72 Decahydro-4,4,8,9,10-pentam... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	2.82 ug/L	358406	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	70
2			1-(p-Fluorophenyl)-4-piperidone	193	C11H12FN0	1000238-56-7	38
3			4H-1,3,2-Dioxaborin, 4-ethenyl-2...	208	C12H21B02	074630-04-9	38
4			2-Anthracenamine	193	C14H11N	000613-13-8	35
5			2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	32



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
 Data File : VV010128.D
 Acq On : 05 Apr 2019 13:10
 Operator : SY/MD
 Sample : K2148-17
 Misc : 4.70G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5J3

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	6.24	1.7	ug/L	44557	1	5.66	641483	25.0
(DEL) Alkane: Str...	6.30	2.2	ug/L	56086	1	5.66	641483	25.0
(DEL) Alkane: Cyc...	6.50	4.3	ug/L	109875	1	5.66	641483	25.0
(DEL) Alkane: Cyc...	6.68	6.2	ug/L	159576	1	5.66	641483	25.0
(DEL) Alkane: Str...	6.82	1.6	ug/L	42273	1	5.66	641483	25.0
(DEL) Alkane: Str...	6.88	2.6	ug/L	65760	1	5.66	641483	25.0
Pentyl acetoacetate	6.92	1.5	ug/L	39154	1	5.66	641483	25.0
unknown-01	7.03	8.8	ug/L	224789	1	5.66	641483	25.0
(DEL) Alkane: Str...	7.08	2.2	ug/L	55487	1	5.66	641483	25.0
(DEL) Alkane: Str...	7.21	3.7	ug/L	94515	1	5.66	641483	25.0
(DEL) Alkane: Cyc...	7.31	20.0	ug/L	782506	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	7.49	7.9	ug/L	307986	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	7.56	4.6	ug/L	179416	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	7.83	12.3	ug/L	480687	2	8.90	978292	25.0
unknown-02	7.89	3.4	ug/L	134156	2	8.90	978292	25.0
(DEL) Alkane: Str...	7.95	4.5	ug/L	177634	2	8.90	978292	25.0
(DEL) Alkane: Str...	8.02	8.2	ug/L	321035	2	8.90	978292	25.0
(DEL) Alkane: Str...	8.25	57.9	ug/L	2264040	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	8.33	38.0	ug/L	1488540	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	8.40	80.5	ug/L	3151920	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	8.55	17.3	ug/L	675963	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	8.64	119.4	ug/L	4674020	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	8.77	2.6	ug/L	100989	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	8.82	5.6	ug/L	218188	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	8.96	29.9	ug/L	1168930	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	9.04	49.1	ug/L	1923210	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	9.11	6.8	ug/L	266155	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	9.15	106.6	ug/L	4169580	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	9.20	180.9	ug/L	7079440	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	9.24	138.3	ug/L	5412490	2	8.90	978292	25.0
unknown-03	9.36	69.1	ug/L	2704210	2	8.90	978292	25.0
(DEL) Alkane: Str...	9.46	30.1	ug/L	1178430	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	9.52	305.2	ug/L	11942800	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	9.60	40.3	ug/L	1575920	2	8.90	978292	25.0
(DEL) Alkane: Str...	9.68	37.0	ug/L	1448620	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	9.72	95.2	ug/L	3725970	2	8.90	978292	25.0
(DEL) Alkane: Str...	9.76	459.0	ug/L	17961300	2	8.90	978292	25.0
(DEL) Alkane: Cyc...	9.85	603.3	ug/L	23609100	2	8.90	978292	25.0
(DEL) Alkane: Str...	10.07	215.2	ug/L	8420550	2	8.90	978292	25.0
Cyclooctene, 3-me...	10.18	38.4	ug/L	4884340	3	11.30	3179060	25.0
(DEL) Alkane: Cyc...	10.45	72.7	ug/L	9238540	3	11.30	3179060	25.0
(DEL) Alkane: Cyc...	10.50	80.5	ug/L	10242300	3	11.30	3179060	25.0
(DEL) Alkane: Cyc...	10.56	142.9	ug/L	18170500	3	11.30	3179060	25.0
unknown-04	10.62	99.0	ug/L	12595000	3	11.30	3179060	25.0
Cyclopentane, 1,1...	10.77	42.8	ug/L	5437260	3	11.30	3179060	25.0
unknown-05	10.95	93.3	ug/L	11858800	3	11.30	3179060	25.0
(DEL) Alkane: Str...	11.09	112.6	ug/L	14318900	3	11.30	3179060	25.0
(DEL) Alkane: Cyc...	11.21	163.5	ug/L	20796600	3	11.30	3179060	25.0
(DEL) Alkane: Cyc...	11.48	47.3	ug/L	6017670	3	11.30	3179060	25.0

Benzene, 1,3-diet...	11.60	49.8 ug/L	6336630	3	11.30	3179060	25.0
Cyclopentane, 1-h...	11.83	78.8 ug/L	10019500	3	11.30	3179060	25.0
(DEL) Alkane: Cyc...	12.00	221.2 ug/L	28123500	3	11.30	3179060	25.0
(DEL) Alkane: Str...	12.18	85.3 ug/L	10852400	3	11.30	3179060	25.0
Pulegone	12.25	87.3 ug/L	11099700	3	11.30	3179060	25.0
trans-Decalin, 2-...	12.32	401.7 ug/L	51077700	3	11.30	3179060	25.0
(DEL) Alkane: Cyc...	12.43	663.8 ug/L	84405800	3	11.30	3179060	25.0
Naphthalene, deca...	12.54	356.7 ug/L	45358700	3	11.30	3179060	25.0
Benzene, 1-methyl...	12.60	146.4 ug/L	18622700	3	11.30	3179060	25.0
3,4-Dimethylcumene	12.70	135.0 ug/L	17165000	3	11.30	3179060	25.0
Oxalic acid, 6-et...	12.86	74.1 ug/L	9421110	3	11.30	3179060	25.0
unknown-06	12.94	173.0 ug/L	21994000	3	11.30	3179060	25.0
Naphthalene, deca...	13.10	79.3 ug/L	10085400	3	11.30	3179060	25.0
Hexylidencyclohexane	13.13	312.8 ug/L	39775100	3	11.30	3179060	25.0
1,4-Dimethyladama...	13.22	94.2 ug/L	11976600	3	11.30	3179060	25.0
1,3,5-Trimethylad...	13.27	40.5 ug/L	5148600	3	11.30	3179060	25.0
unknown-07	13.32	73.7 ug/L	9372540	3	11.30	3179060	25.0
1H-Indene, 2,3-di...	13.54	207.3 ug/L	26355200	3	11.30	3179060	25.0
trans, cis-3-Ethy...	13.60	107.8 ug/L	13701900	3	11.30	3179060	25.0
(DEL) Alkane: Str...	13.69	81.6 ug/L	10372600	3	11.30	3179060	25.0
(DEL) Alkane: Str...	14.70	6.8 ug/L	865633	3	11.30	3179060	25.0
(DEL) Alkane: Str...	15.47	4.4 ug/L	564747	3	11.30	3179060	25.0
Decahydro-4,4,8,9...	15.64	2.8 ug/L	358406	3	11.30	3179060	25.0

Instrument :
MSVOA_V
ClientSampleId :
BF5J3