

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
 Data File : VV009085.D
 Acq On : 20 Dec 2018 15:35
 Operator : SY/MD
 Sample : J6441-07
 Misc : 4.19 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BE7Z6

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\SOM2VLM120618S.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	1.113	3	7	26	rVB2	53031	84894	0.44%	0.261%
2	1.222	36	41	47	rVB2	8065	8340	0.04%	0.026%
3	1.312	60	69	81	rVB	97703	105102	0.55%	0.323%
4	1.576	142	151	161	rVV	103776	117371	0.61%	0.361%
5	1.643	161	172	181	rVB4	4984	8301	0.04%	0.026%
6	1.766	205	210	220	rVB8	4010	6755	0.04%	0.021%
7	1.817	220	226	240	rVB4	5677	8822	0.05%	0.027%
8	1.965	254	272	313	rBV	13100439	19195619	100.00%	59.046%
9	2.126	314	322	334	rVV	226318	345298	1.80%	1.062%
10	2.196	334	344	365	rVB	36785	87972	0.46%	0.271%
11	2.315	373	381	394	rVB	16223	25483	0.13%	0.078%
12	2.534	438	449	464	rVB	16166	28735	0.15%	0.088%
13	2.987	580	590	602	rVV5	2732	5813	0.03%	0.018%
14	3.071	605	616	629	rVB3	5302	10605	0.06%	0.033%
15	3.933	870	884	901	rBV2	22608	74794	0.39%	0.230%
16	4.396	1010	1028	1050	rBV	139584	340788	1.78%	1.048%
17	4.724	1118	1130	1143	rBB4	4703	10953	0.06%	0.034%
18	5.093	1226	1245	1256	rBV3	308333	783987	4.08%	2.412%
19	5.659	1405	1421	1447	rBV	264220	527928	2.75%	1.624%
20	5.920	1487	1502	1523	rBV2	38123	98543	0.51%	0.303%
21	6.113	1546	1562	1575	rBV	171618	354441	1.85%	1.090%
22	6.235	1592	1600	1613	rVB3	15680	30491	0.16%	0.094%
23	7.029	1832	1847	1866	rVV3	104734	198384	1.03%	0.610%
24	7.305	1918	1933	1938	rBV5	10798	20539	0.11%	0.063%
25	7.357	1938	1949	1963	rVV	307544	544582	2.84%	1.675%
26	7.431	1963	1972	1982	rVV	30174	52850	0.28%	0.163%
27	7.486	1982	1989	1999	rVB8	3138	5628	0.03%	0.017%
28	7.566	2005	2014	2020	rVB6	4704	6807	0.04%	0.021%
29	7.662	2033	2044	2053	rBV	49348	85198	0.44%	0.262%
30	7.788	2074	2083	2090	rBV3	6959	11382	0.06%	0.035%
31	7.826	2090	2095	2105	rVB4	3613	5644	0.03%	0.017%
32	7.981	2126	2143	2149	rBV4	6444	14126	0.07%	0.043%
33	8.132	2179	2190	2215	rBV3	61346	138749	0.72%	0.427%
34	8.331	2244	2252	2261	rVB5	8702	15315	0.08%	0.047%

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35	8.395	2261	2272	2281	rBV2	21020	35851	0.19%	0.110%
36	8.550	2309	2320	2328	rBV6	4247	7016	0.04%	0.022%
37	8.611	2328	2339	2342	rBV5	11056	16994	0.09%	0.052%
38	8.707	2361	2369	2380	rVB4	15554	26239	0.14%	0.081%
39	8.830	2394	2407	2416	rBV2	15886	26983	0.14%	0.083%
40	8.894	2416	2427	2447	rBV	250140	438725	2.29%	1.350%
41	9.055	2462	2477	2487	rBV	21355	42330	0.22%	0.130%
42	9.154	2493	2508	2509	rBV3	16137	22424	0.12%	0.069%
43	9.183	2510	2517	2529	rVB2	45203	94613	0.49%	0.291%
44	9.241	2529	2535	2556	rVB6	19545	43120	0.22%	0.133%
45	9.360	2560	2572	2584	rBV5	13376	24416	0.13%	0.075%
46	9.453	2592	2601	2606	rBV7	9768	16851	0.09%	0.052%
47	9.518	2606	2621	2635	rBV7	47350	96127	0.50%	0.296%
48	9.588	2635	2643	2648	rBV	35866	53042	0.28%	0.163%
49	9.752	2676	2694	2703	rBV2	120772	222846	1.16%	0.685%
50	9.813	2703	2713	2714	rBV4	21748	30339	0.16%	0.093%
51	9.842	2715	2722	2730	rVV3	55088	90617	0.47%	0.279%
52	9.891	2730	2737	2748	rVB2	98895	167789	0.87%	0.516%
53	9.955	2748	2757	2759	rBV4	35424	46409	0.24%	0.143%
54	10.019	2770	2777	2782	rBV5	27388	40538	0.21%	0.125%
55	10.061	2782	2790	2799	rVV3	82664	144585	0.75%	0.445%
56	10.129	2799	2811	2816	rVV3	73806	141836	0.74%	0.436%
57	10.161	2817	2821	2833	rVB4	66381	102485	0.53%	0.315%
58	10.264	2833	2853	2870	rBV6	195740	551068	2.87%	1.695%
59	10.395	2886	2894	2899	rBV	29429	43827	0.23%	0.135%
60	10.437	2900	2907	2916	rVV7	40220	70588	0.37%	0.217%
61	10.495	2917	2925	2935	rBV8	60125	106600	0.56%	0.328%
62	10.553	2936	2943	2950	rBV2	108161	164385	0.86%	0.506%
63	10.778	3004	3013	3019	rBV3	48516	95000	0.49%	0.292%
64	10.813	3020	3024	3033	rVB4	66045	87511	0.46%	0.269%
65	10.878	3037	3044	3050	rBV6	57087	74617	0.39%	0.230%
66	10.923	3050	3058	3065	rBV	292573	454237	2.37%	1.397%
67	11.077	3098	3106	3112	rBV3	80840	128388	0.67%	0.395%
68	11.112	3113	3117	3120	rVV4	57486	67560	0.35%	0.208%
69	11.141	3122	3126	3135	rVV4	93989	132204	0.69%	0.407%
70	11.199	3136	3144	3152	rVV	105821	160957	0.84%	0.495%
71	11.296	3165	3174	3181	rBV2	142039	251749	1.31%	0.774%

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72	11.337	3183	3187	3194	rVV2	85548	104543	0.54%	0.322%
73	11.379	3194	3200	3207	rVV3	78069	103685	0.54%	0.319%
74	11.466	3223	3227	3234	rVB6	46592	58715	0.31%	0.181%
75	11.511	3235	3241	3253	rVB5	74081	105546	0.55%	0.325%
76	11.585	3256	3264	3278	rBV5	39986	106587	0.56%	0.328%
77	11.675	3279	3292	3306	rVB5	164579	438490	2.28%	1.349%
78	11.826	3332	3339	3346	rBV4	48795	87119	0.45%	0.268%
79	11.984	3379	3388	3396	rBV5	96017	166011	0.86%	0.511%
80	12.038	3397	3405	3419	rVB6	116878	216326	1.13%	0.665%
81	12.167	3438	3445	3461	rBV2	111927	168727	0.88%	0.519%
82	12.241	3464	3468	3476	rVB6	49438	64586	0.34%	0.199%
83	12.309	3477	3489	3497	rBV7	123278	252122	1.31%	0.776%
84	12.415	3513	3522	3527	rBV3	150852	249984	1.30%	0.769%
85	12.517	3545	3554	3562	rBV7	154225	291101	1.52%	0.895%
86	12.636	3586	3591	3598	rVB	49854	58220	0.30%	0.179%
87	12.685	3600	3606	3624	rVB6	58488	104401	0.54%	0.321%
88	12.849	3650	3657	3668	rBV4	68406	103757	0.54%	0.319%
89	12.932	3675	3683	3701	rVB6	124503	319105	1.66%	0.982%
90	13.087	3724	3731	3755	rVB2	280986	597683	3.11%	1.838%
91	13.257	3779	3784	3793	rVB5	41554	51784	0.27%	0.159%
92	13.530	3864	3869	3880	rVB6	99854	152964	0.80%	0.471%
93	13.588	3882	3887	3895	rBV7	60113	86433	0.45%	0.266%
94	13.691	3909	3919	3931	rBV	235793	431313	2.25%	1.327%
95	13.977	4003	4008	4015	rVB5	45586	53460	0.28%	0.164%
96	14.704	4227	4234	4242	rBV2	78384	109286	0.57%	0.336%
97	15.466	4467	4471	4479	rVB2	31738	36626	0.19%	0.113%
98	15.643	4518	4526	4539	rVB	118948	191657	1.00%	0.590%
99	15.990	4628	4634	4644	rVB2	64819	103103	0.54%	0.317%
100	16.852	4897	4902	4914	rVB7	9936	15257	0.08%	0.047%

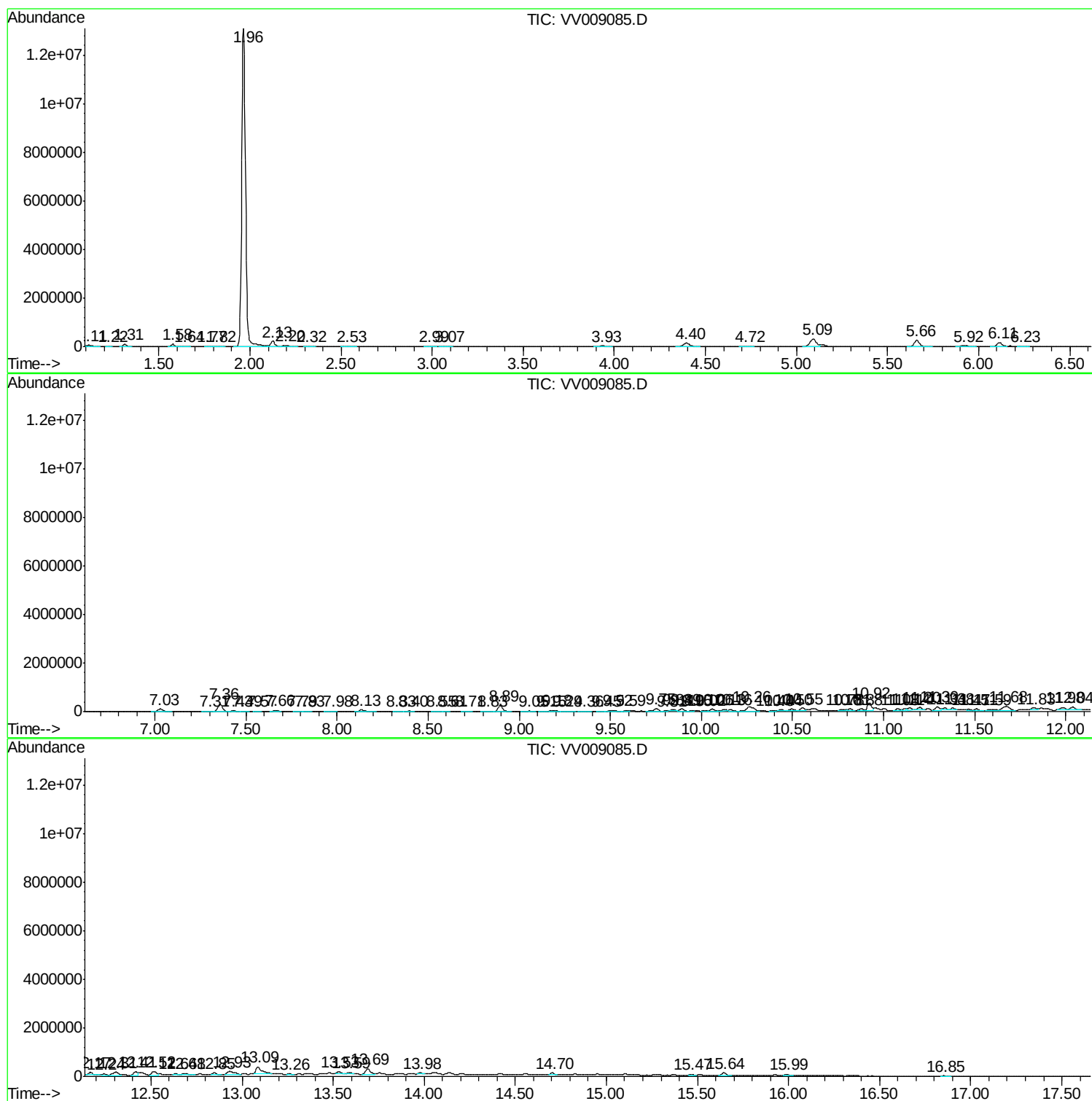
Sum of corrected areas: 32509696

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Instrument :
MSV0A_V
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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



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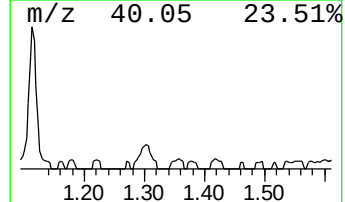
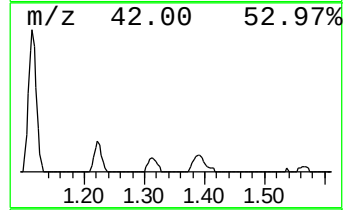
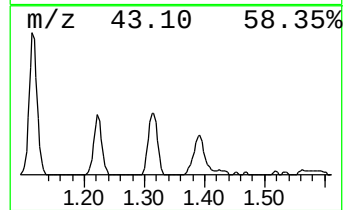
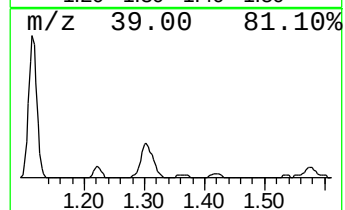
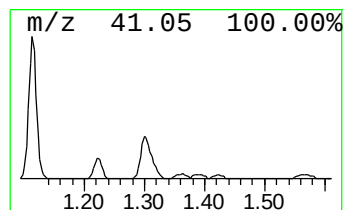
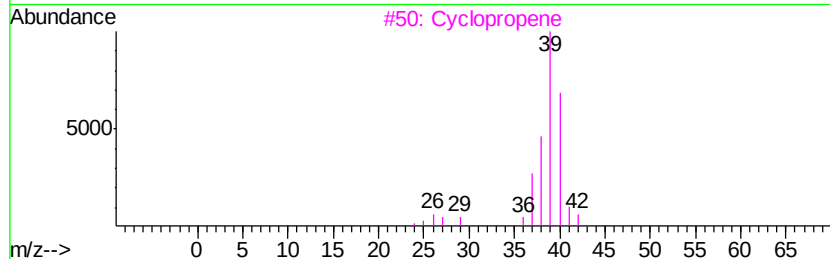
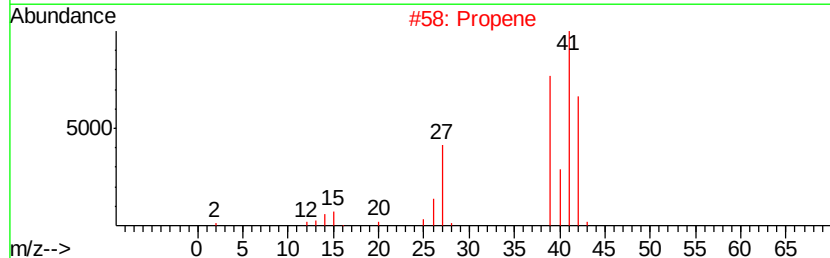
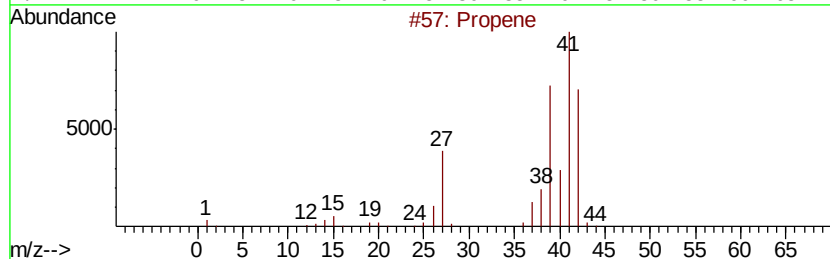
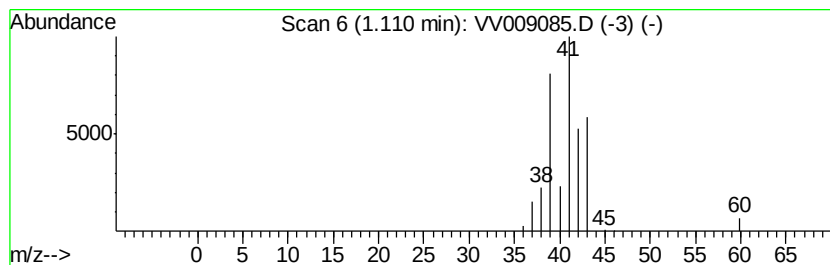
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Cyclic1.11 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.11	4.02 ug/L	84894	1,4-Difluorobenzene	5.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	64
2			Propene	42	C3H6	000115-07-1	42
3			Cyclopropene	40	C3H4	002781-85-3	5
4			Cyclobutylamine	71	C4H9N	002516-34-9	2
5			4-Amino-1-butanol	89	C4H11NO	013325-10-5	2



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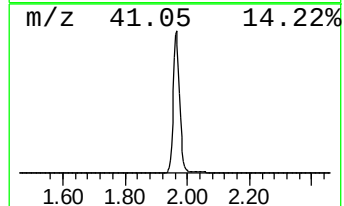
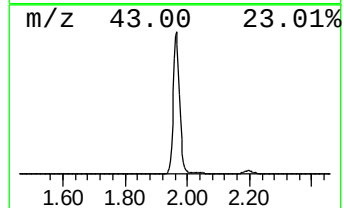
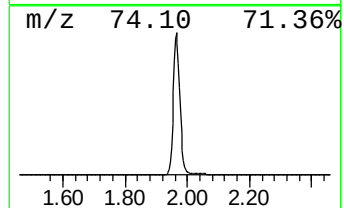
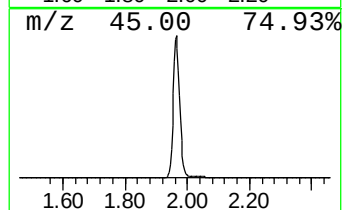
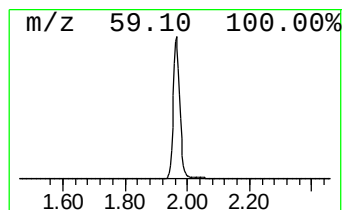
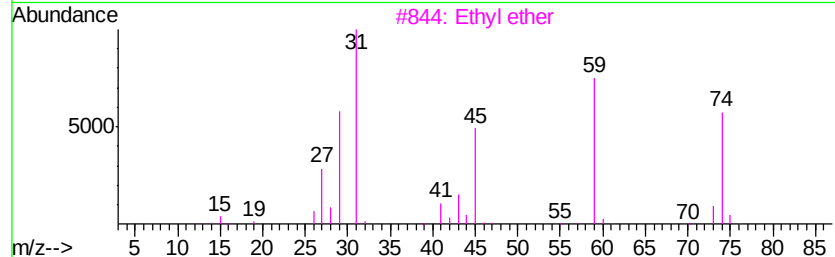
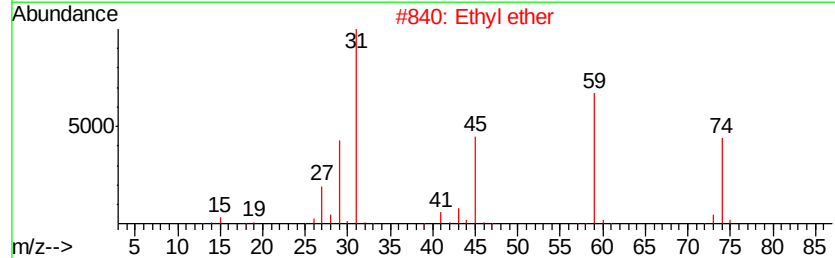
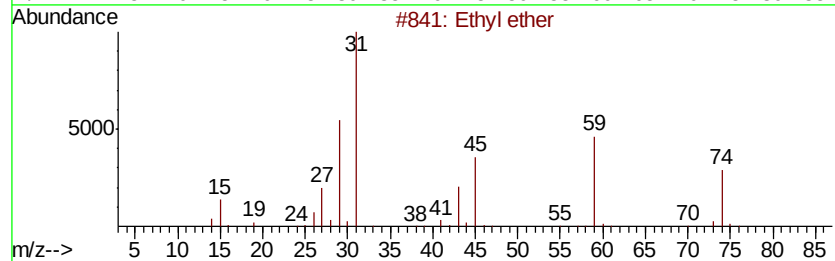
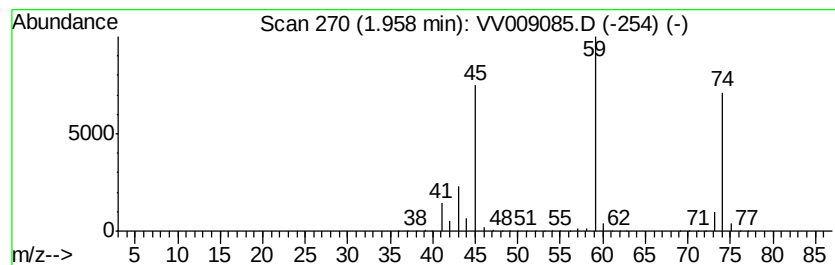
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Quant Title : VOC Analysis

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

Peak Number 2 Ethyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	909.01 ug/L	19195600	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethyl ether	74	C4H10O	000060-29-7	90
2		Ethyl ether	74	C4H10O	000060-29-7	90
3		Ethyl ether	74	C4H10O	000060-29-7	90
4		Ethyl ether	74	C4H10O	000060-29-7	90
5		Ethyl ether	74	C4H10O	000060-29-7	78



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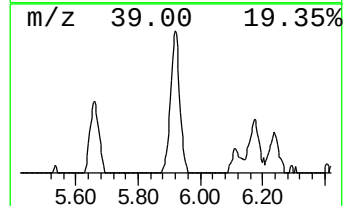
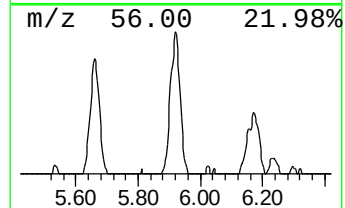
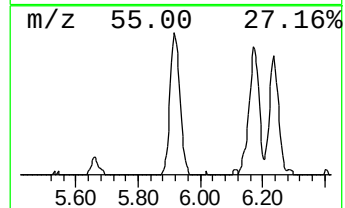
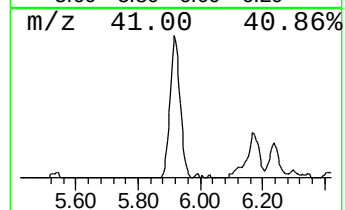
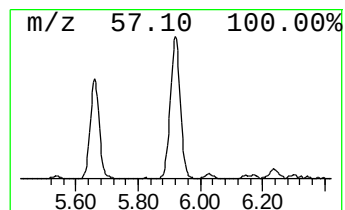
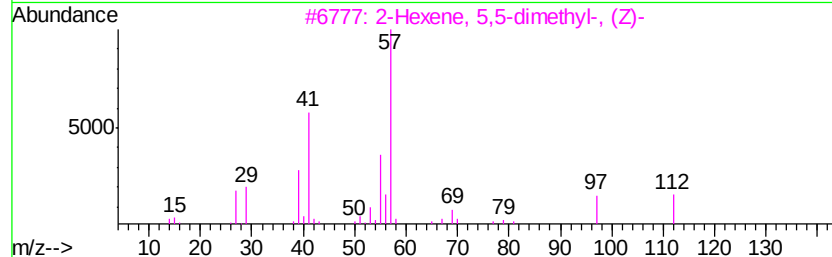
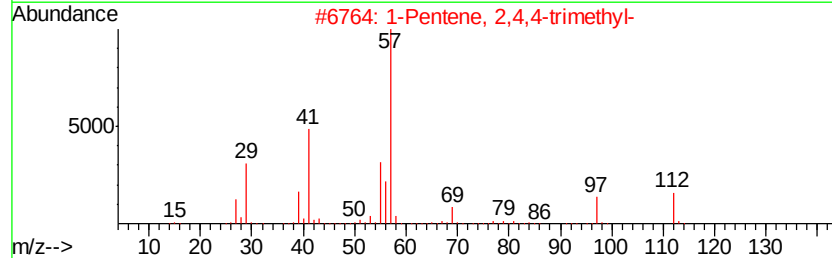
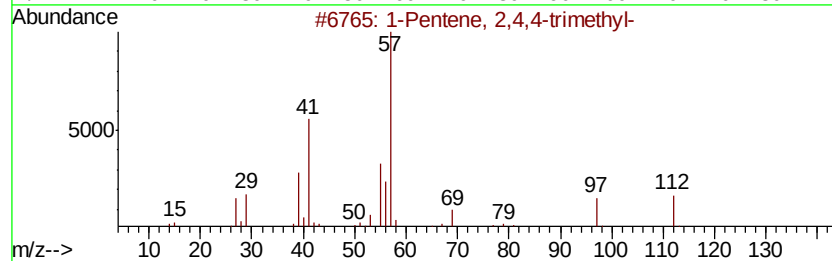
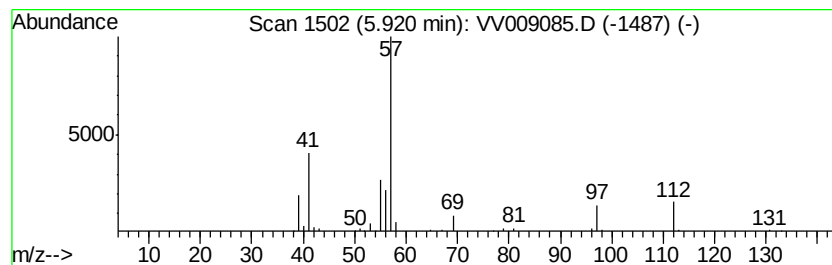
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Cyclic5.92 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	4.67 ug/L	98543	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	90
2		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	87
3		2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	58
4		2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	53
5		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

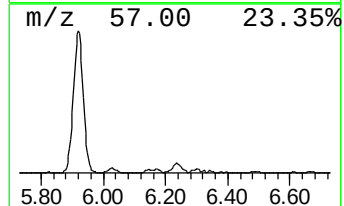
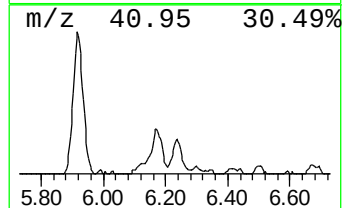
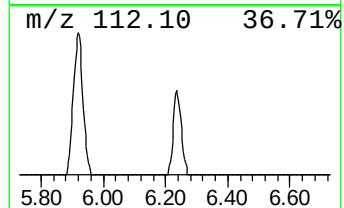
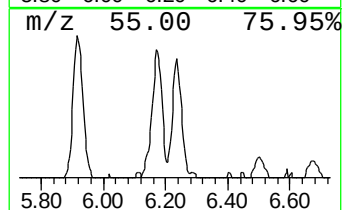
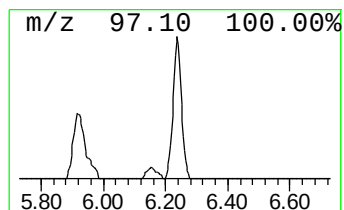
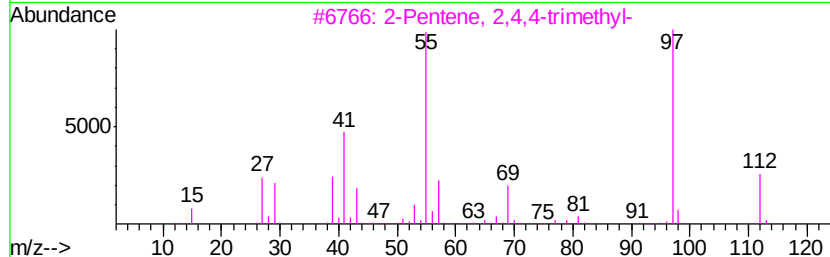
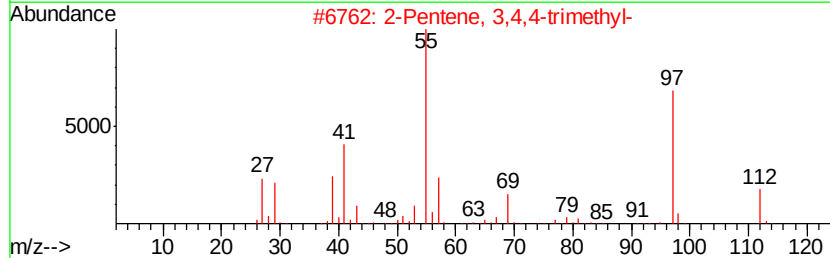
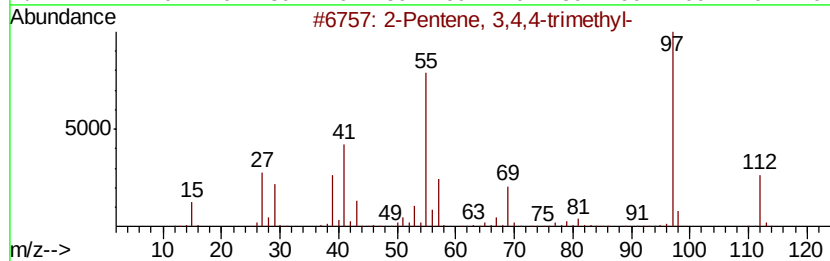
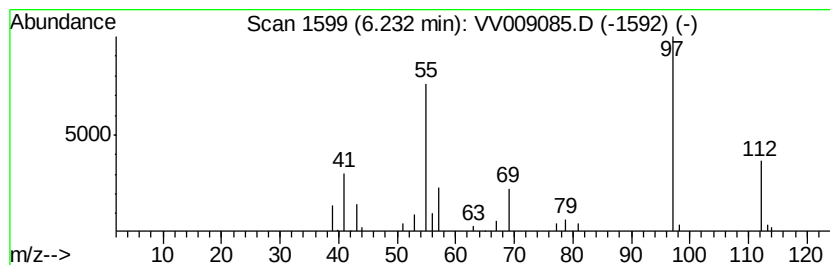
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic6.23 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	1.44 ug/L	30491	1,4-Difluorobenzene	5.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	87
2		2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	83
3		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	80
4		2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	78
5		Z-3,4,4-Trimethyl-2-pentene	112	C8H16	039761-64-3	78



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSV0A_V
ClientSampleId :
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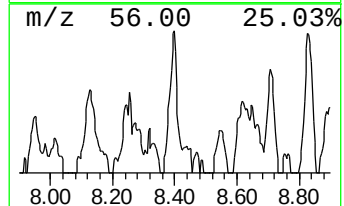
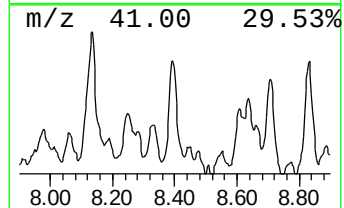
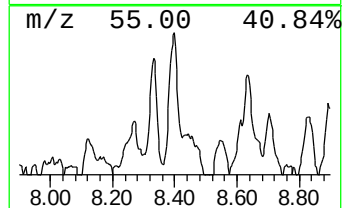
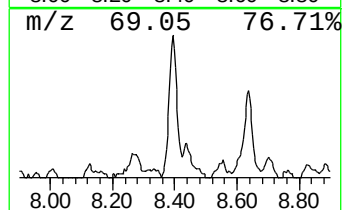
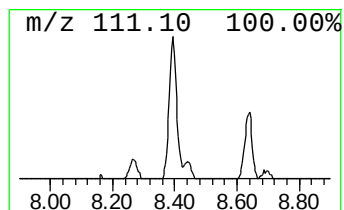
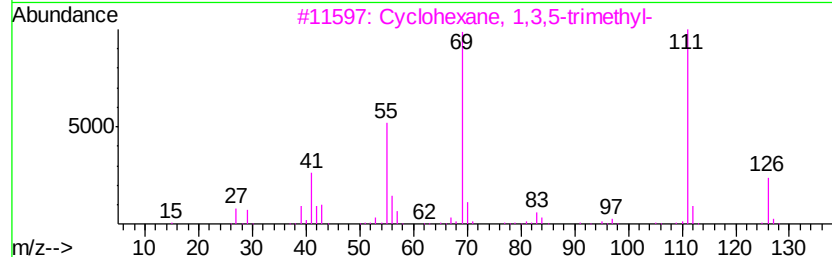
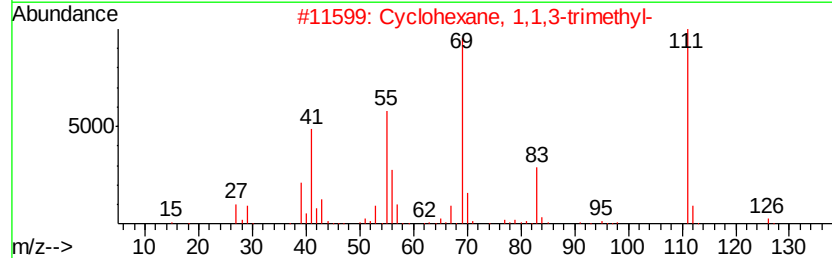
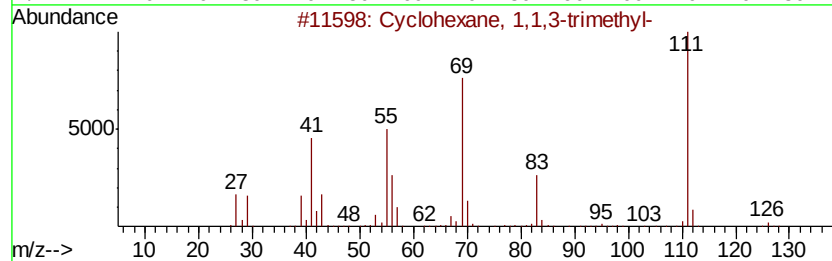
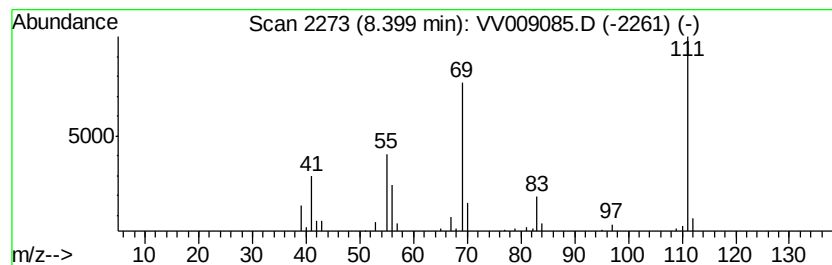
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic8.40 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	2.04 ug/L	35851	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
4		2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	72
5		Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

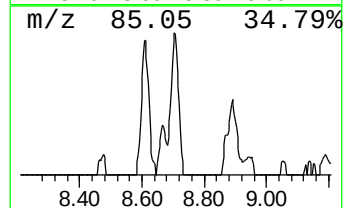
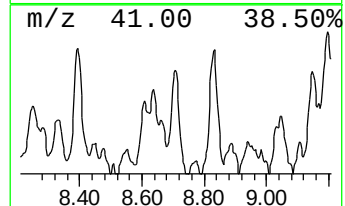
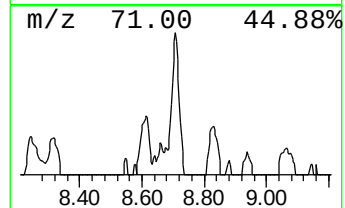
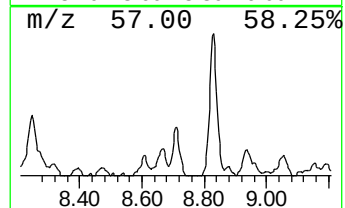
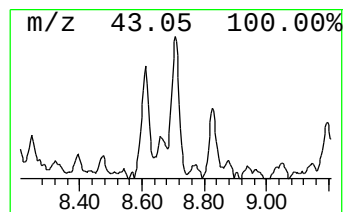
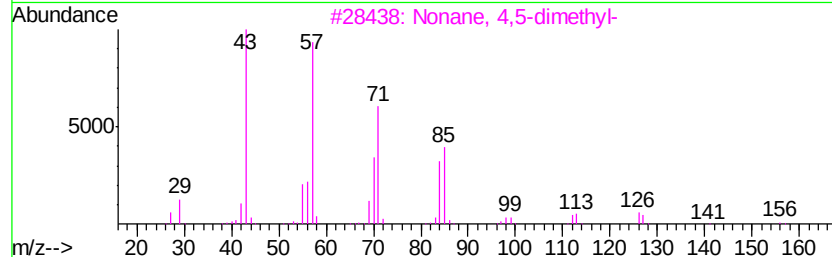
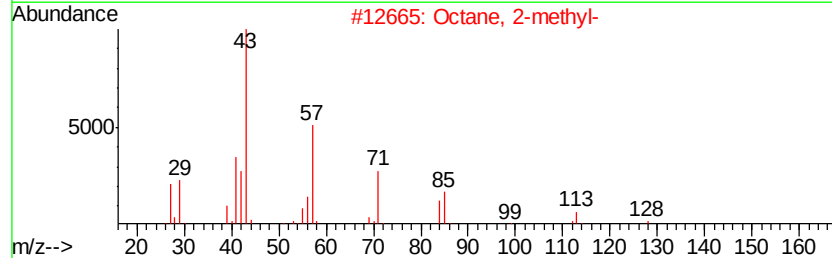
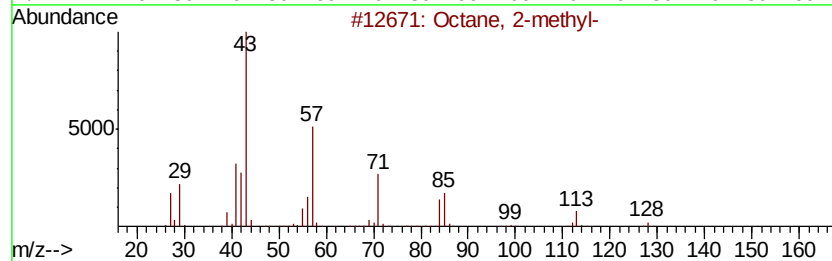
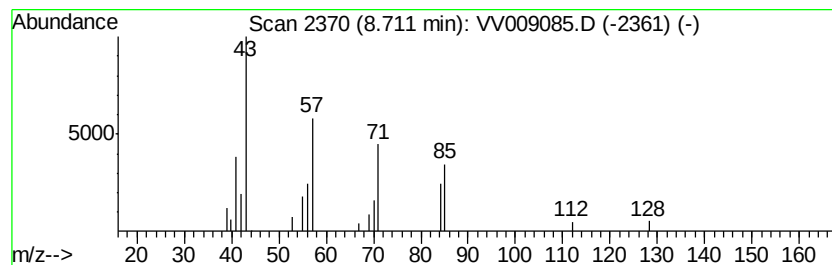
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	1.50 ug/L	26239	Chlorobenzene-d5	8.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2-methyl-	128	C9H20	003221-61-2	64
2			Octane, 2-methyl-	128	C9H20	003221-61-2	64
3			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	59
4			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
5			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSV0A_V
ClientSampled :
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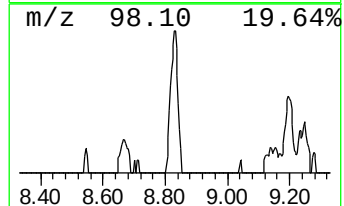
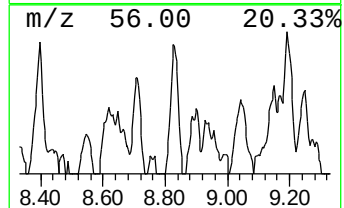
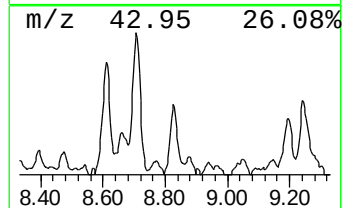
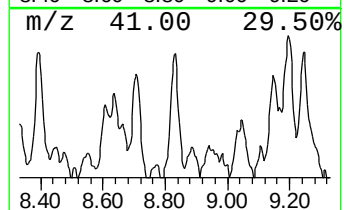
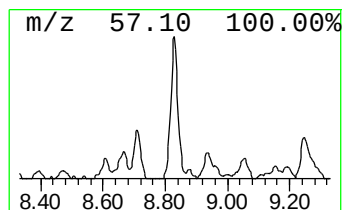
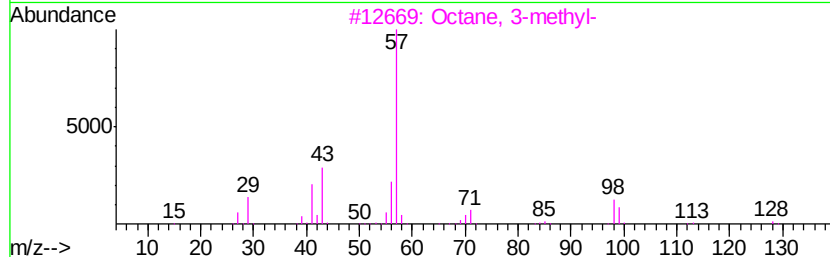
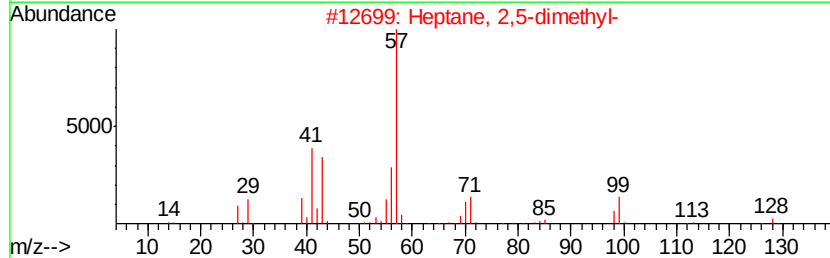
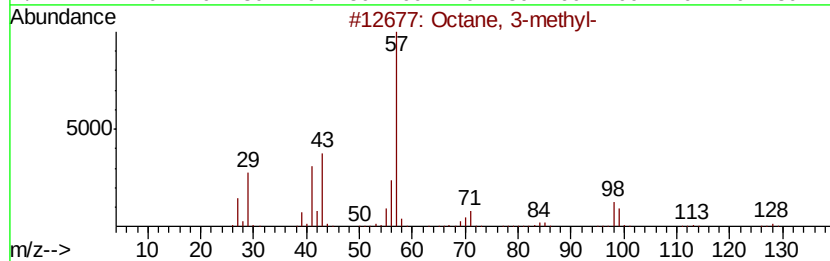
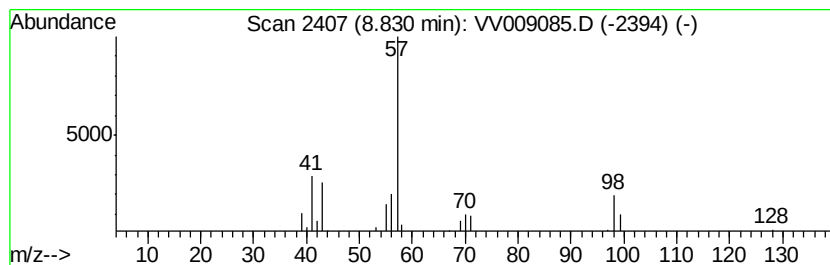
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	1.54 ug/L	26983	Chlorobenzene-d5	8.89

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	90
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
3		Octane, 3-methyl-	128	C9H20	002216-33-3	72
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
5		Undecane, 6-methyl-	170	C12H26	017302-33-9	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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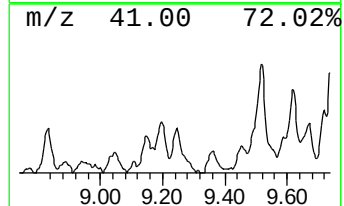
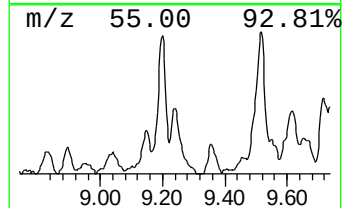
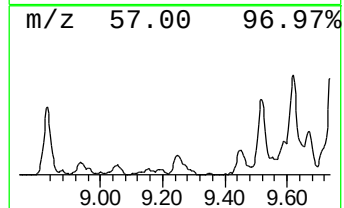
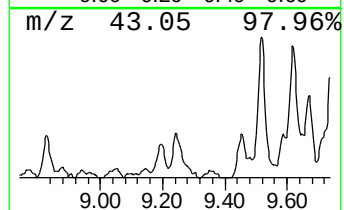
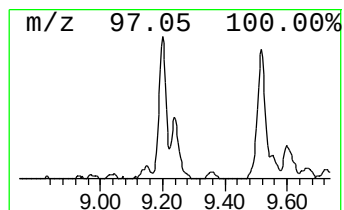
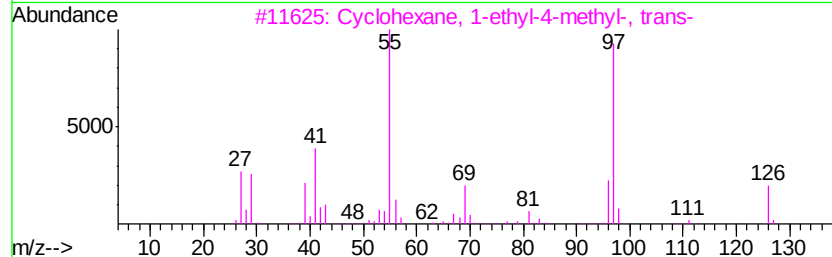
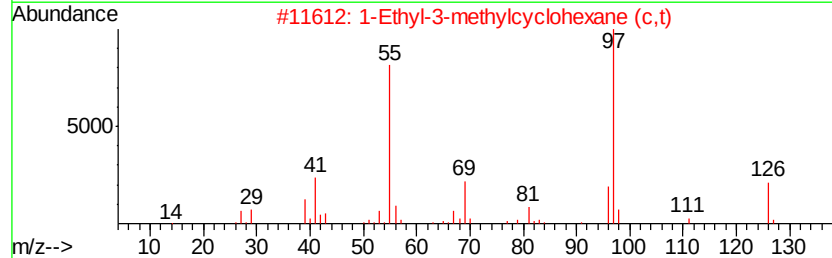
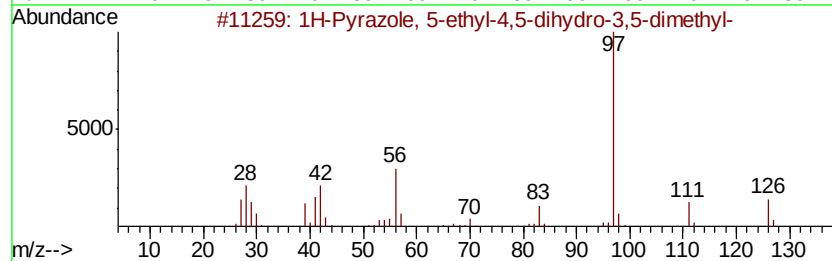
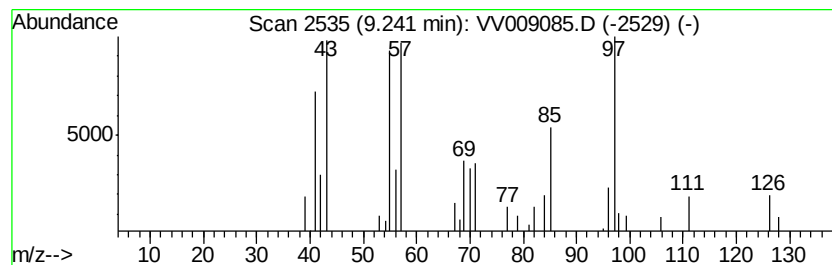
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Quant Title : VOC Analysis

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

Peak Number 9 unknown-01 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	2.46 ug/L	43120	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Pyrazole, 5-ethyl-4,5-dihydro...	126	C7H14N2	021981-22-6	43
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	43
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	43
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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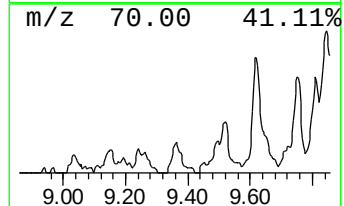
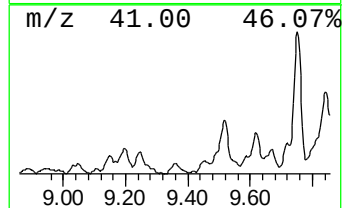
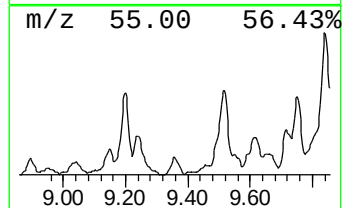
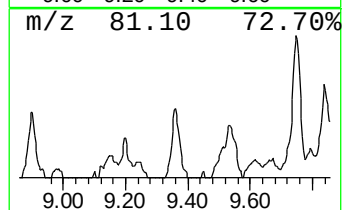
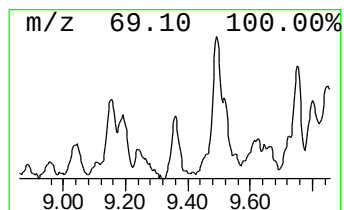
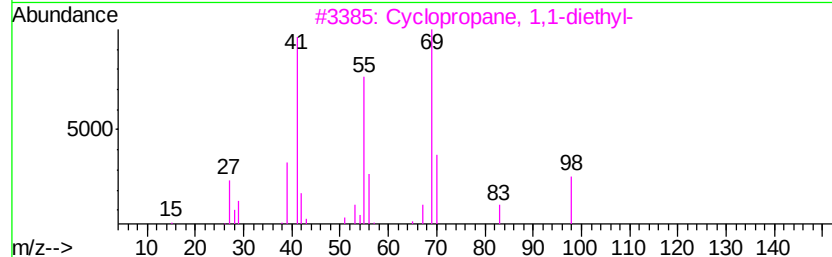
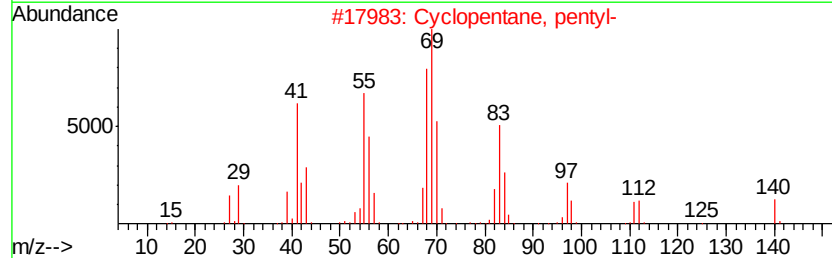
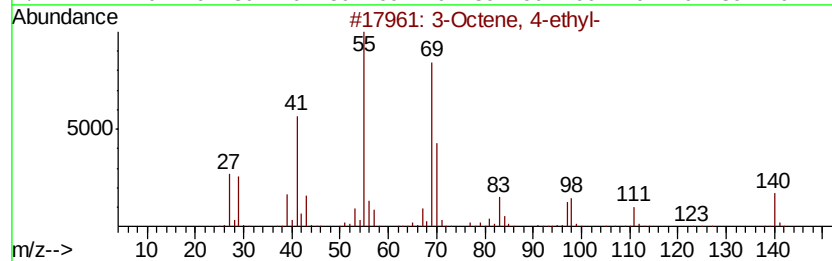
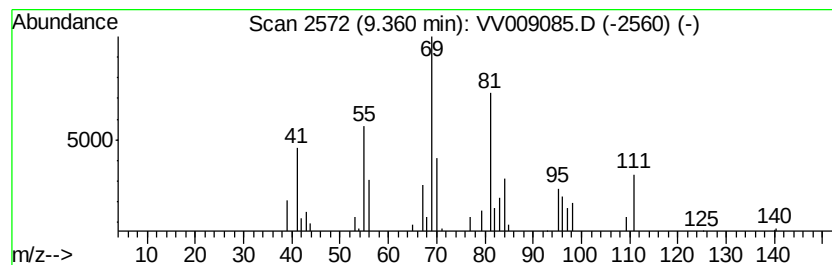
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic9.36 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	1.39 ug/L	24416	Chlorobenzene-d5	8.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Octene, 4-ethyl-	140	C10H20	053966-51-1	53
2			Cyclopentane, pentyl-	140	C10H20	003741-00-2	47
3			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	46
4			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	43
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

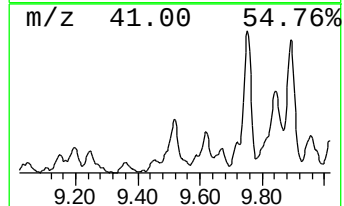
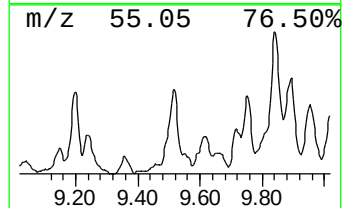
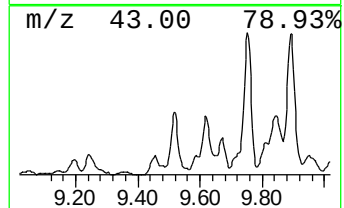
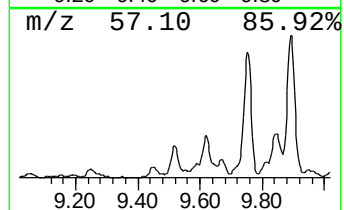
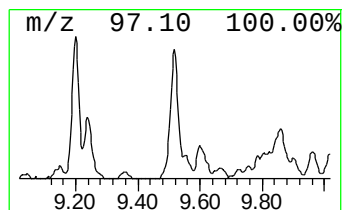
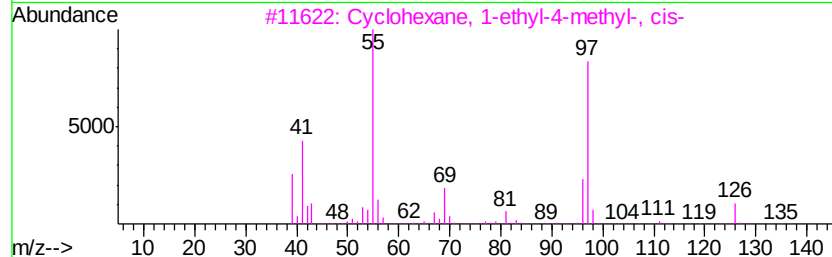
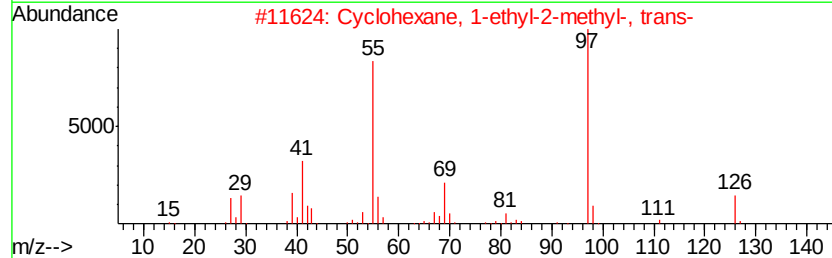
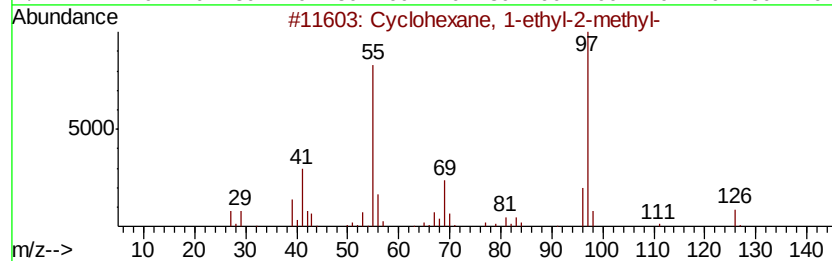
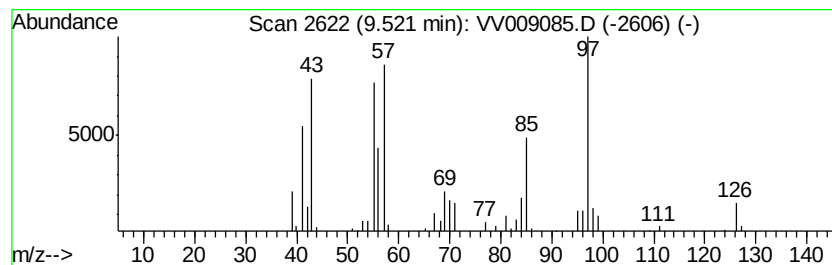
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic9.52 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	5.48 ug/L	96127	Chlorobenzene-d5	8.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	41
2			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	41
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	38
4			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	38
5			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSV0A_V
ClientSampleId :
BE7Z6

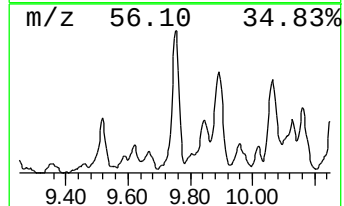
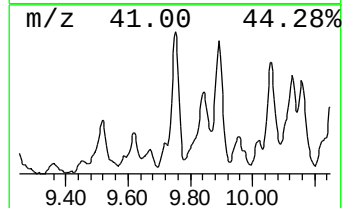
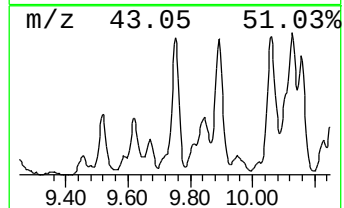
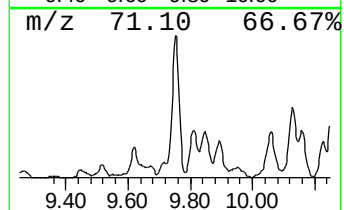
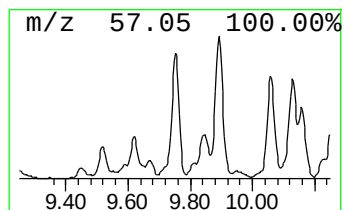
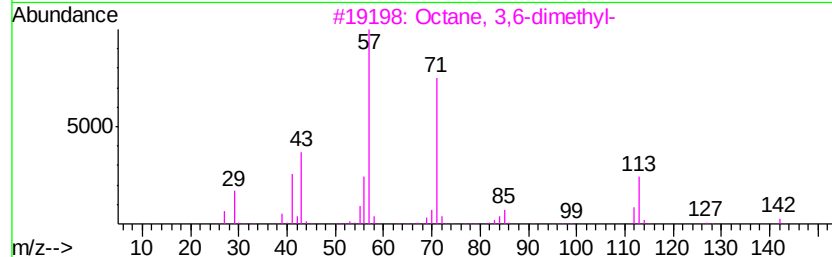
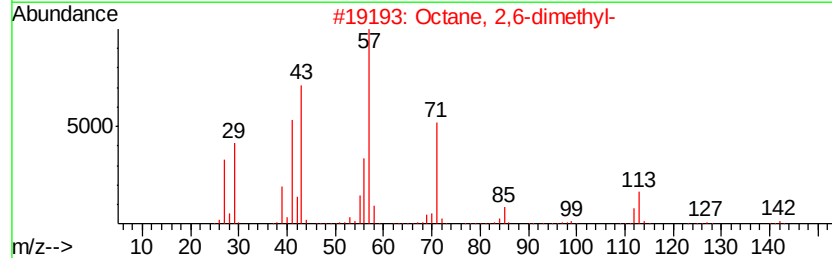
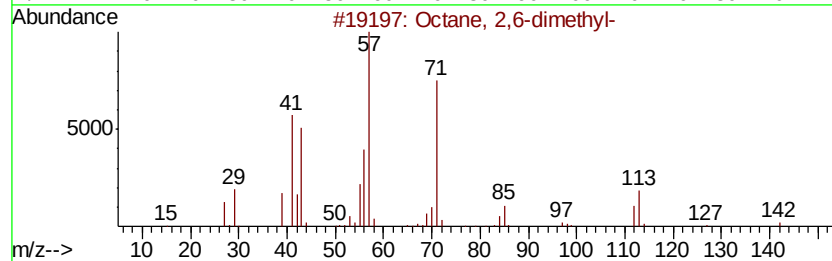
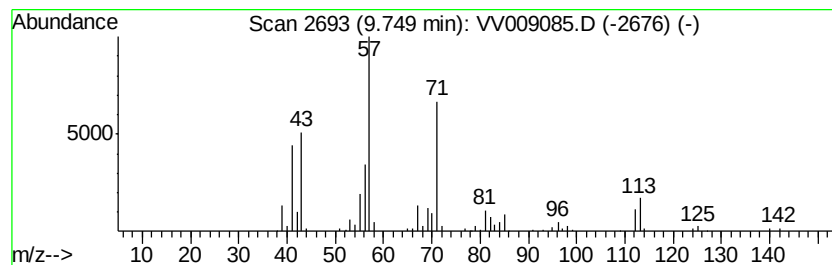
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	12.70 ug/L	222846	Chlorobenzene-d5	8.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	93
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	81
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	74
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

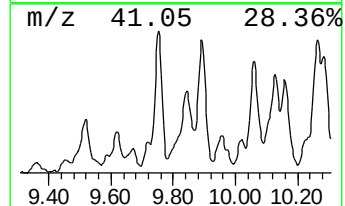
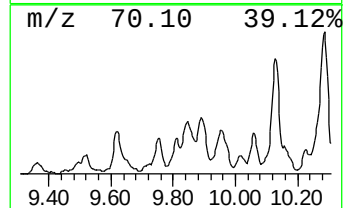
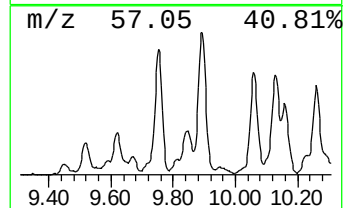
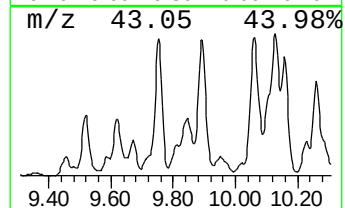
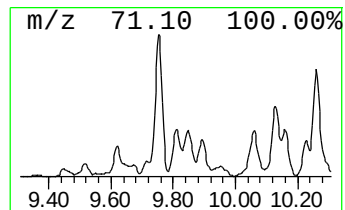
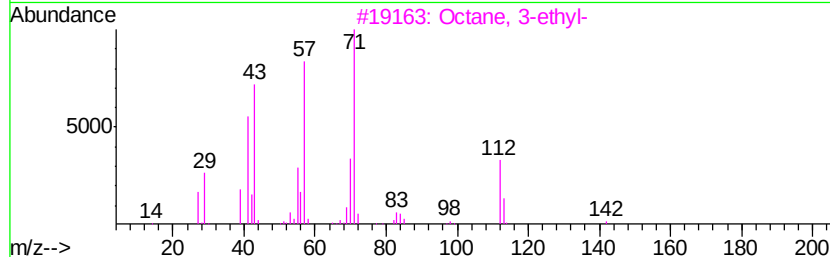
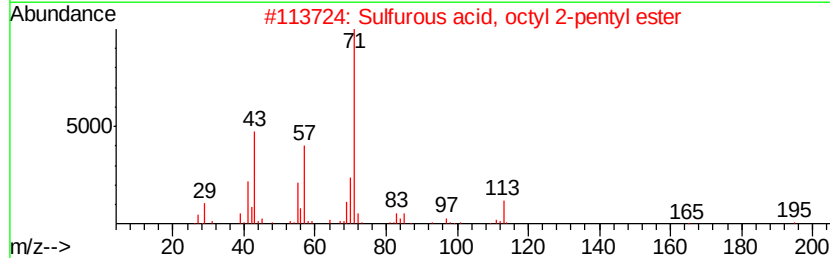
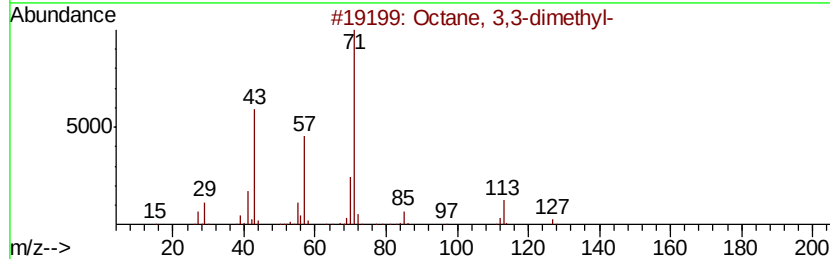
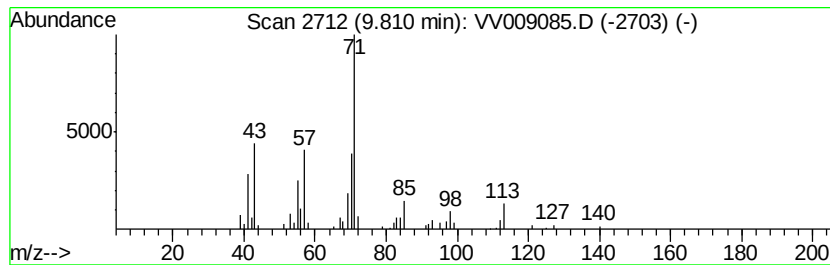
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	1.73 ug/L	30339	Chlorobenzene-d5	8.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
2			Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	64
3			Octane, 3-ethyl-	142	C10H22	005881-17-4	59
4			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
5			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
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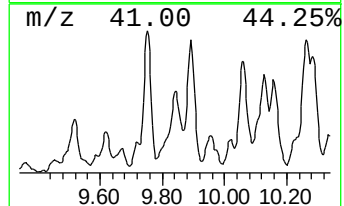
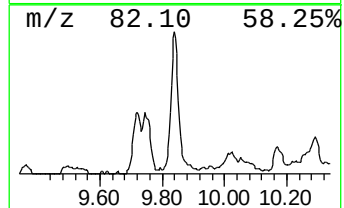
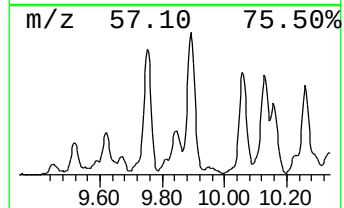
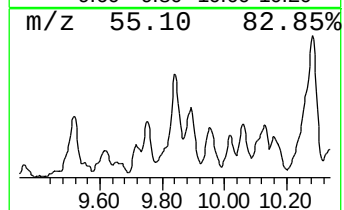
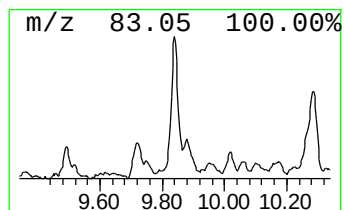
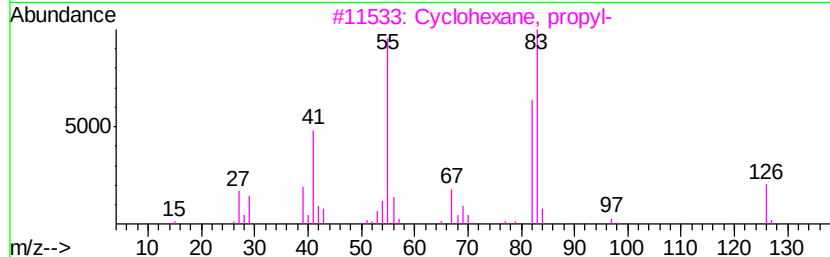
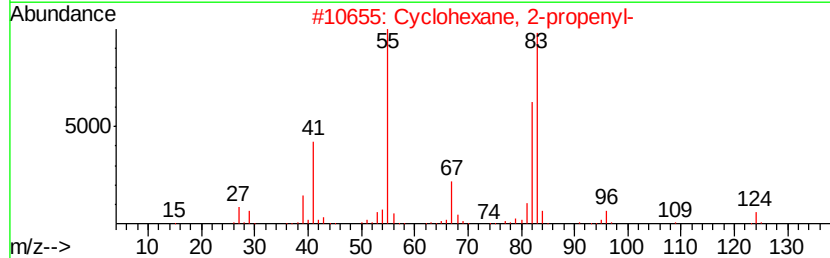
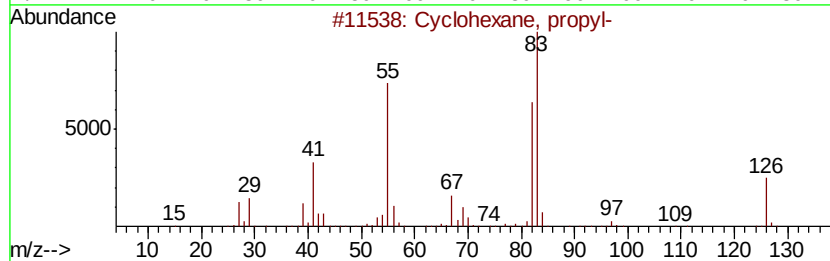
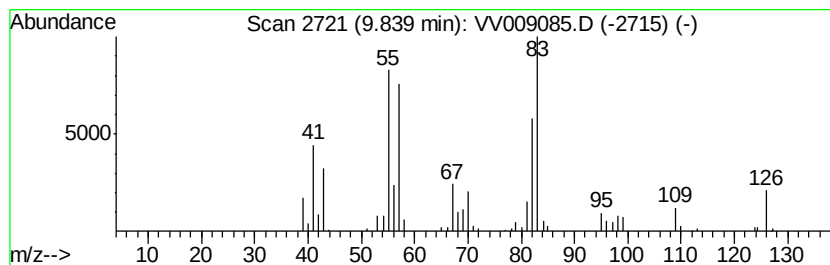
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic9.84 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	5.16 ug/L	90617	Chlorobenzene-d5	8.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	58
2			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	55
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	50
4			Cyclohexane, propyl-	126	C9H18	001678-92-8	47
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

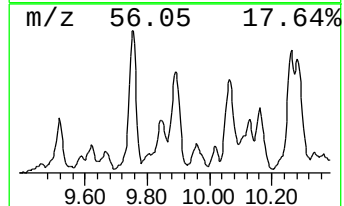
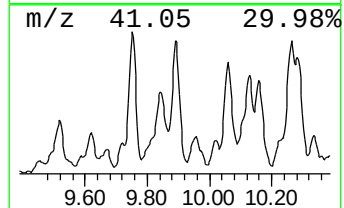
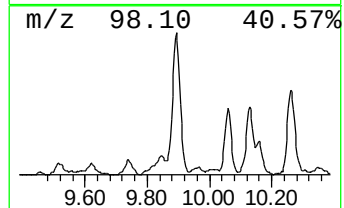
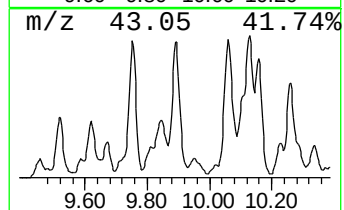
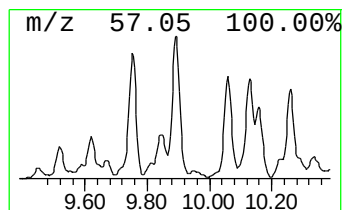
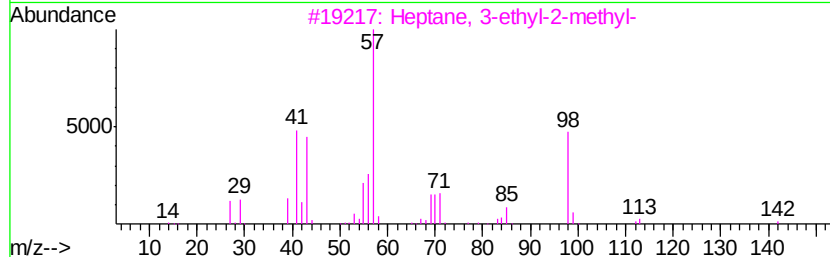
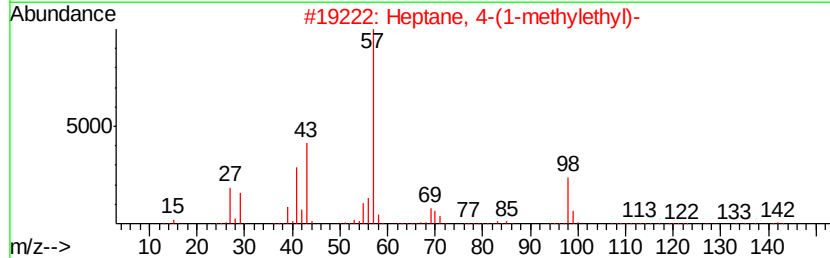
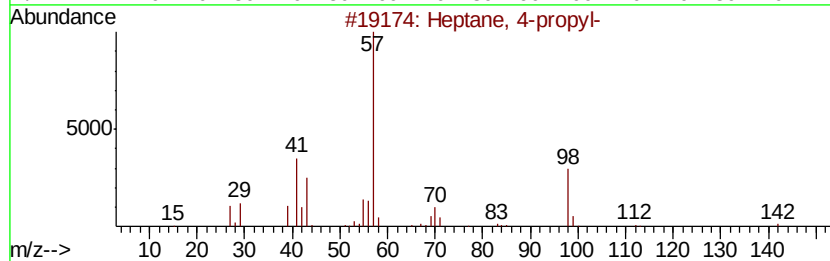
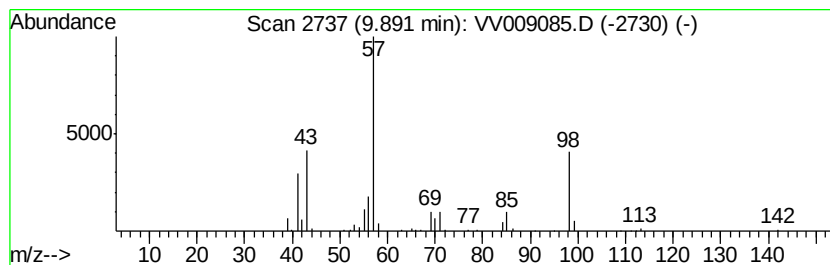
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.		
9.89	9.56 ug/L	167789	Chlorobenzene-d5	8.89		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-propyl-		142	C10H22	003178-29-8	72
2	Heptane, 4-(1-methylethyl)-		142	C10H22	052896-87-4	50
3	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	50
4	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	47
5	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

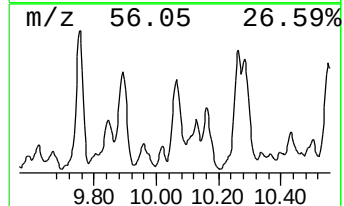
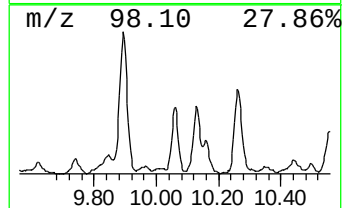
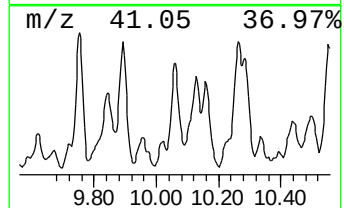
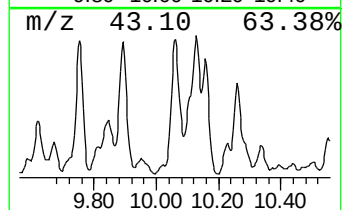
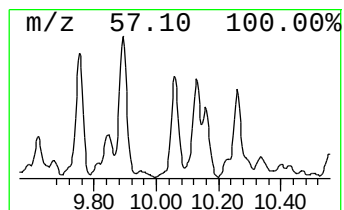
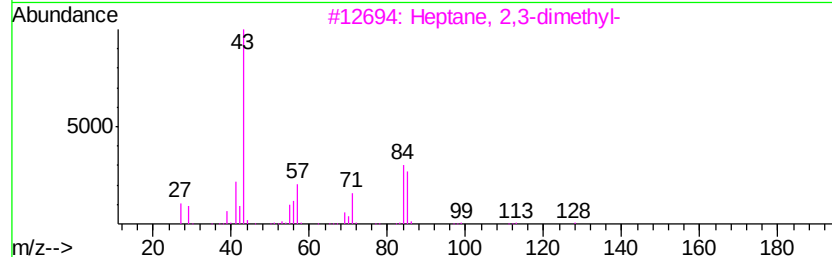
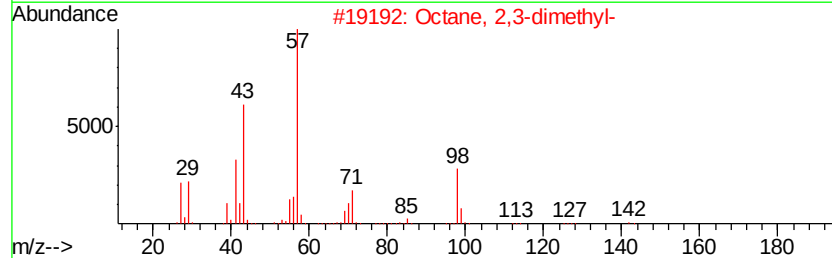
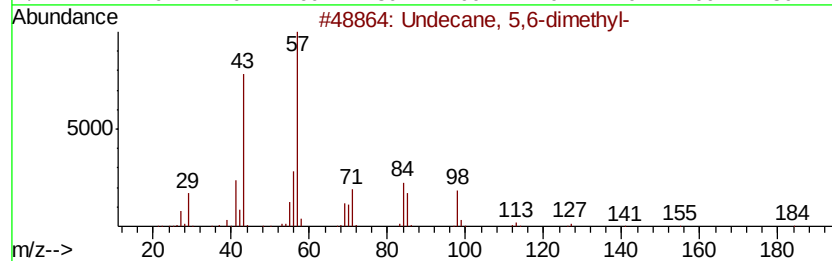
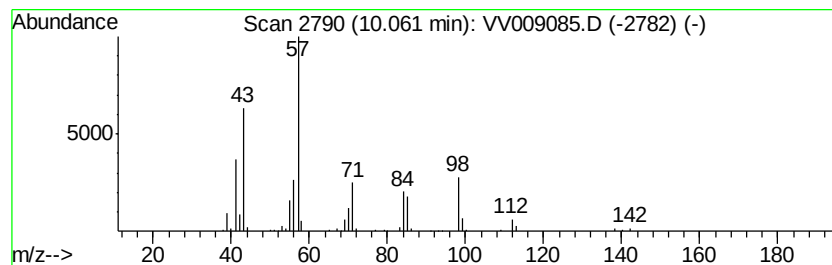
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	8.24 ug/L	144585	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	59
2		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	52
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
4		Heptane, 4-propyl-	142	C10H22	003178-29-8	46
5		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
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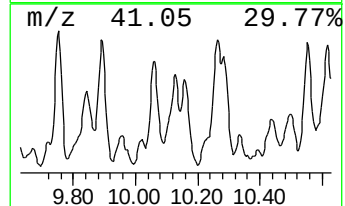
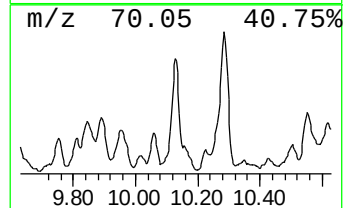
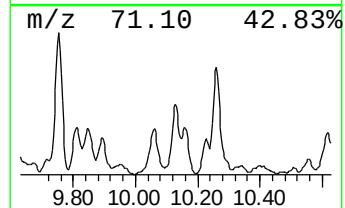
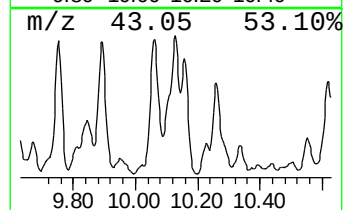
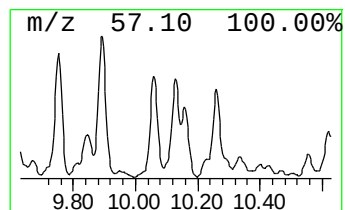
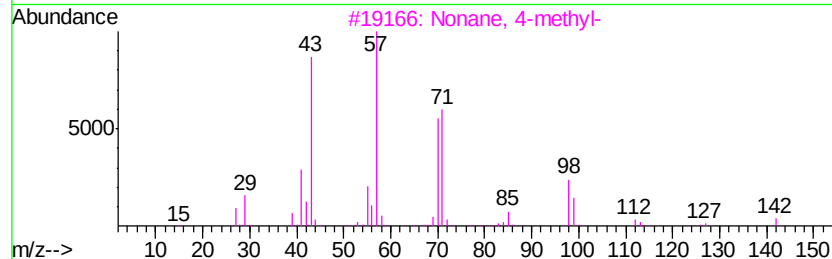
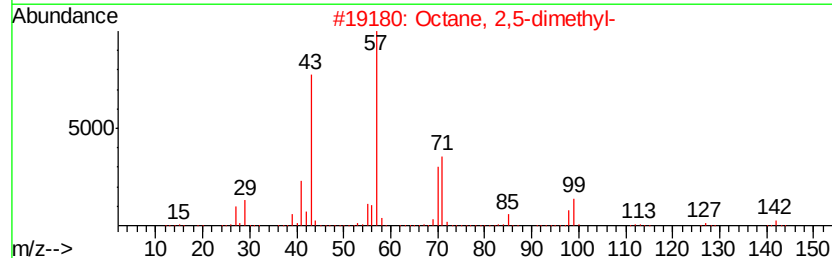
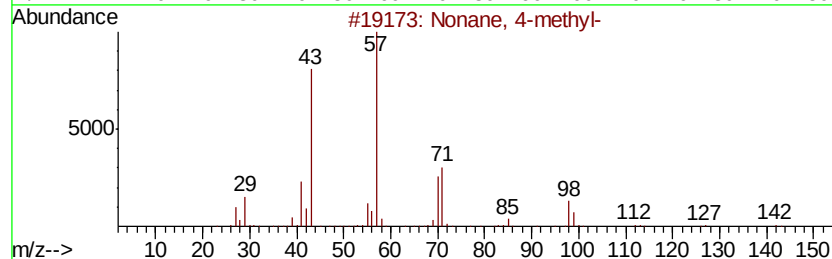
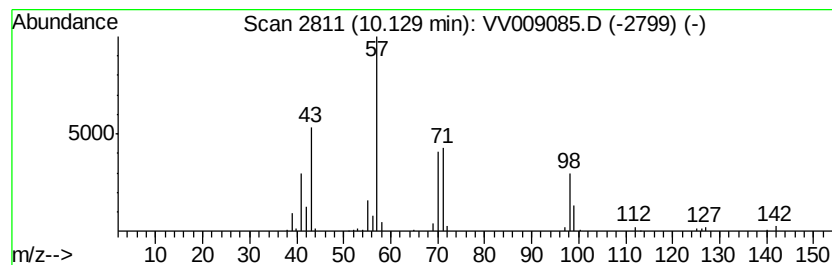
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	14.09 ug/L	141836	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	87
2		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	83
3		Nonane, 4-methyl-	142	C10H22	017301-94-9	72
4		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
5		Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

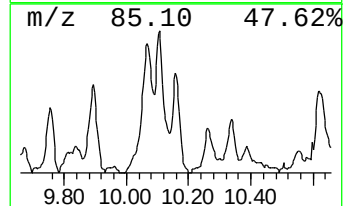
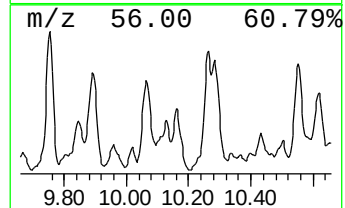
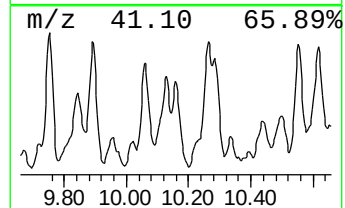
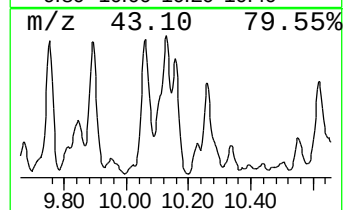
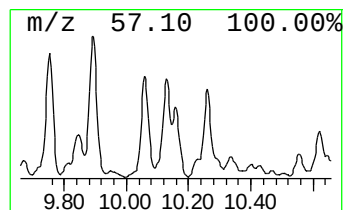
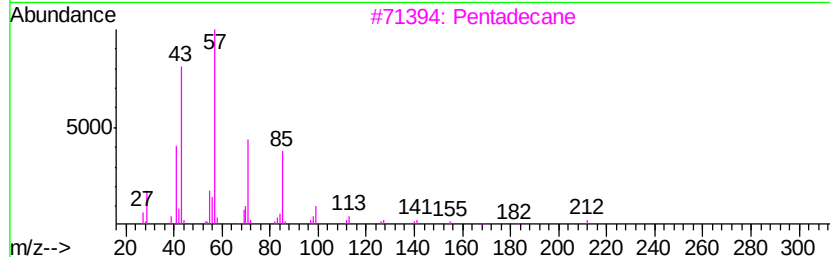
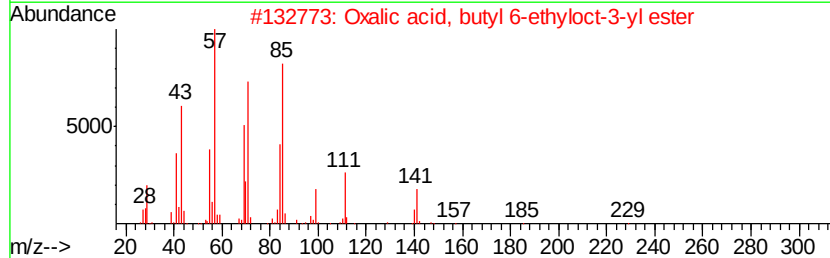
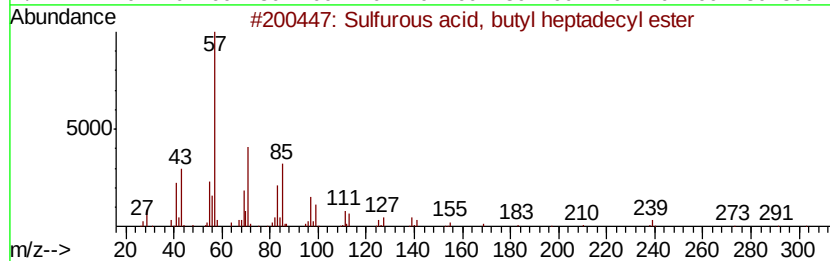
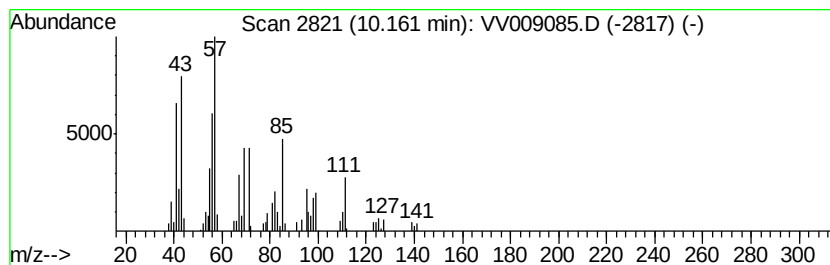
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 18 unknown-02 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.16	10.18 ug/L	102485	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	38
2	Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	35
3	Pentadecane	212	C15H32	000629-62-9	35
4	Octane, 4-methyl-	128	C9H20	002216-34-4	27
5	Nonane, 2-methyl-	142	C10H22	000871-83-0	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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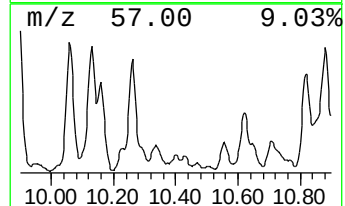
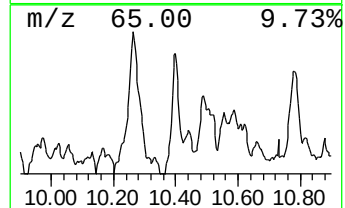
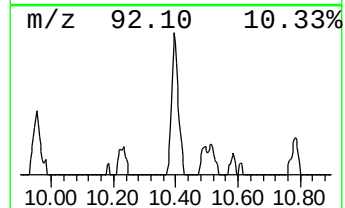
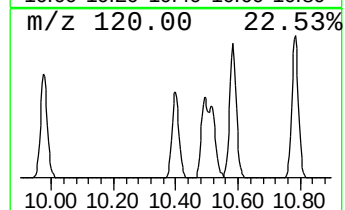
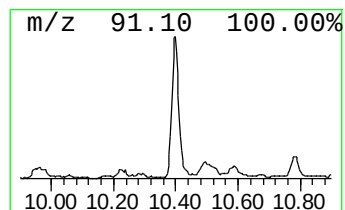
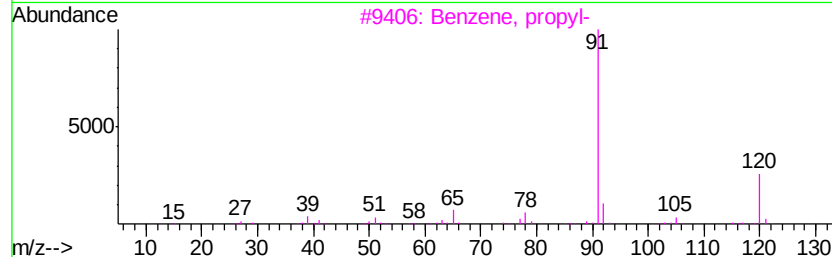
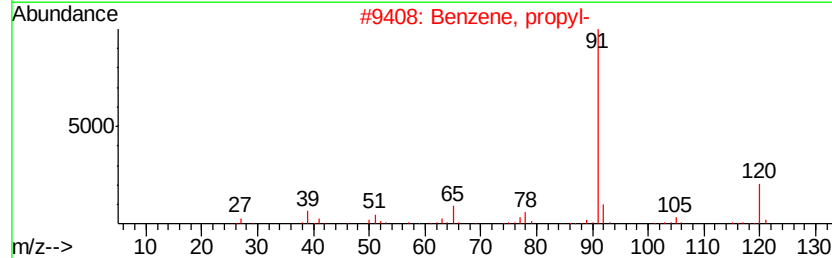
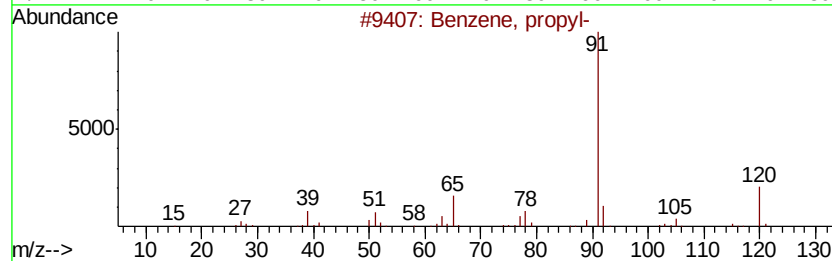
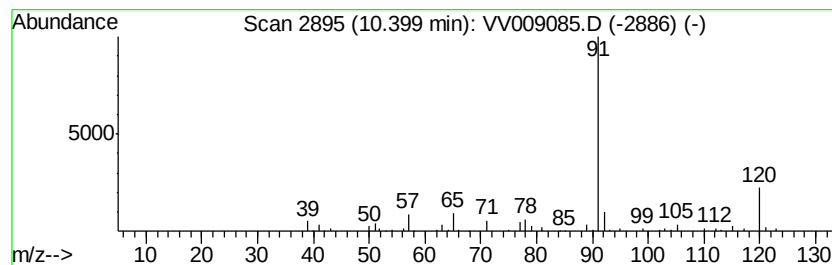
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, propyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	4.35 ug/L	43827	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	81
2		Benzene, propyl-	120	C9H12	000103-65-1	81
3		Benzene, propyl-	120	C9H12	000103-65-1	72
4		1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
5		N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

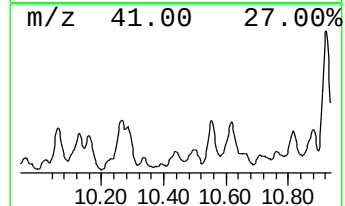
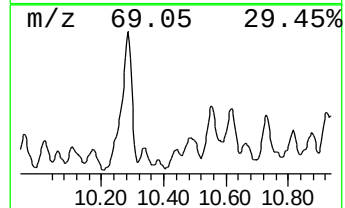
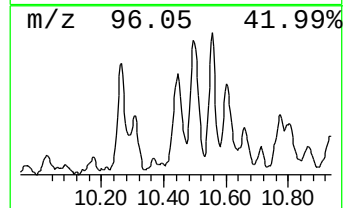
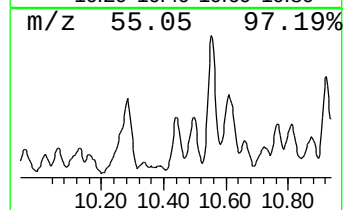
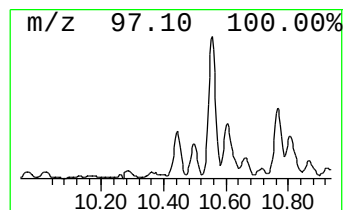
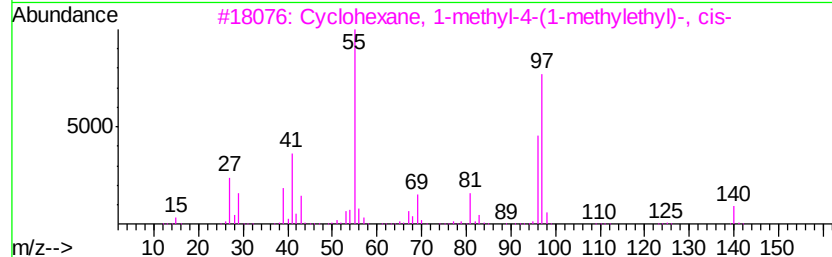
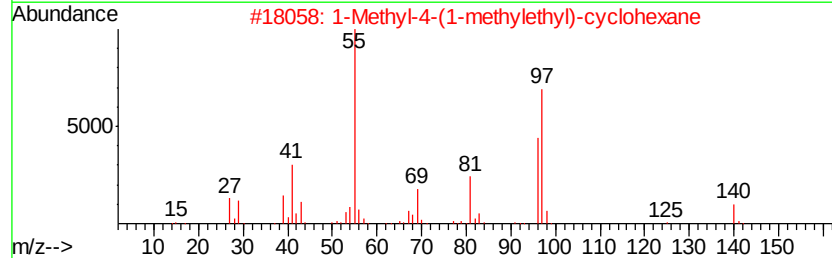
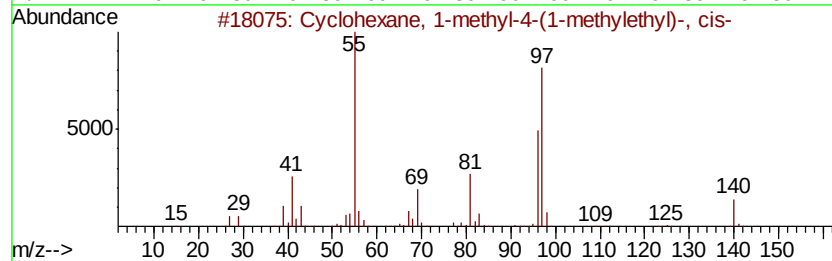
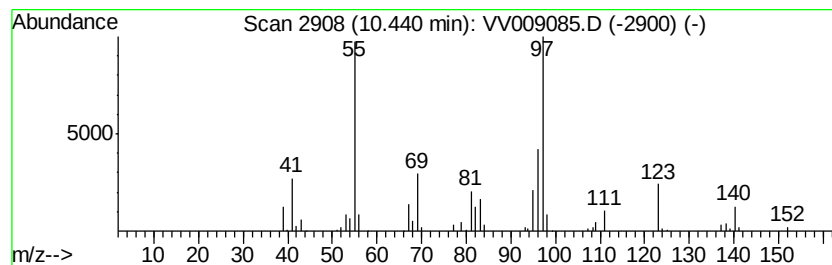
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic10.44 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	7.01 ug/L	70588	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	70
2			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	62
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	62
4			Cyclohexane, 1-methyl-4-(1-methy...	168	C12H24	054411-00-6	59
5			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

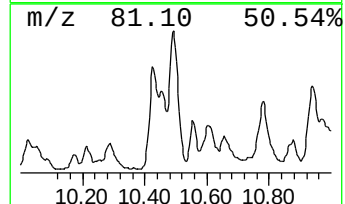
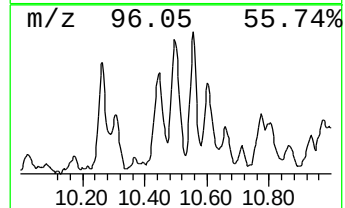
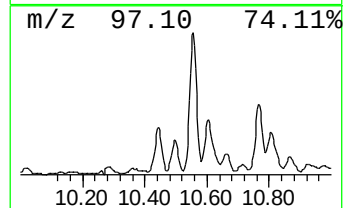
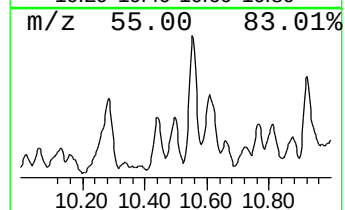
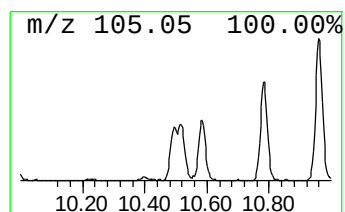
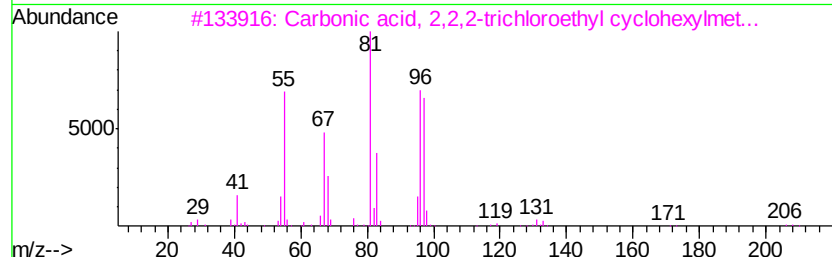
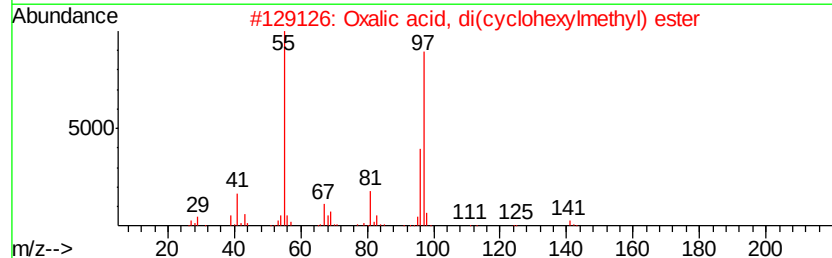
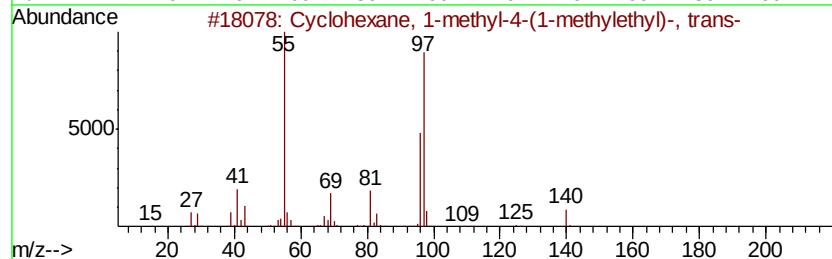
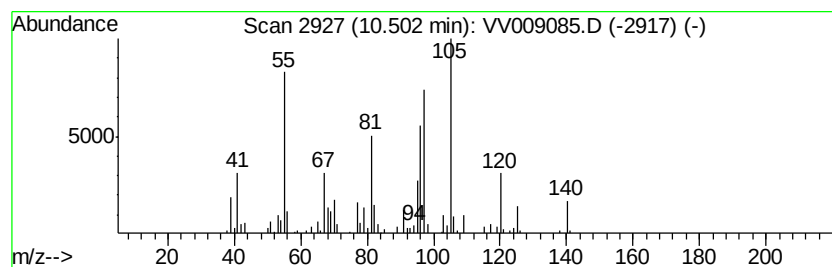
Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic10.50 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	10.59 ug/L	106600	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-methyl-4-(1-methy...	140 C10H20	001678-82-6 52
2		Oxalic acid, di(cyclohexylmethyl...	282 C16H26O4	1000309-68-5 50
3		Carbonic acid, 2,2,2-trichloroet...	288 C10H15Cl3O3	1000357-89-8 47
4		Cyclohexane, 1-methyl-4-(1-methy...	140 C10H20	001678-82-6 46
5		Cyclohexane, 1-methyl-4-(1-methy...	140 C10H20	001678-82-6 46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

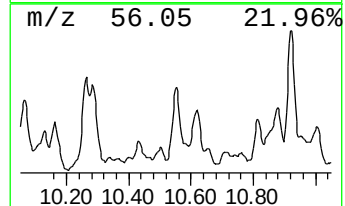
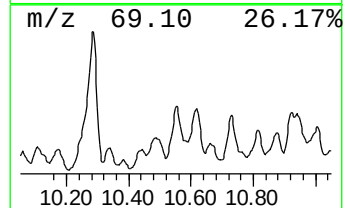
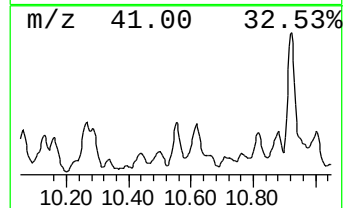
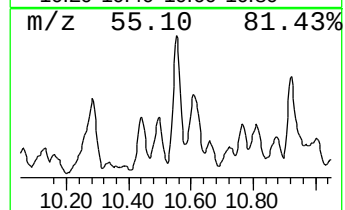
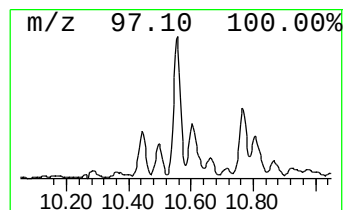
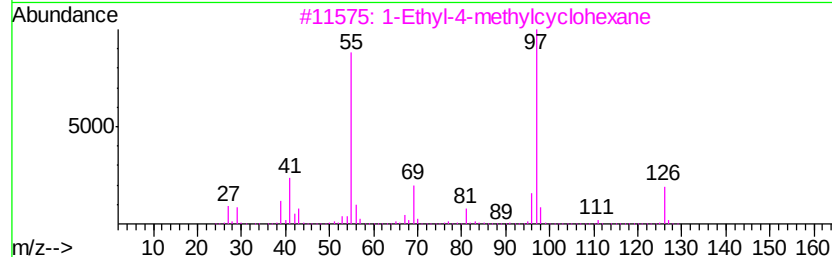
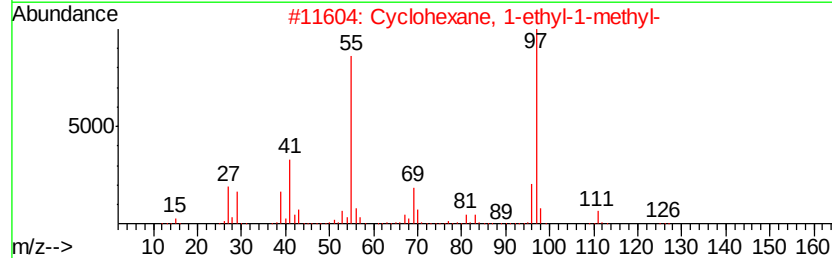
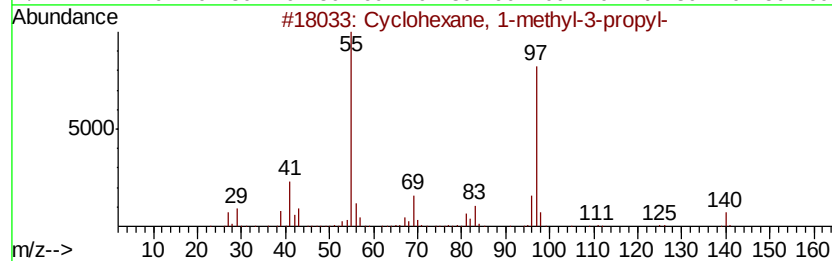
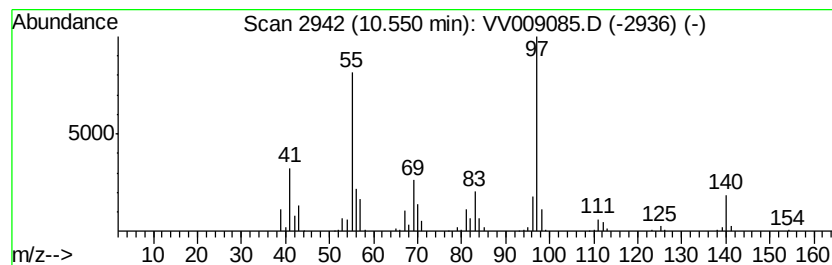
Instrument :
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ClientSampleId :
BE7Z6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic10.55 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	16.32 ug/L	164385	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-methyl-3-propyl-	140 C10H20	004291-80-9 72
2		Cyclohexane, 1-ethyl-1-methyl-	126 C9H18	004926-90-3 64
3		1-Ethyl-4-methylcyclohexane	126 C9H18	003728-56-1 64
4		Cyclohexane, 1,1-dimethyl-	112 C8H16	000590-66-9 62
5		1-Ethyl-3-methylcyclohexane (c,t)	126 C9H18	003728-55-0 59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

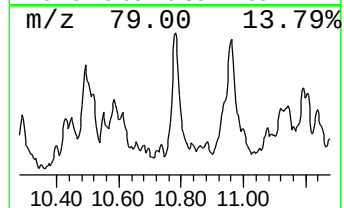
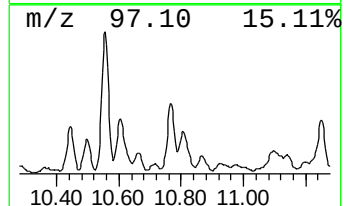
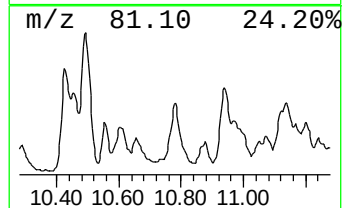
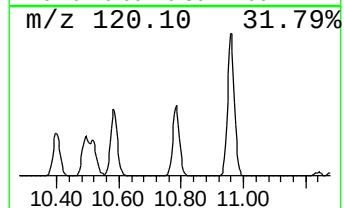
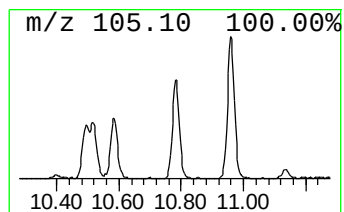
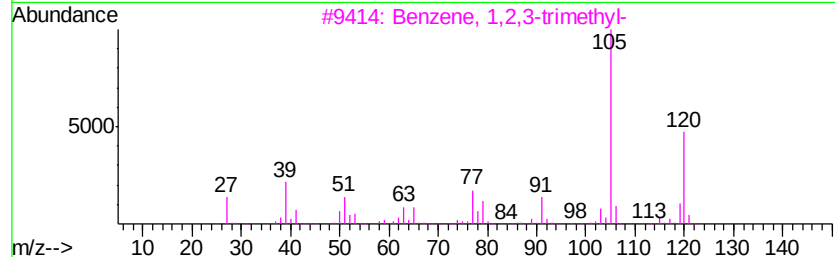
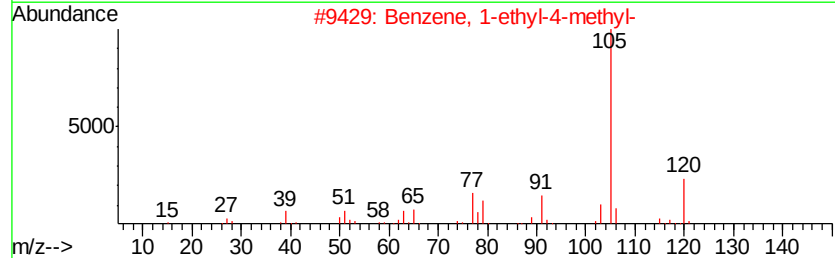
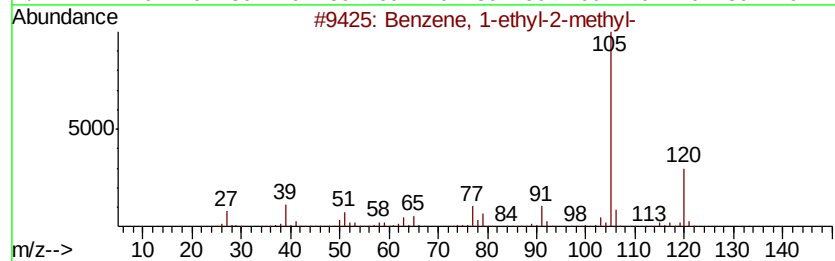
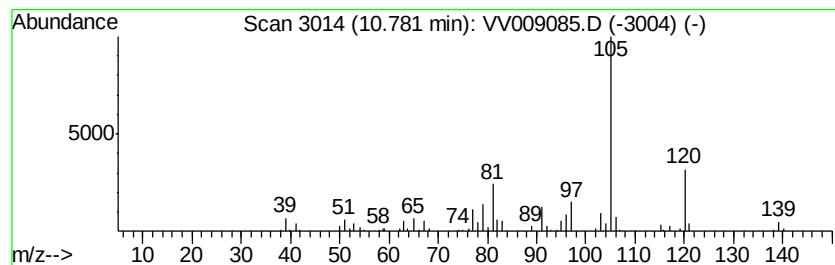
Instrument :
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ClientSampled :
BE7Z6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1-ethyl-2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	9.43 ug/L	95000	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 90
2		Benzene, 1-ethyl-4-methyl-	120 C9H12	000622-96-8 90
3		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 60
4		Benzene, 1-ethyl-4-methyl-	120 C9H12	000622-96-8 60
5		Mesitylene	120 C9H12	000108-67-8 60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

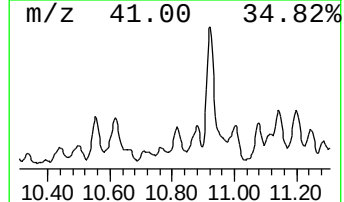
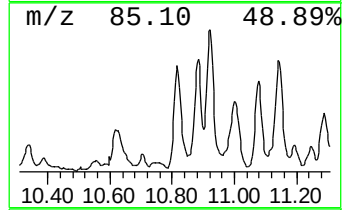
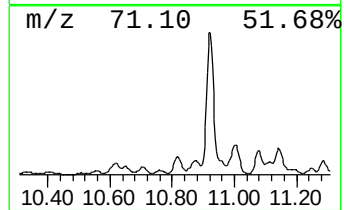
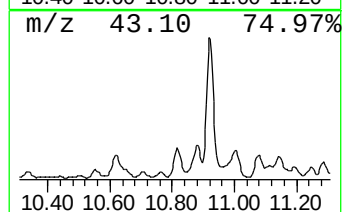
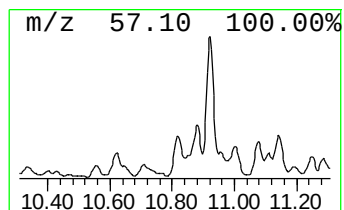
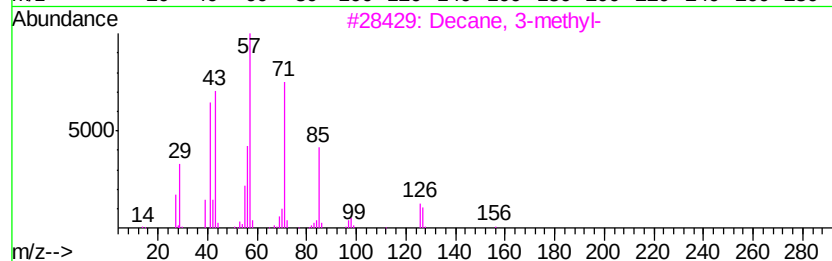
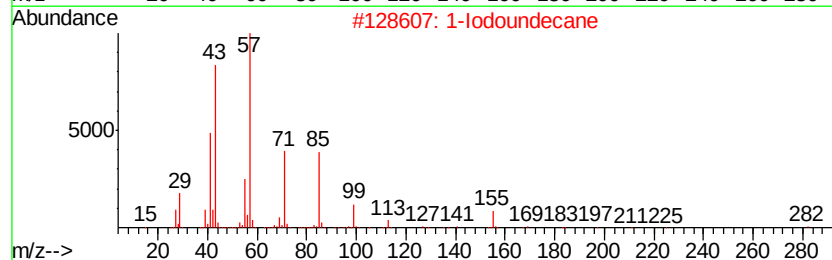
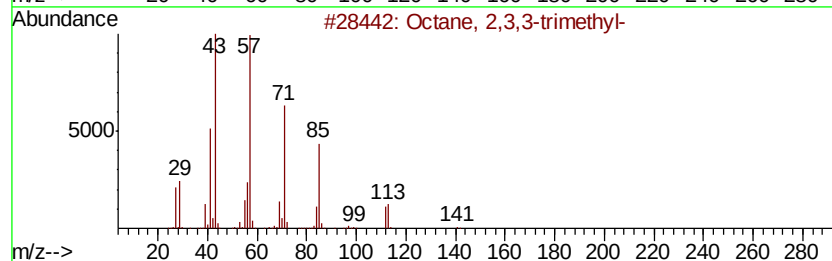
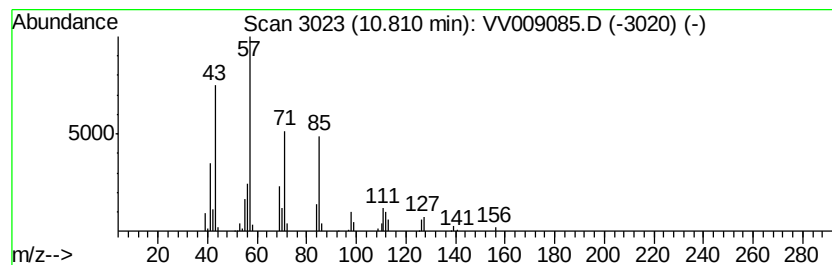
Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.81	8.69 ug/L	87511	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	64
2	1-Iodoundecane	282	C11H23I	004282-44-4	50
3	Decane, 3-methyl-	156	C11H24	013151-34-3	50
4	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	49
5	Octane, 2-methyl-	128	C9H20	003221-61-2	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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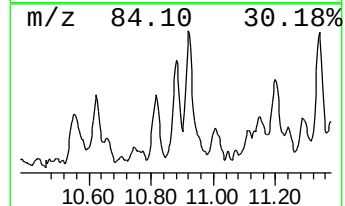
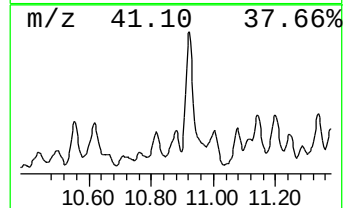
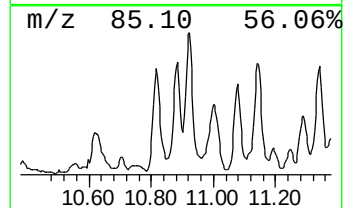
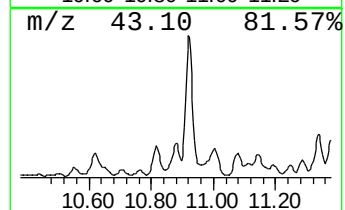
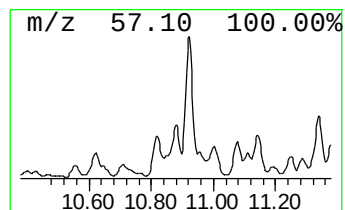
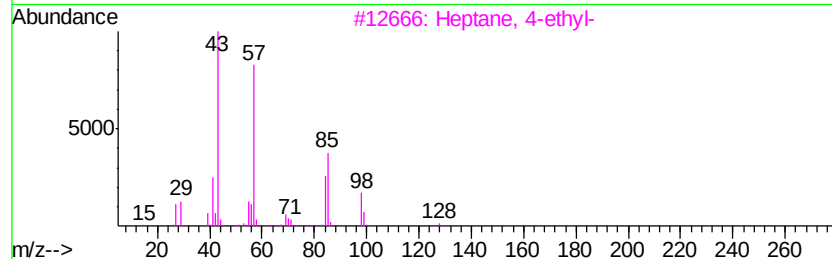
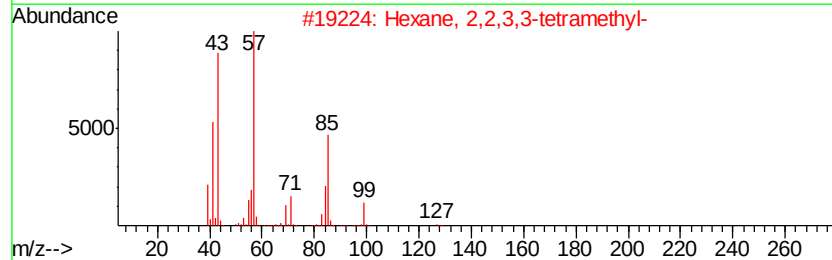
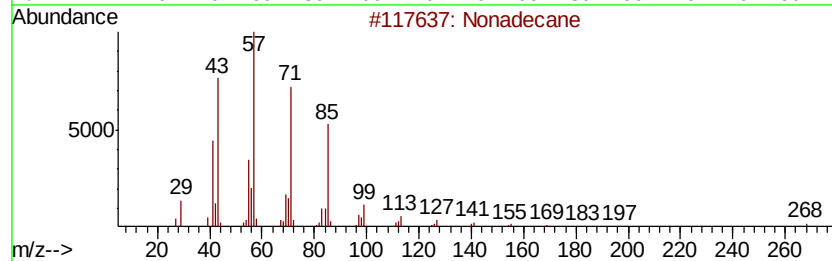
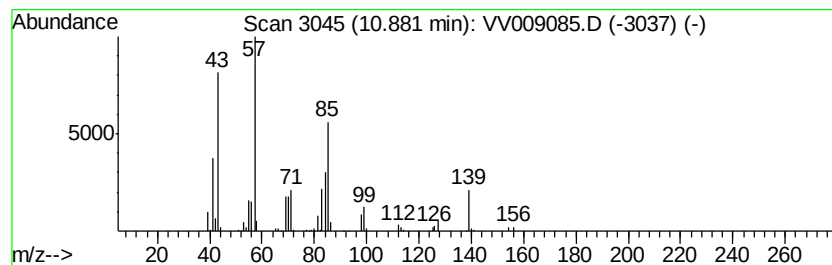
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	7.41 ug/L	74617	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	47
2			Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	43
3			Heptane, 4-ethyl-	128	C9H20	002216-32-2	43
4			Heptane, 4-ethyl-	128	C9H20	002216-32-2	43
5			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

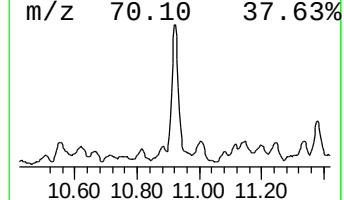
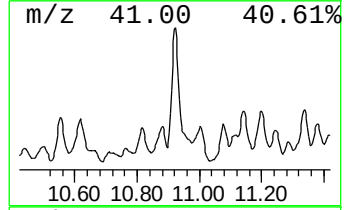
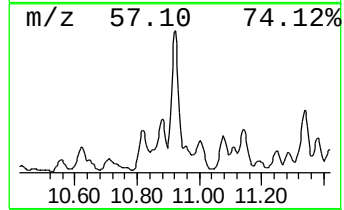
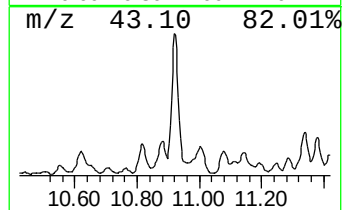
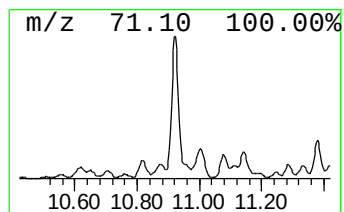
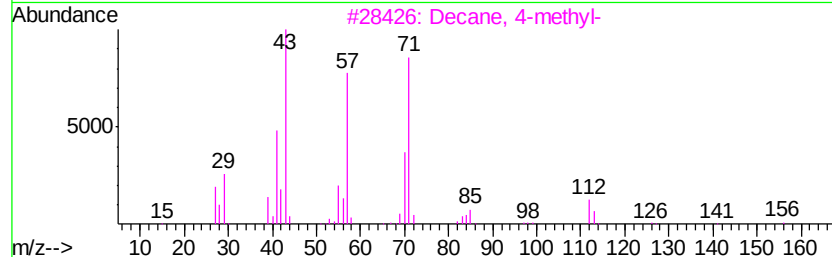
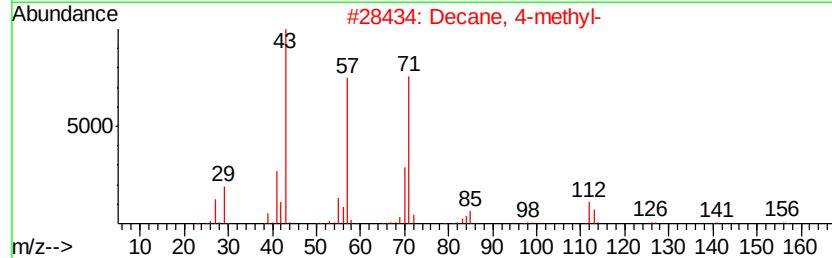
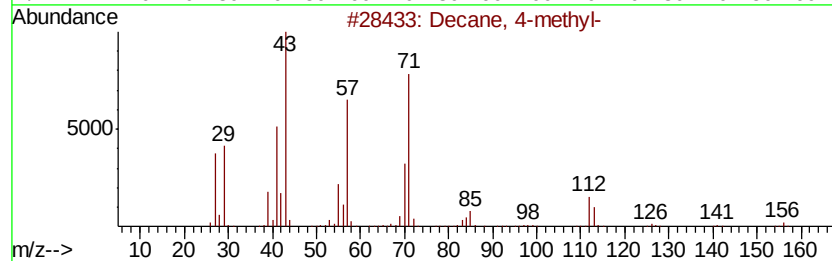
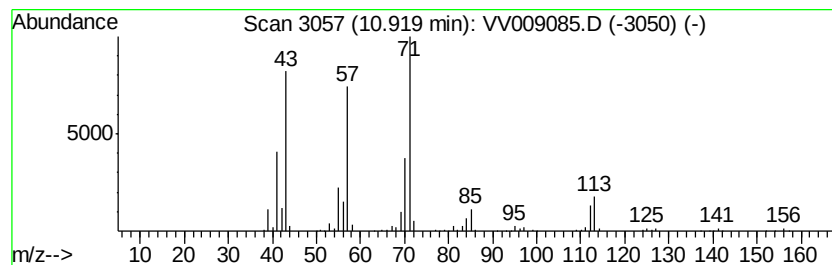
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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	45.11 ug/L	454237	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	91
2		Decane, 4-methyl-	156	C11H24	002847-72-5	90
3		Decane, 4-methyl-	156	C11H24	002847-72-5	90
4		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
5		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

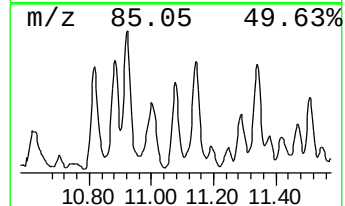
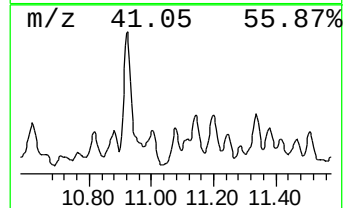
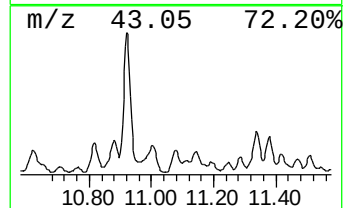
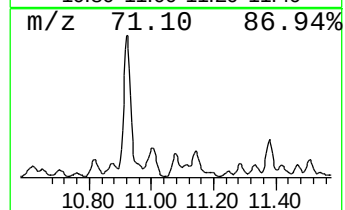
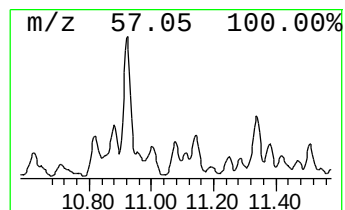
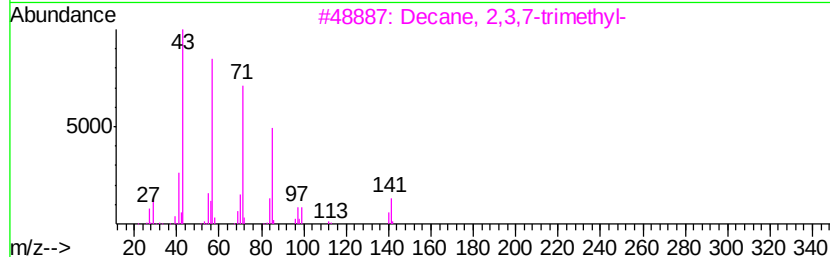
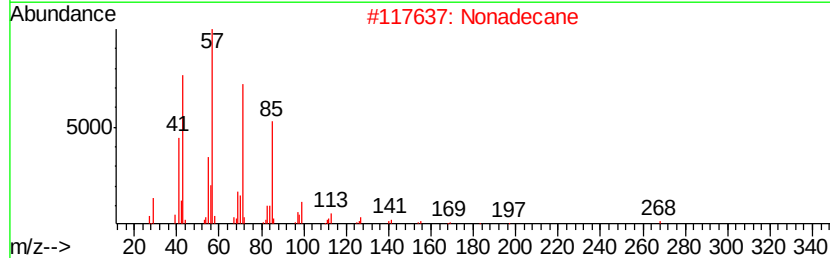
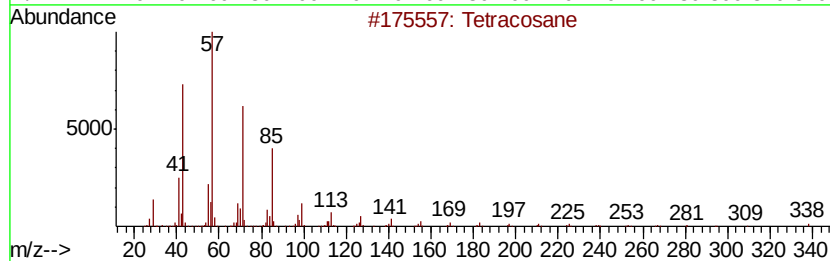
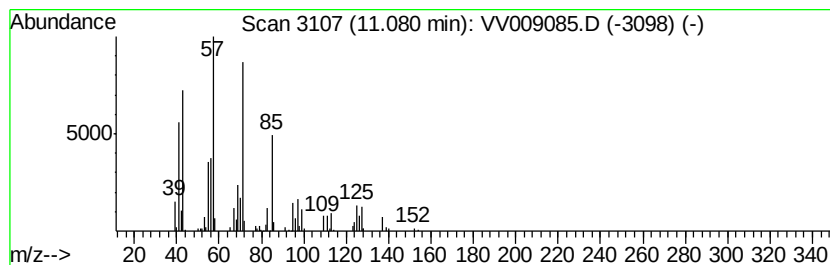
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	12.75 ug/L	128388	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	64
2		Nonadecane	268	C19H40	000629-92-5	64
3		Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	59
4		Undecane, 3,4-dimethyl-	184	C13H28	017312-78-6	53
5		Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

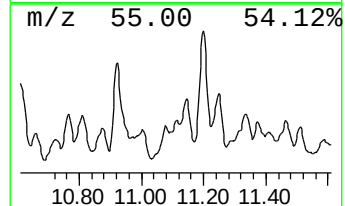
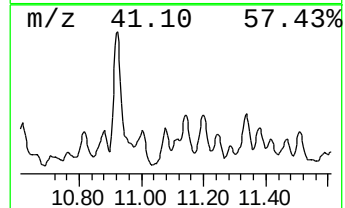
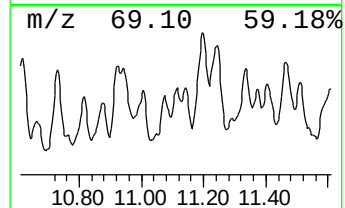
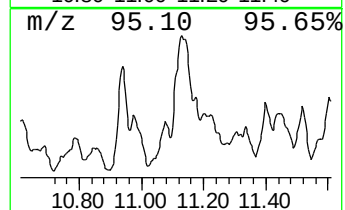
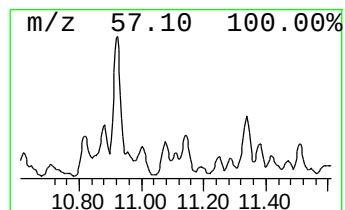
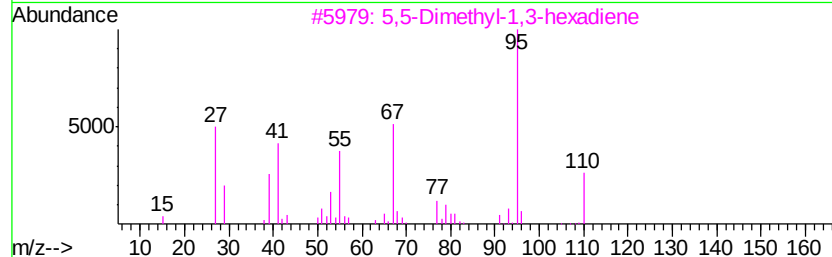
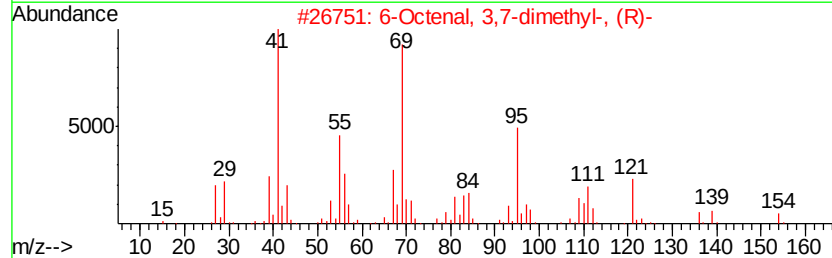
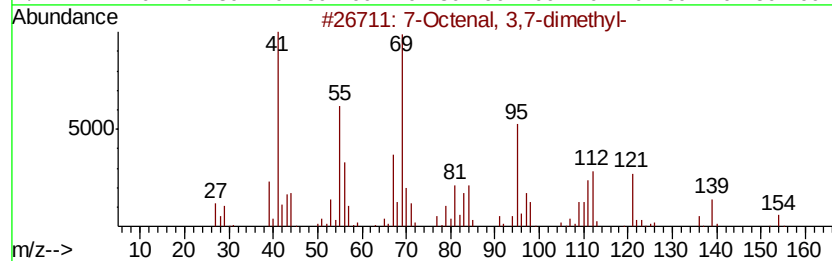
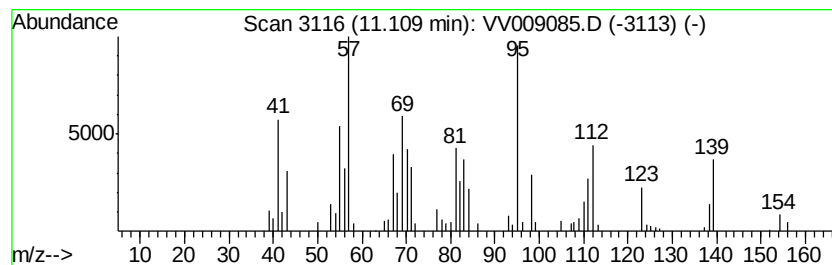
Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

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Quant Title : VOC Analysis

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

Peak Number 28 7-Octenal, 3,7-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.11	6.71 ug/L	67560	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Octenal, 3,7-dimethyl-	154	C10H18O	000141-26-4	52
2	6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	49
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	42
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	42
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	42



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

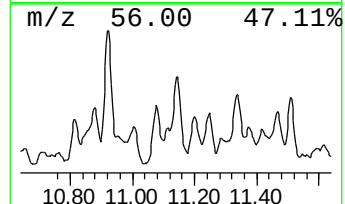
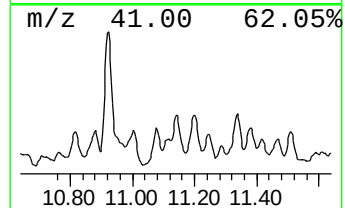
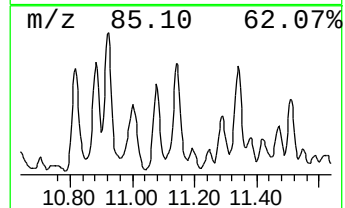
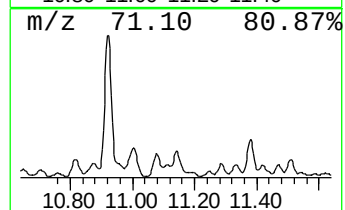
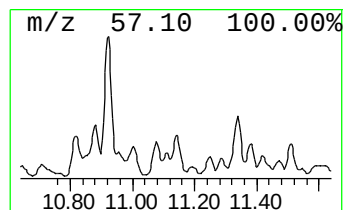
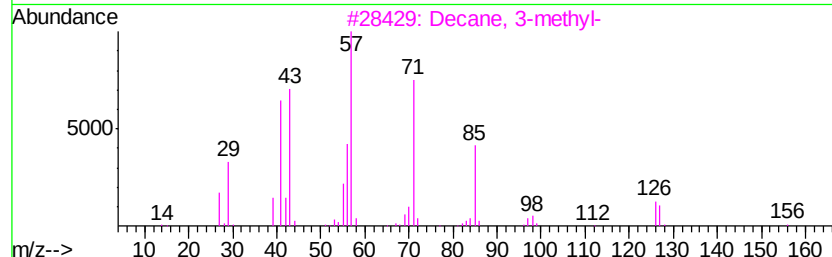
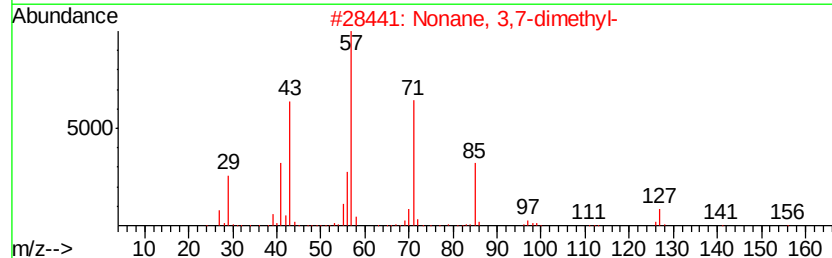
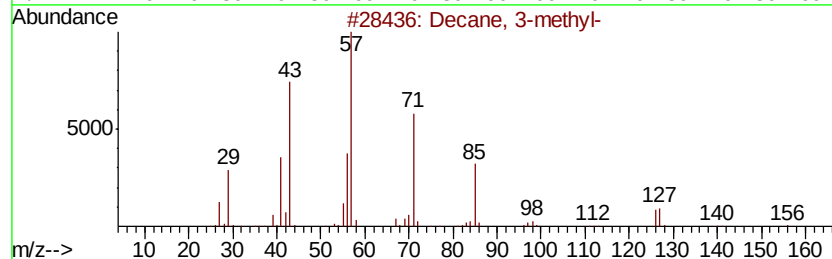
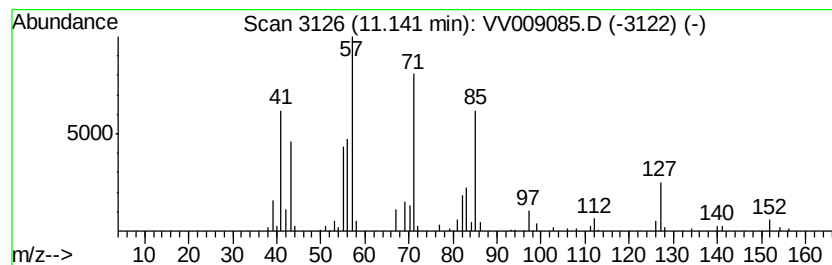
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.14	13.13 ug/L	132204	1,4-Dichlorobenzene-d4	11.30		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-		156	C11H24	013151-34-3	83
2	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	74
3	Decane, 3-methyl-		156	C11H24	013151-34-3	72
4	Dodecane, 3-methyl-		184	C13H28	017312-57-1	53
5	Sulfurous acid, 2-ethylhexyl hex...		278	C14H30O3S	1000309-20-2	47



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

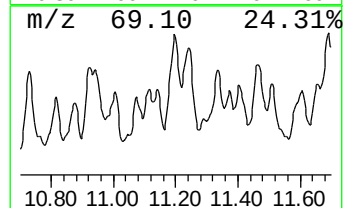
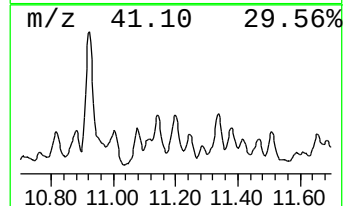
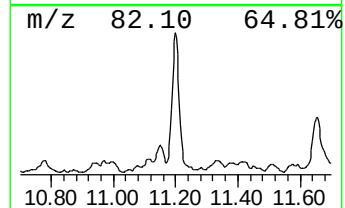
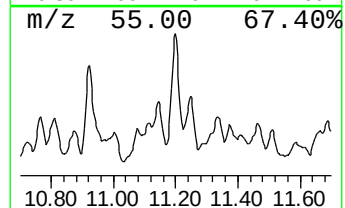
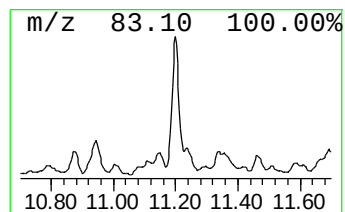
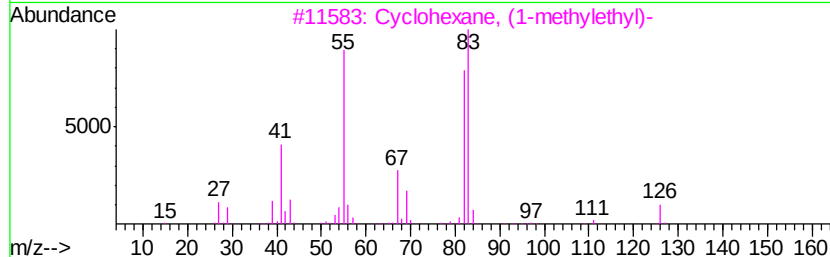
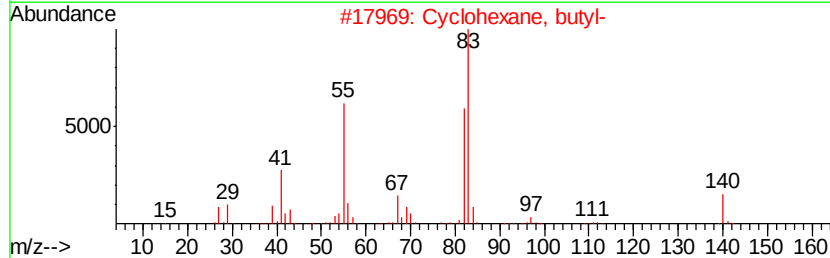
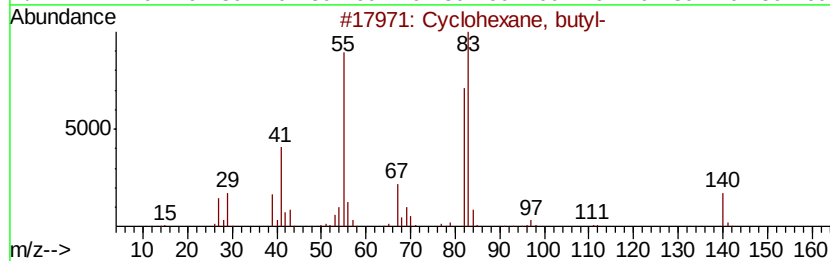
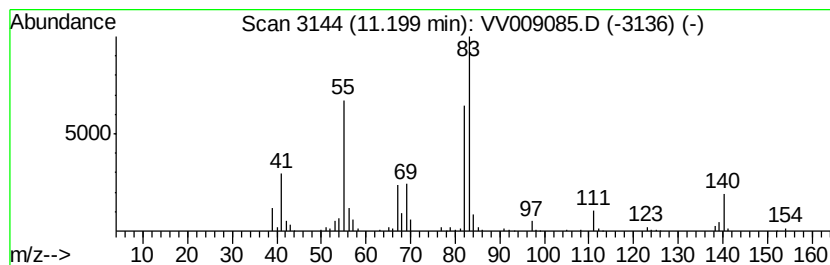
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Cyclic11.20 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.20	15.98 ug/L	160957	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	86
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
4	Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	59
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

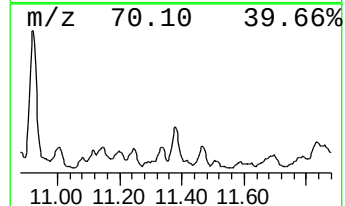
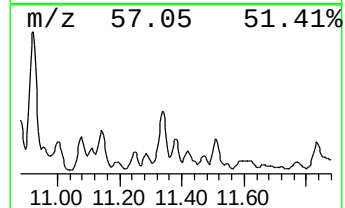
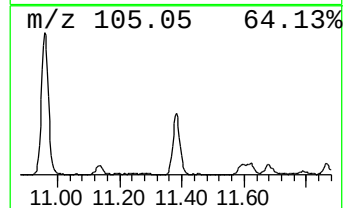
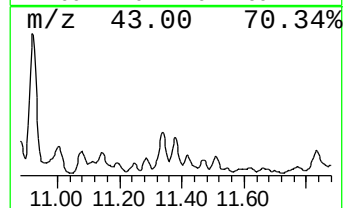
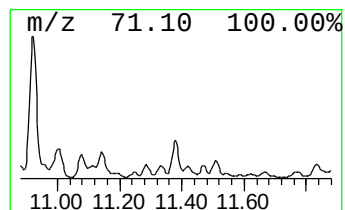
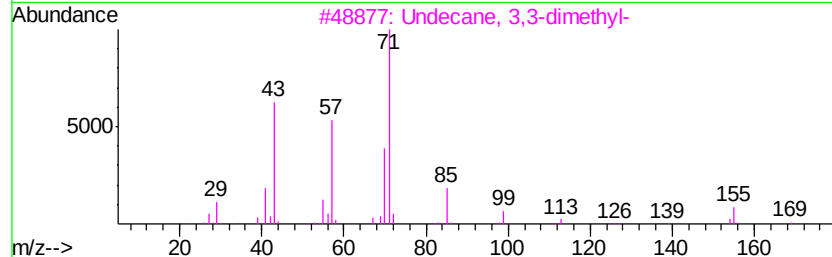
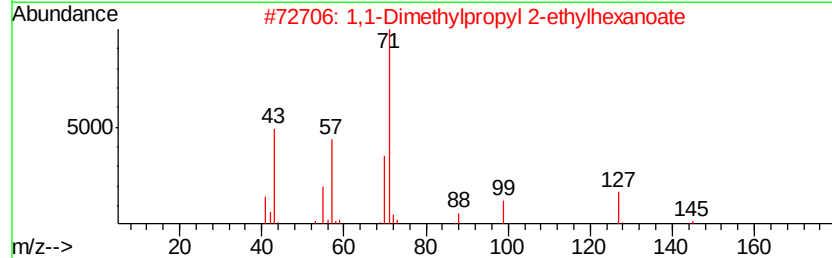
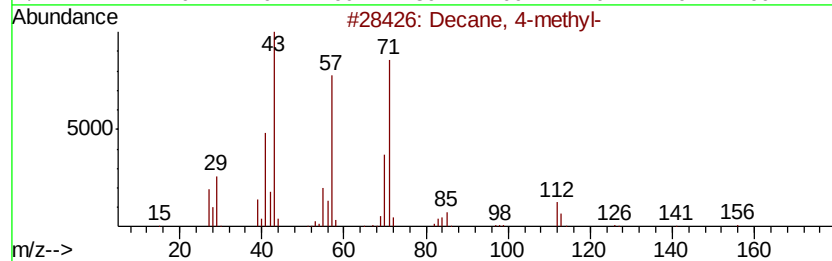
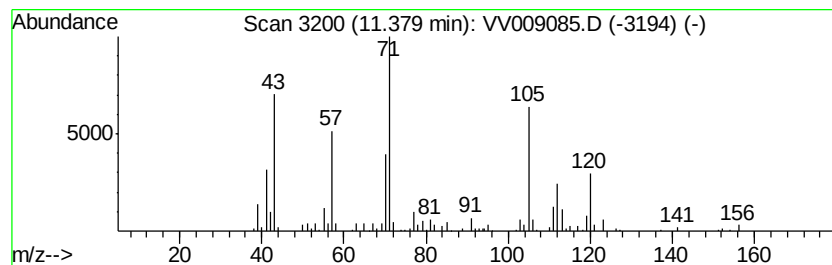
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ClientSampled :
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	10.30 ug/L	103685	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 4-methyl-	156 C11H24	002847-72-5	59
2	1,1-Dimethylpropyl 2-ethylhexanoate	214 C13H26O2	1000099-99-2	47
3	Undecane, 3,3-dimethyl-	184 C13H28	017312-65-1	47
4	2,4,4-Trimethyl-1-hexene	126 C9H18	051174-12-0	47
5	Tridecane, 7-methyl-	198 C14H30	026730-14-3	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

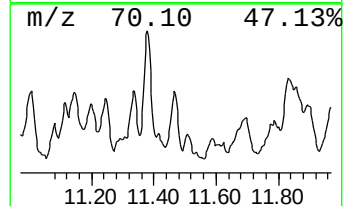
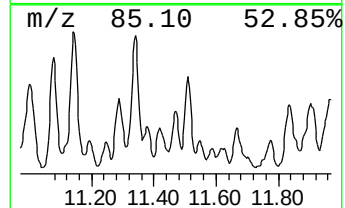
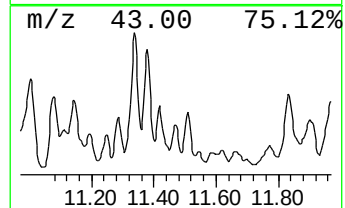
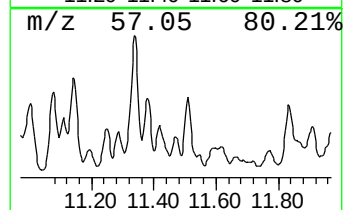
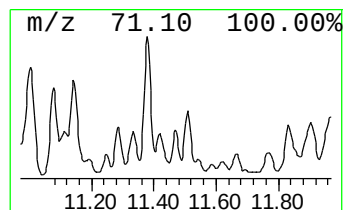
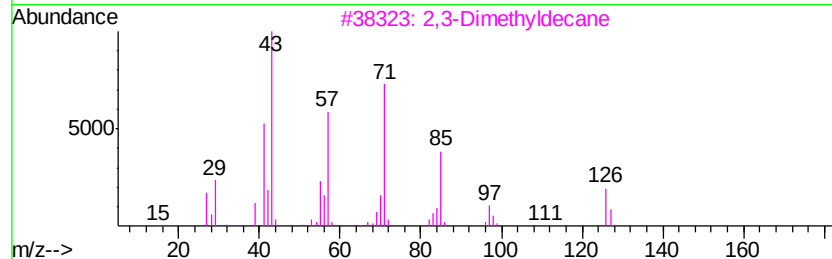
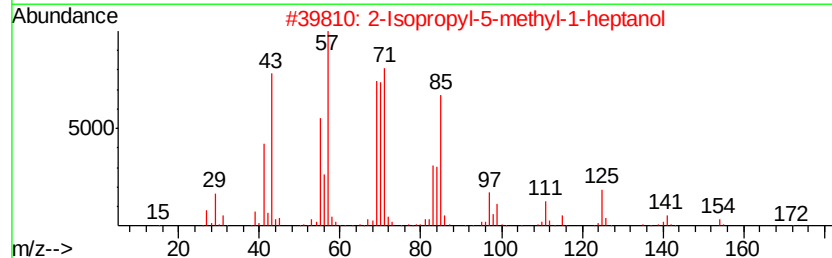
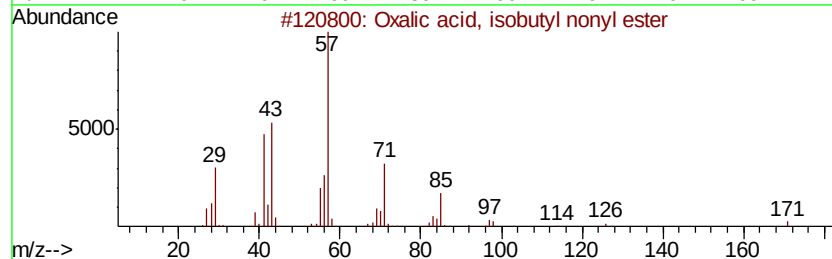
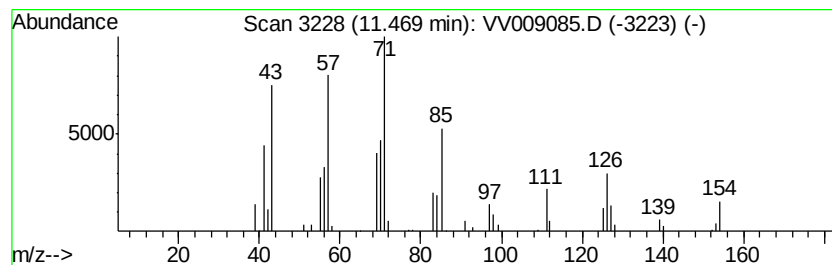
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 32 Oxalic acid, isobutyl nonyl... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.47	5.83 ug/L	58715	1,4-Dichlorobenzene-d4	11.30		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	50
2		2-Isopropyl-5-methyl-1-heptanol	172	C11H24O	091337-07-4	46
3		2,3-Dimethyldecane	170	C12H26	017312-44-6	43
4		Undecane, 3,4-dimethyl-	184	C13H28	017312-78-6	43
5		Nonane, 5-butyl-	184	C13H28	017312-63-9	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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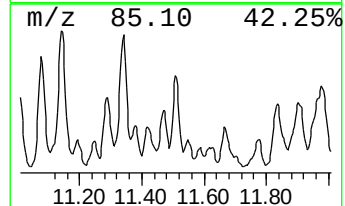
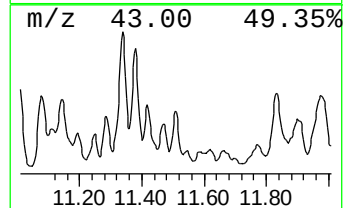
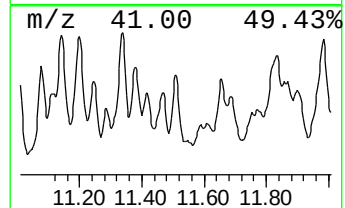
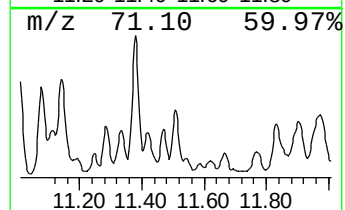
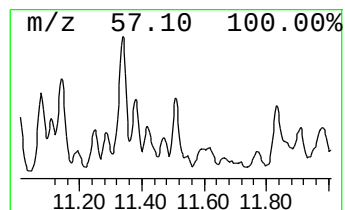
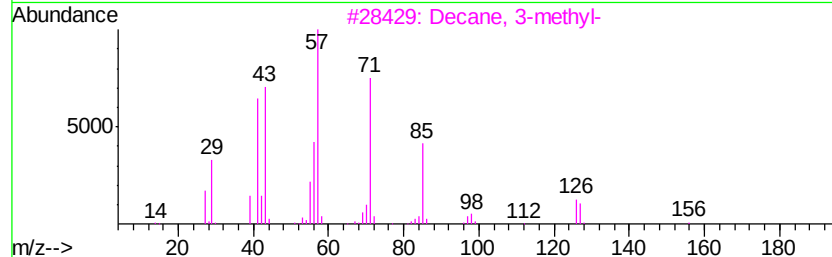
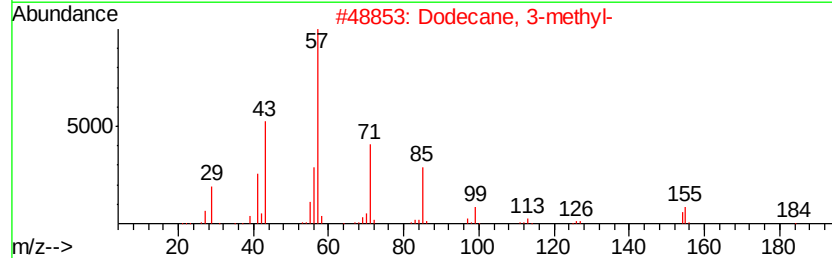
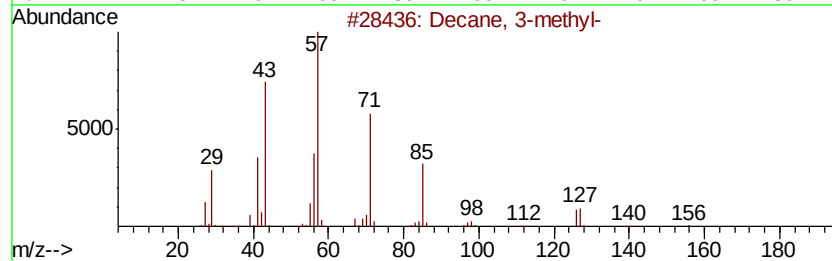
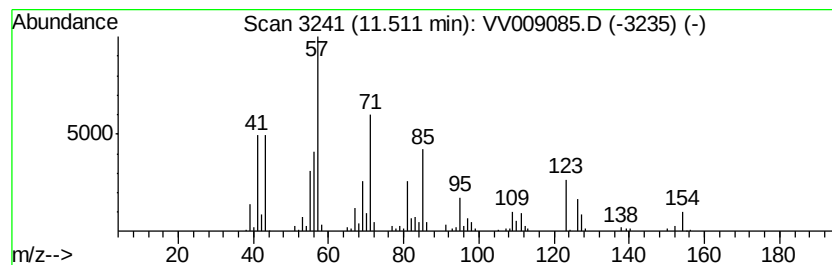
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	10.48 ug/L	105546	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	53
2		Dodecane, 3-methyl-	184	C13H28	017312-57-1	47
3		Decane, 3-methyl-	156	C11H24	013151-34-3	46
4		Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	43
5		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

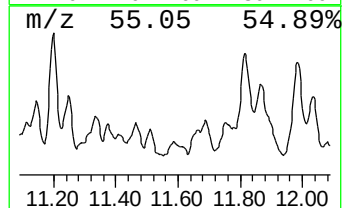
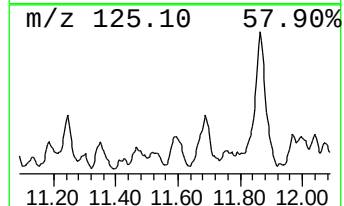
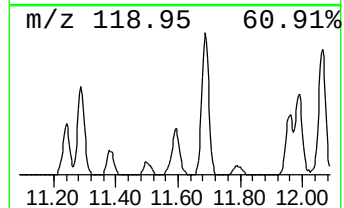
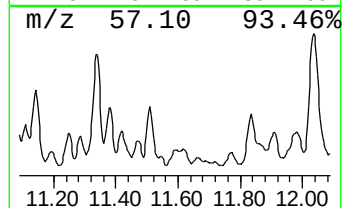
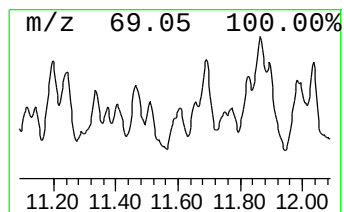
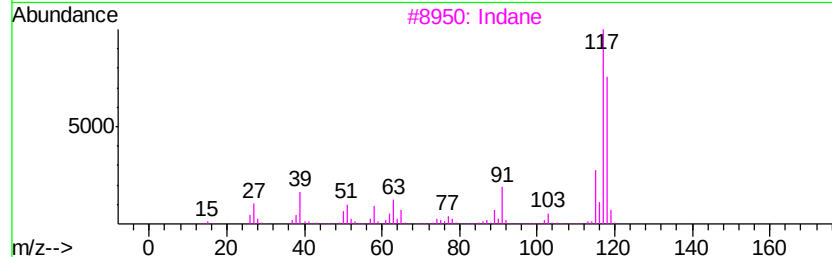
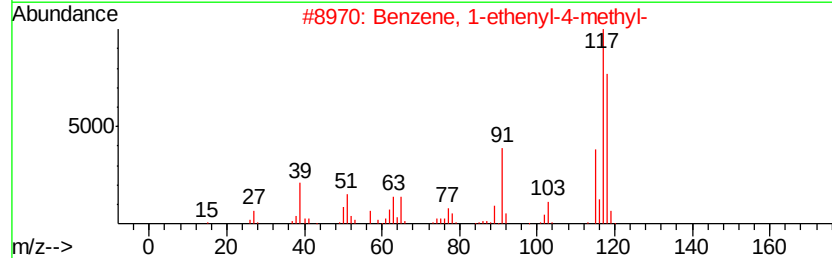
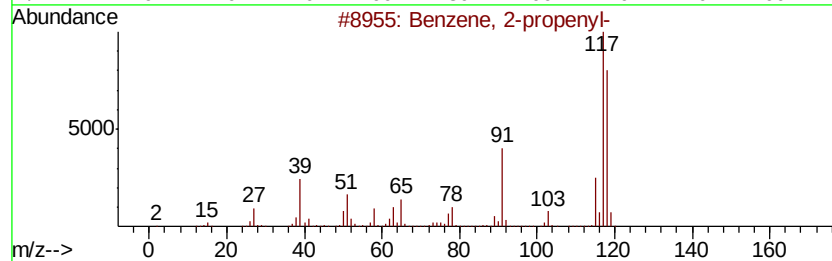
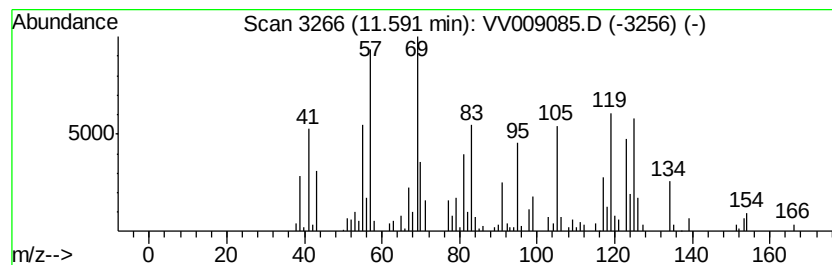
Instrument :
MSVOA_V
ClientSampled :
BE7Z6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 34 Benzene, 2-propenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	10.58 ug/L	106587	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-propenyl-	118 C9H10	000300-57-2 60
2		Benzene, 1-ethenyl-4-methyl-	118 C9H10	000622-97-9 48
3		Indane	118 C9H10	000496-11-7 35
4		Benzene, 2-propenyl-	118 C9H10	000300-57-2 35
5		(Z)-1-Phenylpropene	118 C9H10	000766-90-5 35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

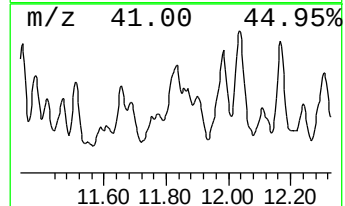
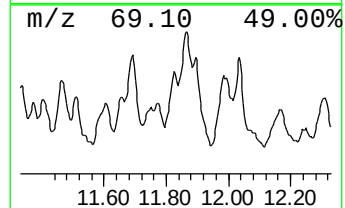
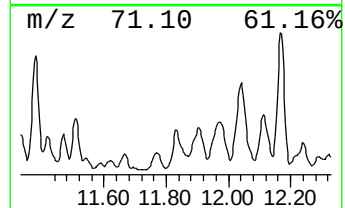
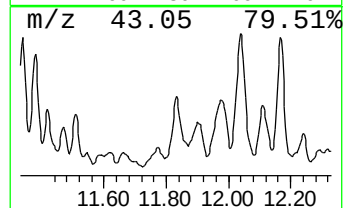
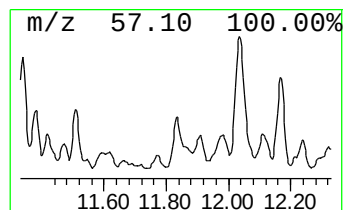
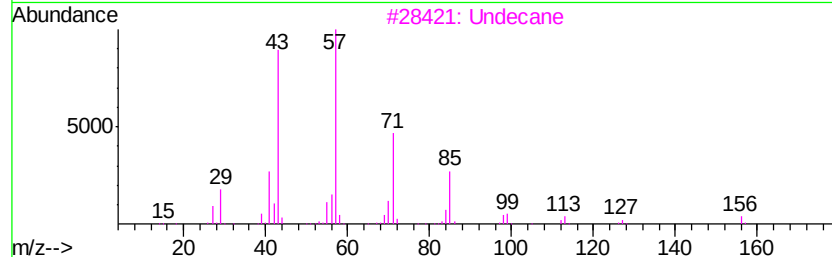
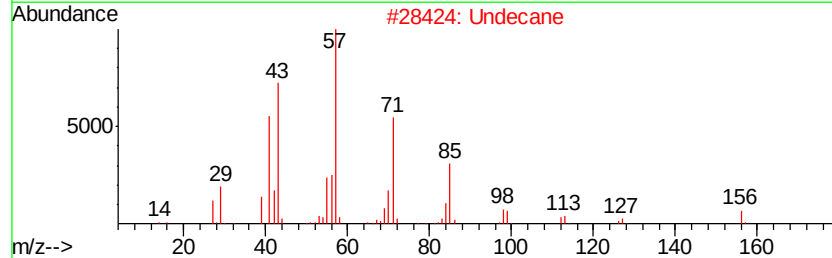
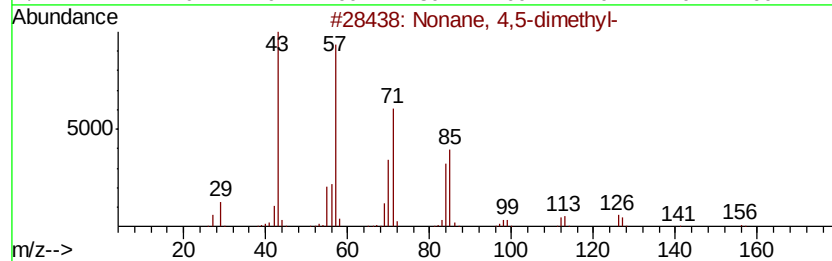
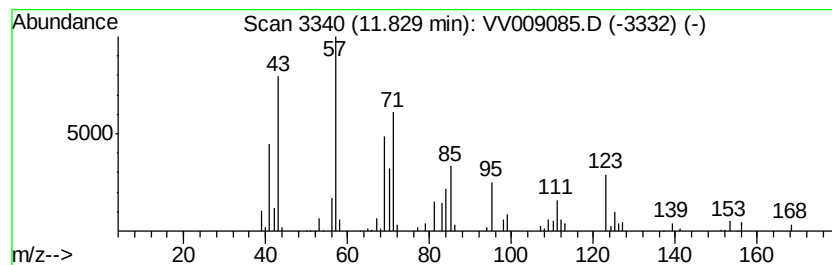
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Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	8.65 ug/L	87119	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	49
2		Undecane	156	C11H24	001120-21-4	45
3		Undecane	156	C11H24	001120-21-4	45
4		1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	43
5		Hexadecane	226	C16H34	000544-76-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

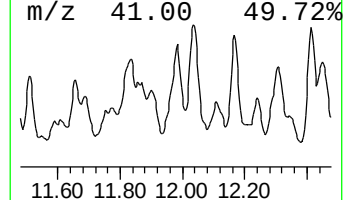
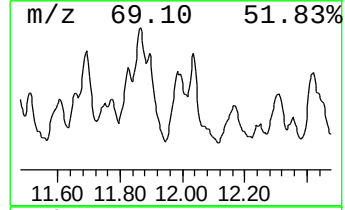
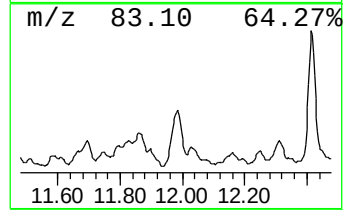
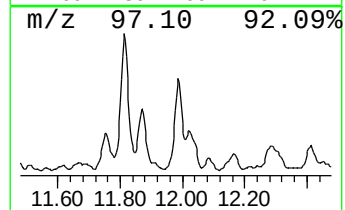
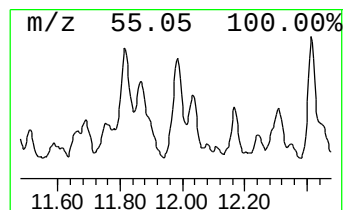
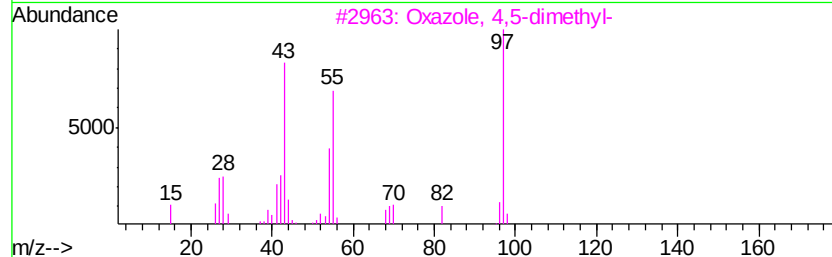
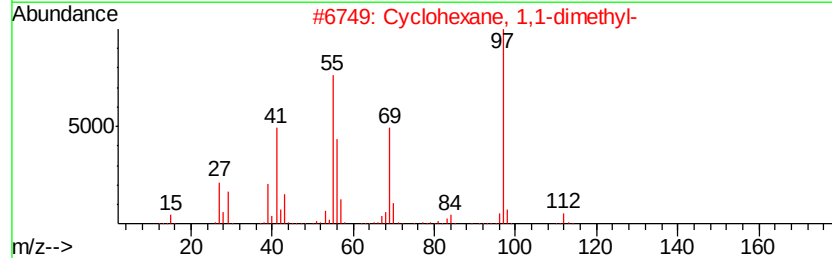
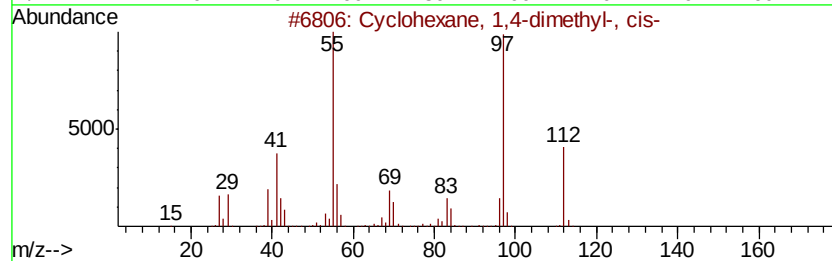
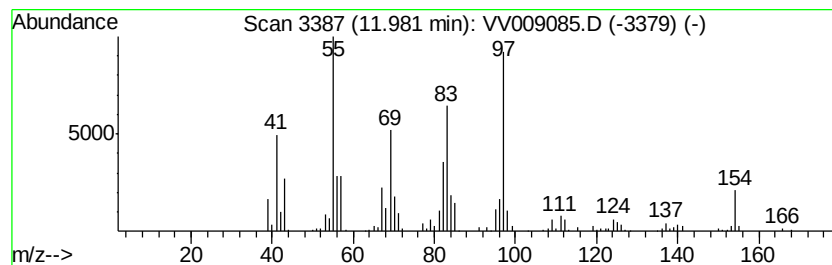
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Cyclic11.98 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	16.49 ug/L	166011	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,4-dimethyl-, cis-	112 C8H16	000624-29-3 43
2		Cyclohexane, 1,1-dimethyl-	112 C8H16	000590-66-9 38
3		Oxazole, 4,5-dimethyl-	97 C5H7NO	020662-83-3 38
4		Cyclohexane, 1,1-dimethyl-	112 C8H16	000590-66-9 38
5		Cyclohexane, 1,3-dimethyl-, trans-	112 C8H16	002207-03-6 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
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Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

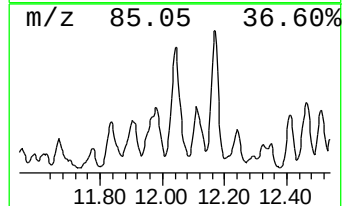
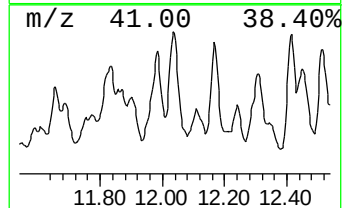
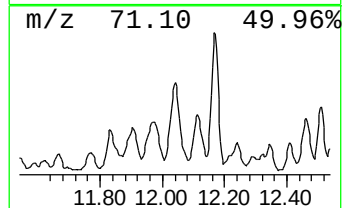
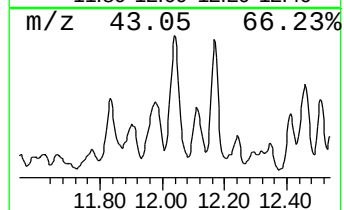
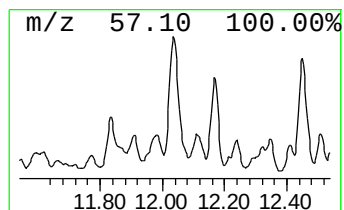
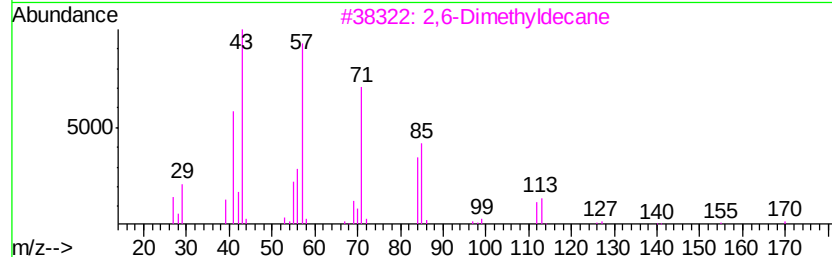
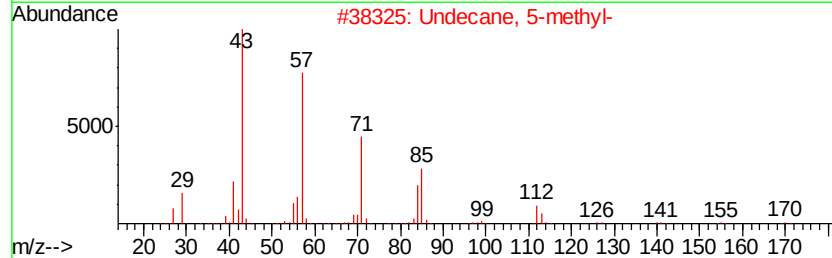
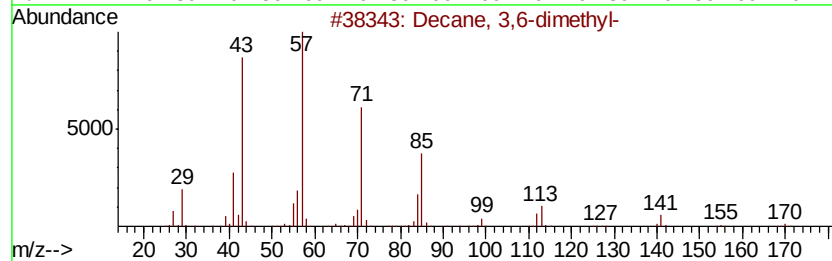
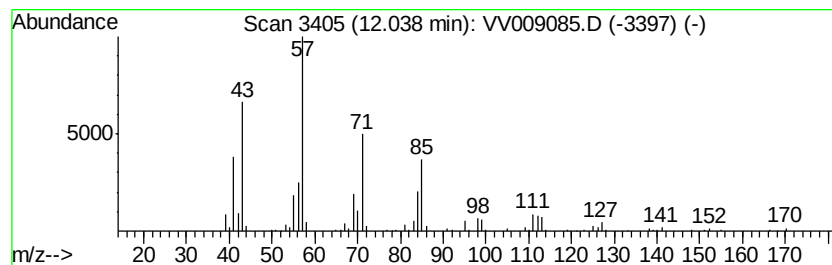
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	21.48 ug/L	216326	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Decane, 3,6-dimethyl-	170 C12H26	017312-53-7 76
2		Undecane, 5-methyl-	170 C12H26	001632-70-8 72
3		2,6-Dimethyldecane	170 C12H26	013150-81-7 64
4		Sulfurous acid, butyl heptadecyl...	376 C21H44O3S	1000309-18-4 59
5		Dodecane	170 C12H26	000112-40-3 59



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSV0A_V
ClientSampleId :
BE7Z6

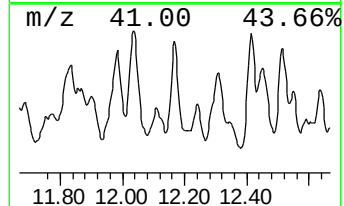
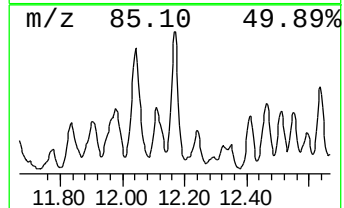
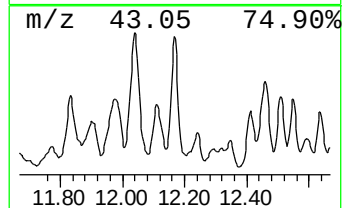
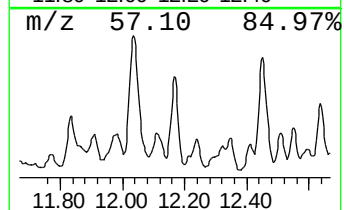
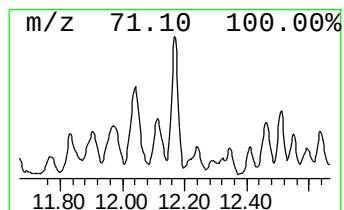
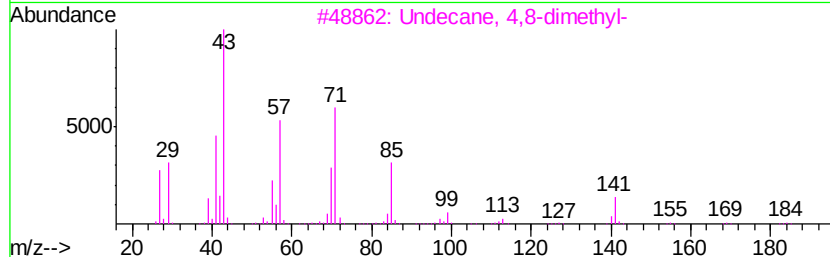
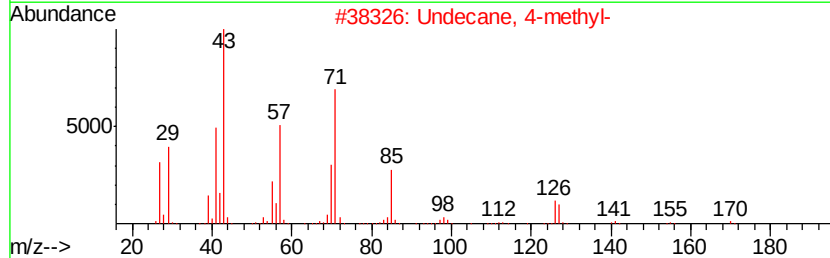
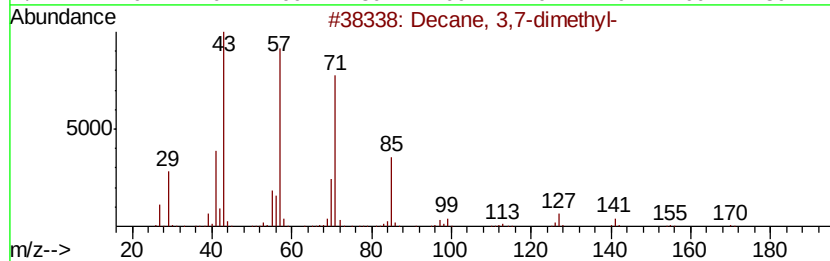
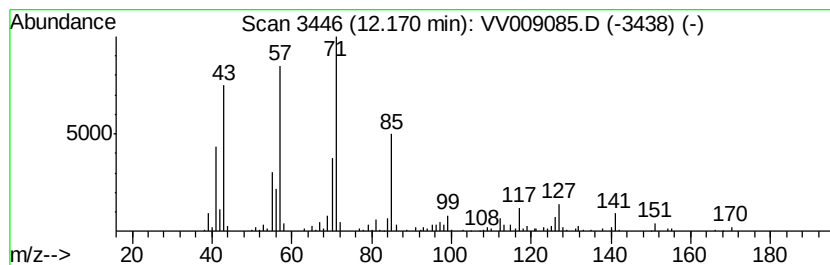
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Quant Title : VOC Analysis

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	16.76 ug/L	168727	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	93
2		Undecane, 4-methyl-	170	C12H26	002980-69-0	74
3		Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	64
4		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	64
5		Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

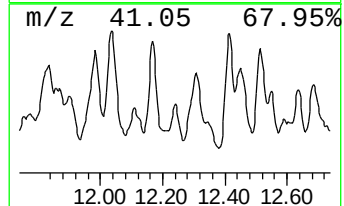
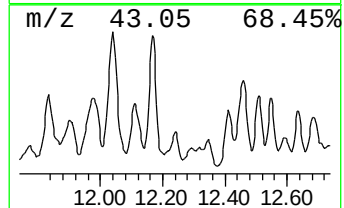
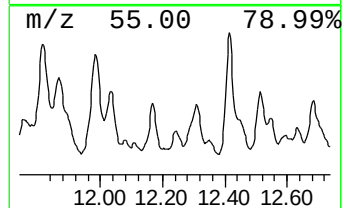
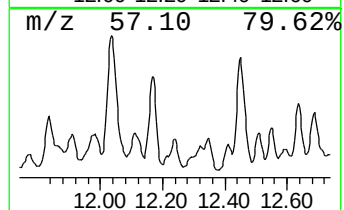
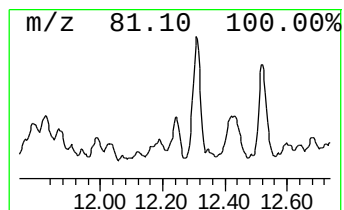
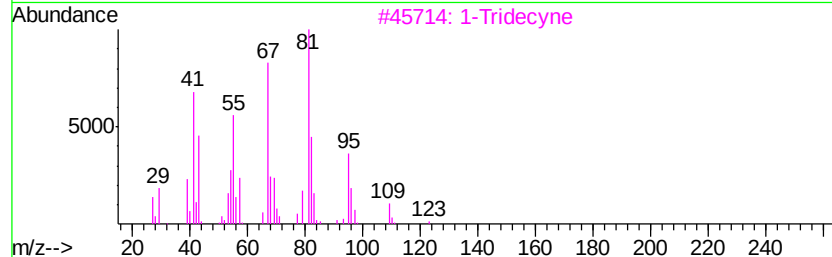
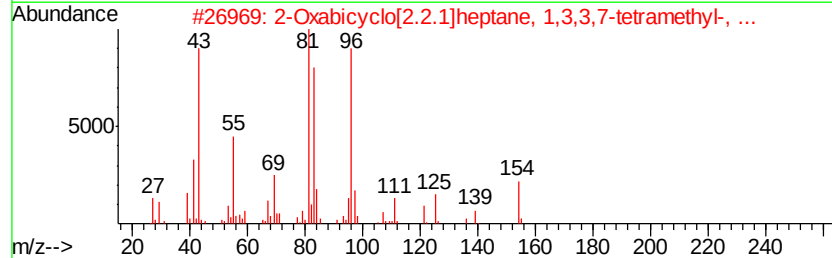
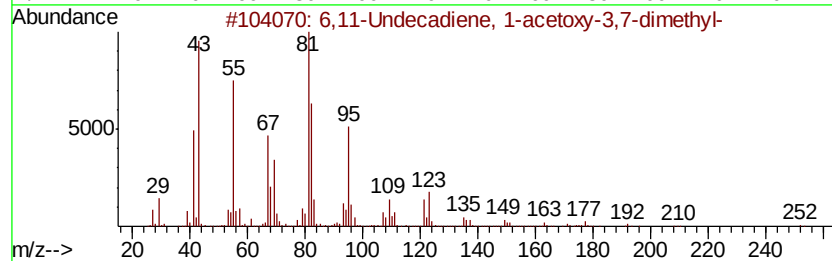
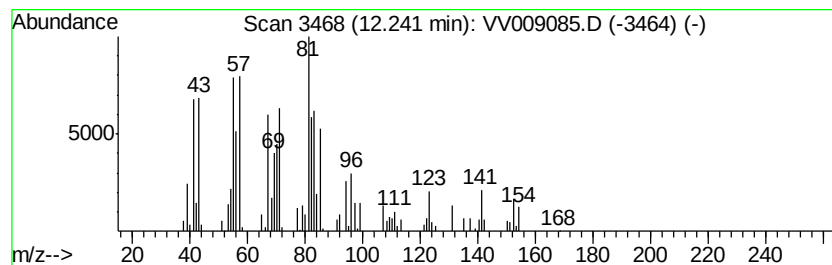
Instrument :
MSVOA_V
ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 39 unknown-03 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.24	6.41 ug/L	64586	1,4-Dichlorobenzene-d4	11.30		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,11-Undecadiene, 1-acetoxy-3,7-...	252	C16H28O2		1000150-66-0	35
2	2-Oxabicyclo[2.2.1]heptane, 1,3,...	154	C10H18O		015404-56-5	30
3	1-Tridecyne	180	C13H24		026186-02-7	22
4	Cyclohexene, 4-methyl-	96	C7H12		000591-47-9	18
5	Cyclohexene, 3-methyl-	96	C7H12		000591-48-0	14



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

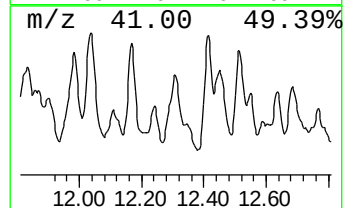
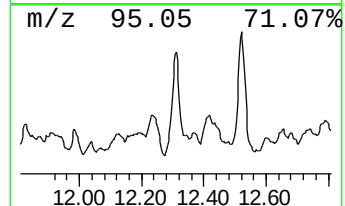
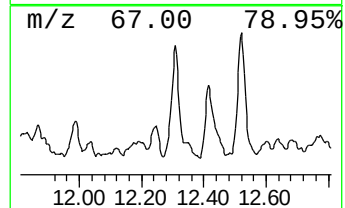
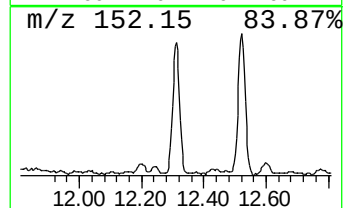
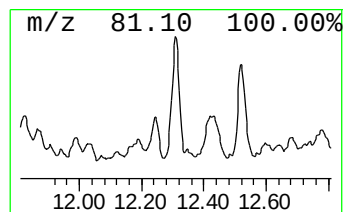
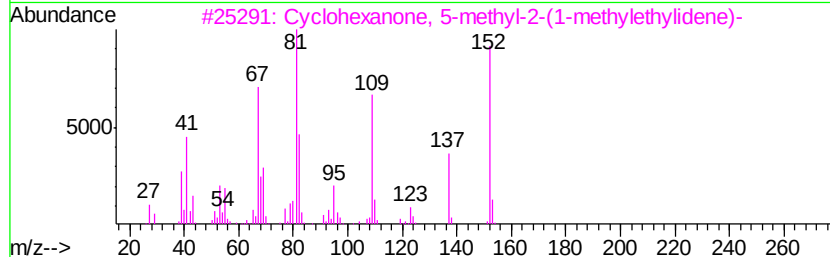
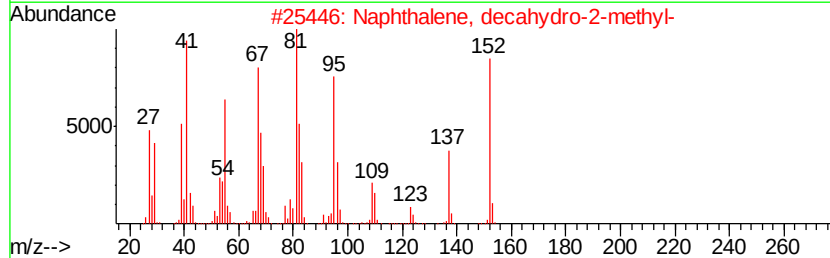
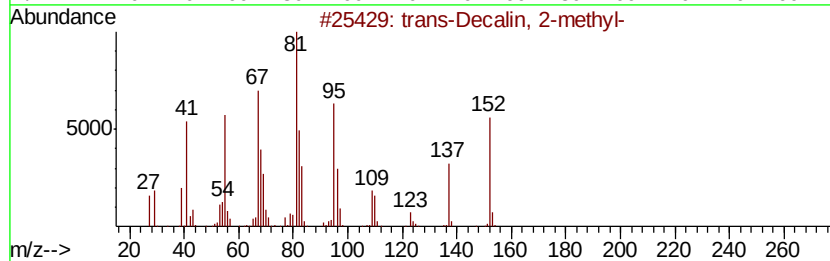
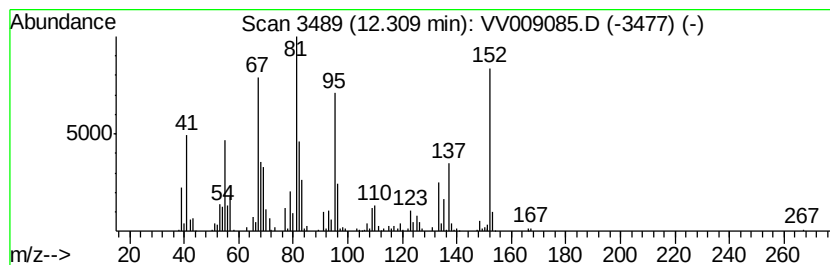
Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 40 trans-Decalin, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	25.04 ug/L	252122	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	93
2	Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1	87
3	Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6	86
4	Pulegone	152 C10H16O	000089-82-7	81
5	Pulegone	152 C10H16O	000089-82-7	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

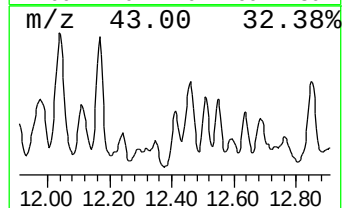
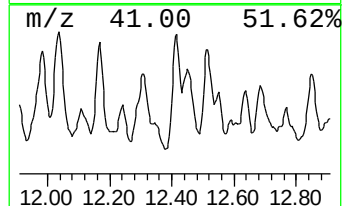
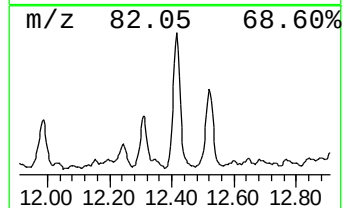
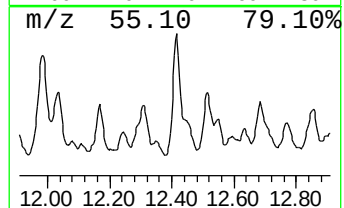
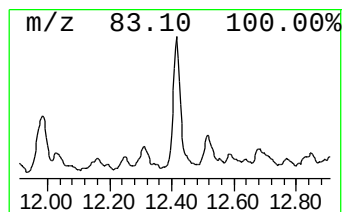
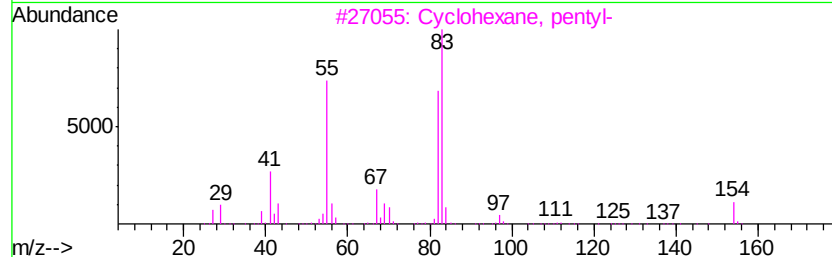
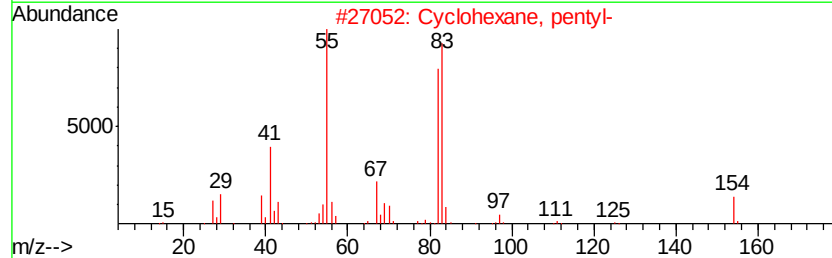
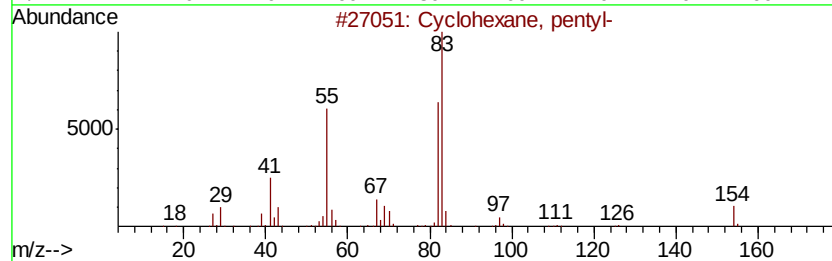
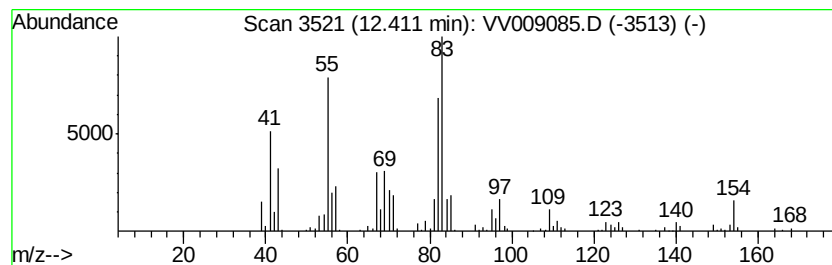
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Cyclic12.41 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	24.82 ug/L	249984	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, pentyl-	154 C11H22	004292-92-6 58
2		Cyclohexane, pentyl-	154 C11H22	004292-92-6 58
3		Cyclohexane, pentyl-	154 C11H22	004292-92-6 58
4		Cyclohexane, nonadecyl-	350 C25H50	022349-03-7 53
5		Cyclohexane, butyl-	140 C10H20	001678-93-9 53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

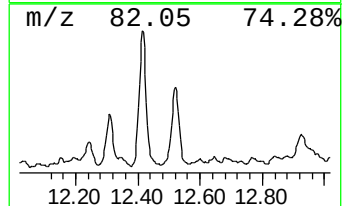
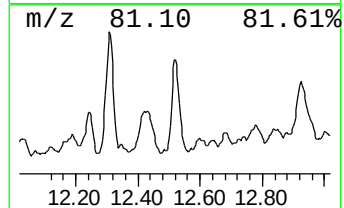
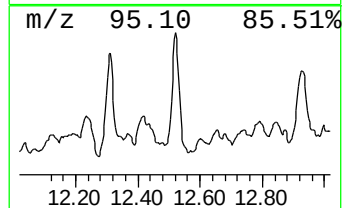
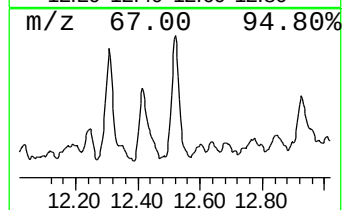
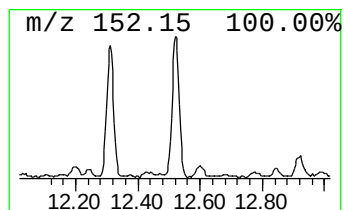
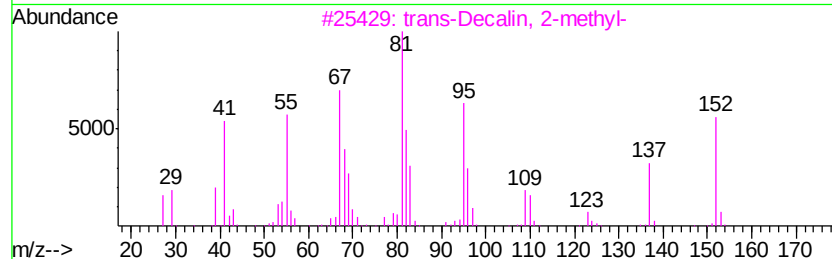
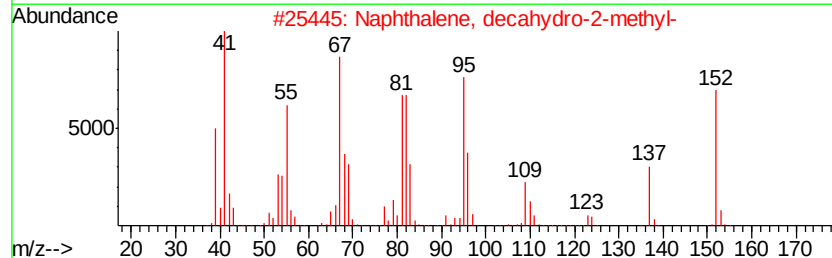
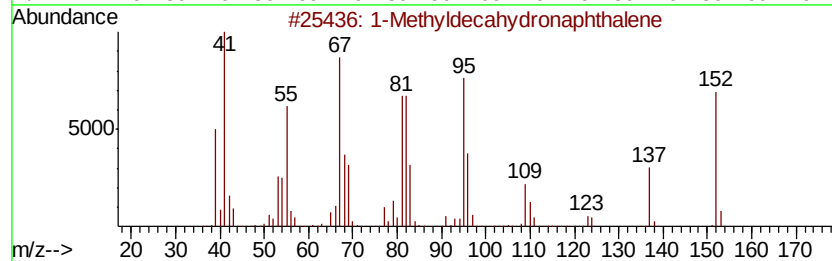
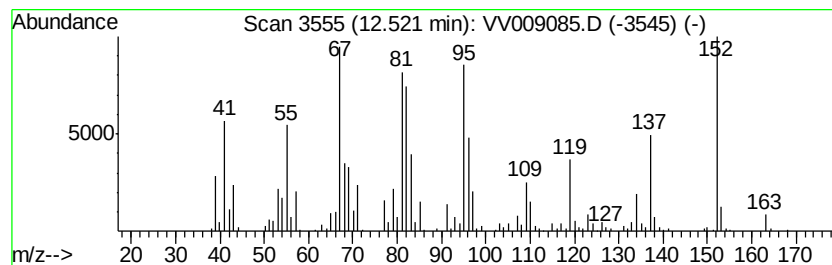
Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 42 1-Methyldecahydronaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	28.91 ug/L	291101	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Methyldecahydronaphthalene	152 C11H20	002958-75-0 96
2		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 96
3		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 70
4		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 68
5		cis-Decalin, 2-syn-methyl-	152 C11H20	1000155-85-6 62



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSV0A_V
ClientSampleId :
BE7Z6

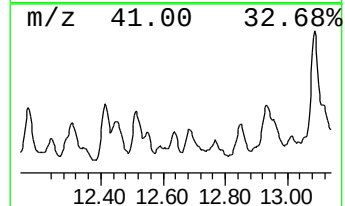
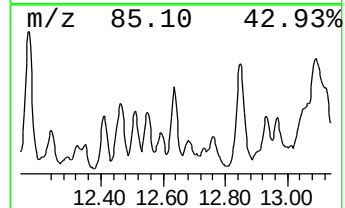
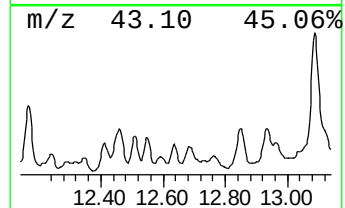
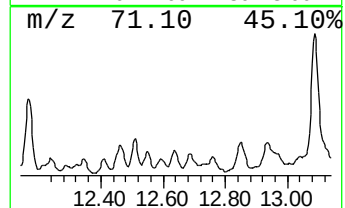
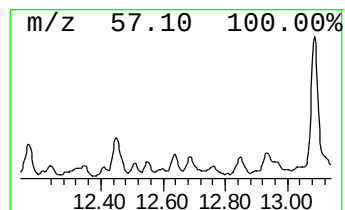
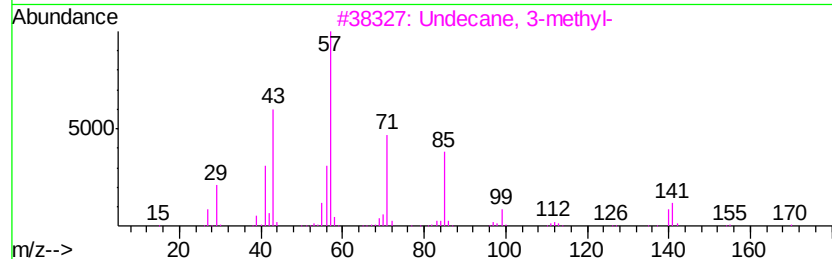
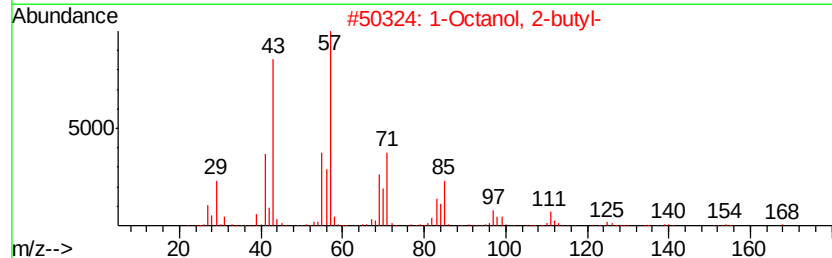
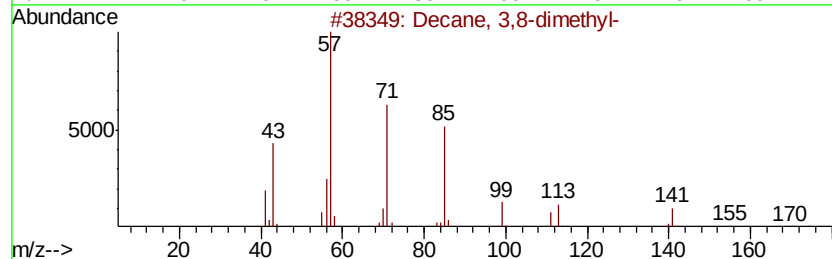
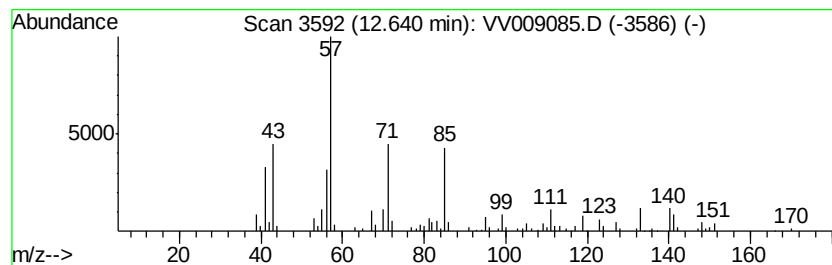
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	5.78 ug/L	58220	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53
2			1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	53
3			Undecane, 3-methyl-	170	C12H26	001002-43-3	53
4			Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	50
5			Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

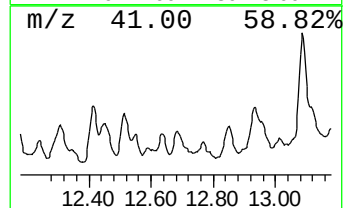
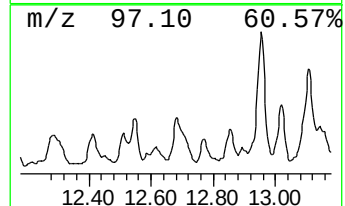
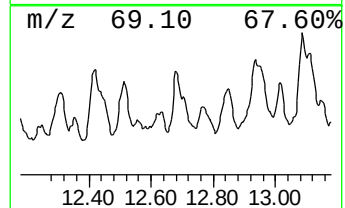
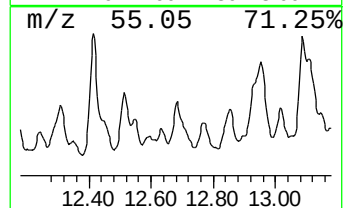
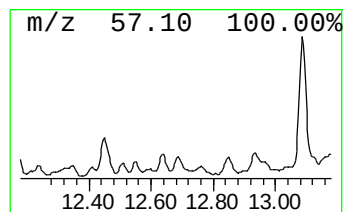
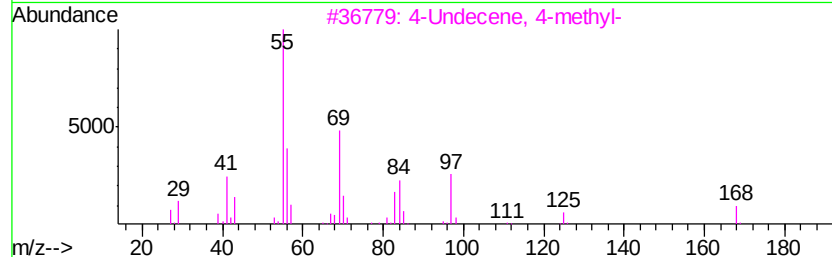
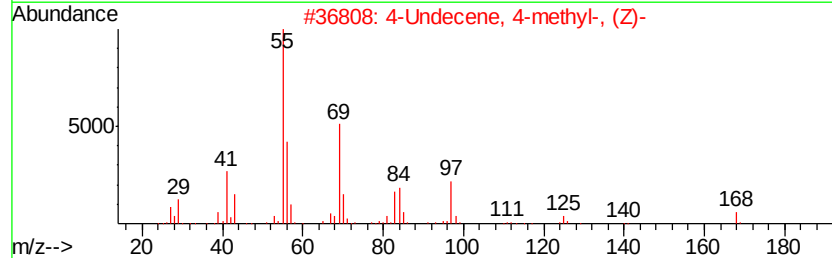
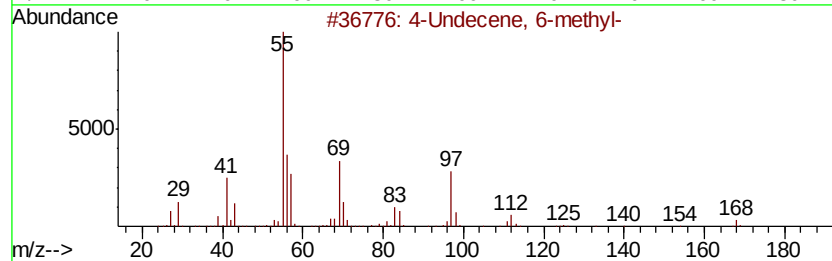
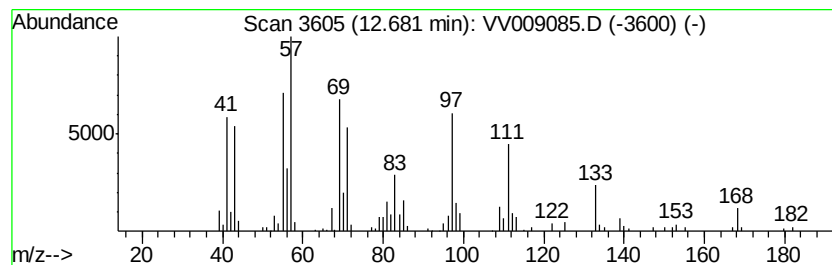
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Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Cyclic12.68 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	10.37 ug/L	104401	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Undecene, 6-methyl-	168	C12H24	1000061-85-4	43
2		4-Undecene, 4-methyl-, (Z)-	168	C12H24	074630-57-2	41
3		4-Undecene, 4-methyl-	168	C12H24	061142-40-3	41
4		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	30
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

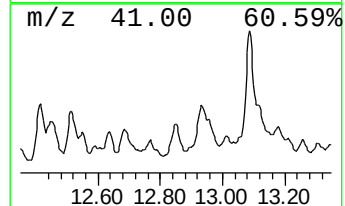
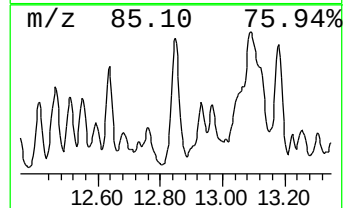
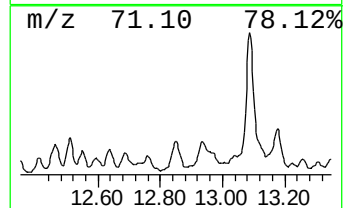
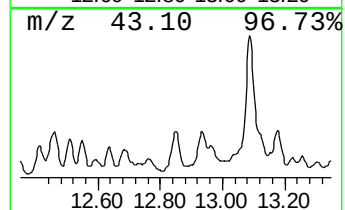
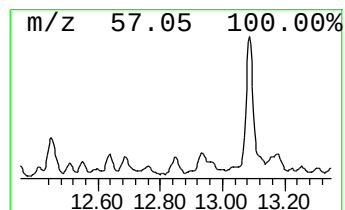
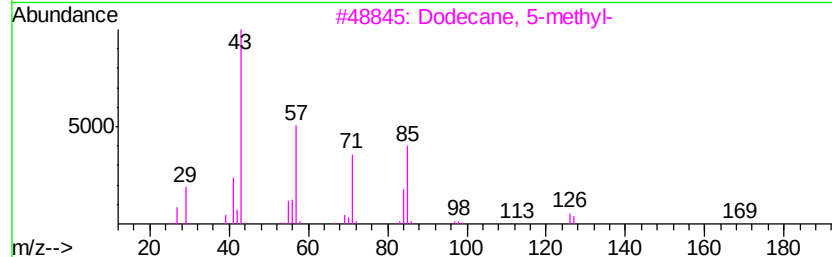
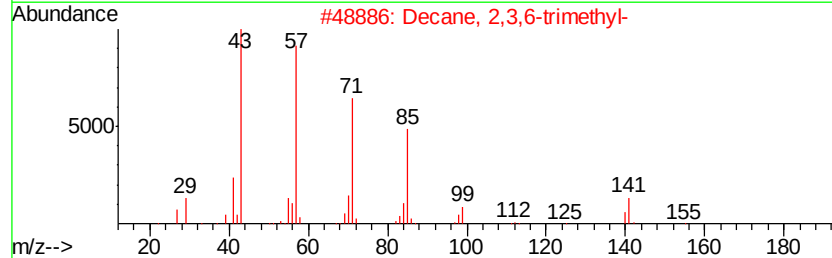
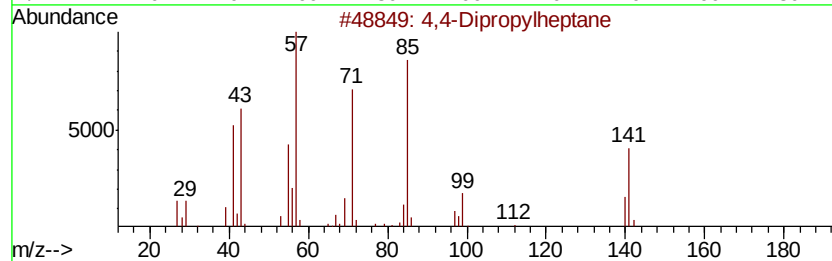
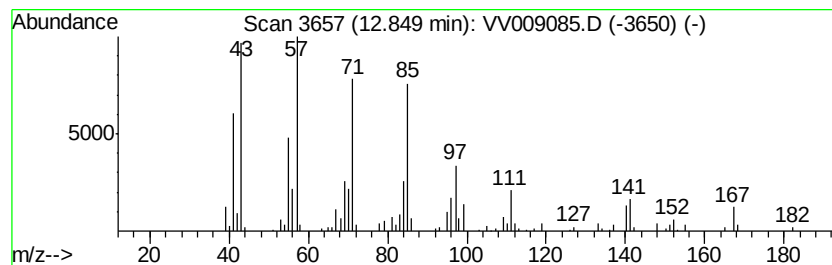
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Quant Title : VOC Analysis

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	10.30 ug/L	103757	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4-Dipropylheptane	184	C13H28	017312-72-0	59
2		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	59
3		Dodecane, 5-methyl-	184	C13H28	017453-93-9	50
4		Nonadecane	268	C19H40	000629-92-5	50
5		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
 Data File : VV009085.D
 Acq On : 20 Dec 2018 15:35
 Operator : SY/MD
 Sample : J6441-07
 Misc : 4.19 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 BE7Z6

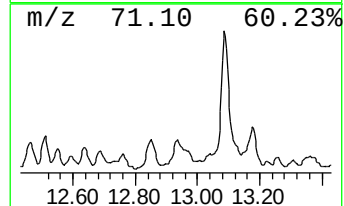
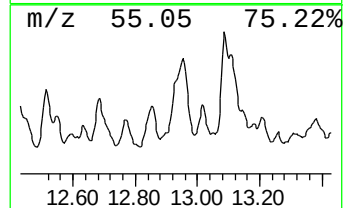
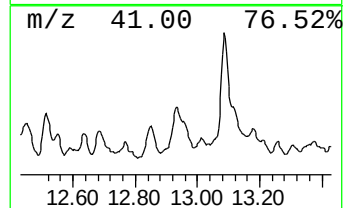
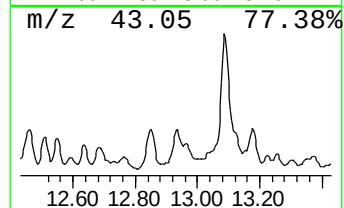
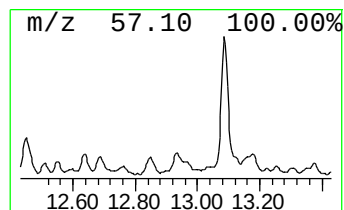
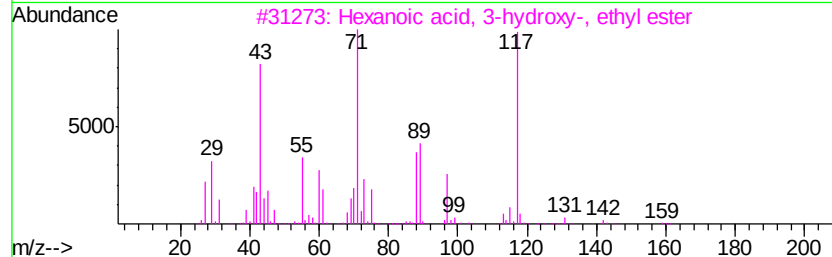
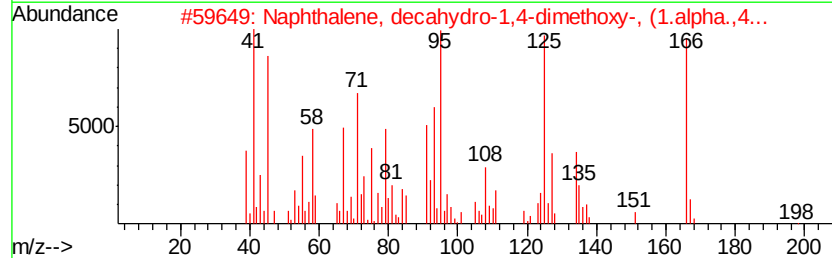
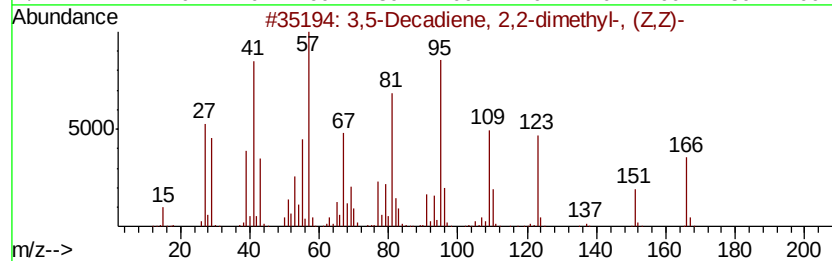
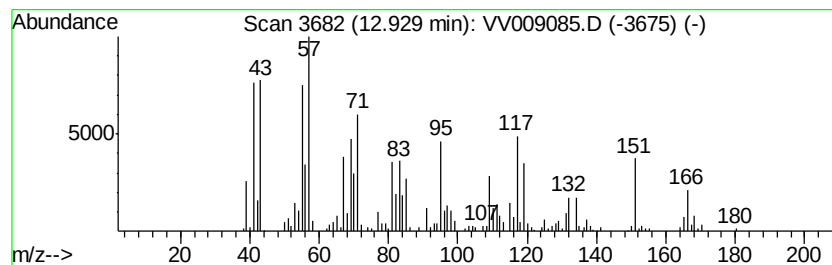
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 Quant Title : VOC Analysis

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

 Peak Number 46 unknown-04 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	31.69 ug/L	319105	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Decadiene, 2,2-dimethyl-, (Z...	166	C12H22	055638-50-1	35
2		Naphthalene, decahydro-1,4-dimet...	198	C12H22O2	041766-65-8	25
3		Hexanoic acid, 3-hydroxy-, ethyl...	160	C8H16O3	002305-25-1	22
4		Hexanoic acid, 3-hydroxy-, ethyl...	160	C8H16O3	002305-25-1	22
5		2-Piperidinone, N-[4-bromo-n-but...	233	C9H16BrNO	195194-80-0	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

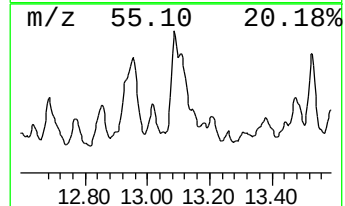
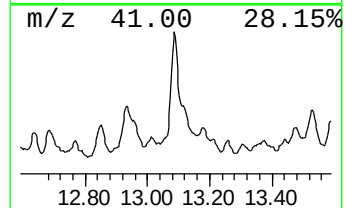
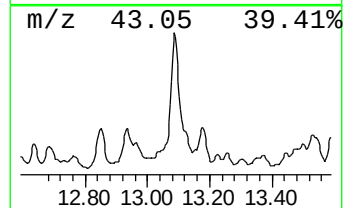
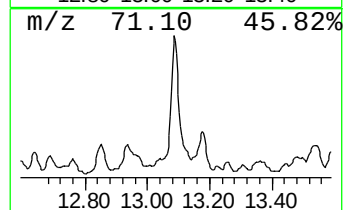
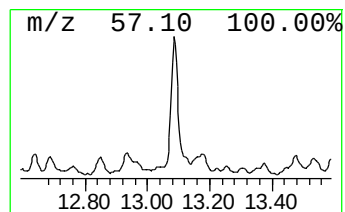
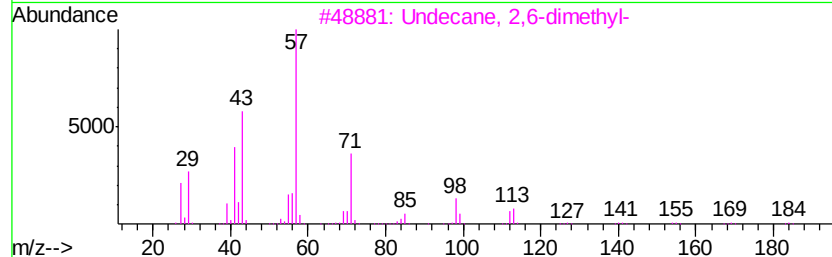
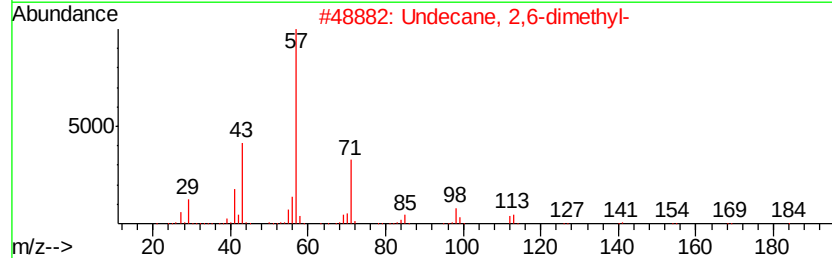
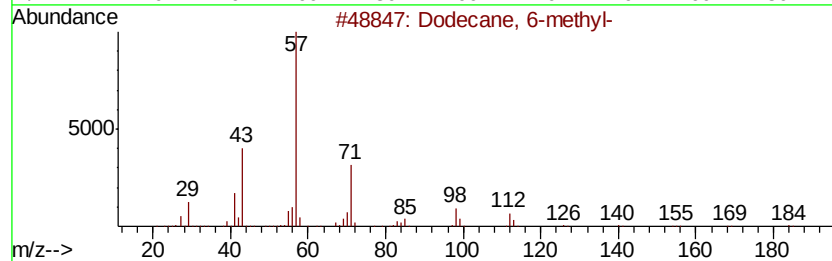
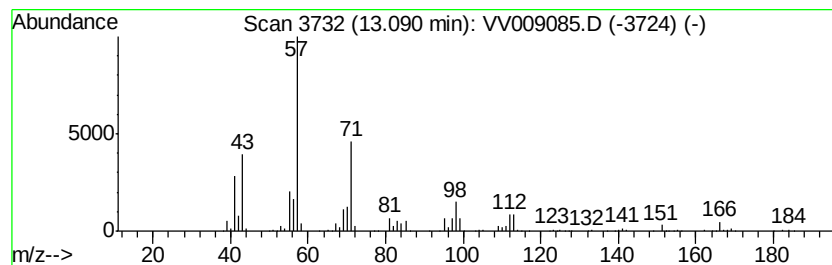
Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.09	59.35 ug/L	597683	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	81
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	68
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	59
5	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

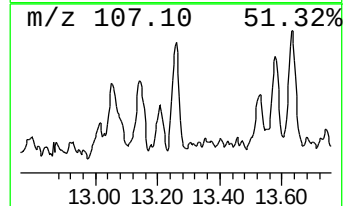
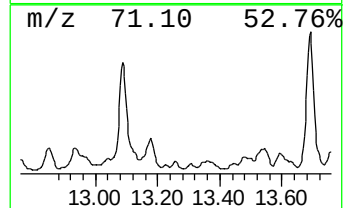
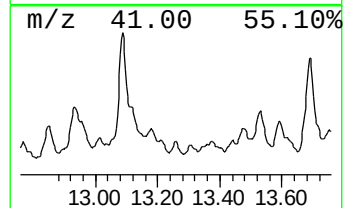
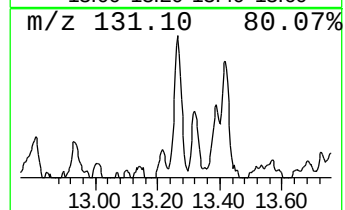
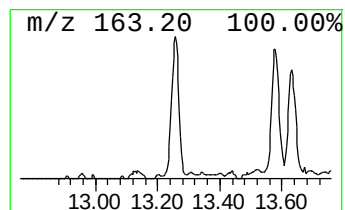
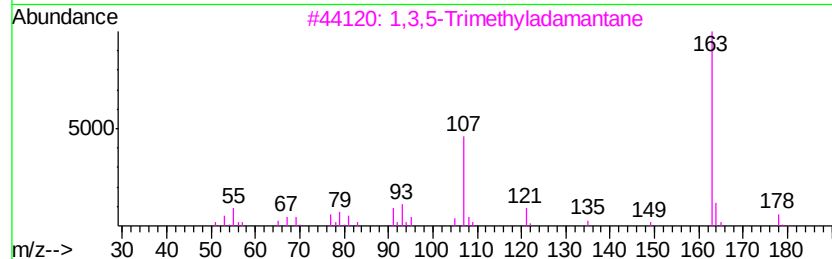
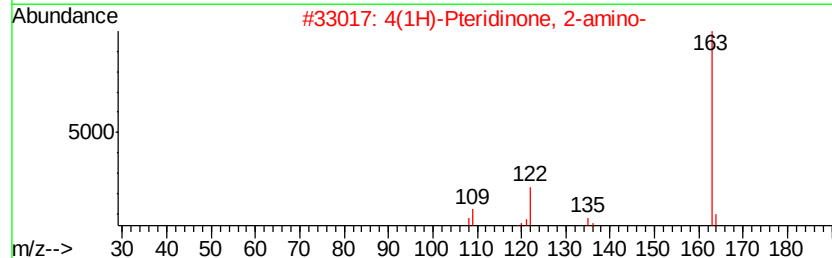
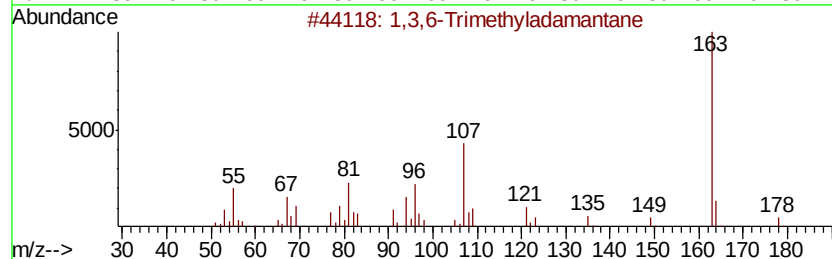
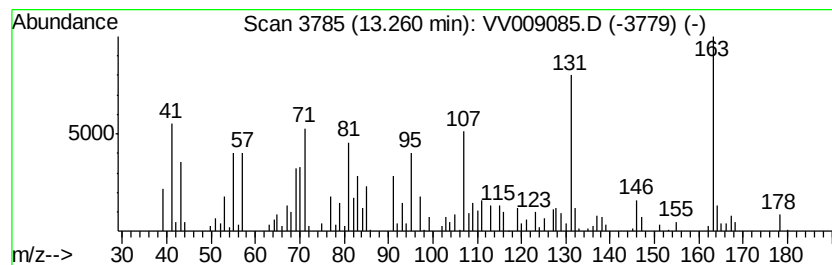
Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 48 1,3,6-Trimethyladamantane Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.26	5.14 ug/L	51784	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,6-Trimethyladamantane	178	C13H22	024139-37-5	50
2	4(1H)-Pteridinone, 2-amino-	163	C6H5N5O	002236-60-4	43
3	1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	43
4	1,3,4-Trimethyladamantane	178	C13H22	1000214-98-3	38
5	1,2-Dimethyl-5-nitroadamantane	209	C12H19NO2	006588-68-7	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

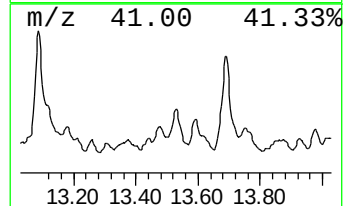
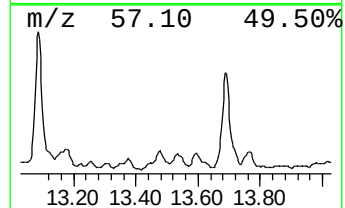
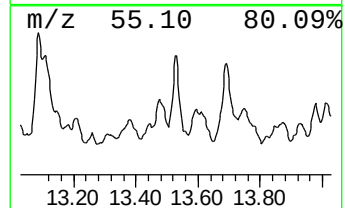
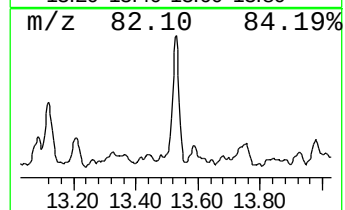
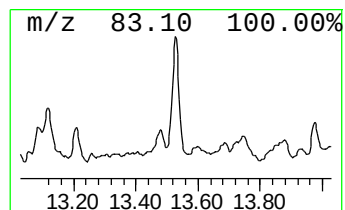
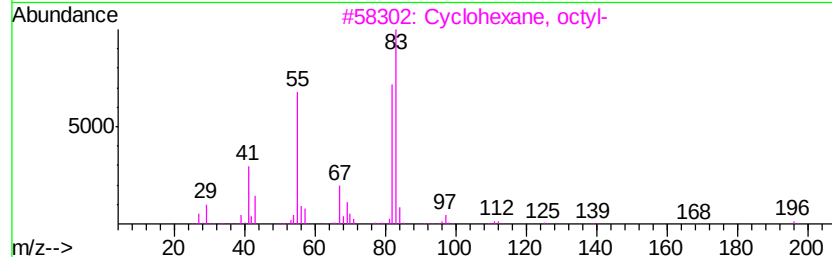
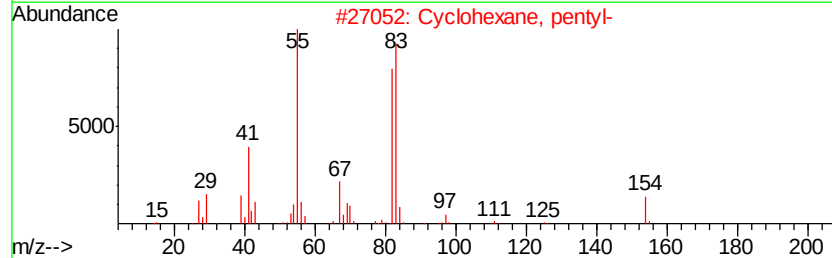
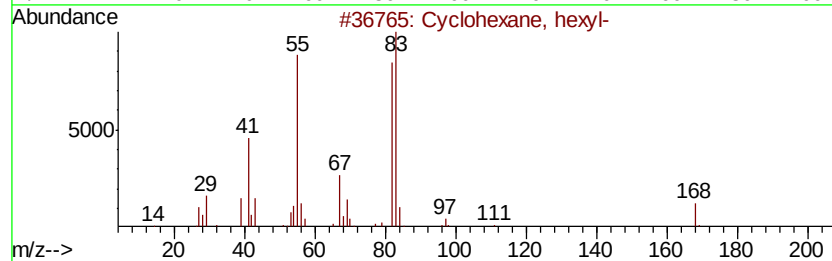
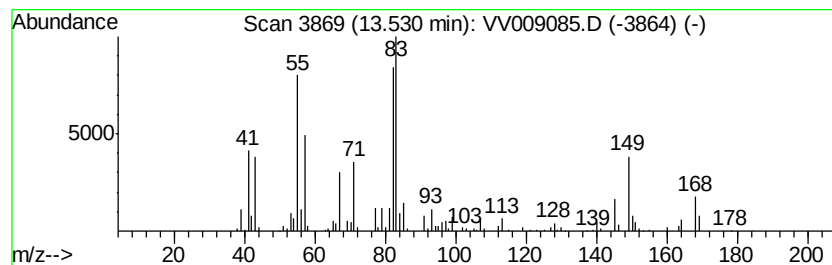
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Quant Title : VOC Analysis

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

Peak Number 49 (DEL) Alkane: Cyclic13.53 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	15.19 ug/L	152964	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, hexyl-	168	C12H24	004292-75-5	58
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
3			Cyclohexane, octyl-	196	C14H28	001795-15-9	53
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
5			Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSV0A_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

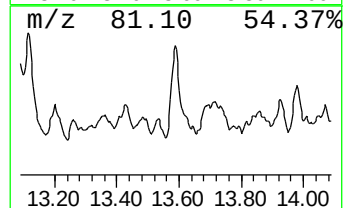
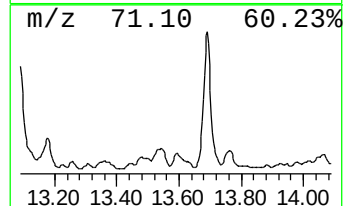
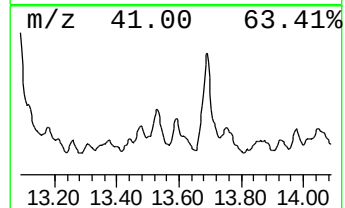
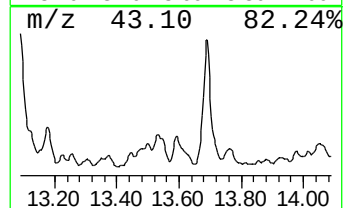
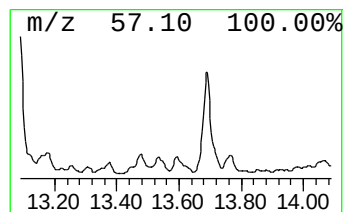
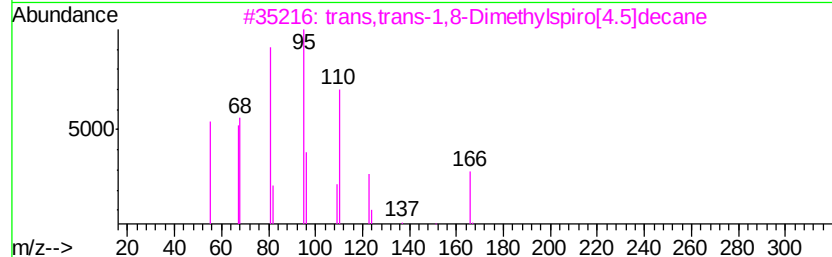
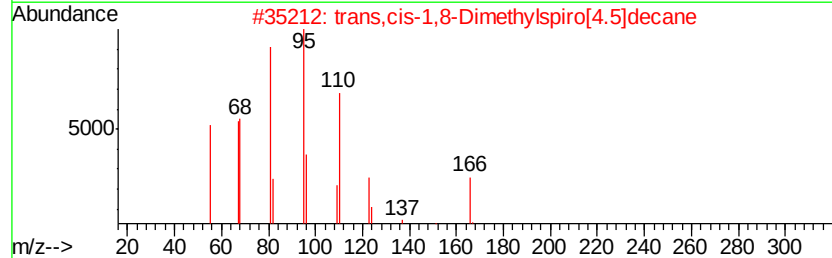
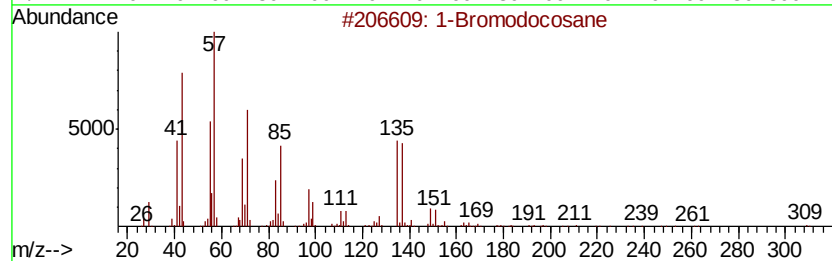
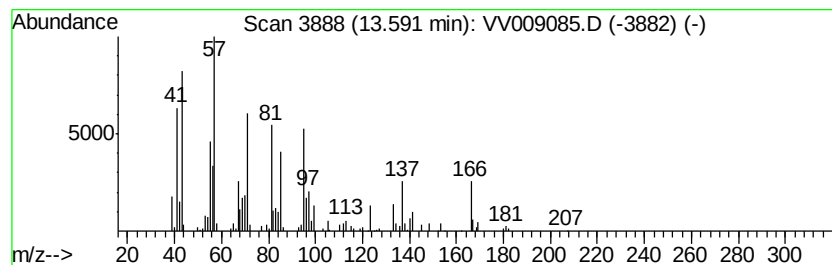
Instrument :
MSVOA_V
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 50 unknown-05 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	8.58 ug/L	86433	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Bromodocosane	388 C22H45Br	006938-66-5 43
2		trans,cis-1,8-Dimethylspiro[4.5]...	166 C12H22	1000111-72-9 38
3		trans,trans-1,8-Dimethylspiro[4....	166 C12H22	1000111-72-8 38
4		Dodecane, 2-methyl-6-propyl-	226 C16H34	055045-08-4 30
5		1-Iodo-2-methylundecane	296 C12H25I	073105-67-6 30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

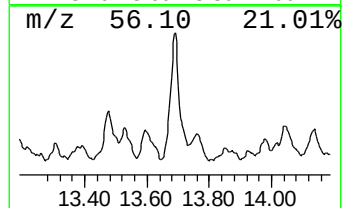
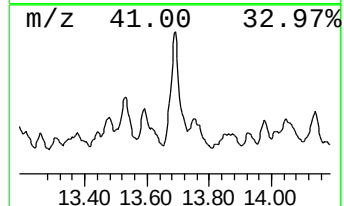
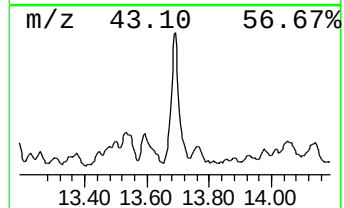
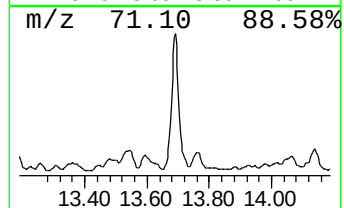
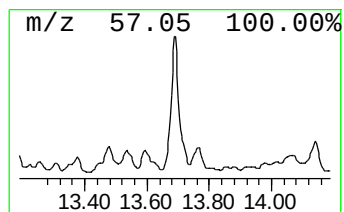
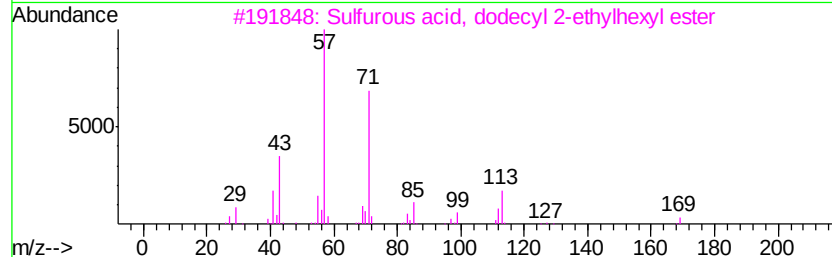
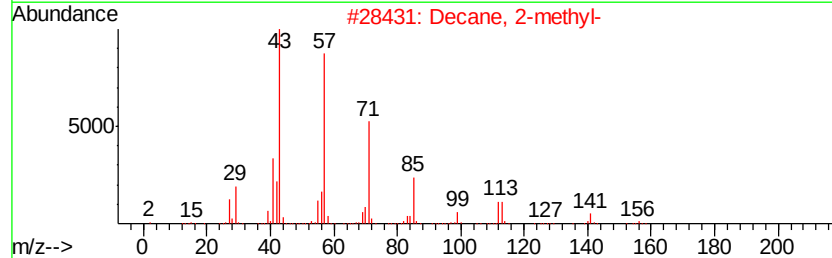
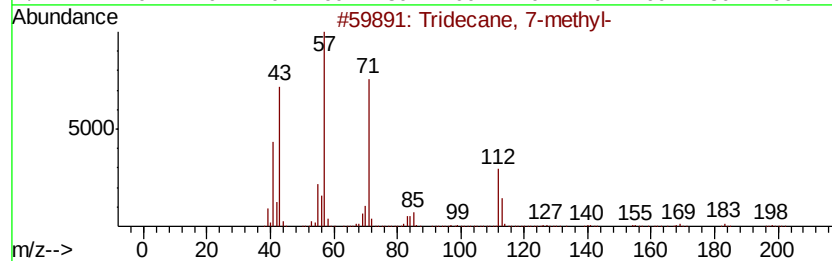
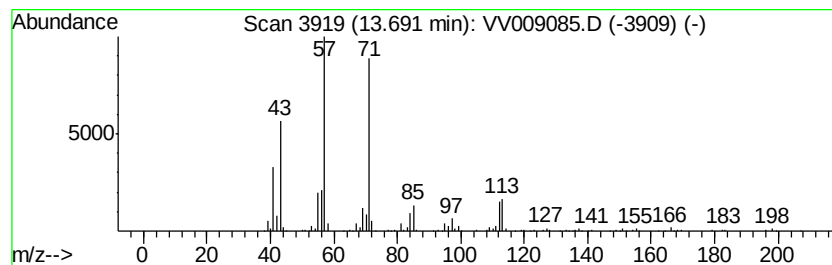
Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.69	42.83 ug/L	431313	1,4-Dichlorobenzene-d4	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	90
2	Decane, 2-methyl-	156	C11H24	006975-98-0	78
3	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
4	Decane, 4-methyl-	156	C11H24	002847-72-5	64
5	Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

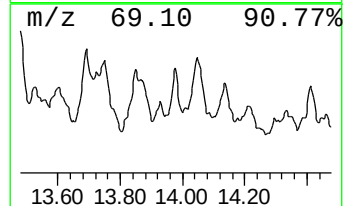
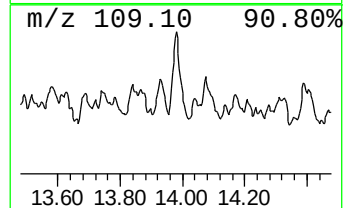
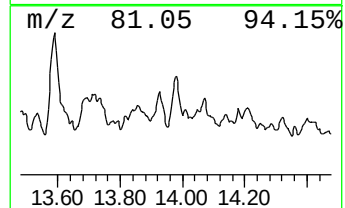
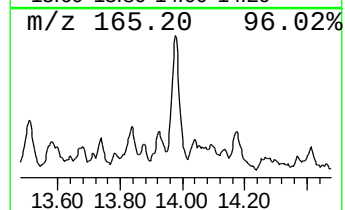
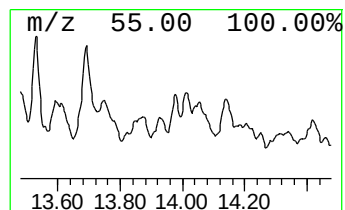
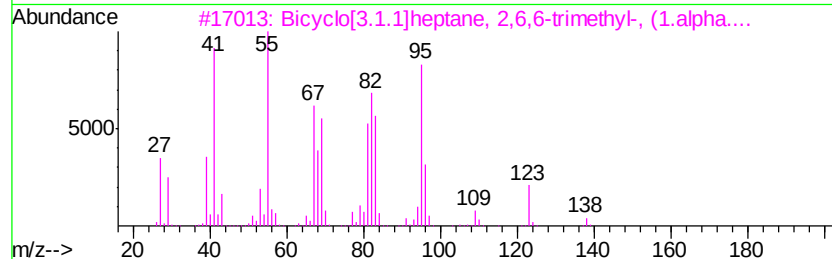
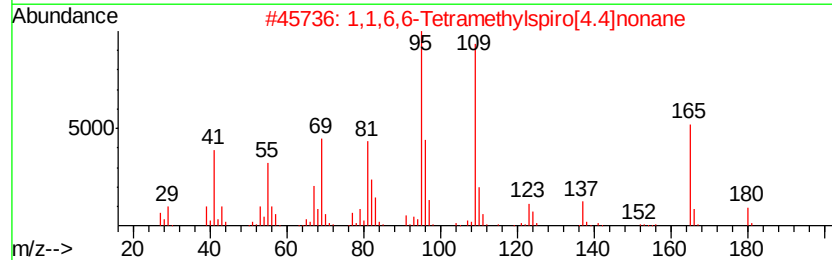
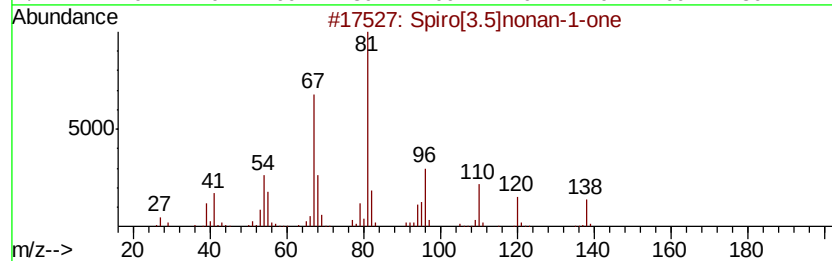
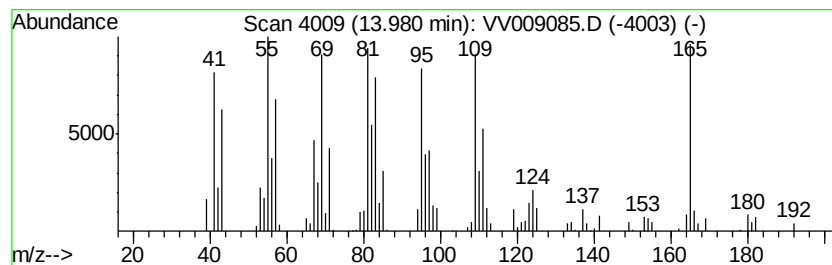
Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 52 unknown-06 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	5.31 ug/L	53460	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Spiro[3.5]nonan-1-one	138 C9H14O	029800-45-1 25
2		1,1,6,6-Tetramethylspiro[4.4]nonane	180 C13H24	074054-92-5 25
3		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138 C10H18	006876-13-7 25
4		1-Tridecyn-4-ol	196 C13H24O	074646-37-0 22
5		Cyclopentane, 1-pentyl-2-propyl-	182 C13H26	062199-51-3 20



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

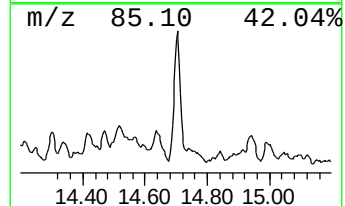
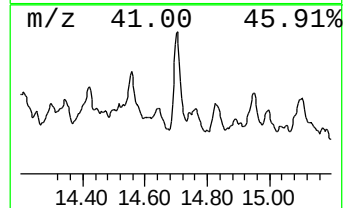
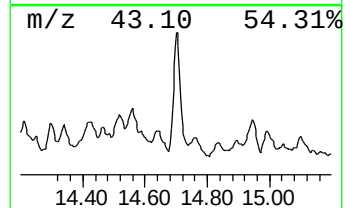
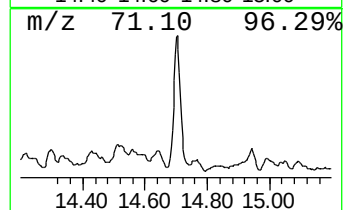
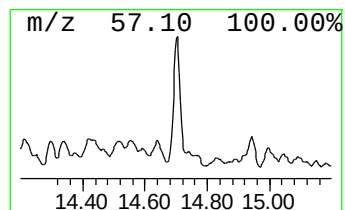
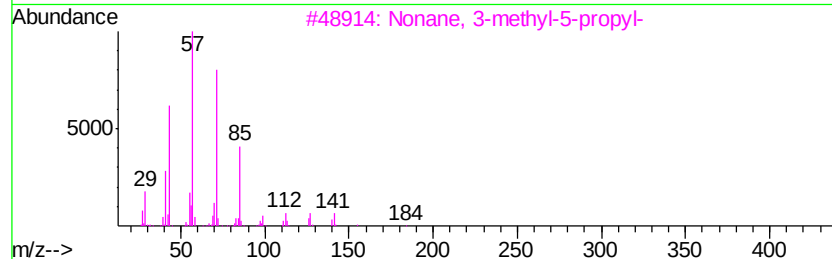
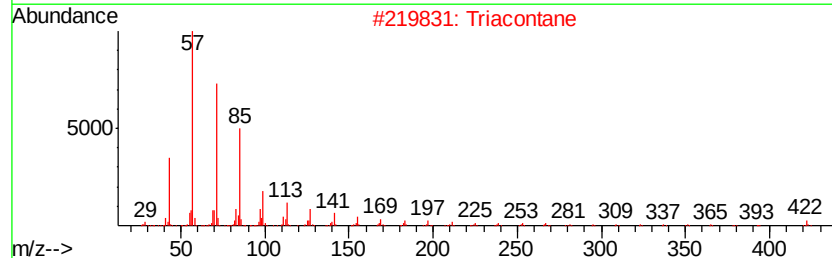
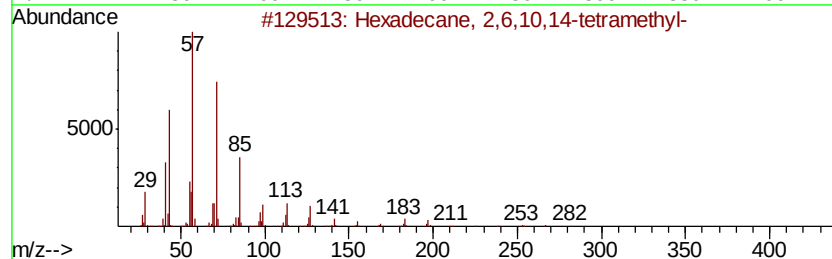
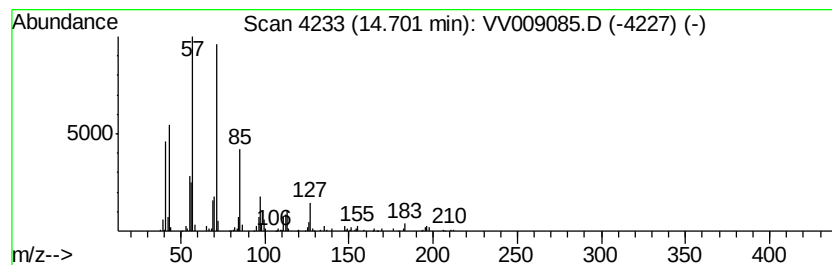
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Quant Title : VOC Analysis

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

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	10.85 ug/L	109286	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2		triacontane	422	C30H62	000638-68-6	64
3		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	64
4		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	52
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

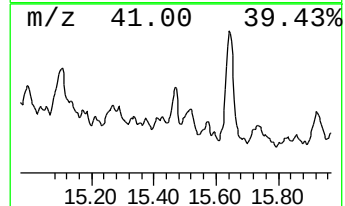
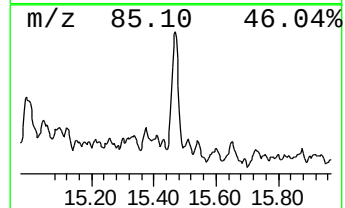
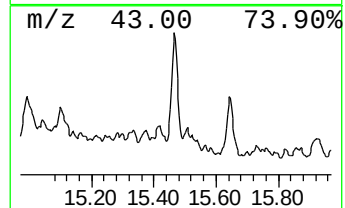
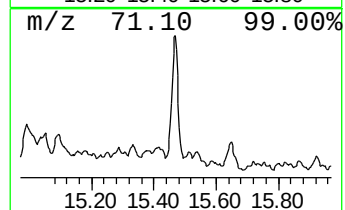
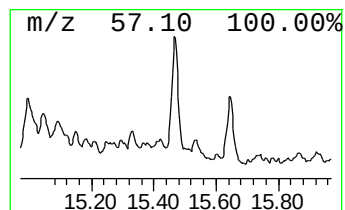
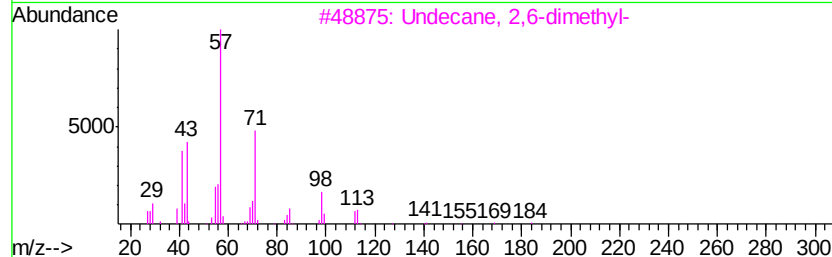
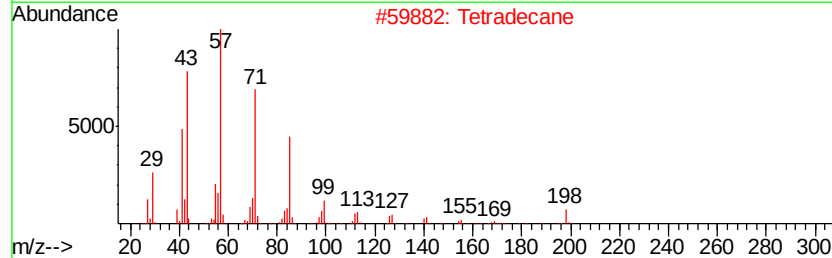
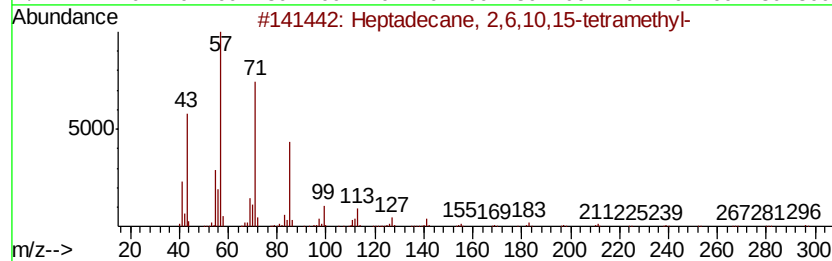
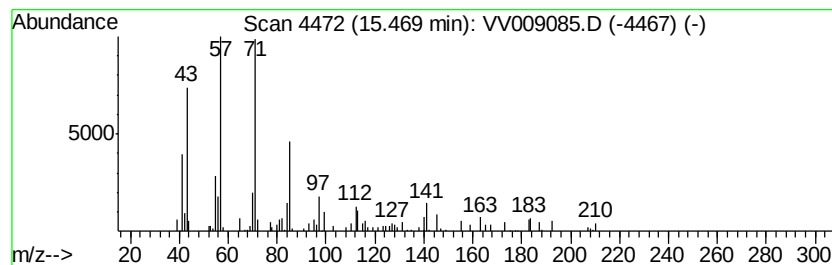
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Quant Title : VOC Analysis

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

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	3.64 ug/L	36626	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
2			Tetradecane	198	C14H30	000629-59-4	64
3			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	59
4			Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
5			Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6

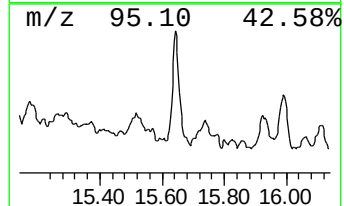
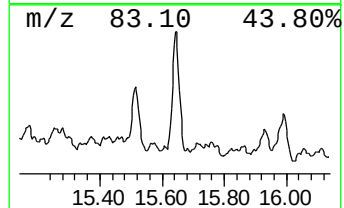
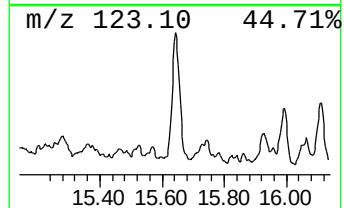
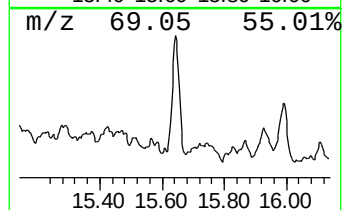
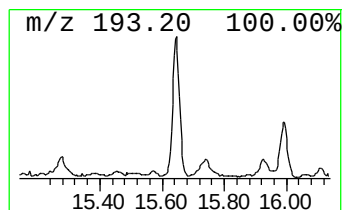
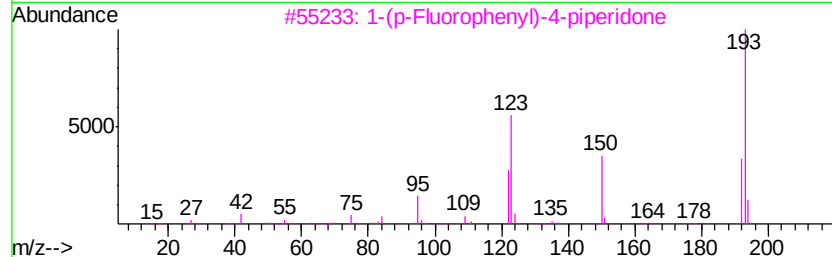
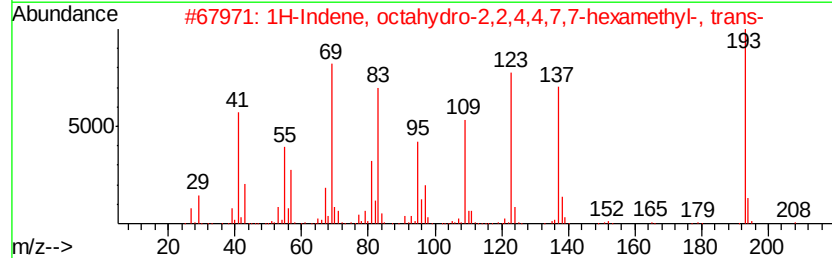
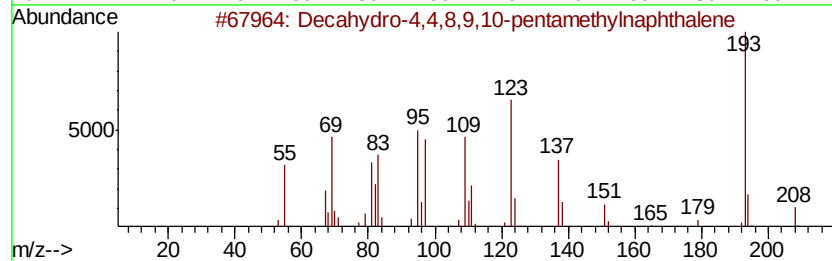
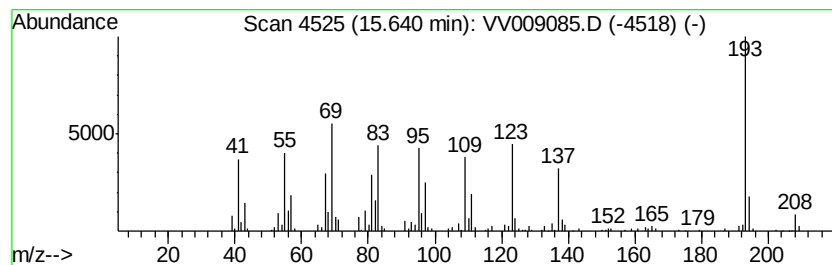
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Quant Title : VOC Analysis

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

Peak Number 55 Decahydro-4,4,8,9,10-pentam... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	19.03 ug/L	191657	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	53
2		1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	43
3		1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	38
4		2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	37
5		Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	27



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Data File : VV009085.D
Acq On : 20 Dec 2018 15:35
Operator : SY/MD
Sample : J6441-07
Misc : 4.19 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BE7Z6

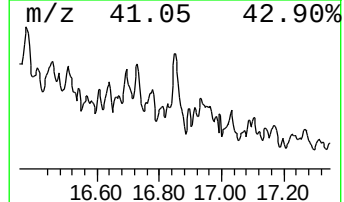
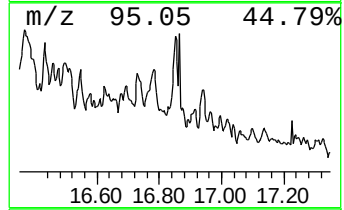
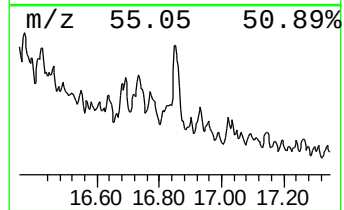
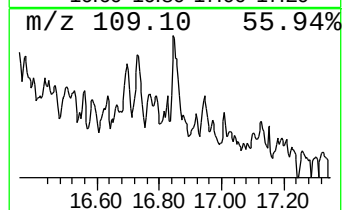
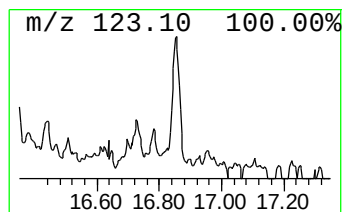
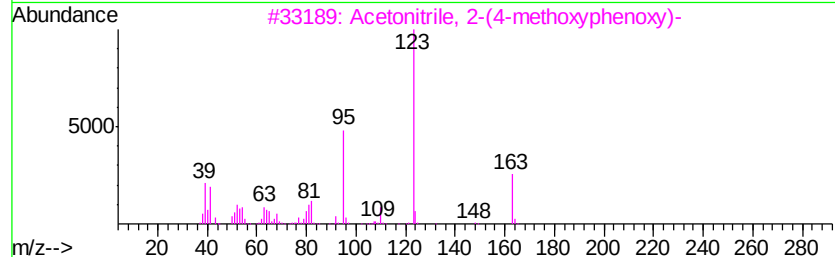
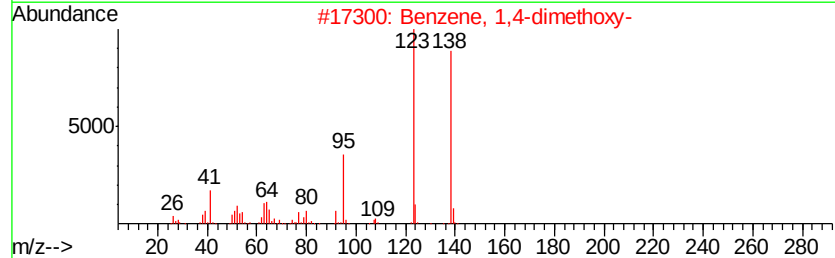
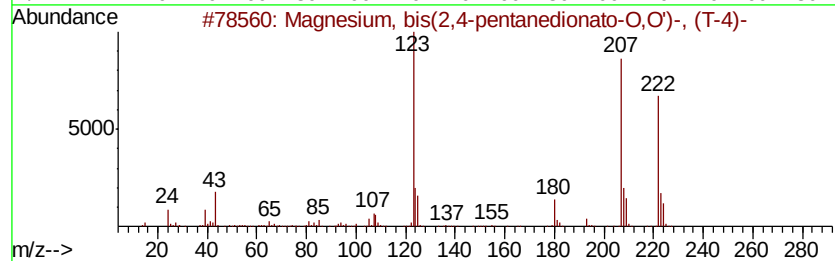
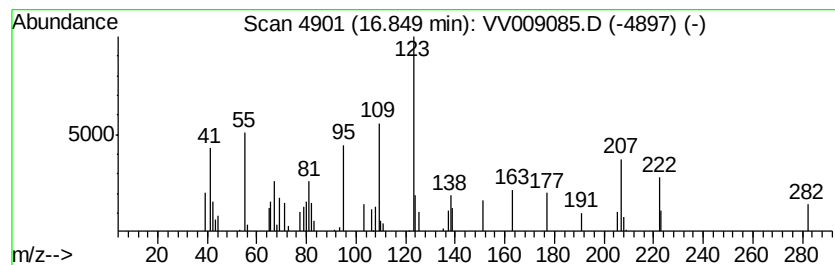
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

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

Peak Number 57 unknown-07 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	1.52 ug/L	15257	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Magnesium, bis(2,4-pentanedionat...	222	C10H14MgO4	014024-56-7	47
2			Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	43
3			Acetonitrile, 2-(4-methoxyphenoxy)-	163	C9H9NO2	022446-12-4	43
4			2,11-Dioxabicyclo[4.4.1]undeca-3...	222	C13H18O3	070412-52-1	43
5			Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
 Data File : VV009085.D
 Acq On : 20 Dec 2018 15:35
 Operator : SY/MD
 Sample : J6441-07
 Misc : 4.19 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BE7Z6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	1.11	4.0	ug/L	84894	1	5.66	527928	25.0
Ethyl ether	1.96	909.0	ug/L	19195600	1	5.66	527928	25.0
(DEL) Alkane: Cyc...	5.92	4.7	ug/L	98543	1	5.66	527928	25.0
(DEL) Alkane: Cyc...	6.23	1.4	ug/L	30491	1	5.66	527928	25.0
(DEL) Alkane: Cyc...	8.40	2.0	ug/L	35851	2	8.89	438725	25.0
(DEL) Alkane: Str...	8.71	1.5	ug/L	26239	2	8.89	438725	25.0
(DEL) Alkane: Str...	8.83	1.5	ug/L	26983	2	8.89	438725	25.0
unknown-01	9.24	2.5	ug/L	43120	2	8.89	438725	25.0
(DEL) Alkane: Cyc...	9.36	1.4	ug/L	24416	2	8.89	438725	25.0
(DEL) Alkane: Cyc...	9.52	5.5	ug/L	96127	2	8.89	438725	25.0
(DEL) Alkane: Str...	9.75	12.7	ug/L	222846	2	8.89	438725	25.0
(DEL) Alkane: Str...	9.81	1.7	ug/L	30339	2	8.89	438725	25.0
(DEL) Alkane: Cyc...	9.84	5.2	ug/L	90617	2	8.89	438725	25.0
(DEL) Alkane: Str...	9.89	9.6	ug/L	167789	2	8.89	438725	25.0
(DEL) Alkane: Str...	10.06	8.2	ug/L	144585	2	8.89	438725	25.0
(DEL) Alkane: Str...	10.13	14.1	ug/L	141836	3	11.30	251749	25.0
unknown-02	10.16	10.2	ug/L	102485	3	11.30	251749	25.0
Benzene, propyl-	10.40	4.3	ug/L	43827	3	11.30	251749	25.0
(DEL) Alkane: Cyc...	10.44	7.0	ug/L	70588	3	11.30	251749	25.0
(DEL) Alkane: Cyc...	10.50	10.6	ug/L	106600	3	11.30	251749	25.0
(DEL) Alkane: Cyc...	10.55	16.3	ug/L	164385	3	11.30	251749	25.0
Benzene, 1-ethyl-...	10.78	9.4	ug/L	95000	3	11.30	251749	25.0
(DEL) Alkane: Str...	10.81	8.7	ug/L	87511	3	11.30	251749	25.0
(DEL) Alkane: Str...	10.88	7.4	ug/L	74617	3	11.30	251749	25.0
(DEL) Alkane: Str...	10.92	45.1	ug/L	454237	3	11.30	251749	25.0
(DEL) Alkane: Str...	11.08	12.8	ug/L	128388	3	11.30	251749	25.0
7-Octenal, 3,7-di...	11.11	6.7	ug/L	67560	3	11.30	251749	25.0
(DEL) Alkane: Str...	11.14	13.1	ug/L	132204	3	11.30	251749	25.0
(DEL) Alkane: Cyc...	11.20	16.0	ug/L	160957	3	11.30	251749	25.0
(DEL) Alkane: Str...	11.38	10.3	ug/L	103685	3	11.30	251749	25.0
Oxalic acid, isob...	11.47	5.8	ug/L	58715	3	11.30	251749	25.0
(DEL) Alkane: Str...	11.51	10.5	ug/L	105546	3	11.30	251749	25.0
Benzene, 2-propenyl-	11.59	10.6	ug/L	106587	3	11.30	251749	25.0
(DEL) Alkane: Str...	11.83	8.7	ug/L	87119	3	11.30	251749	25.0
(DEL) Alkane: Cyc...	11.98	16.5	ug/L	166011	3	11.30	251749	25.0
(DEL) Alkane: Str...	12.04	21.5	ug/L	216326	3	11.30	251749	25.0
(DEL) Alkane: Str...	12.17	16.8	ug/L	168727	3	11.30	251749	25.0
unknown-03	12.24	6.4	ug/L	64586	3	11.30	251749	25.0
trans-Decalin, 2-...	12.31	25.0	ug/L	252122	3	11.30	251749	25.0
(DEL) Alkane: Cyc...	12.41	24.8	ug/L	249984	3	11.30	251749	25.0
1-Methyldecahydro...	12.52	28.9	ug/L	291101	3	11.30	251749	25.0
(DEL) Alkane: Str...	12.64	5.8	ug/L	58220	3	11.30	251749	25.0
(DEL) Alkane: Cyc...	12.68	10.4	ug/L	104401	3	11.30	251749	25.0
(DEL) Alkane: Str...	12.85	10.3	ug/L	103757	3	11.30	251749	25.0
unknown-04	12.93	31.7	ug/L	319105	3	11.30	251749	25.0
(DEL) Alkane: Str...	13.09	59.4	ug/L	597683	3	11.30	251749	25.0
1,3,6-Trimethylad...	13.26	5.1	ug/L	51784	3	11.30	251749	25.0
(DEL) Alkane: Cyc...	13.53	15.2	ug/L	152964	3	11.30	251749	25.0
unknown-05	13.59	8.6	ug/L	86433	3	11.30	251749	25.0

(DEL) Alkane: Str...	13.69	42.8 ug/L	431313	3	11.30	251749	25.0
unknown-06	13.98	5.3 ug/L	53460	3	11.30	251749	25.0
(DEL) Alkane: Str...	14.70	10.9 ug/L	109286	3	11.30	251749	25.0
(DEL) Alkane: Str...	15.47	3.6 ug/L	36626	3	11.30	251749	25.0
Decahydro-4,4,8,9...	15.64	19.0 ug/L	191657	3	11.30	251749	25.0
unknown-07	16.85	1.5 ug/L	15257	3	11.30	251749	25.0

Instrument :
MSVOA_V
ClientSampleId :
BE7Z6