LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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	1.222	37	41	51	rVB	12466	11575	2.46%	0.160%
2	1.315	61	70	78	rVB	67183	71836	15.28%	0.990%
3	1.576	145	151	160	rVB	42254	46783	9.95%	0.645%
4	1.643	163	172	185	rVB	218998	275068	58.50%	3.792%
5	1.817	218	226	235	rVB	45741	59061	12.56%	0.814%
6	1.920	251	258	261	rBV7	1683	2352	0.50%	0.032%
7	2.042	288	296	310	rVB4	8743	14239	3.03%	0.196%
8	2.129	310	323	338	rBV2	75599	147254	31.32%	2.030%
9	2.193	339	343	364	rVB	8296	14435	3.07%	0.199%
10	2.319	371	382	390	rBV	1851	3126	0.66%	0.043%
11	2.524	432	446	466	rBV2	65829	179682	38.21%	2.477%
12	2.791	514	529	547	rVV	95058	190745	40.56%	2.630%
13	2.984	579	589	602	rBV4	1168	2438	0.52%	0.034%
14	3.074	604	617	629	rVV3	8083	15956	3.39%	0.220%
15	3.203	653	657	661	rBV	218	242	0.05%	0.003%
16	3.309	681	690	699	rVV2	1697	2930	0.62%	0.040%
17	3.399	710	718	721	rBV3	1042	1446	0.31%	0.020%
18	3.579	760	774	793	rBV4	11035	30719	6.53%	0.423%
19	3.711	797	815	831	rBV3	42875	111216	23.65%	1.533%
20	3.804	831	844	864	rVB4	20805	53324	11.34%	0.735%
21	3.942	864	887	915	rBV3	28241	110909	23.59%	1.529%
22	4.200	963	967	968	rBV	394	231	0.05%	0.003%
23	4.232	973	977	981	rBV4	347	340	0.07%	0.005%
24	4.399	1011	1029	1043	rBV	81085	207938	44.22%	2.867%
25	4.647	1097	1106	1111	rVB3	660	988	0.21%	0.014%
26	4.724	1116	1130	1141	rBV7	9820	24071	5.12%	0.332%
27	4.811	1141	1157	1179	rVB	95947	238168	50.65%	3.283%
28	4.962	1186	1204	1208	rBV4	12274	27516	5.85%	0.379%
29	5.093	1227	1245	1273	rBV2	180126	470227	100.00%	6.483%
30	5.225	1273	1286	1292	rBV3	44758	96640	20.55%	1.332%
31	5.370	1321	1331	1346	rVB3	25343	57586	12.25%	0.794%
32	5.534	1370	1382	1395	rBV6	3798	7640	1.62%	0.105%
33	5.663	1409	1422	1455	rBV	132608	282011	59.97%	3.888%
34	5.820	1460	1471	1480	rBV6	2234	4708	1.00%	0.065%

LSC Area Percent Report

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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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

35	5.894	1486	1494	1500	rBV6	1224	1725	0.37%	0.024%
36	5.949	1500	1511	1528	rBV10	8068	25186	5.36%	0.347%
37	6.032	1529	1537	1549	rVB2	10404	19999	4.25%	0.276%
38	6.119	1550	1564	1591	rBV5	116292	358146	76.16%	4.937%
39	6.241	1592	1602	1611	rBV2	56558	104122	22.14%	1.435%
40	6.299	1612	1620	1632	rVB2	74538	136533	29.04%	1.882%
41	6.409	1647	1654	1668	rVB3	11108	20267	4.31%	0.279%
42	6.505	1668	1684	1697	rVB5	51160	115949	24.66%	1.598%
43	6.617	1711	1719	1724	rBV5	1525	2305	0.49%	0.032%
44	6.698	1726	1744	1763	rVB3	93346	230734	49.07%	3.181%
45	6.823	1763	1783	1793	rBV	92771	200861	42.72%	2.769%
46	6.881	1793	1801	1810	rVB3	49093	80849	17.19%	1.115%
47	7.029	1841	1847	1856	rVB	43014	64462	13.71%	0.889%
48	7.158	1879	1887	1897	rVB2	37805	62075	13.20%	0.856%
49	7.309	1919	1934	1941	rBV3	106523	210619	44.79%	2.904%
50	7.360	1942	1950	1965	rVB	194466	346292	73.64%	4.774%
51	7.482	1979	1988	1995	rBV3	33598	59722	12.70%	0.823%
52	7.830	2078	2096	2106	rBV3	48727	100257	21.32%	1.382%
53	7.888	2106	2114	2120	rBV	23807	39420	8.38%	0.543%
54	8.019	2146	2155	2165	rVB3	26334	43751	9.30%	0.603%
55	8.132	2178	2190	2212	rBV7	81472	194229	41.31%	2.678%
56	8.248	2218	2226	2232	rBV2	52060	91575	19.47%	1.262%
57	8.399	2265	2273	2280	rBV2	31392	54574	11.61%	0.752%
58	8.553	2312	2321	2330	rBV7	20909	37589	7.99%	0.518%
59	8.611	2333	2339	2343	rBV2	20547	28227	6.00%	0.389%
60	8.826	2395	2406	2418	rBV3	30886	62549	13.30%	0.862%
61	8.897	2418	2428	2439	rBV	193284	320696	68.20%	4.421%
62	9.244	2530	2536	2542	rBV6	13854	25427	5.41%	0.351%
63	9.367	2564	2574	2585	rBV8	12530	23124	4.92%	0.319%
64	9.518	2612	2621	2629	rBV4	42936	69053	14.69%	0.952%
65	9.723	2677	2685	2687	rBV4	20495	26852	5.71%	0.370%
66	10.174	2818	2825	2835	rVB4	21251	33685	7.16%	0.464%
67	10.264	2844	2853	2869	rVB2	114708	215770	45.89%	2.975%
68	11.196	3137	3143	3151	rVB4	11563	16246	3.45%	0.224%
69	11.299	3165	3175	3193	rVB	135565	232721	49.49%	3.208%
70	11.595	3253	3267	3278	rBV5	25726	50023	10.64%	0.690%
71	11.675	3279	3292	3308	rVB	155595	288856	61.43%	3.982%

LSC Area Percent Report

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Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 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

72	11.868	3346	3352	3371	rVB6	13083	27115	5.77%	0.374%
73	12.167	3437	3445	3454	rBV4	23546	47622	10.13%	0.657%
74	12.289	3475	3483	3497	rBV4	18967	43881	9.33%	0.605%
75	12.434	3514	3528	3532	rBV6	21151	43204	9.19%	0.596%
76	12.524	3548	3556	3566	rVB9	10037	17081	3.63%	0.235%
77	12.598	3570	3579	3589	rVB	31155	46813	9.96%	0.645%
78	12.932	3678	3683	3691	rVB3	19382	25942	5.52%	0.358%
79	13.048	3712	3719	3727	rBV2	19152	29761	6.33%	0.410%
80	13.215	3762	3771	3778	rBV5	13927	22356	4.75%	0.308%
81	13.267	3779	3787	3795	rVB3	19651	31058	6.60%	0.428%
82	13.318	3795	3803	3811	rBV3	28315	41071	8.73%	0.566%
83	13.762	3933	3941	3954	rBV10	15263	36076	7.67%	0.497%
84	13.961	3996	4003	4014	rVB4	13005	21440	4.56%	0.296%
85	14.148	4050	4061	4071	rBV7	14462	31505	6.70%	0.434%
86	14.286	4098	4104	4113	rBV5	8423	12123	2.58%	0.167%
87	14.415	4136	4144	4151	rBV10	4610	7479	1.59%	0.103%
88	14.492	4162	4168	4169	rBV6	2541	2524	0.54%	0.035%
89	14.611	4200	4205	4206	rBV5	1463	1288	0.27%	0.018%
90	14.788	4258	4260	4262	rBV	364	210	0.04%	0.003%
91	14.826	4262	4272	4275	rBV9	2532	3287	0.70%	0.045%
92	14.916	4299	4300	4301	rBV9	585	219	0.05%	0.003%
93	14.977	4316	4319	4320	rBV	738	342	0.07%	0.005%
94	14.993	4320	4324	4330	rVB6	1376	1386	0.29%	0.019%
95	15.022	4332	4333	4336	rBV2	349	250	0.05%	0.003%
96	15.119	4361	4363	4365	rBV2	709	285	0.06%	0.004%
97	15.225	4394	4396	4399	rBV2	674	497	0.11%	0.007%
98	15.759	4558	4562	4564	rBV2	348	301	0.06%	0.004%
99	15.826	4581	4583	4588	rBV3	641	448	0.10%	0.006%
100	16.353	4745	4747	4749	rVB2	753	212	0.05%	0.003%

Sum of corrected areas: 7253646

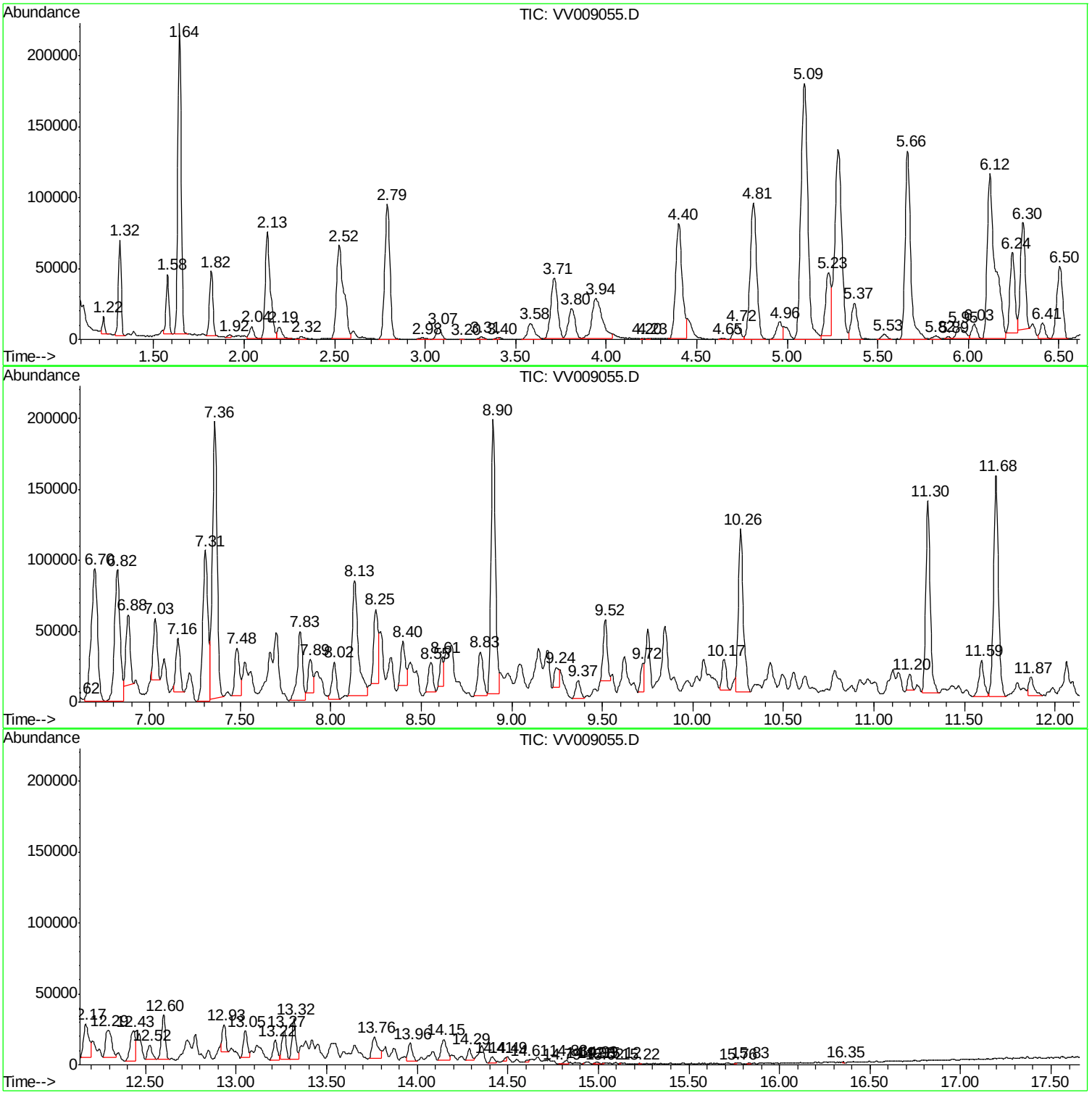
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0JG1

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

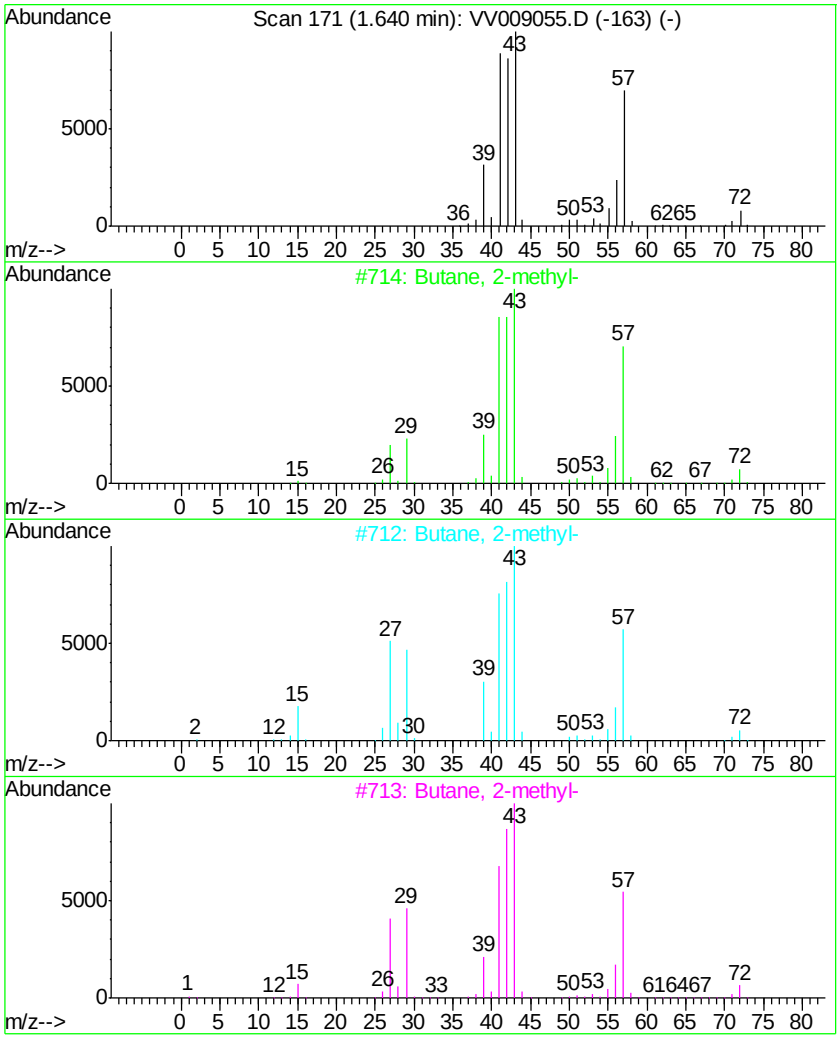
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

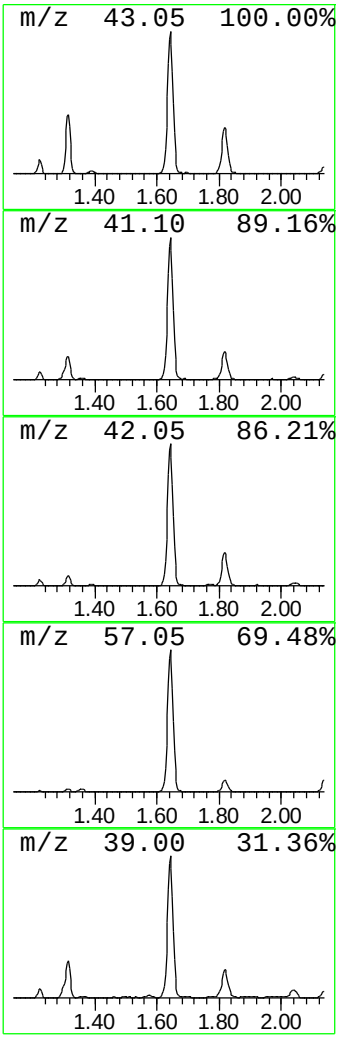
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.64	24.38 ug/L	275068	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

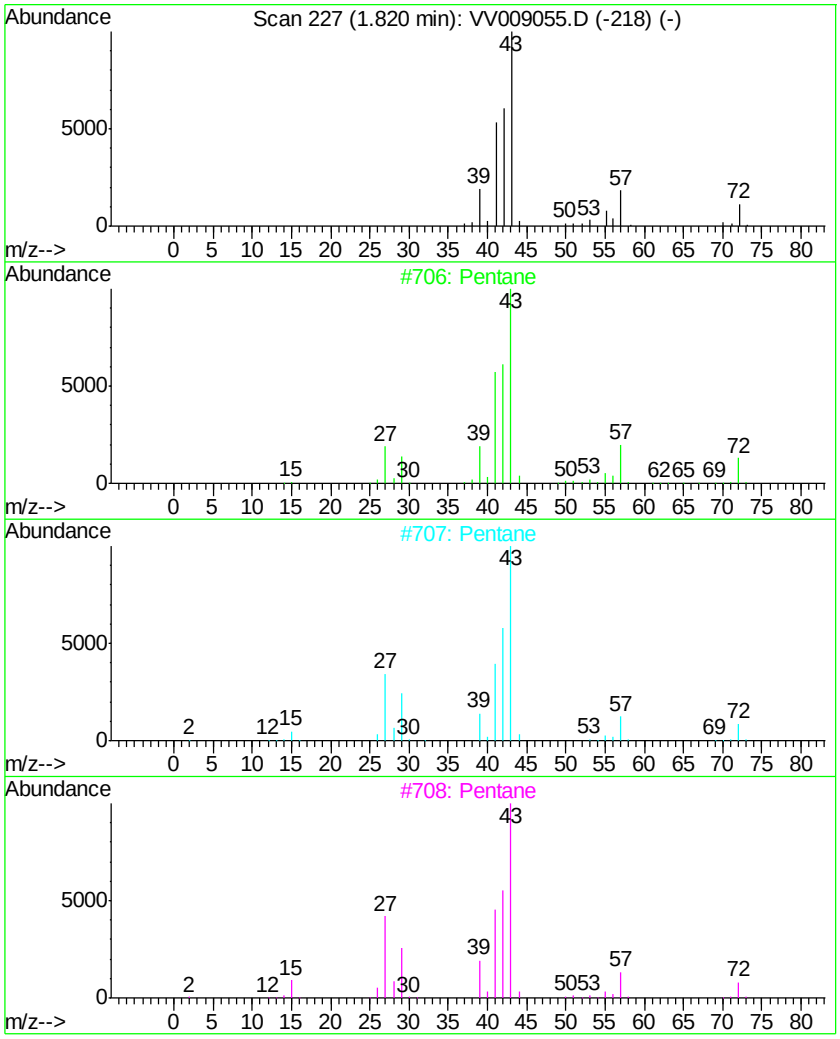
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

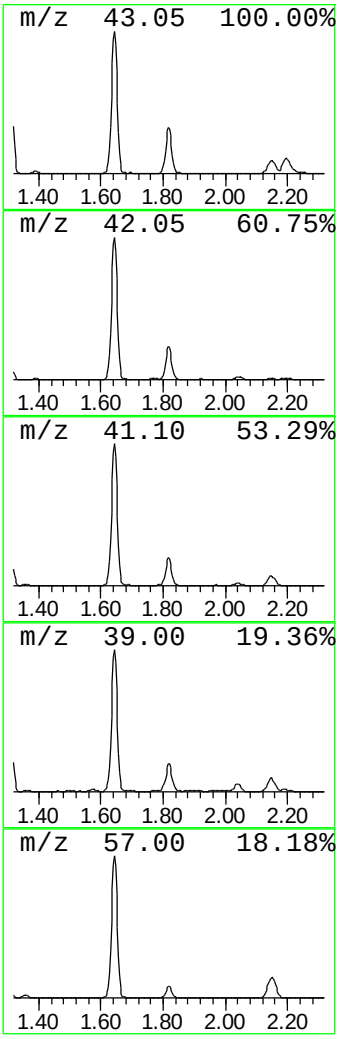
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	5.24 ug/L	59061	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	90
4	Pentane	72	C5H12	000109-66-0	86
5	Butane, 2-methyl-	72	C5H12	000078-78-4	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
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Operator : SY/MD
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Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

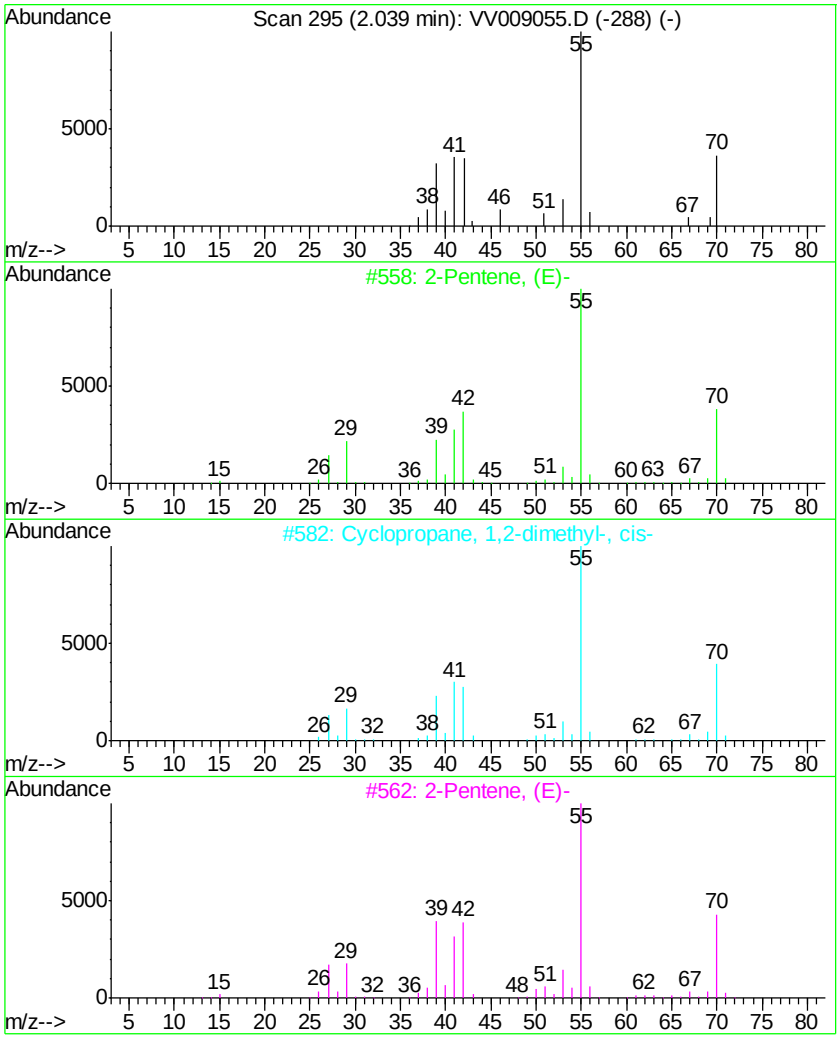
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

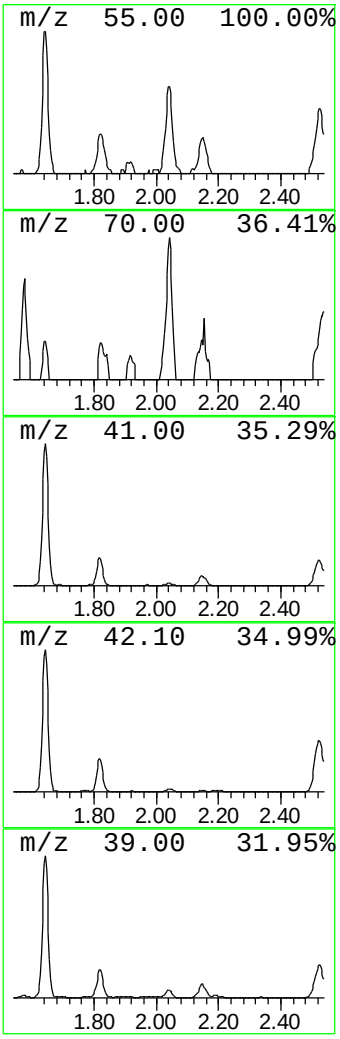
****

Peak Number 3 (DEL) Alkane: Cyclic2.04 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	1.26 ug/L	14239	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	80
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	80
3	2-Pentene, (E)-	70	C5H10	000646-04-8	72
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	72
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

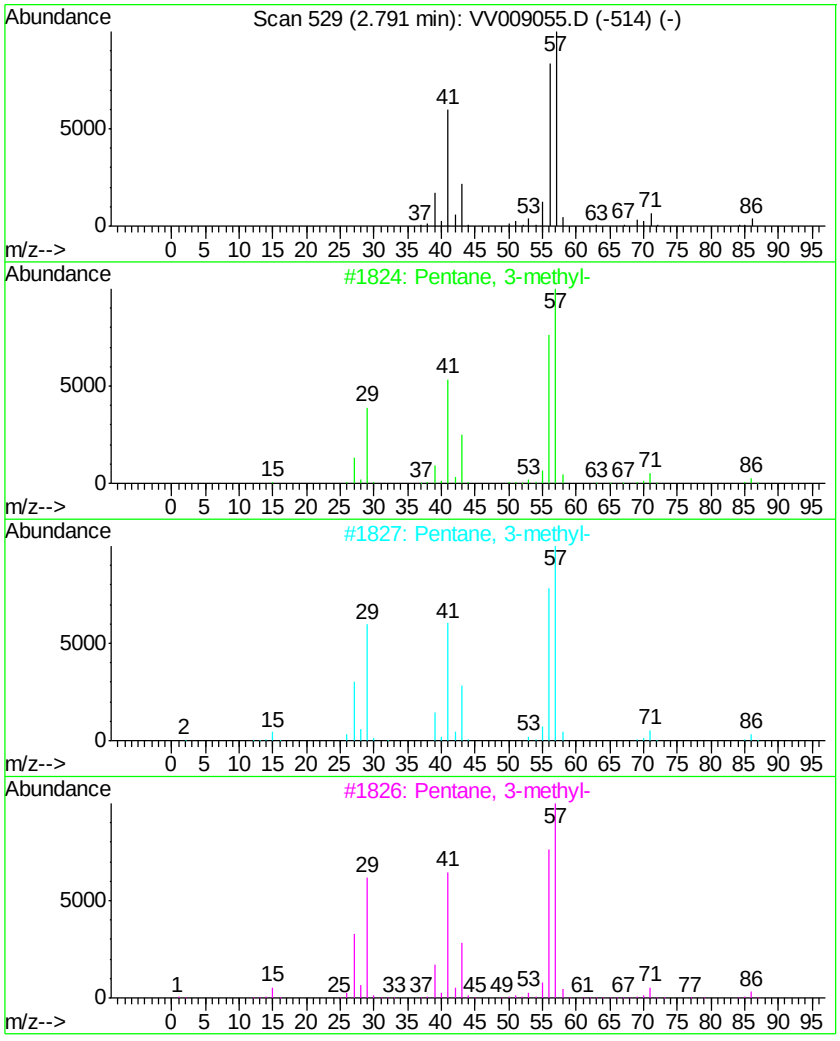
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

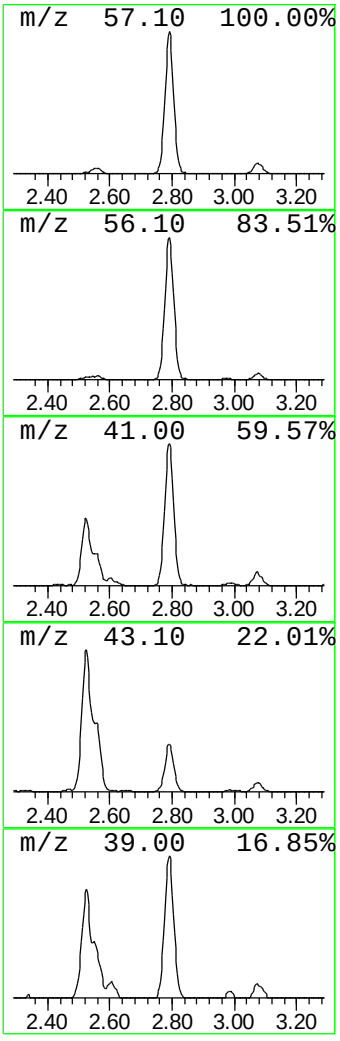
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	16.91 ug/L	190745	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

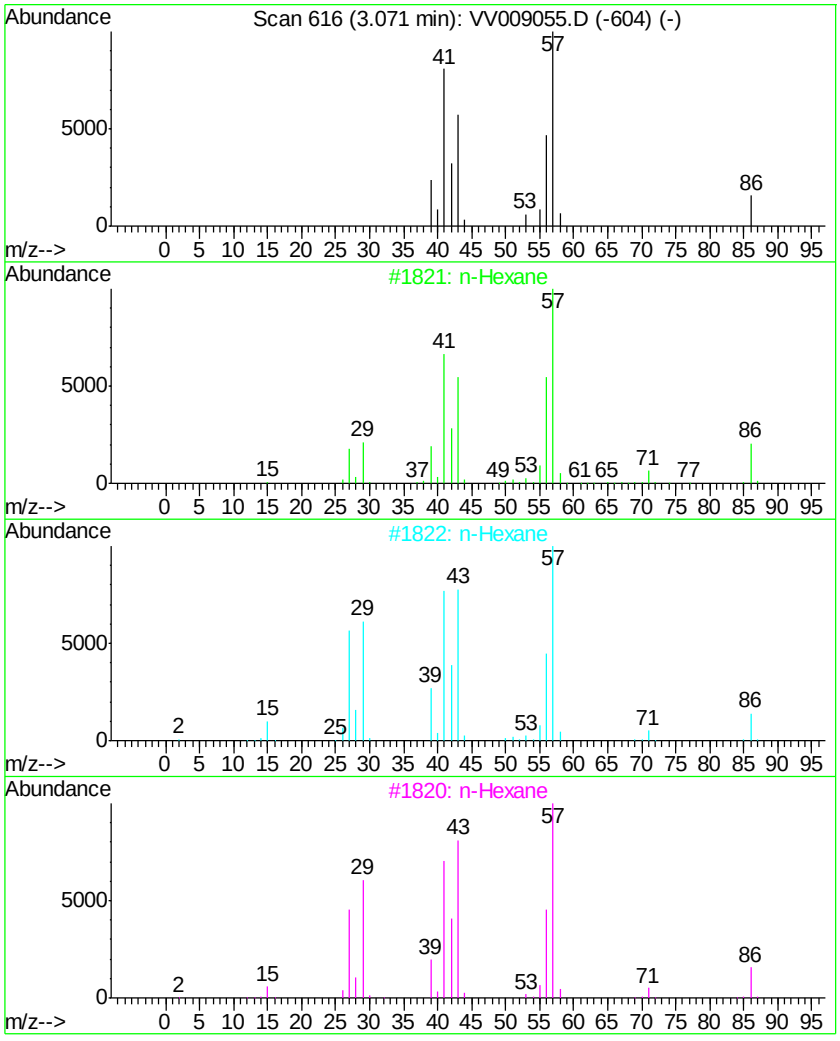
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

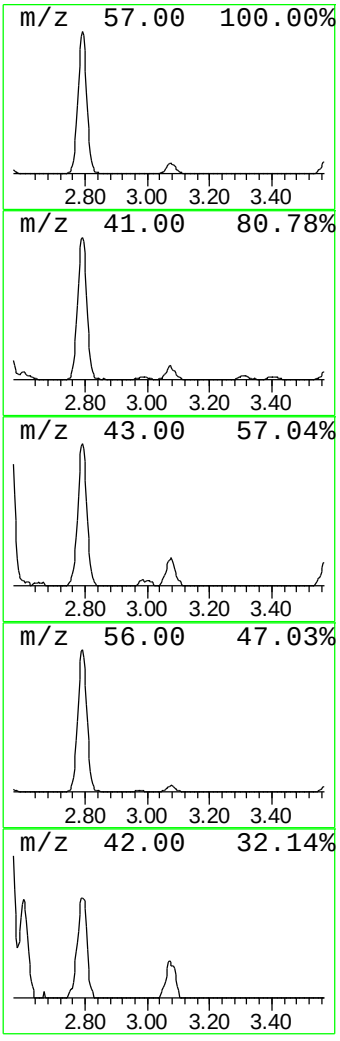
****

Peak Number 5 (DEL) Alkane: Cyclic3.07 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	1.41 ug/L	15956	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	86
2	n-Hexane	86	C6H14	000110-54-3	72
3	n-Hexane	86	C6H14	000110-54-3	45
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	33
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	28





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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

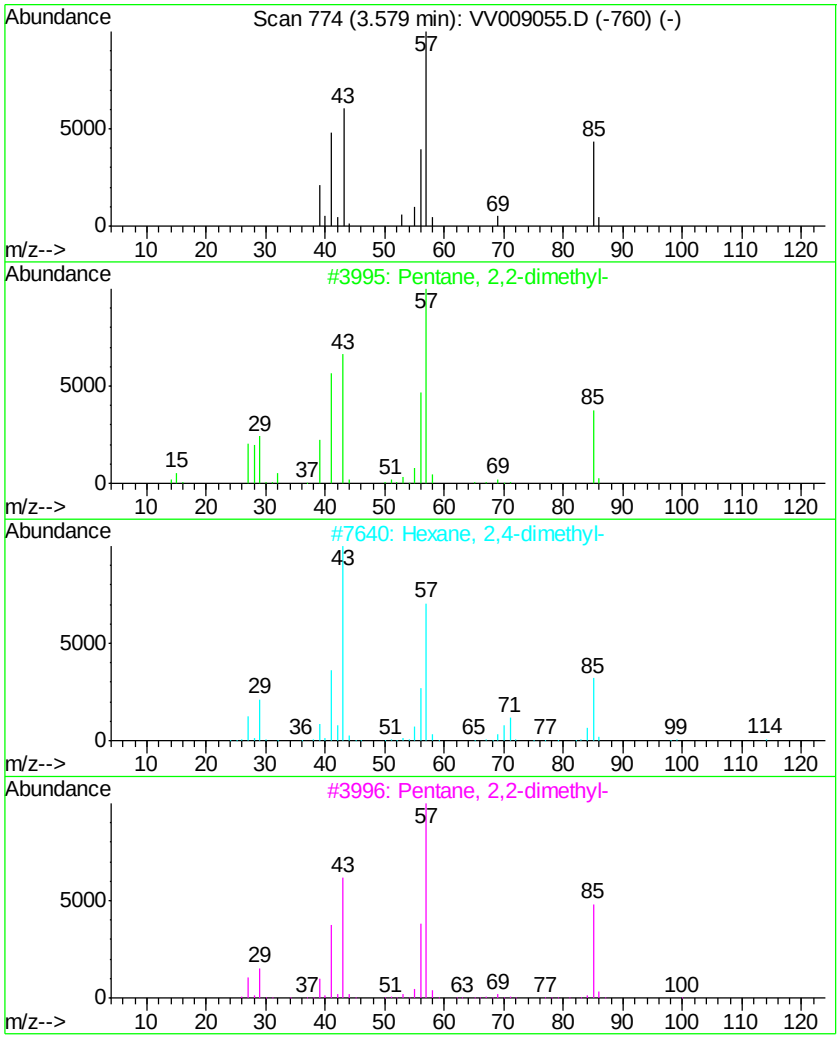
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

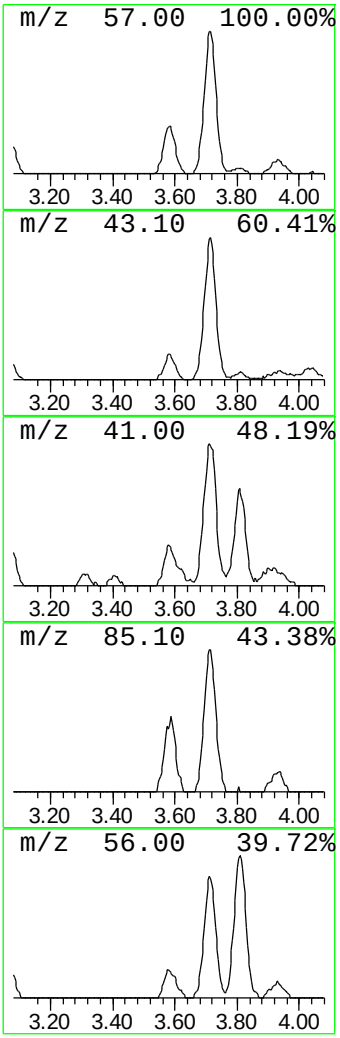
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.58	2.72 ug/L	30719	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	74





Library Search Compound Report

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Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

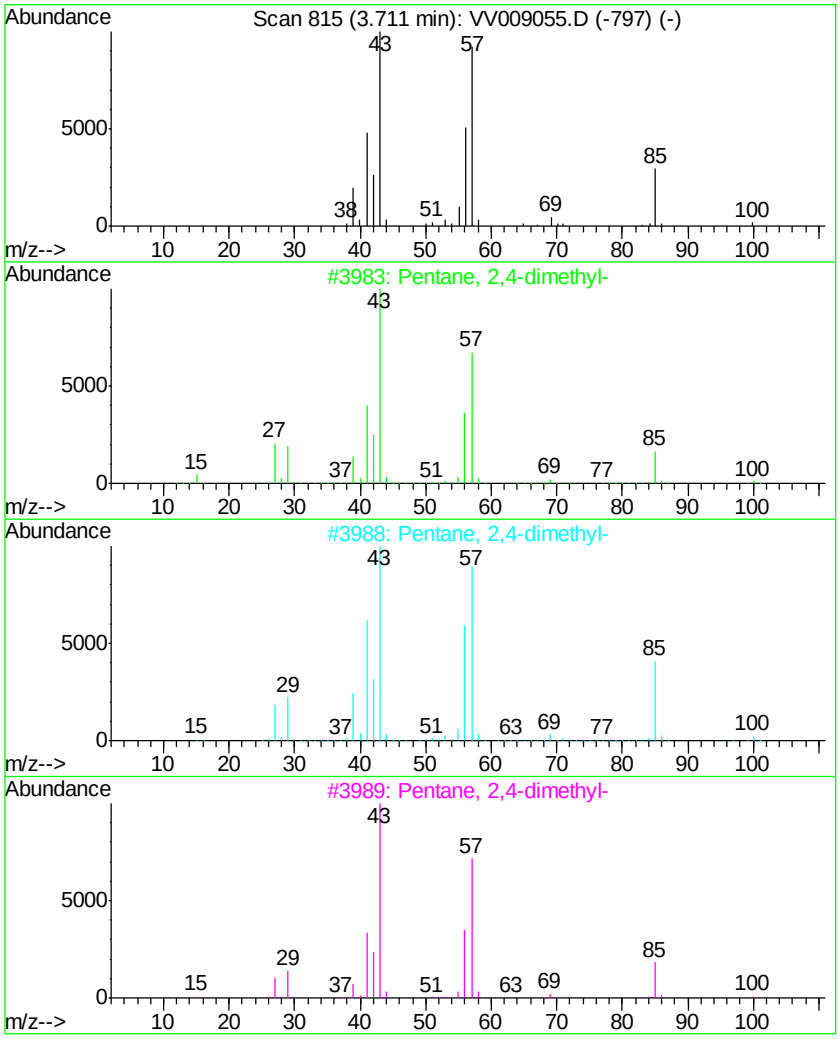
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

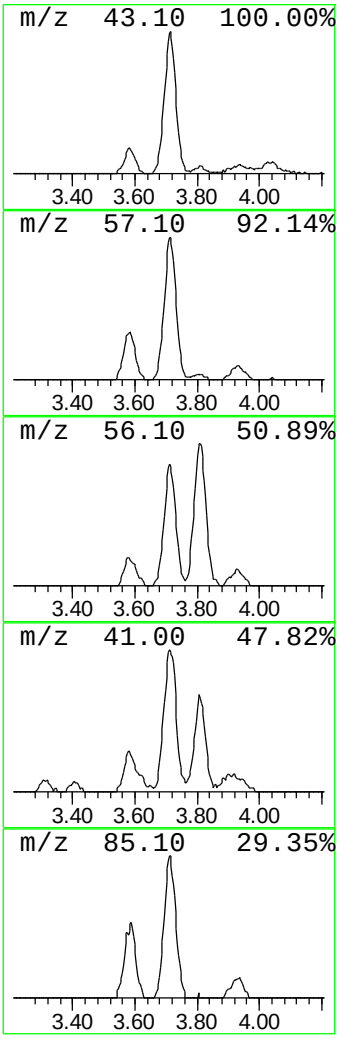
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	9.86 ug/L	111216	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

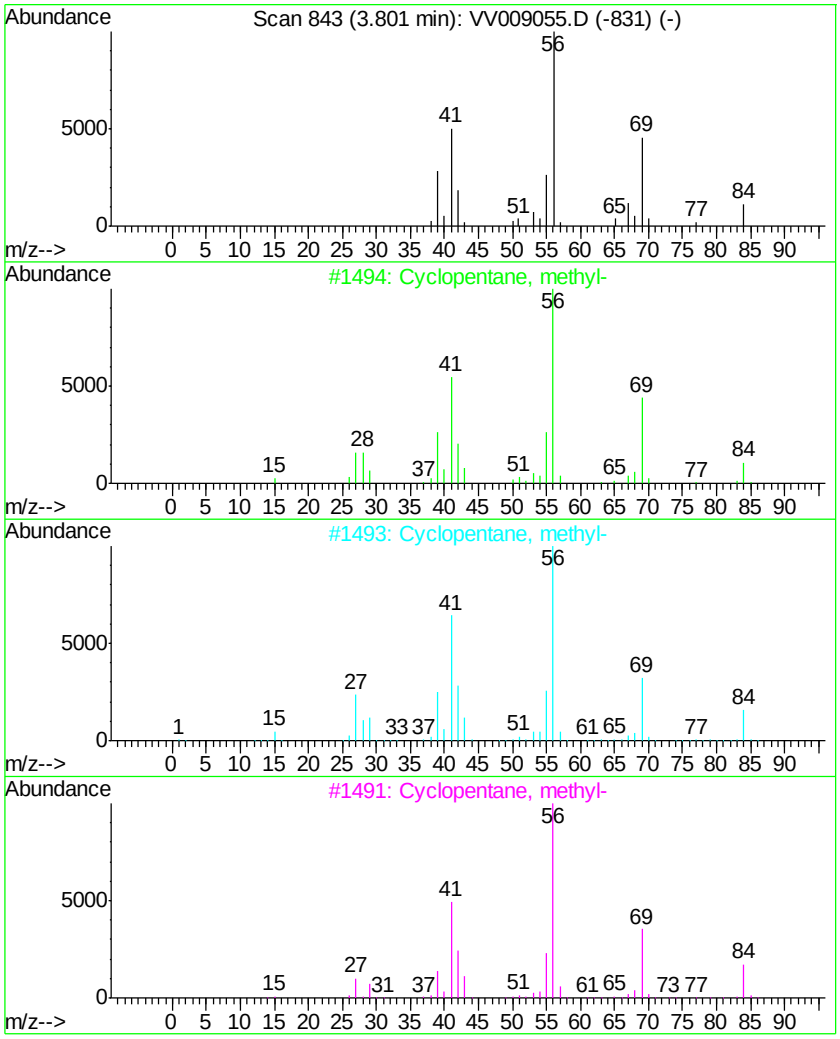
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

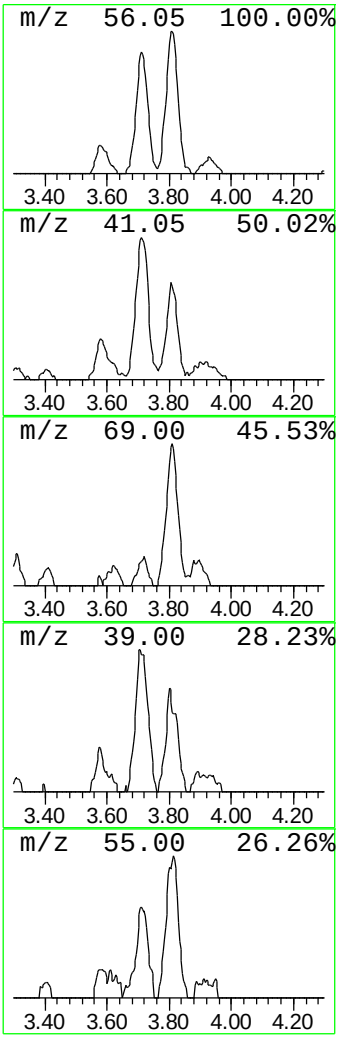
****

Peak Number 8 (DEL) Alkane: Cyclic3.80 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	4.73 ug/L	53324	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	59
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	50





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

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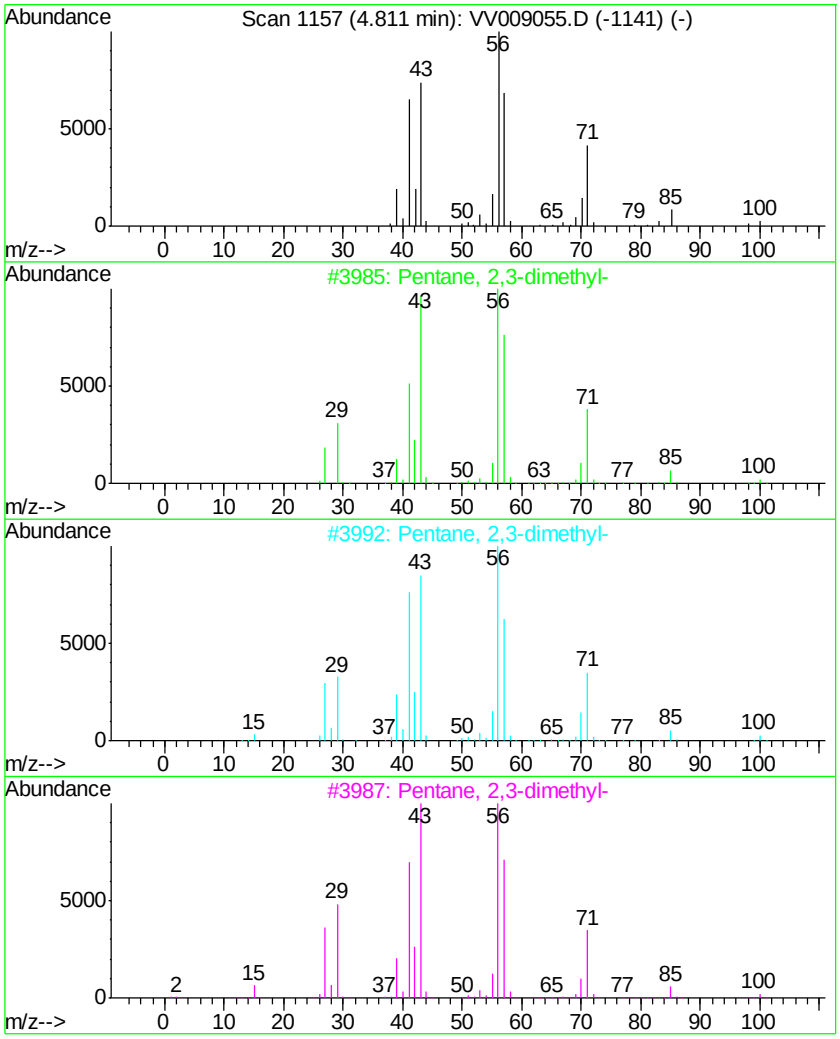
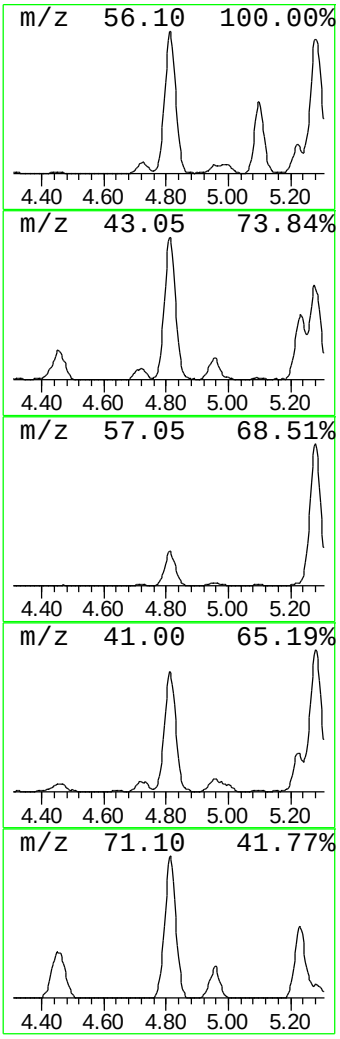
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.81	21.11 ug/L	238168	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	76
5	Pentane, 1-bromo-3,4-dimethyl-	178	C7H15Br	006570-92-9	50





Library Search Compound Report

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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

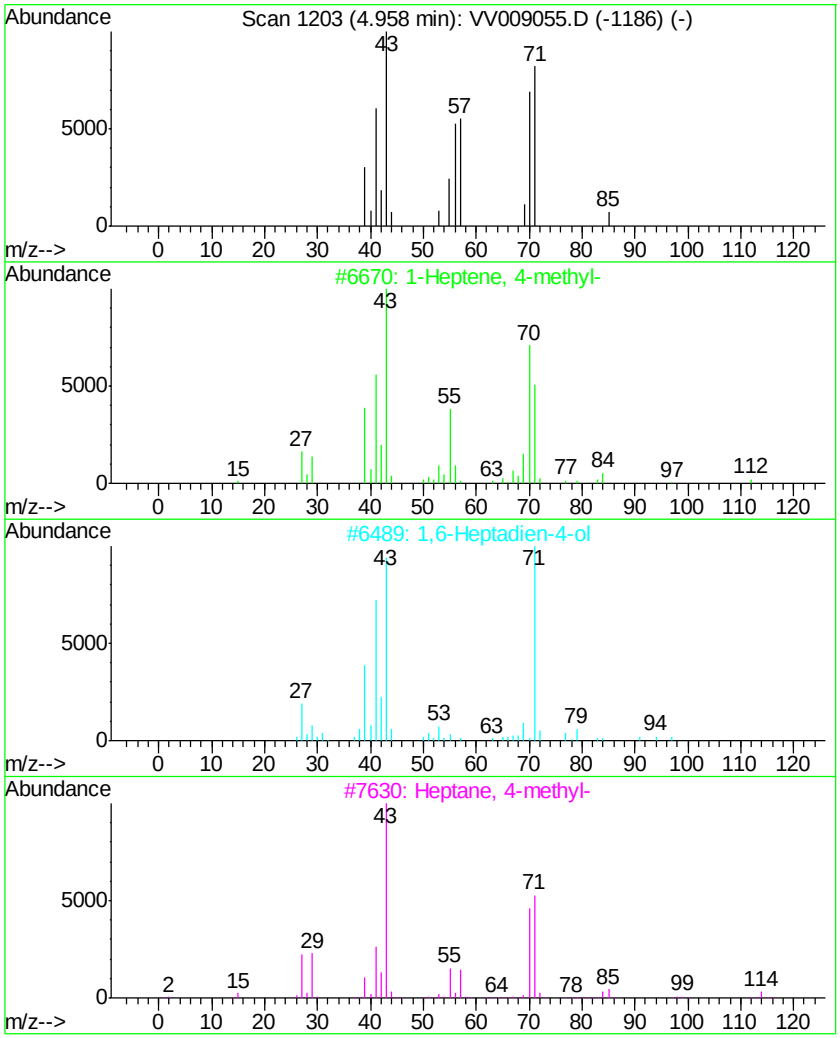
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

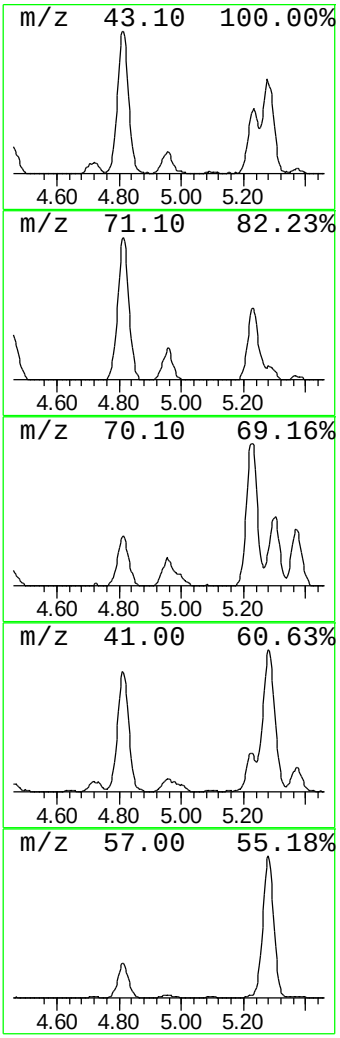
****

Peak Number 10 (DEL) Alkane: Cyclic4.96 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	2.44 ug/L	27516	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	38
2	1,6-Heptadien-4-ol	112	C7H12O	002883-45-6	37
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	36
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	33
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	33





Library Search Compound Report

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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

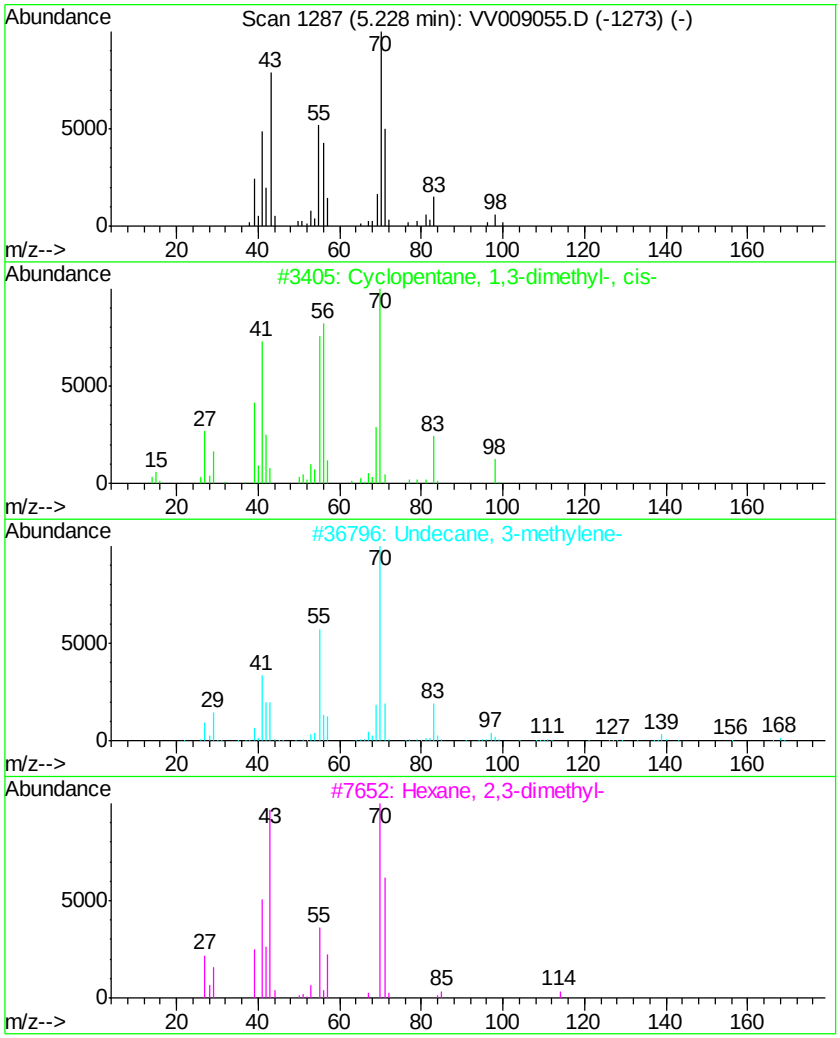
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

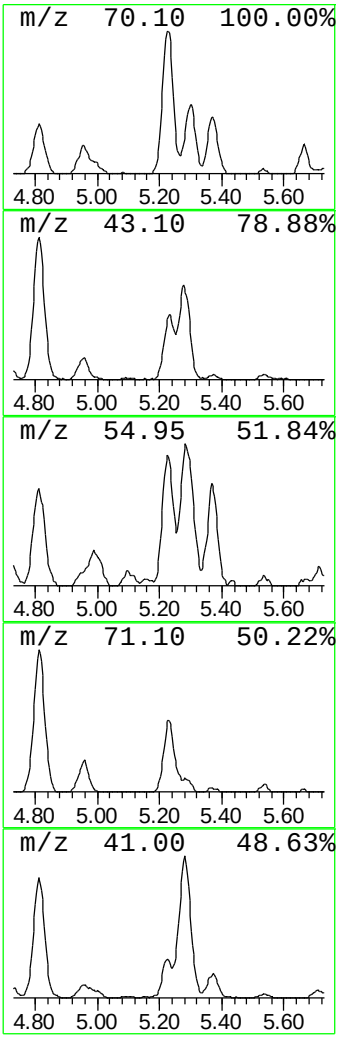
****

Peak Number 11 (DEL) Alkane: Cyclic5.23 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	8.57 ug/L	96640	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	55
2	Undecane, 3-methylene-	168	C12H24	071138-64-2	50
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	50
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	46
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	46





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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

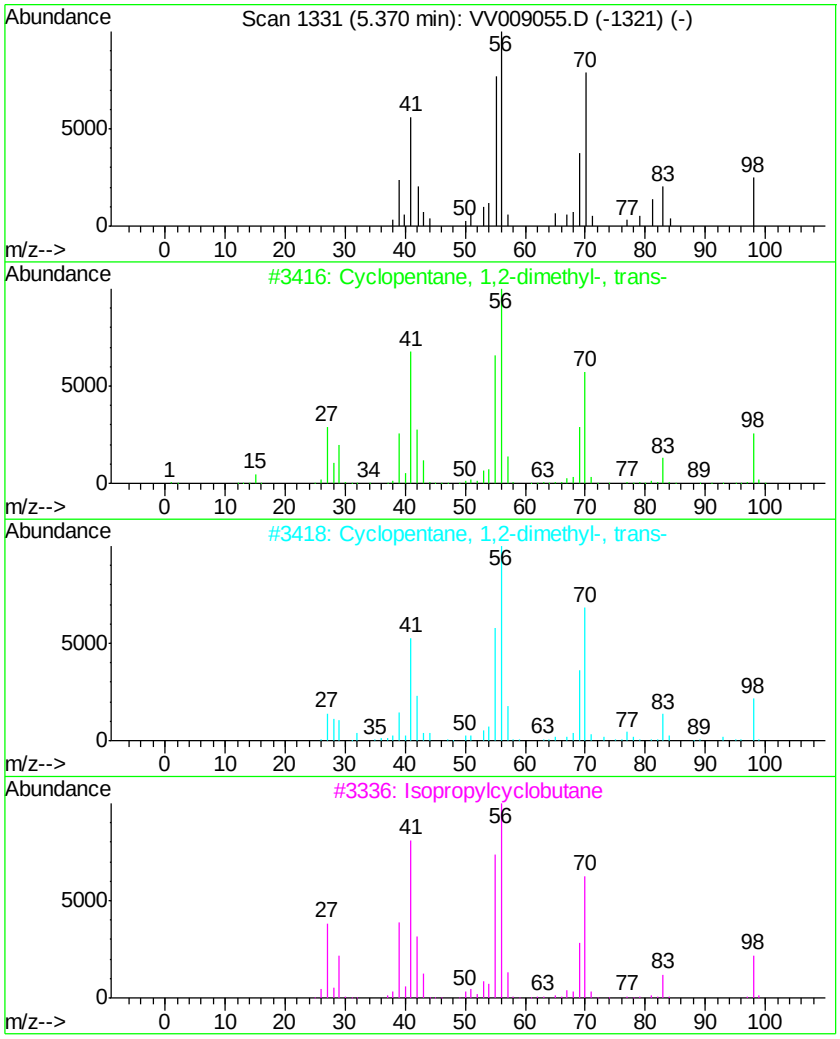
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

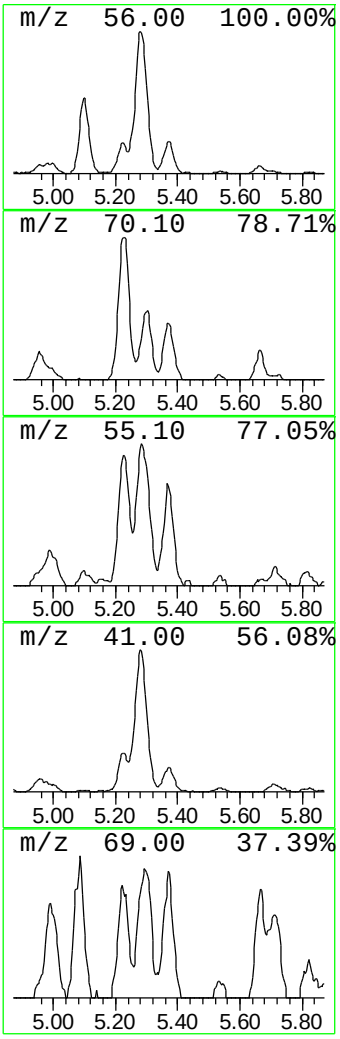
****

Peak Number 12 (DEL) Alkane: Cyclic5.37 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	5.10 ug/L	57586	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Isopropylcyclobutane	98	C7H14	000872-56-0	90
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
5	1-Heptene	98	C7H14	000592-76-7	72





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Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

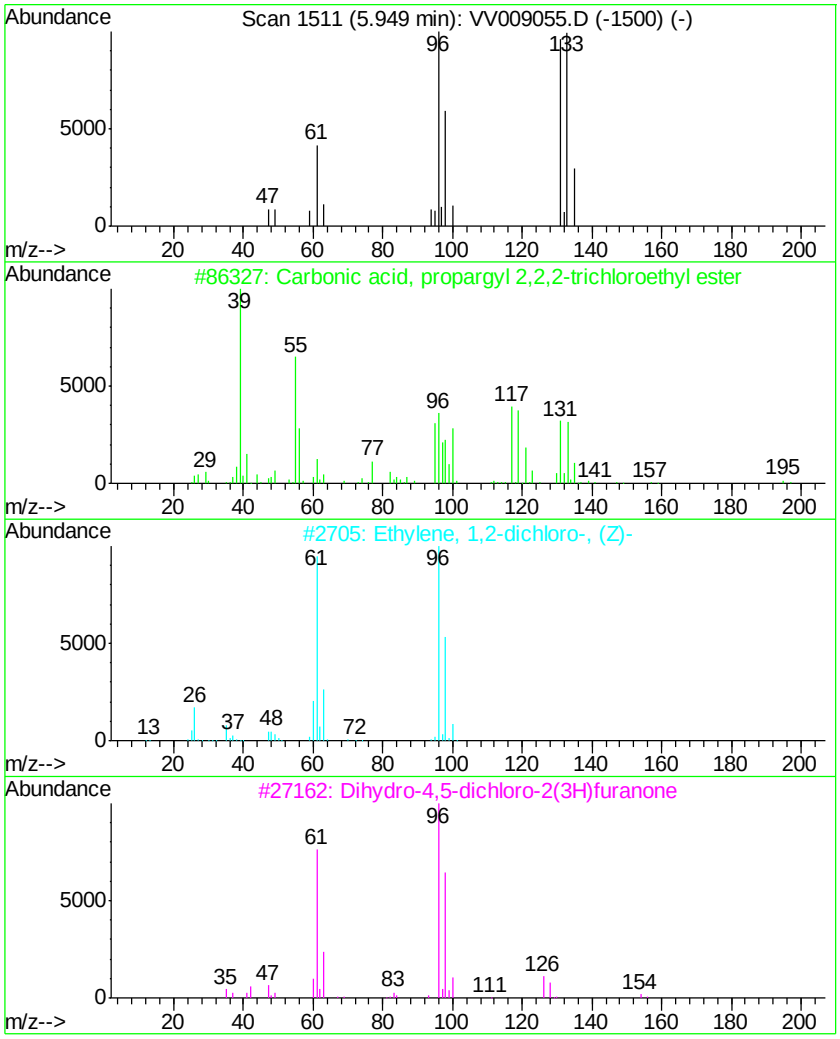
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

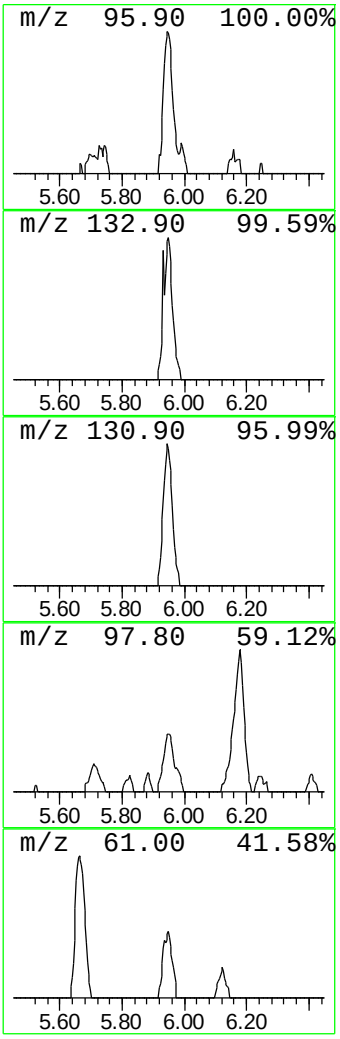
****

Peak Number 13 unknown-01 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	2.23 ug/L	25186	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, propargyl 2,2,2-t...	230	C6H5Cl3O3	1000325-65-3	43
2	Ethylene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	35
3	Dihydro-4,5-dichloro-2(3H)furanone	154	C4H4Cl2O2	114434-99-0	25
4	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	25
5	Propanoic acid, 2,2,3-trichloro-...	190	C4H5Cl3O2	004749-35-3	25





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Acq On : 19 Dec 2018 17:07
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Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

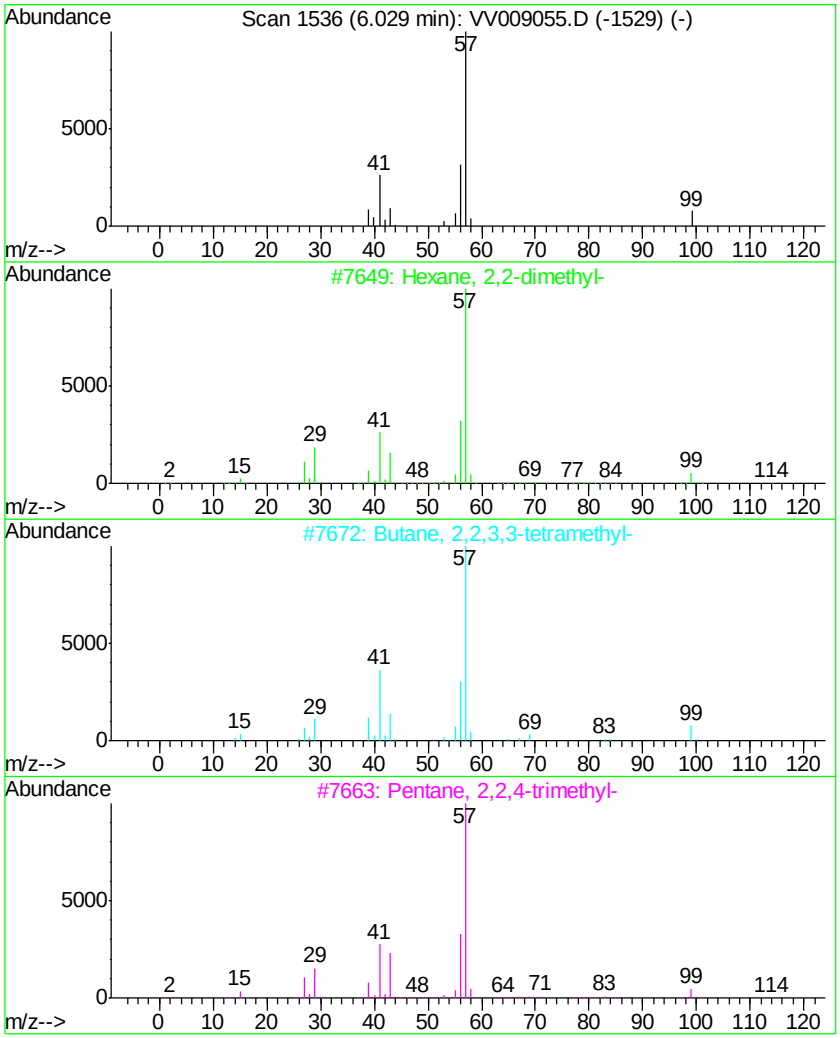
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

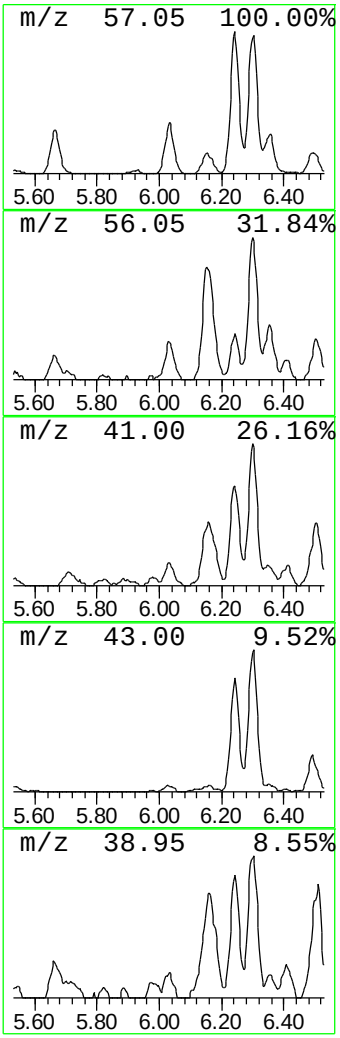
****

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	1.77 ug/L	19999	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	56
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	56
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	40
5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	40





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Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

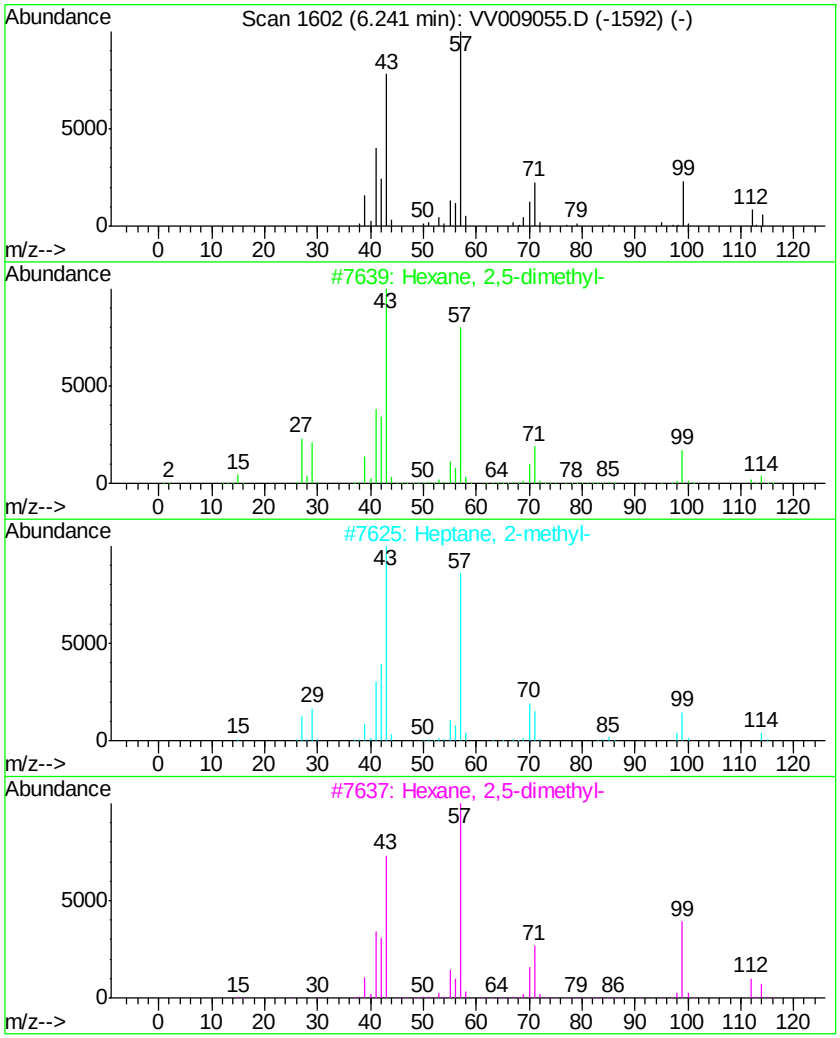
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

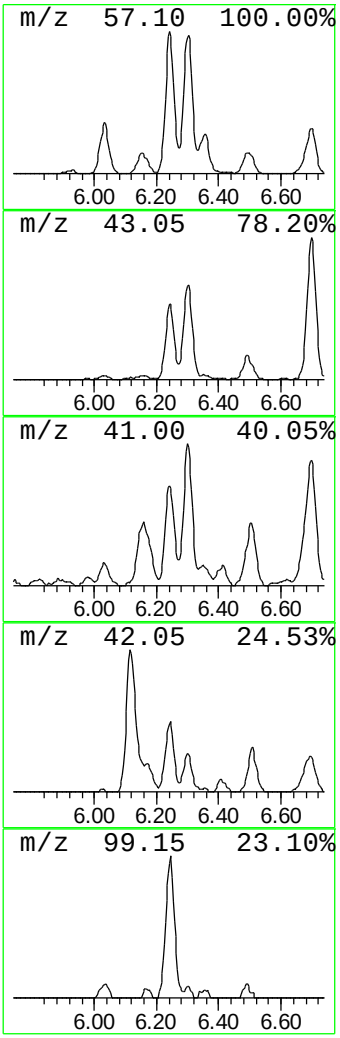
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	9.23 ug/L	104122	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	83
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	50





Library Search Compound Report

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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

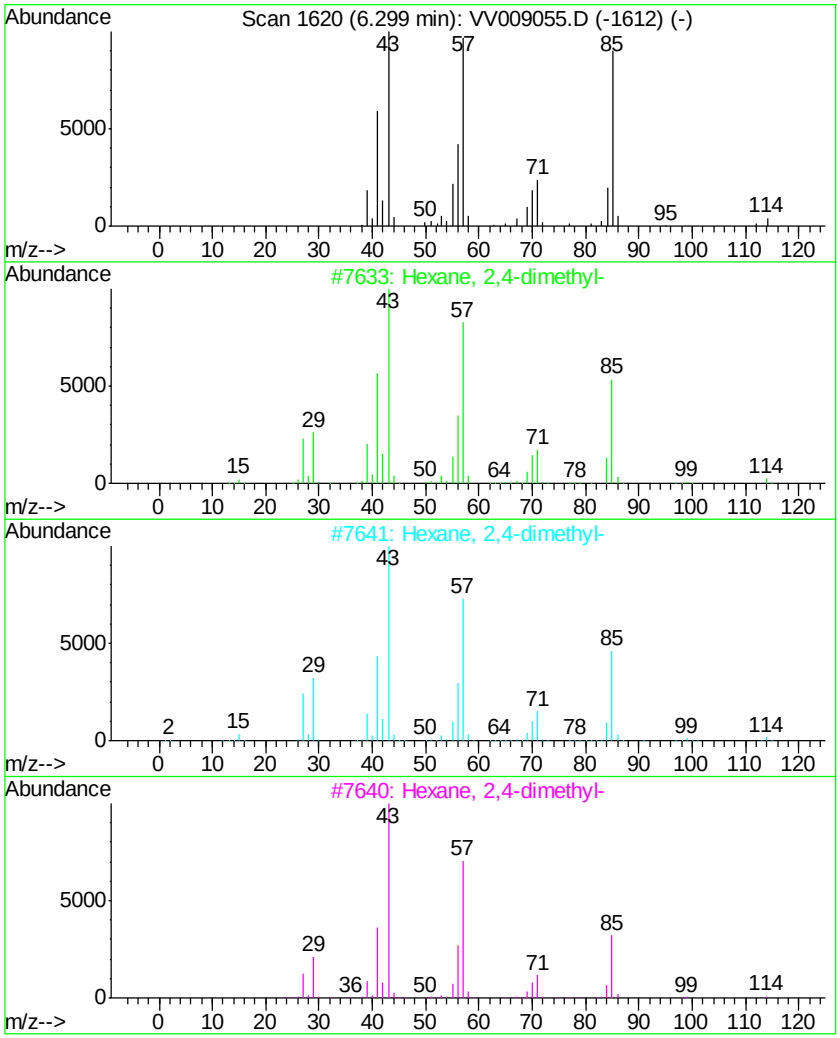
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

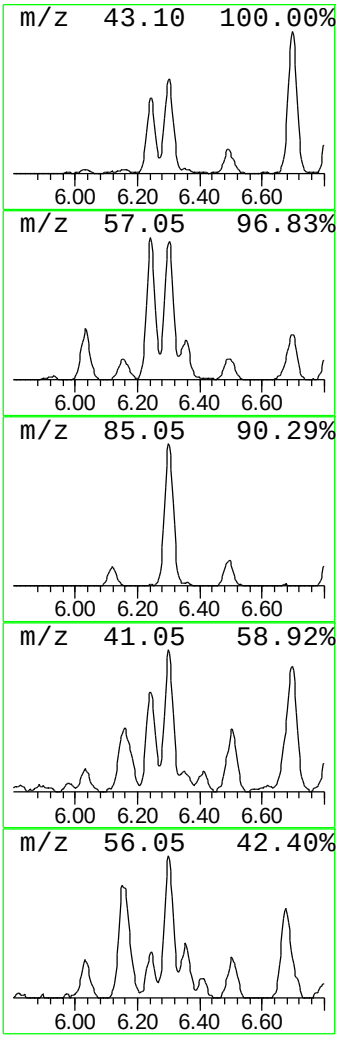
****

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	12.10 ug/L	136533	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	95
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
5	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	64





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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

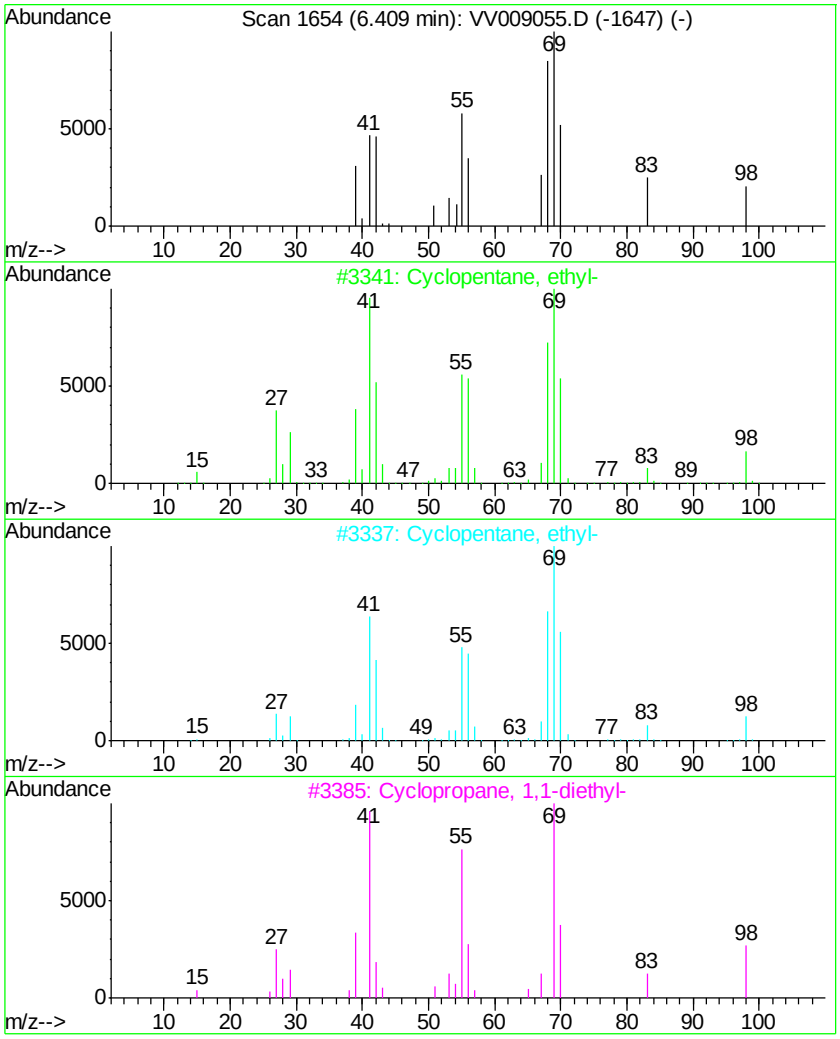
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

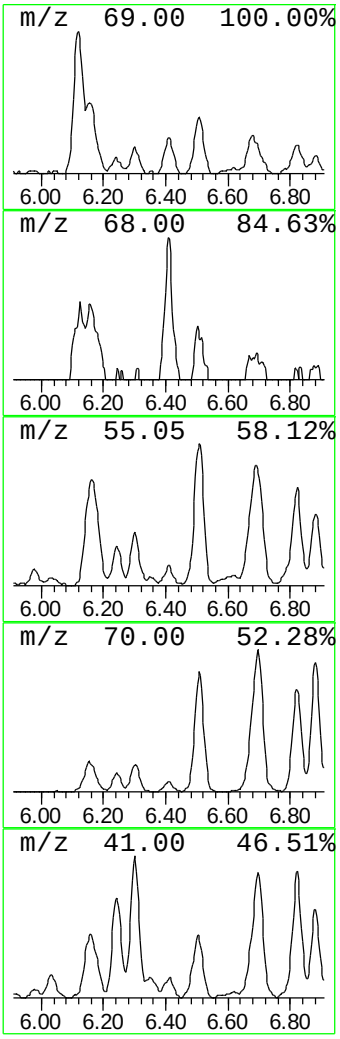
****

Peak Number 17 (DEL) Alkane: Cyclic6.41 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	1.80 ug/L	20267	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	80
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	50
3	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43
5	Cyclopentane, butyl-	126	C9H18	002040-95-1	38





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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

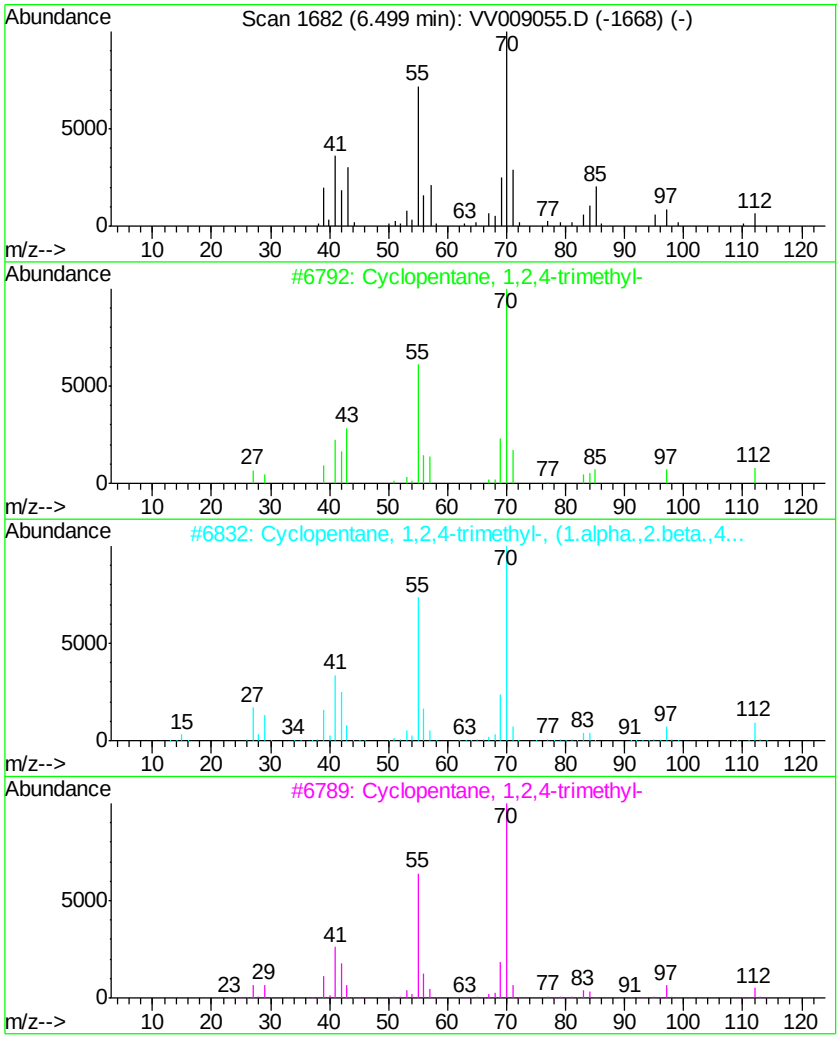
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

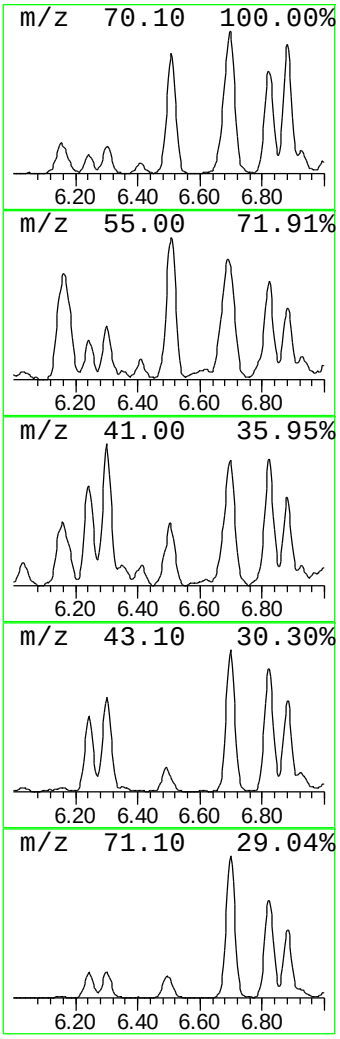
****

Peak Number 18 (DEL) Alkane: Cyclic6.50 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	10.28 ug/L	115949	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	76
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	74
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	64
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	59





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

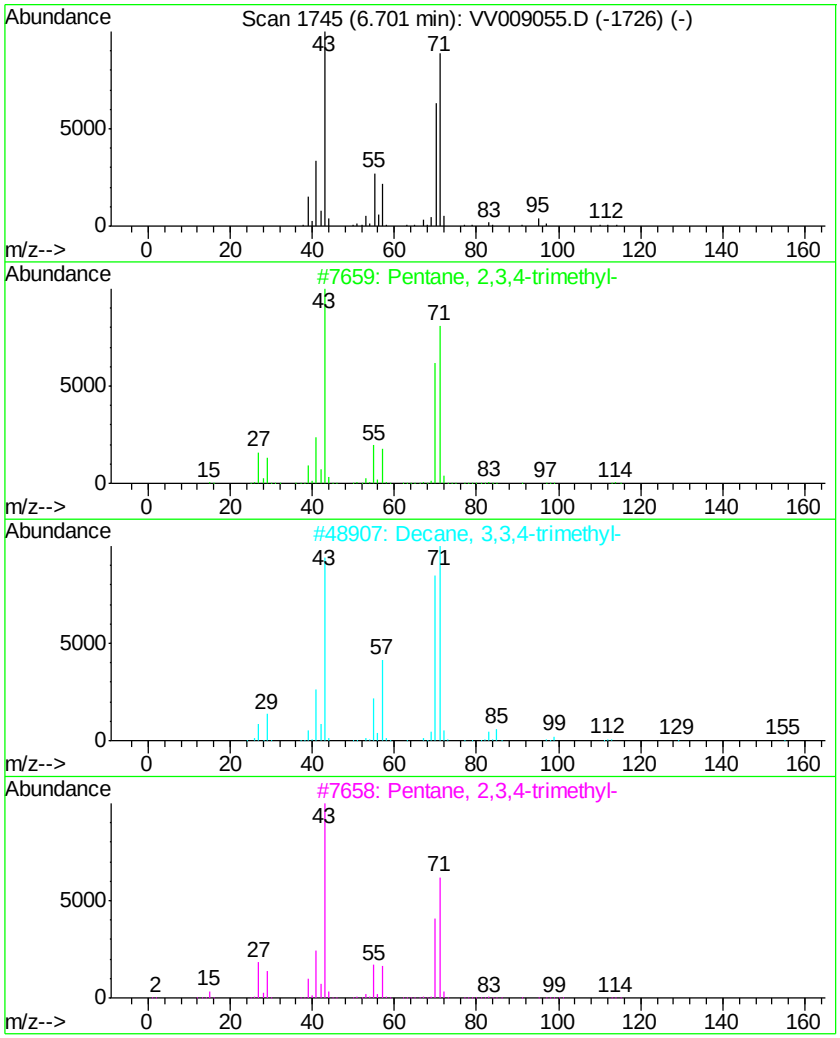
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

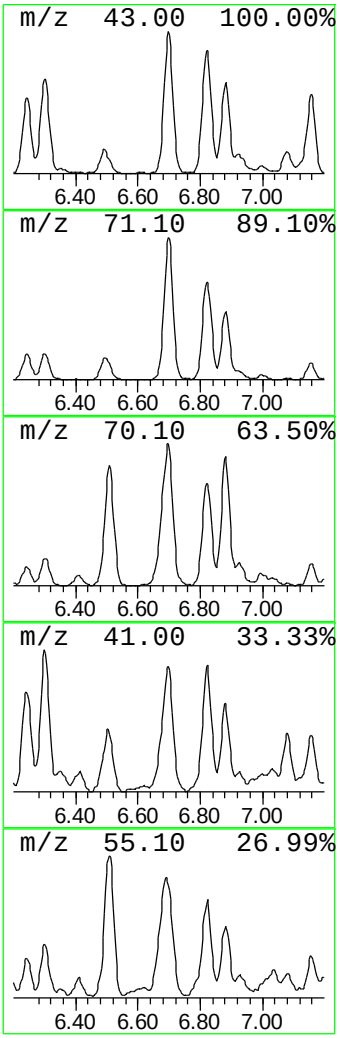
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	20.45 ug/L	230734	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	87
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

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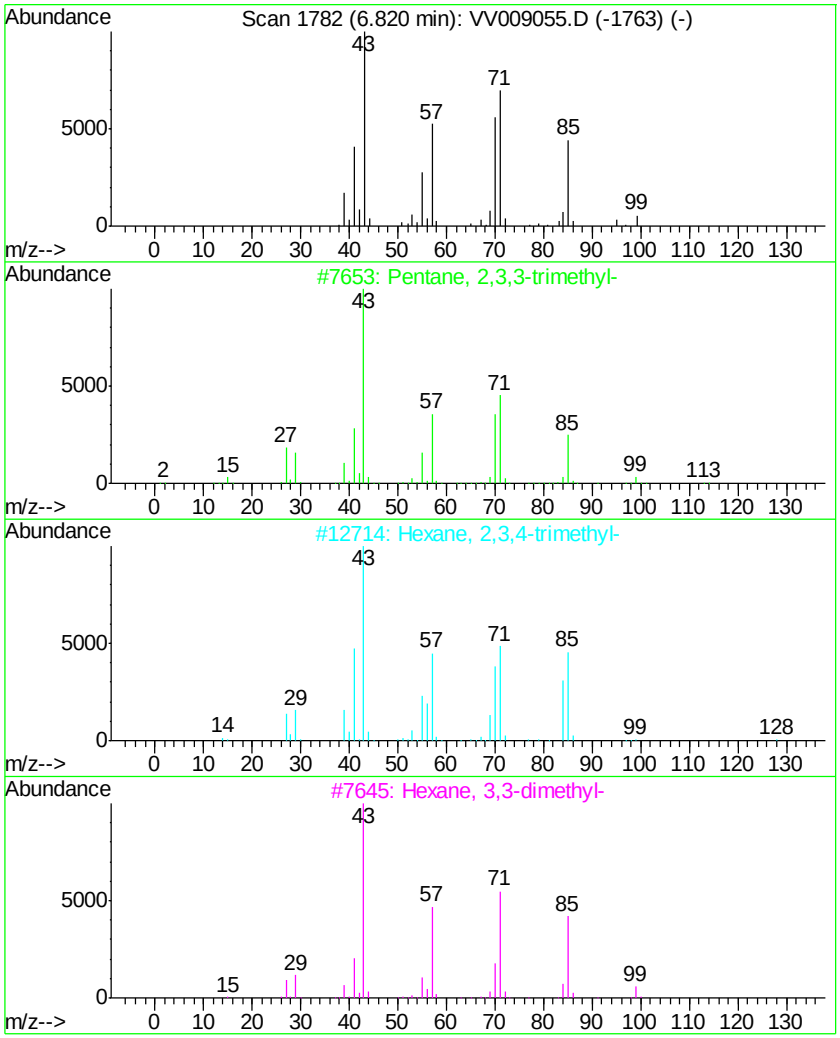
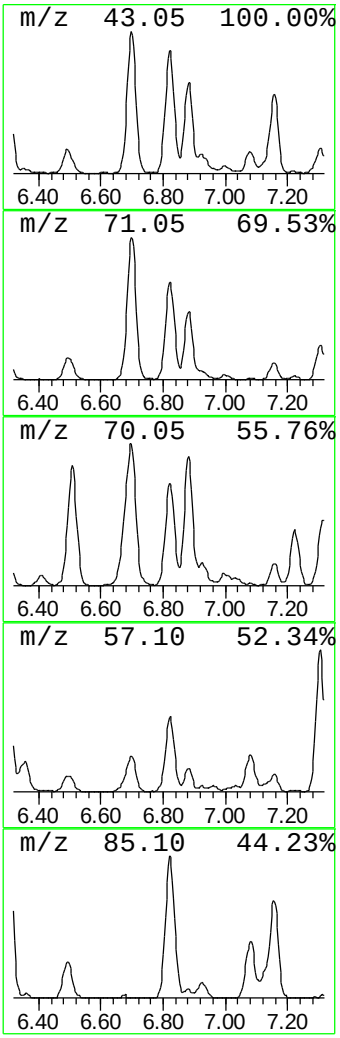
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	17.81 ug/L	200861	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	78
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59





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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

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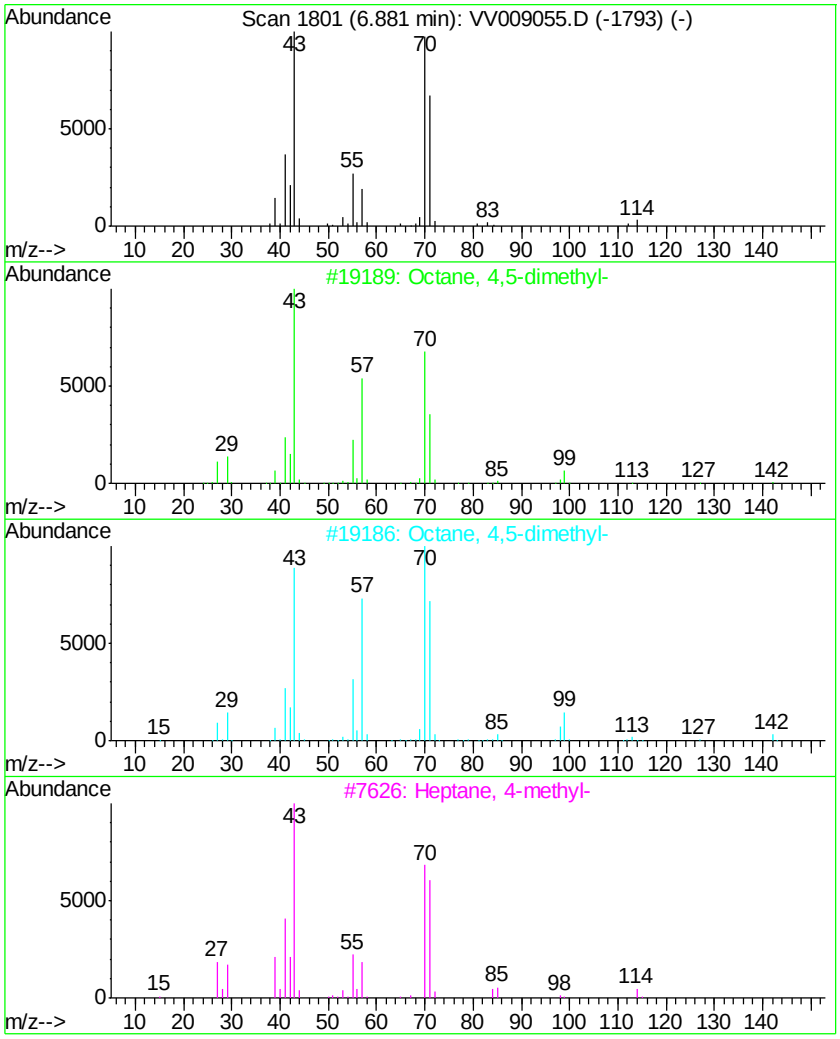
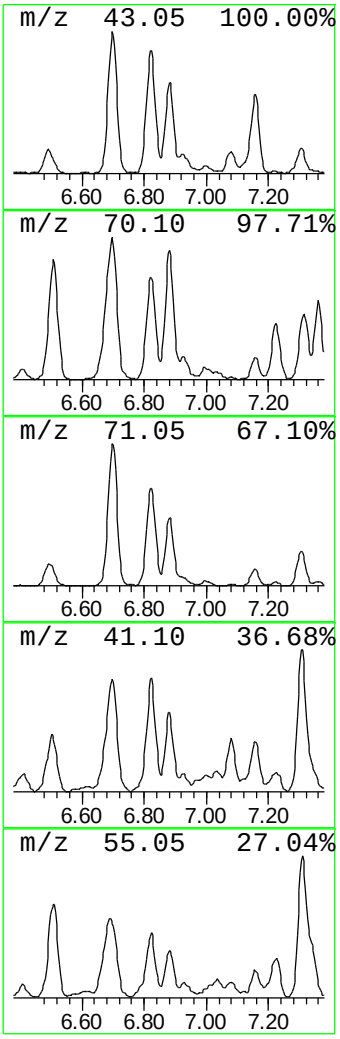
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	7.17 ug/L	80849	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	83
2	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	83
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	78
5	Pyrrolidine	71	C4H9N	000123-75-1	78





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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

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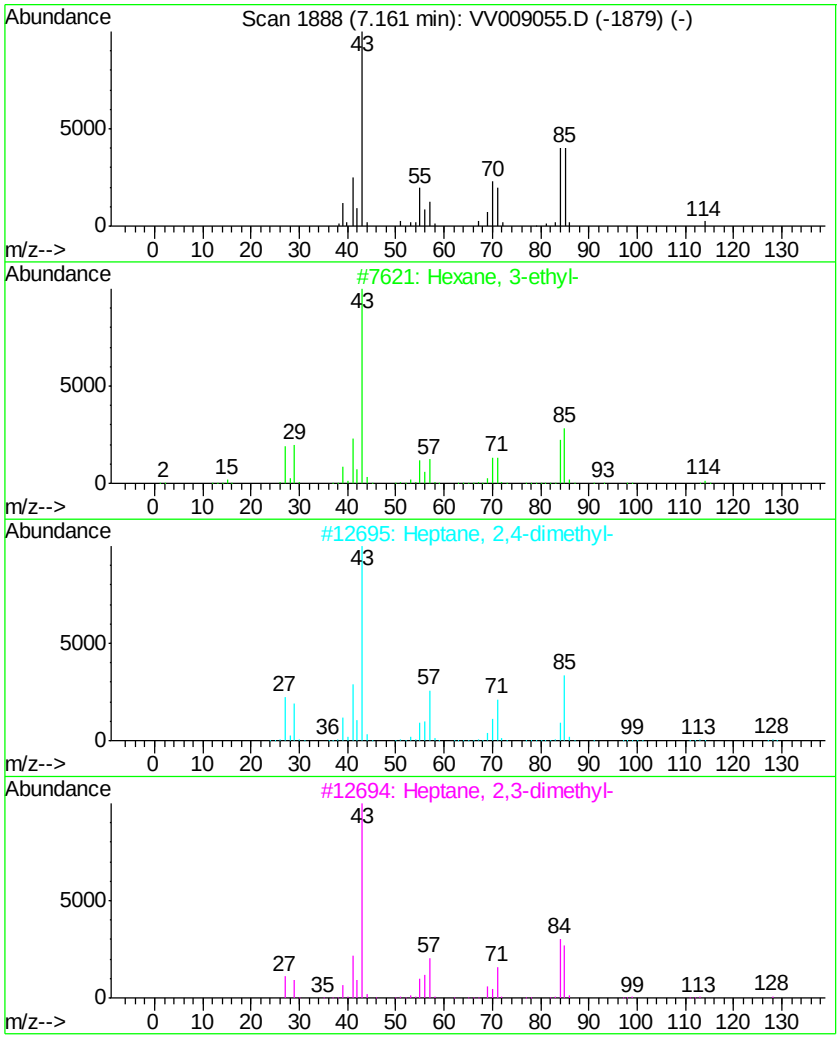
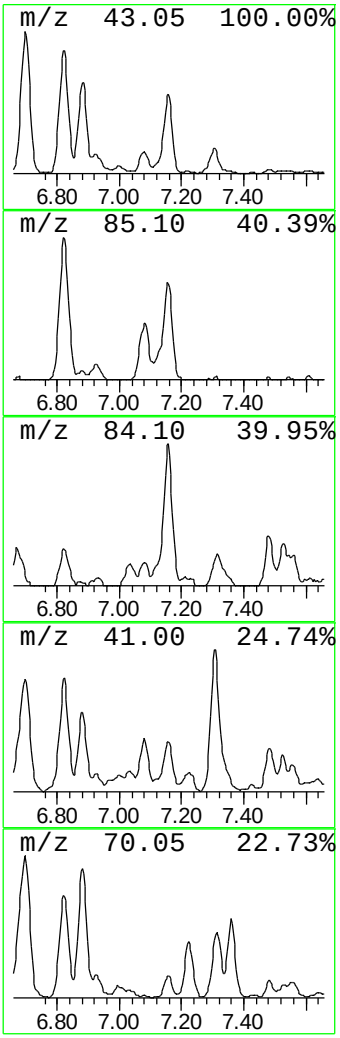
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	5.50 ug/L	62075	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	45
4	Octane	114	C8H18	000111-65-9	43
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	43





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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

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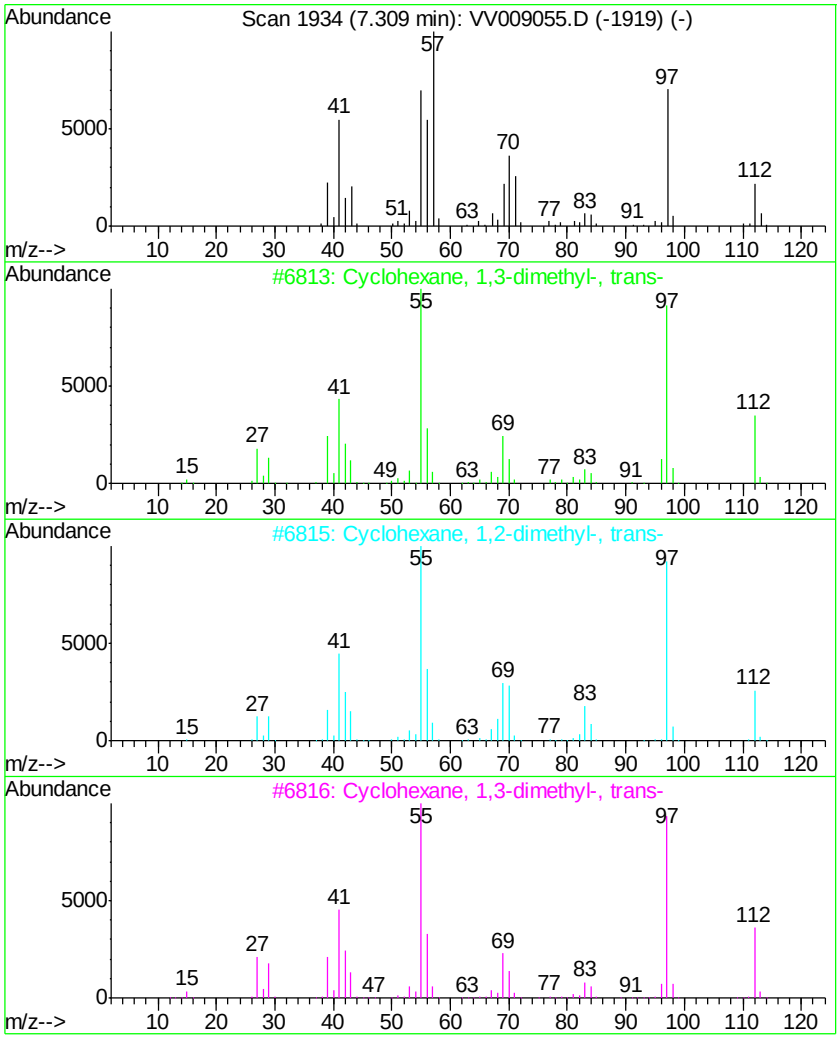
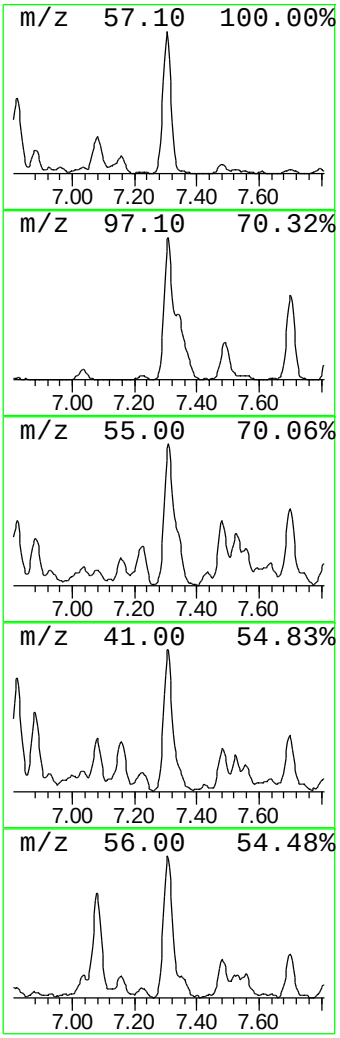
Peak Number 24 (DEL) Alkane: Cyclic7.31 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	16.42 ug/L	210619	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	50
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	49
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	49
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	49
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	49





Library Search Compound Report

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Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

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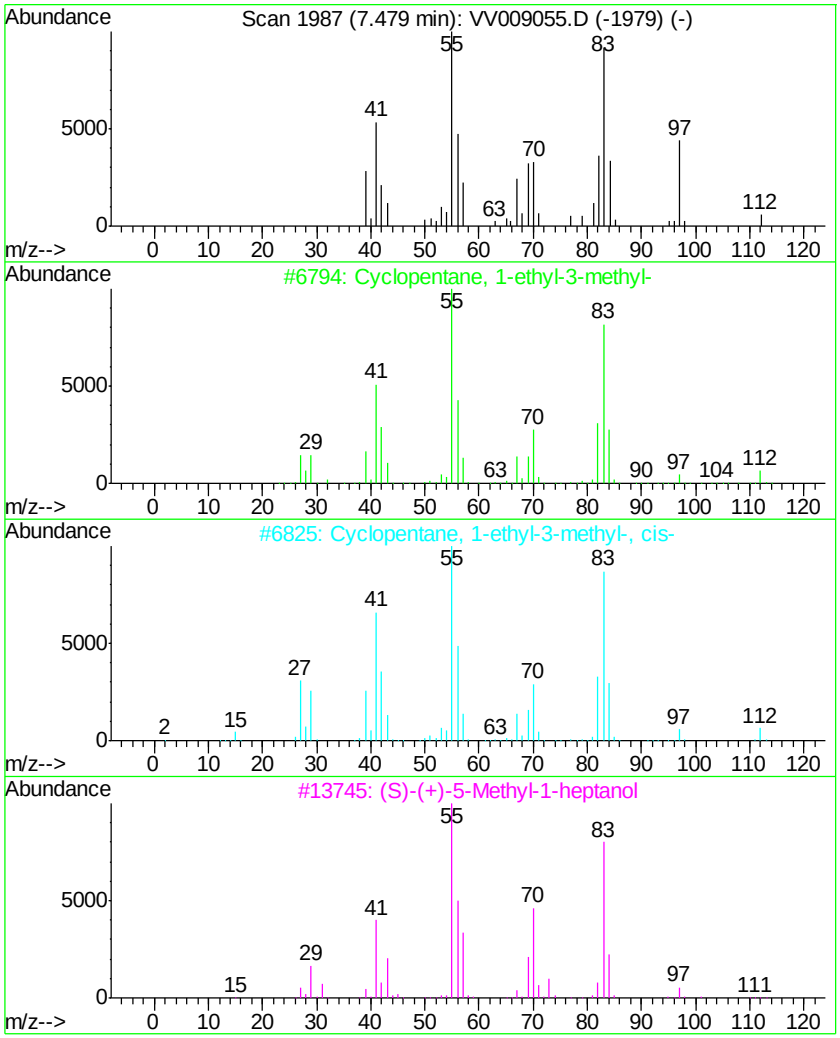
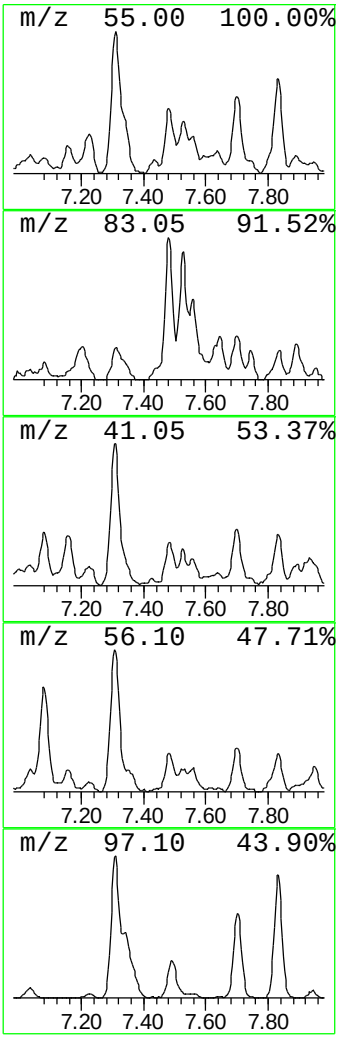
Peak Number 25 (DEL) Alkane: Cyclic7.48 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	4.66 ug/L	59722	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	87
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	87
3	(S)-(+)-5-Methyl-1-heptanol	130	C8H18O	057803-73-3	53
4	1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	50
5	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	50





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Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

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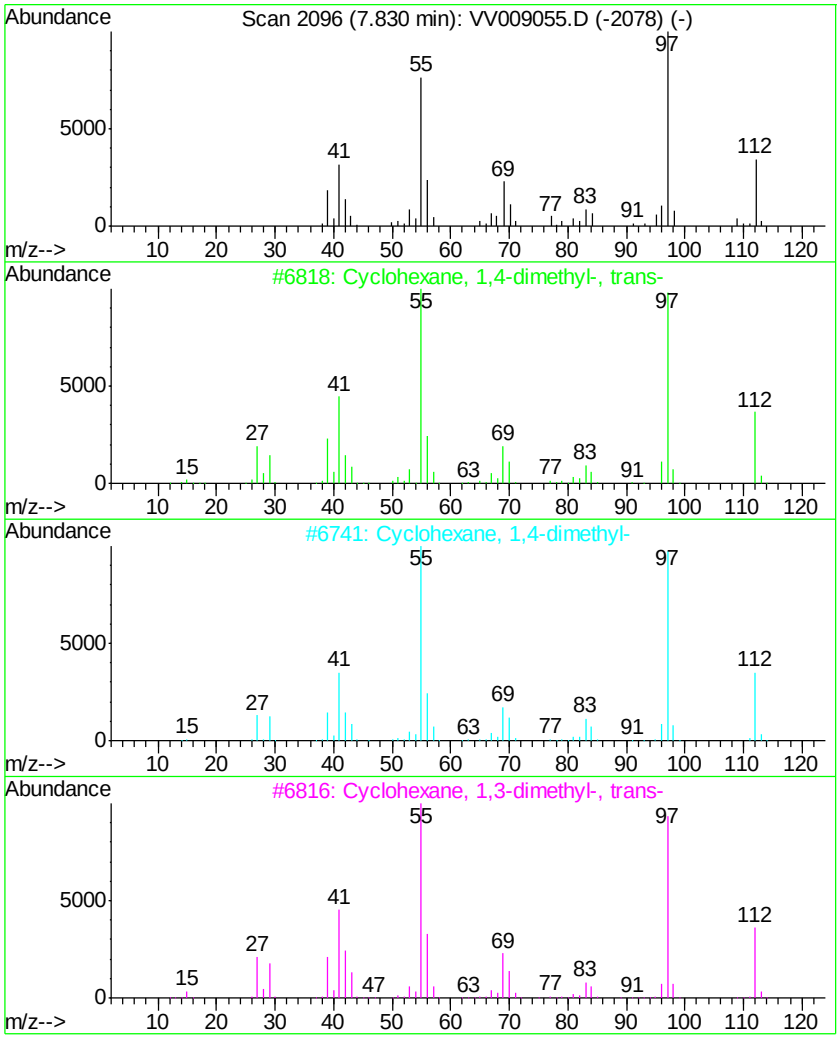
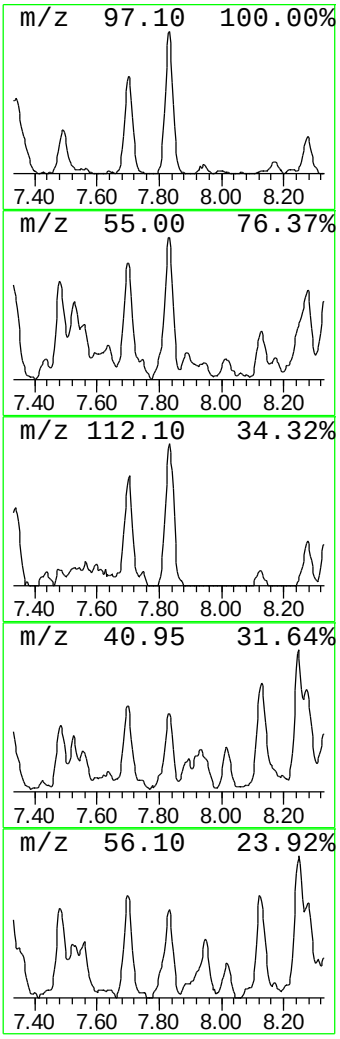
Peak Number 26 (DEL) Alkane: Cyclic7.83 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	7.82 ug/L	100257	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	92
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

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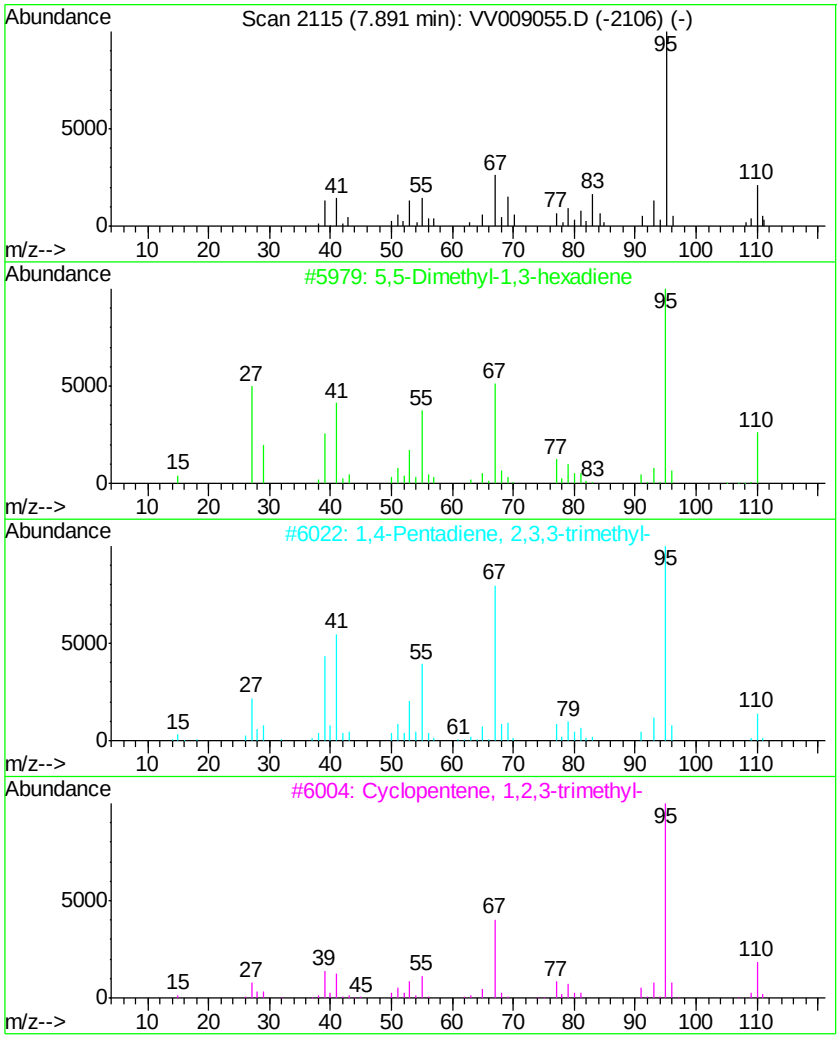
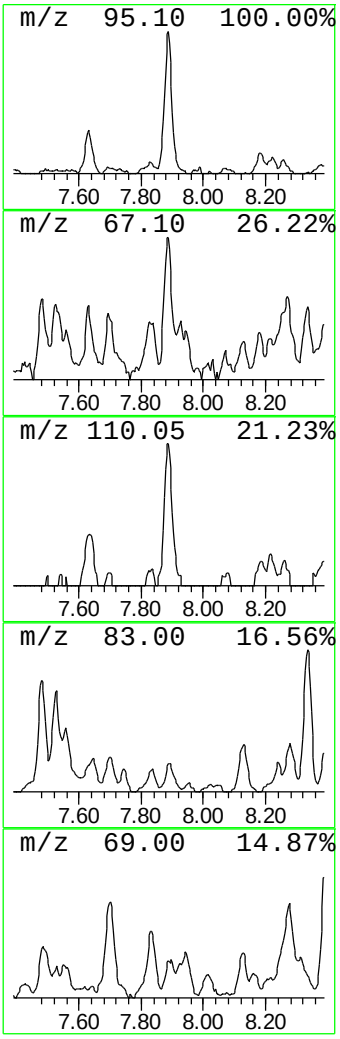
Peak Number 27 5,5-Dimethyl-1,3-hexadiene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	3.07 ug/L	39420	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	72
2	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	68
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	64
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

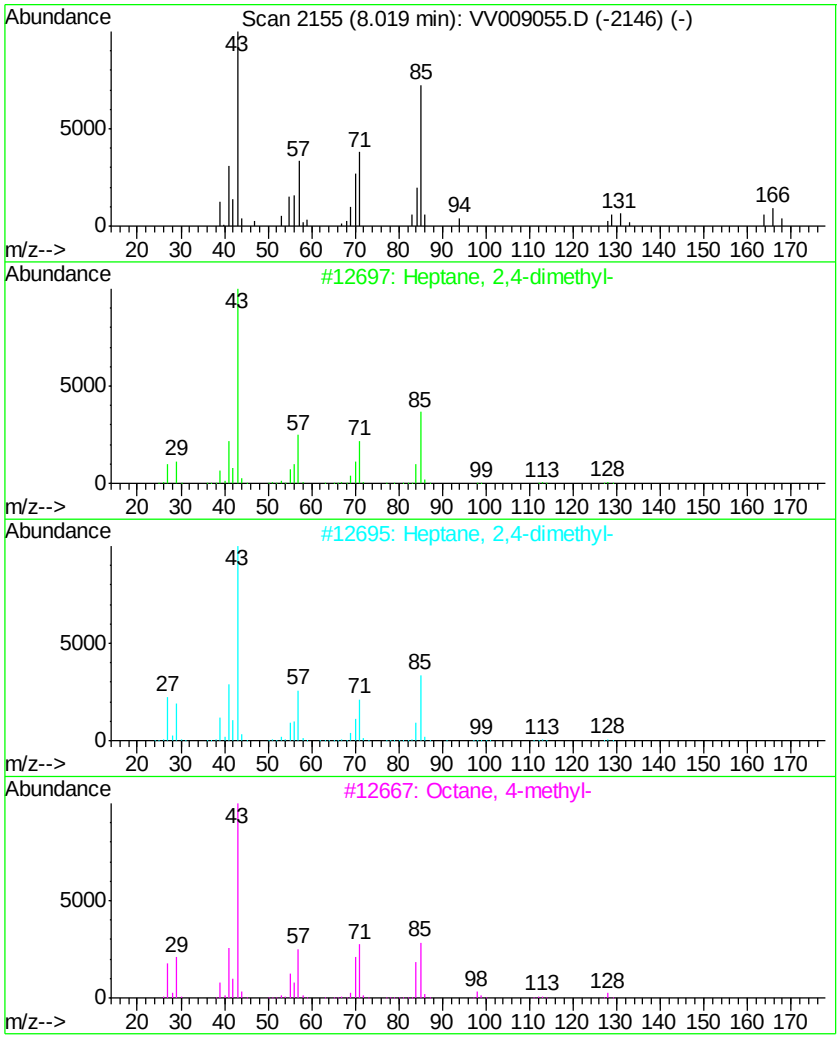
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

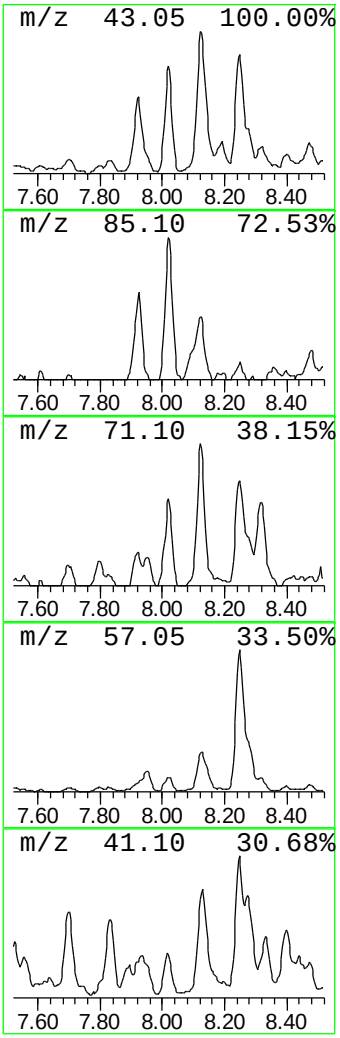
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.02	3.41 ug/L	43751	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	68
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
3	Octane, 4-methyl-	128	C9H20	002216-34-4	52
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	52
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

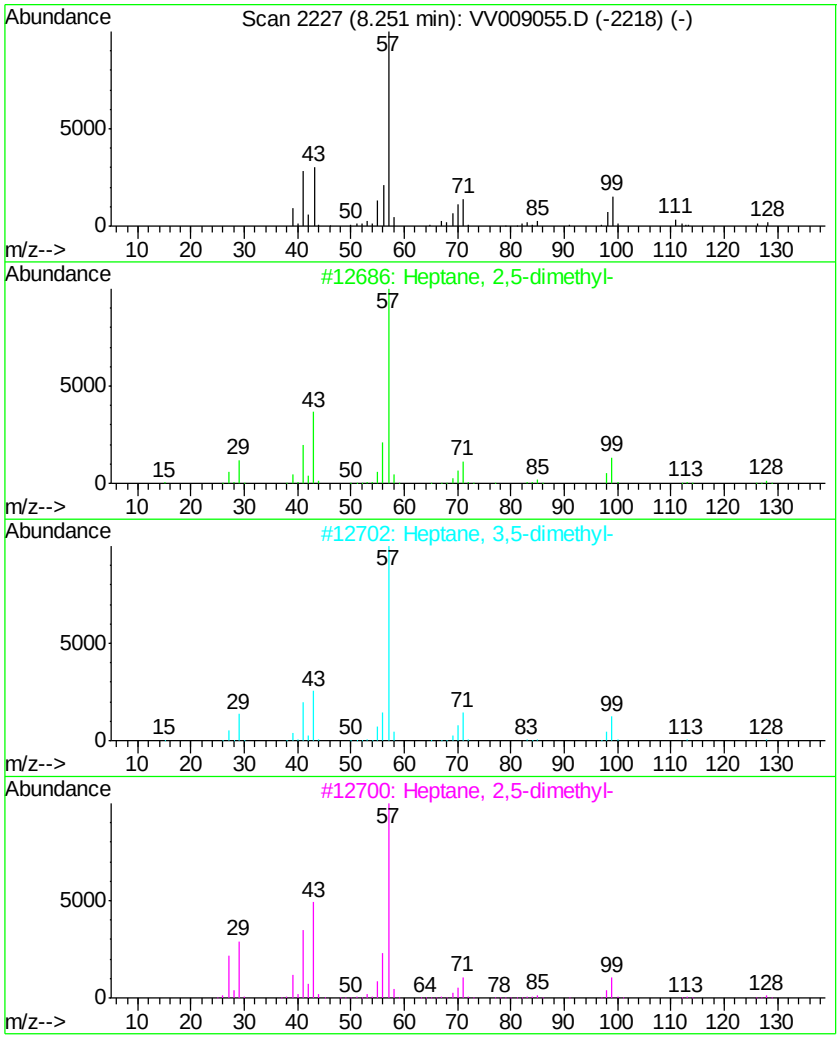
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

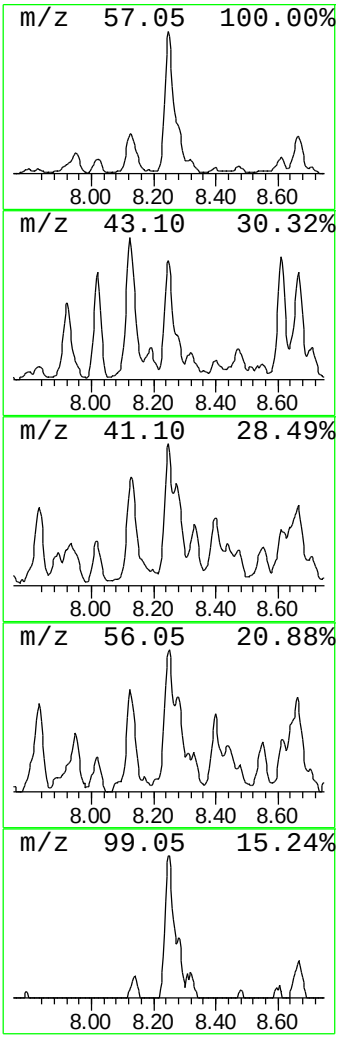
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	7.14 ug/L	91575	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	90
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

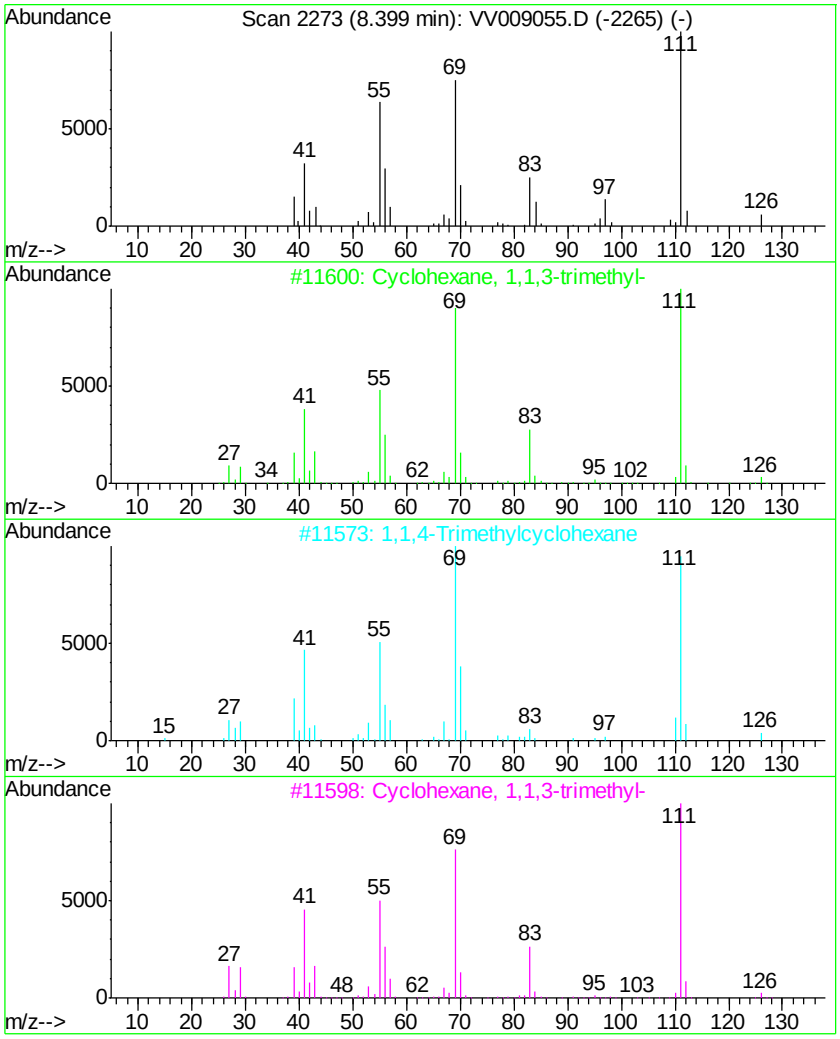
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

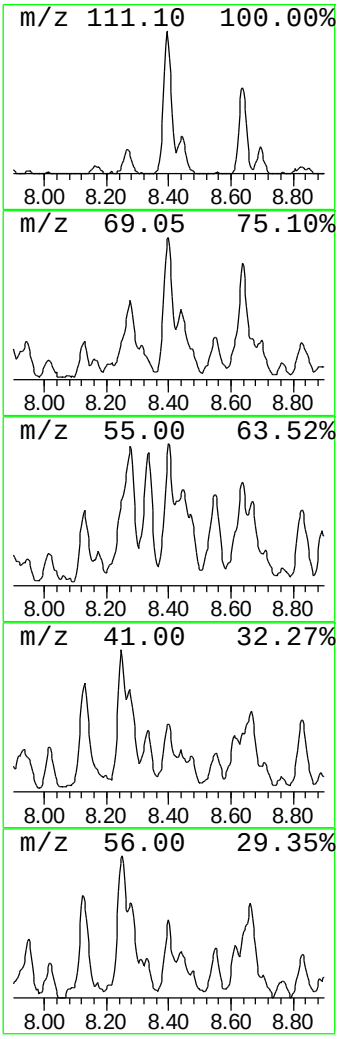
****

Peak Number 30 (DEL) Alkane: Cyclic8.40 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	4.25 ug/L	54574	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64





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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

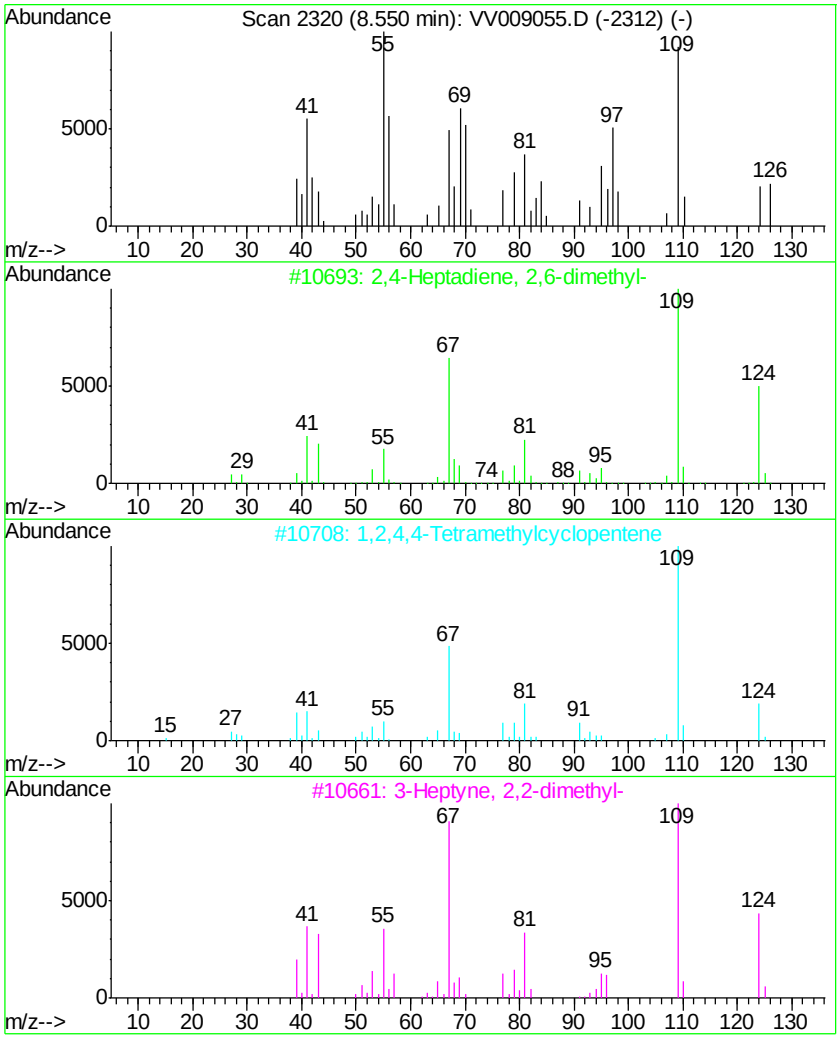
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

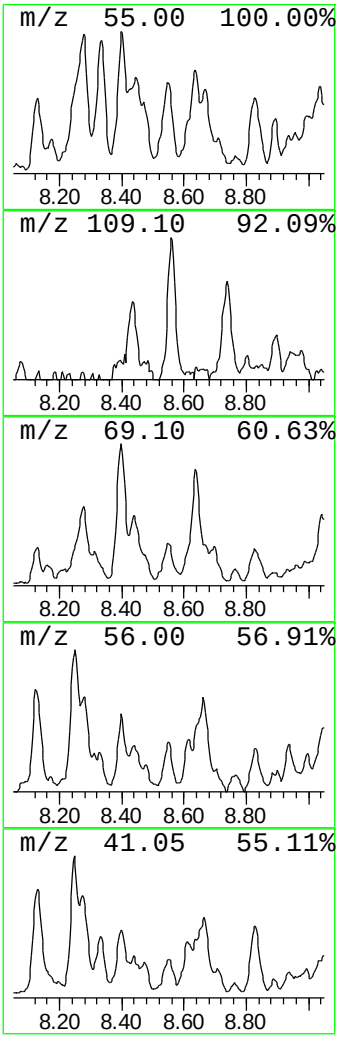
****

Peak Number 31 unknown-02 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	2.93 ug/L	37589	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	43
2	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	43
3	3-Heptyne, 2,2-dimethyl-	124	C9H16	029022-29-5	43
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	43
5	2-Cyclopenten-1-one, 3,4,4-trime...	124	C8H12O	030434-65-2	25





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

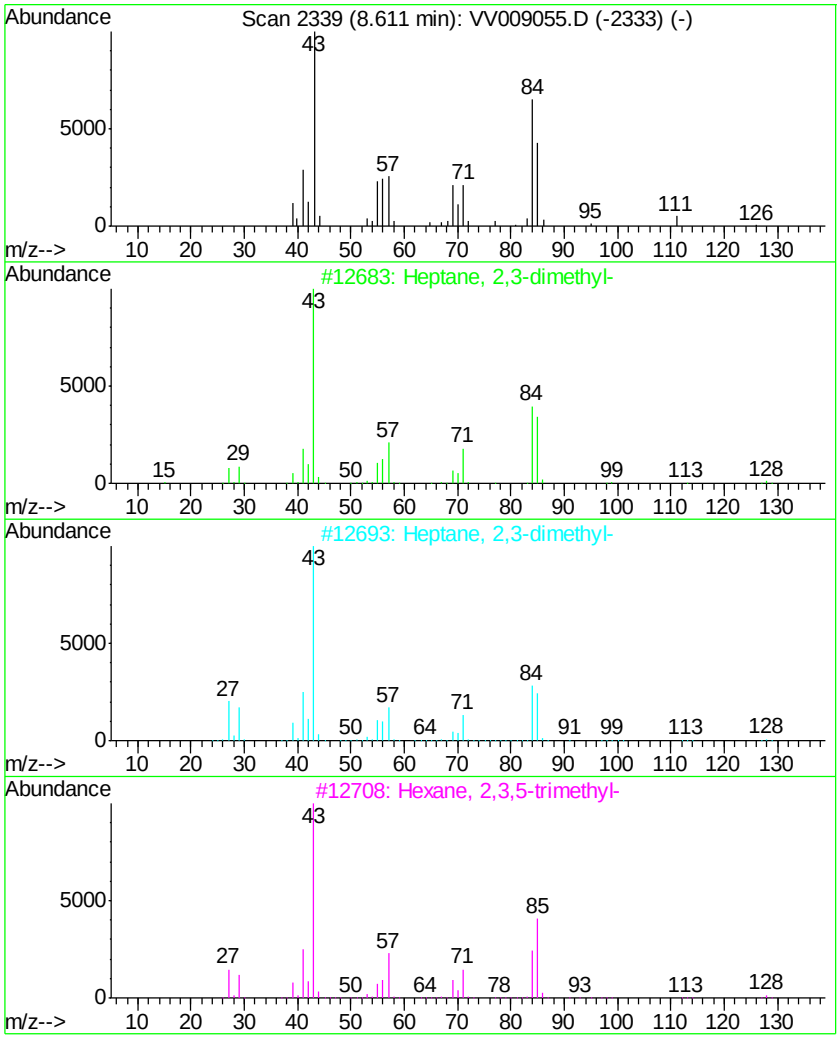
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

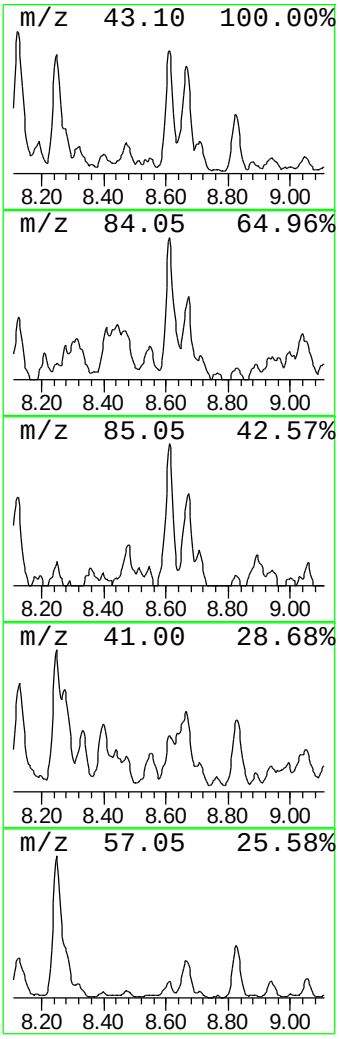
****

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	2.20 ug/L	28227	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	78
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	59
4	1-Octene, 4-methyl-	126	C9H18	013151-12-7	59
5	Hexanal, 3,3-dimethyl-	128	C8H16O	055320-57-5	59





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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

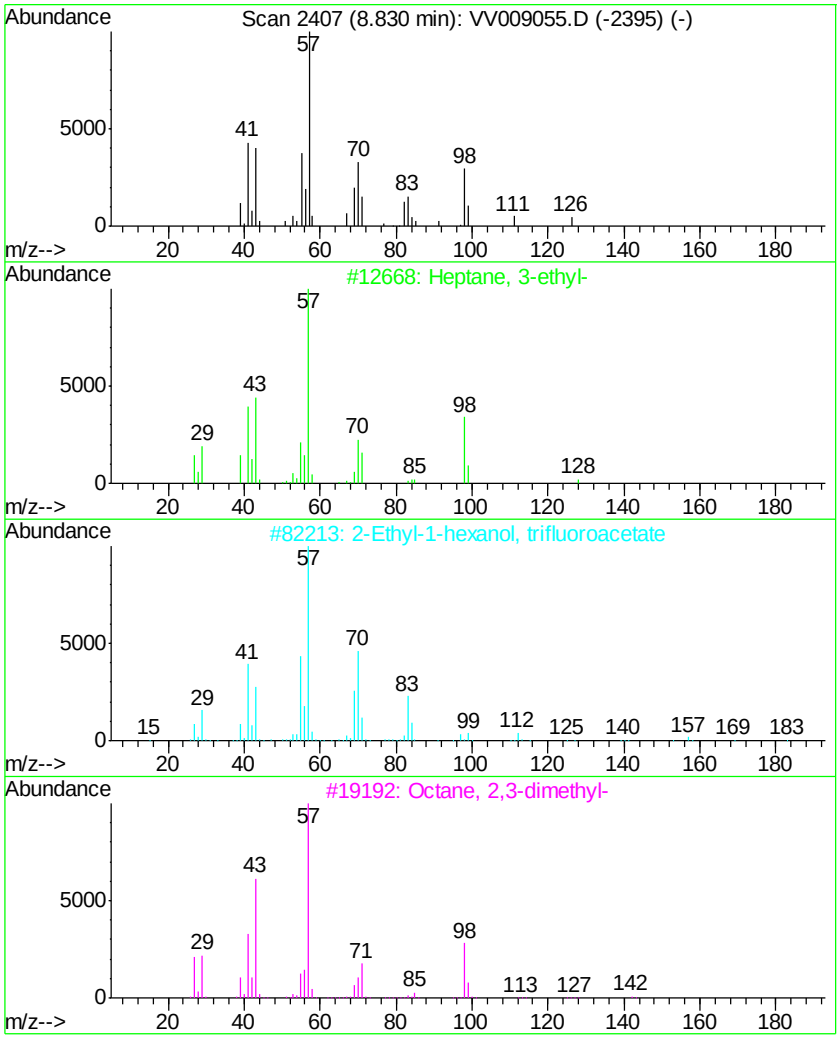
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

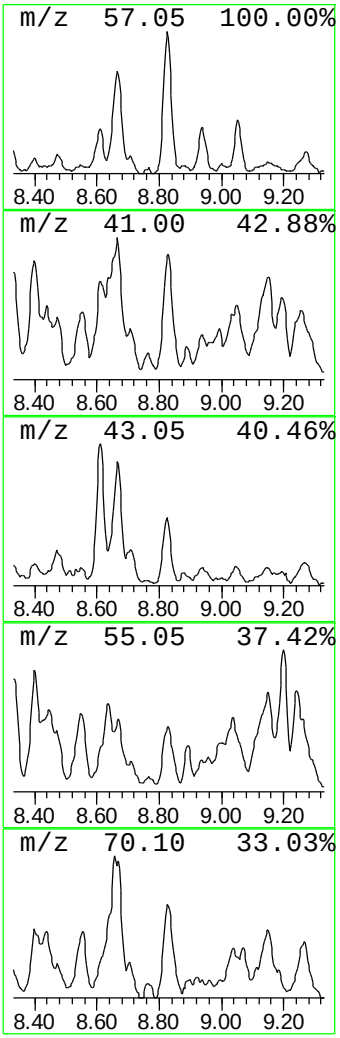
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	4.88 ug/L	62549	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	53
2	2-Ethyl-1-hexanol, trifluoroacetate	226	C10H17F3O2	1000365-19-6	47
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	47
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
5	2-Ethyl-1-hexanol, pentafluoropr...	276	C11H17F5O2	1000365-51-1	43





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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

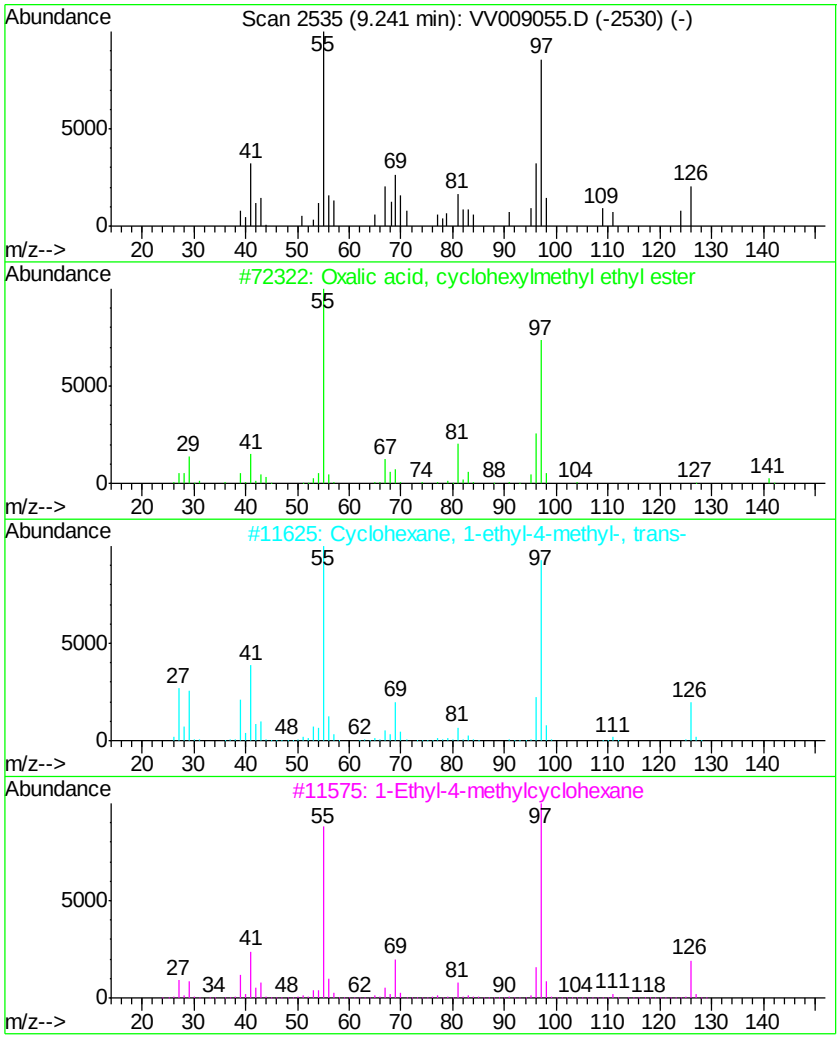
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

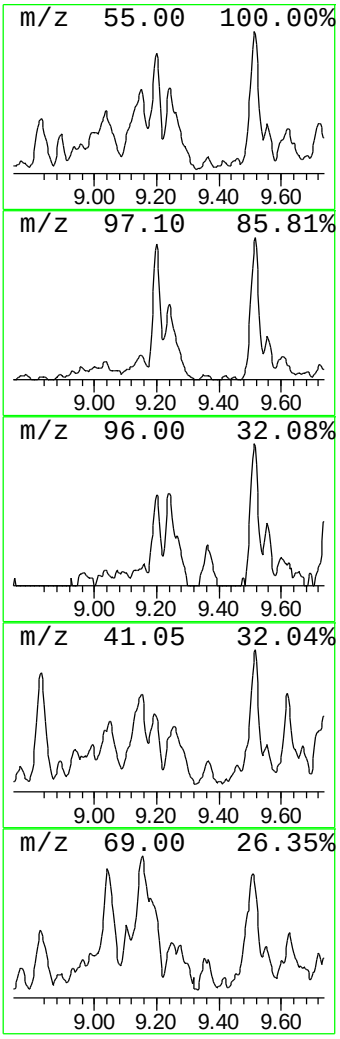
****

Peak Number 34 Oxalic acid, cyclohexylmeth... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	1.98 ug/L	25427	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	50
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	50
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	50
4	6-Decen-5-one	154	C10H18O	032064-79-2	50
5	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	50





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

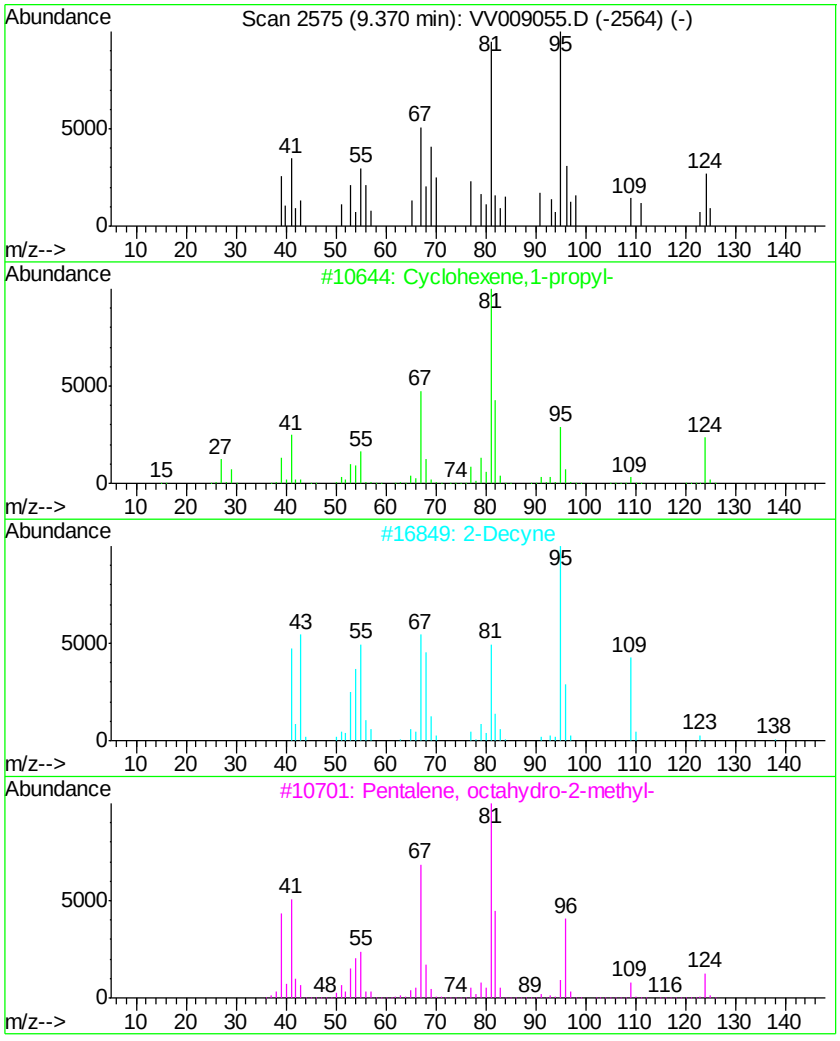
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

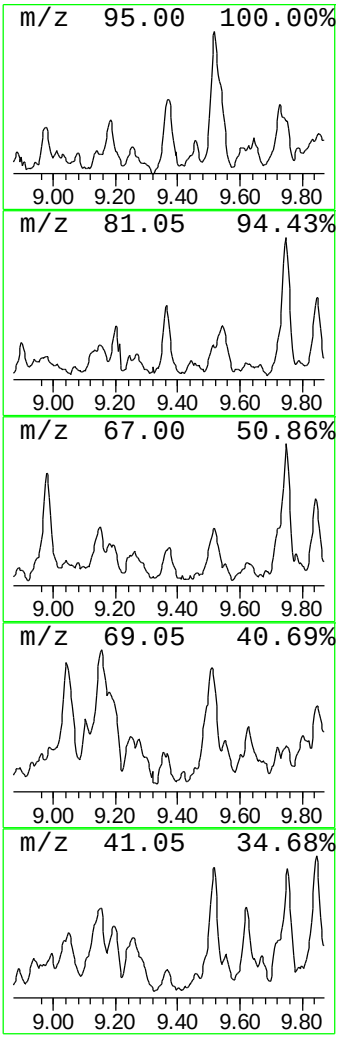
****

Peak Number 35 unknown-03 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	1.80 ug/L	23124	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	46
2	2-Decyne	138	C10H18	002384-70-5	43
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	43
4	2-Nonyne	124	C9H16	019447-29-1	43
5	Pentaleno[1,2-b]oxirene, octahyd...	124	C8H12O	055449-70-2	38





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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

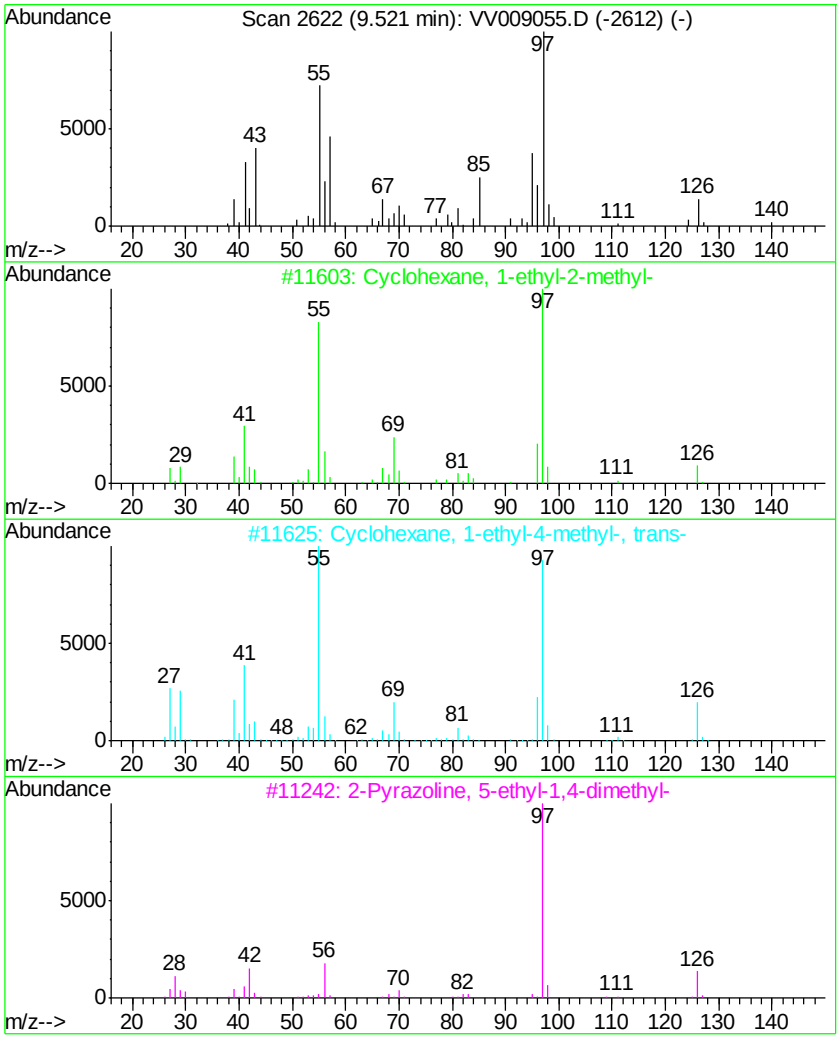
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

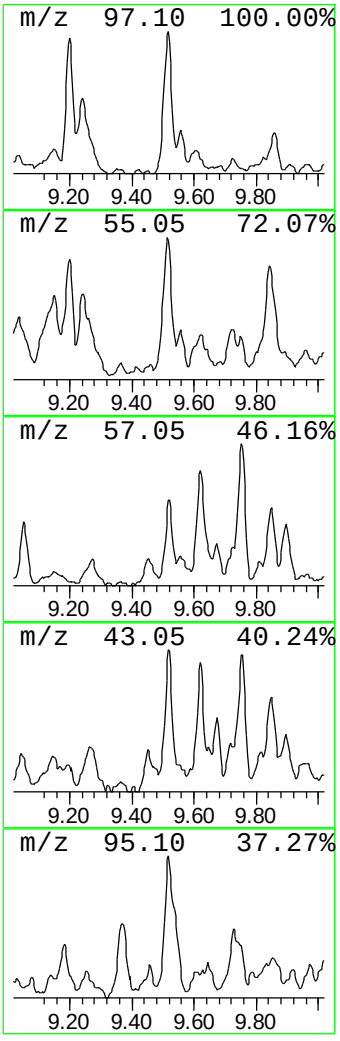
****

Peak Number 36 (DEL) Alkane: Cyclic9.52 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	5.38 ug/L	69053	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	70
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
3	2-Pyrazoline, 5-ethyl-1,4-dimethyl-	126	C7H14N2	014339-23-2	50
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	47





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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

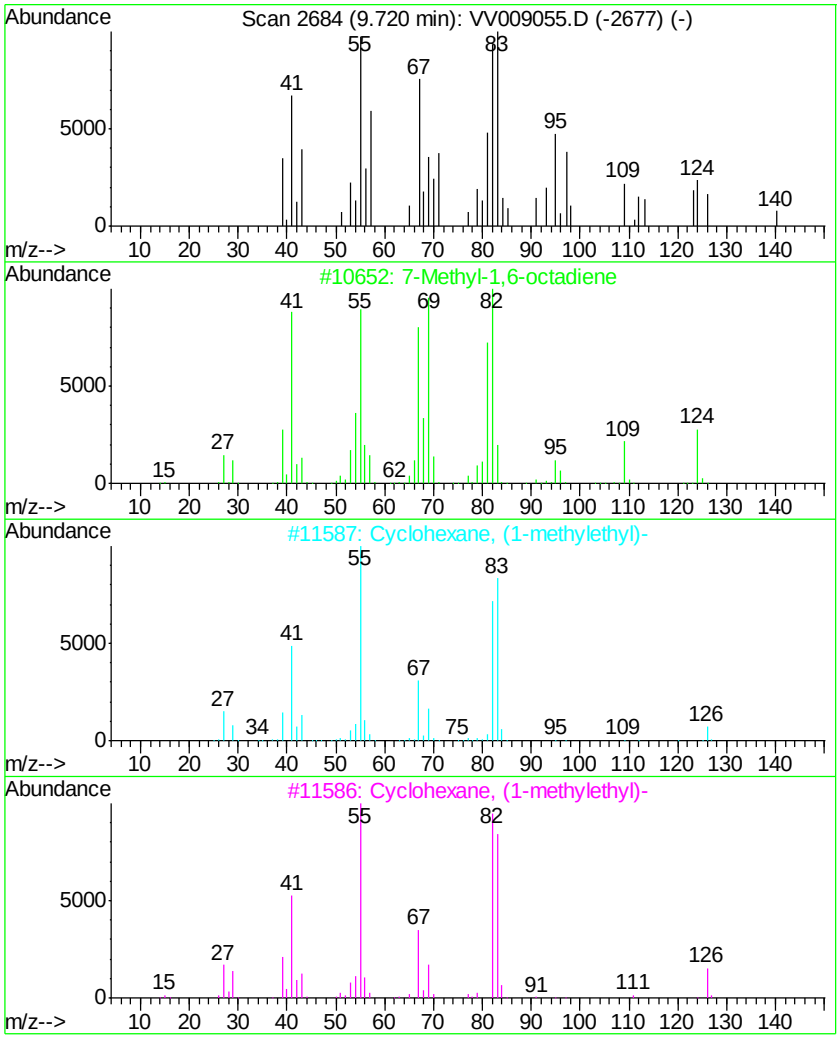
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

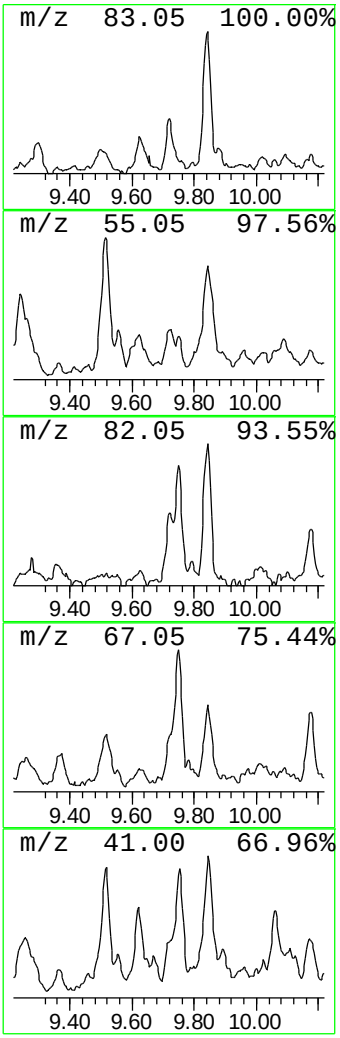
****

Peak Number 37 7-Methyl-1,6-octadiene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	2.09 ug/L	26852	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methyl-1,6-octadiene	124	C9H16	042152-47-6	55
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
5	Ethylidenecycloheptane	124	C9H16	010494-87-8	38





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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

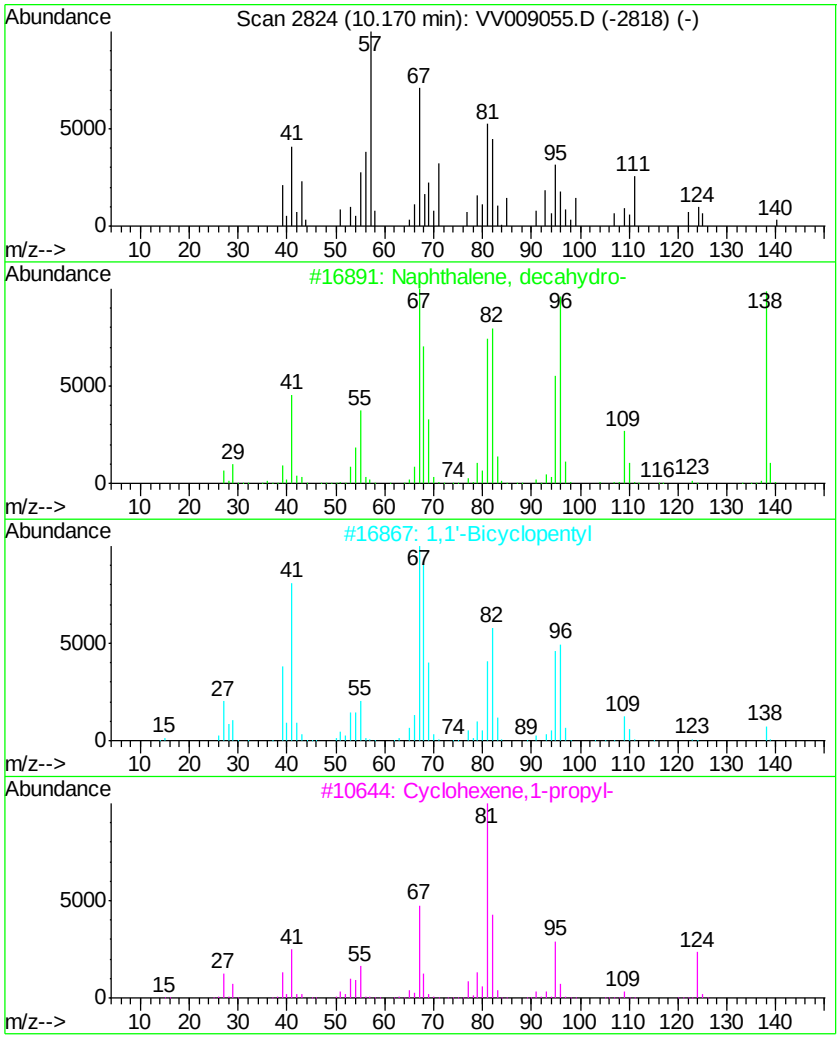
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

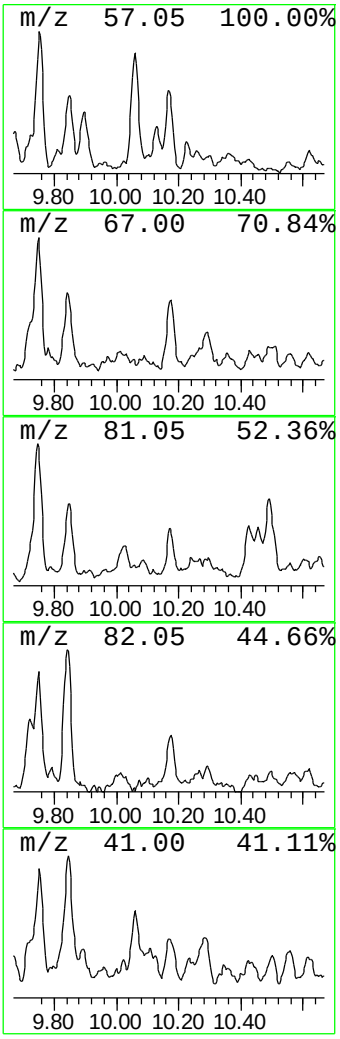
****

Peak Number 38 Naphthalene, decahydro- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	3.62 ug/L	33685	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	53
2	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	53
3	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	43
4	Cyclopentene, 1-(2-methylbutyl)-	138	C10H18	053366-53-3	38
5	Ethylidenecycloheptane	124	C9H16	010494-87-8	38





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

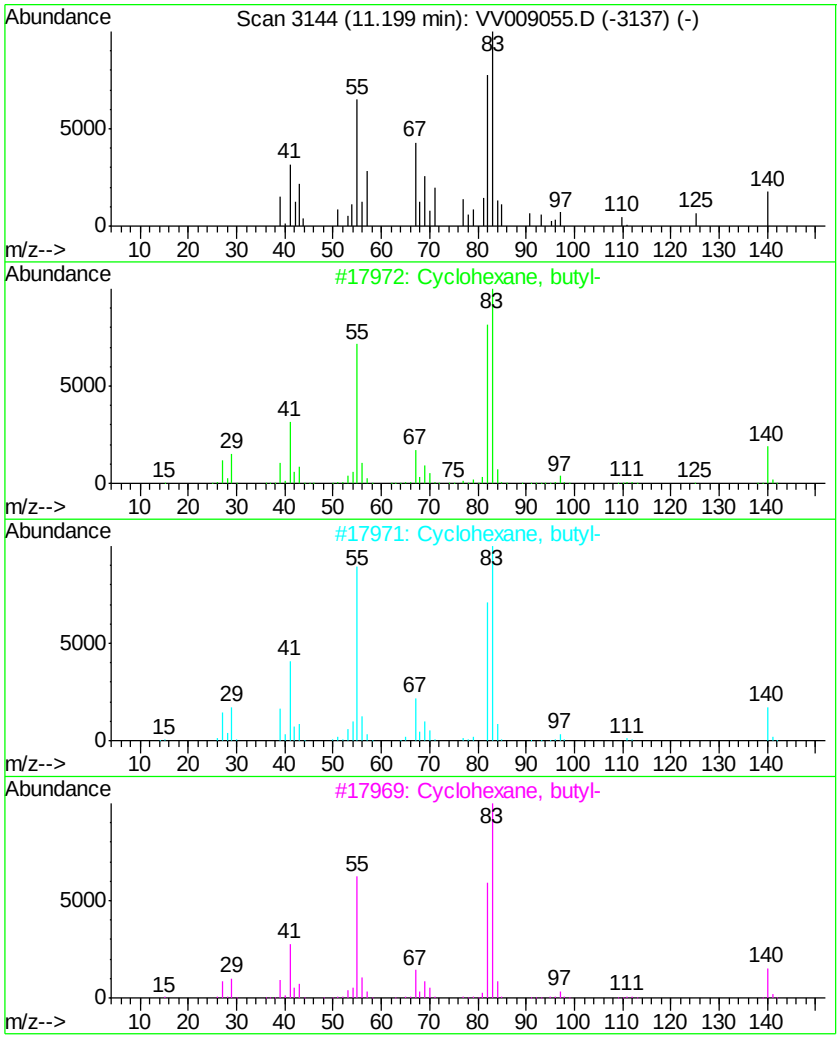
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

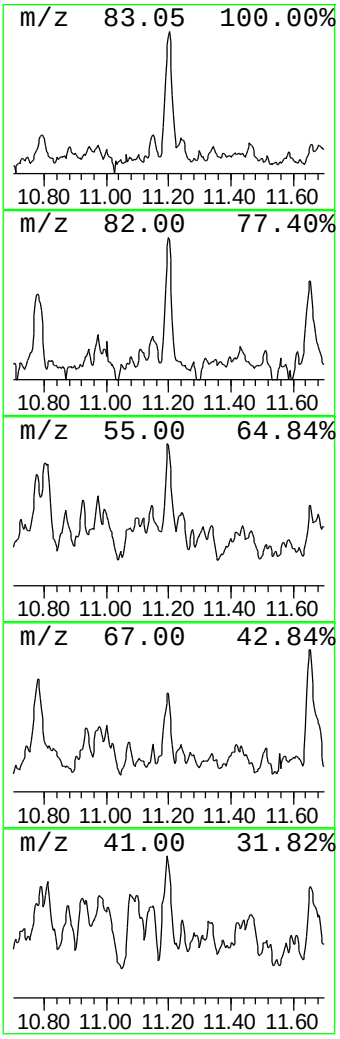
****

Peak Number 39 (DEL) Alkane: Cyclic11.20 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	1.75 ug/L	16246	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	52
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	52
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	52
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50





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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

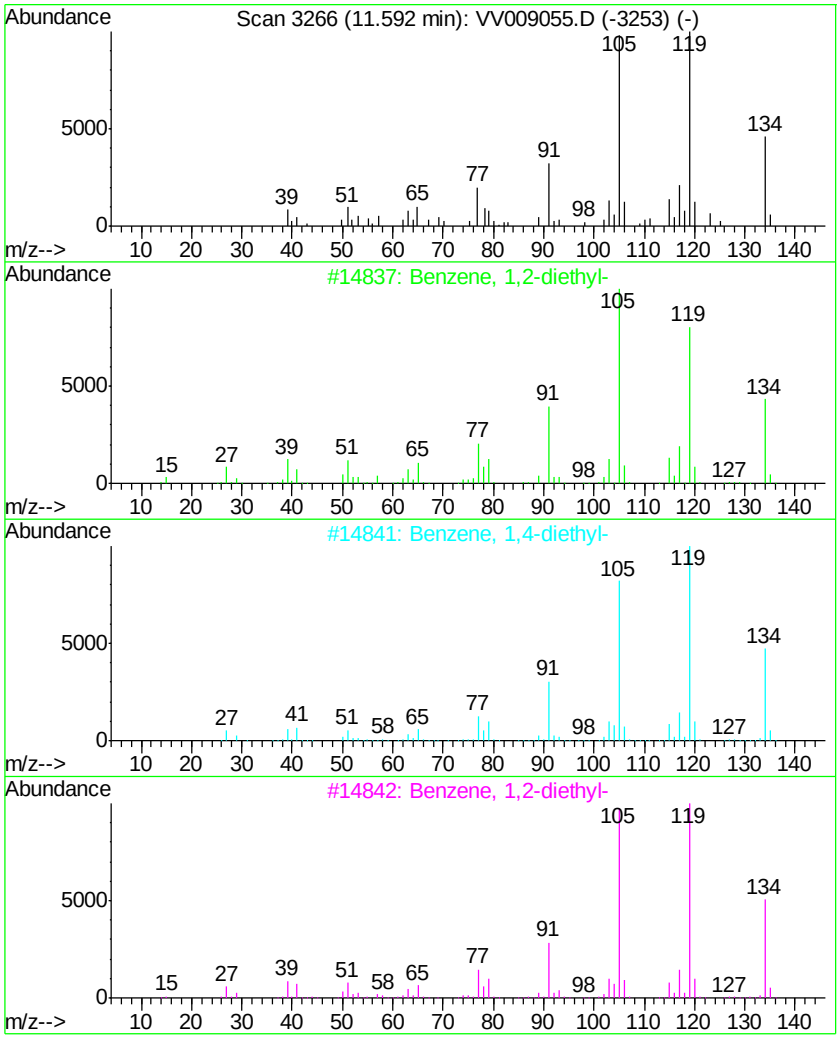
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

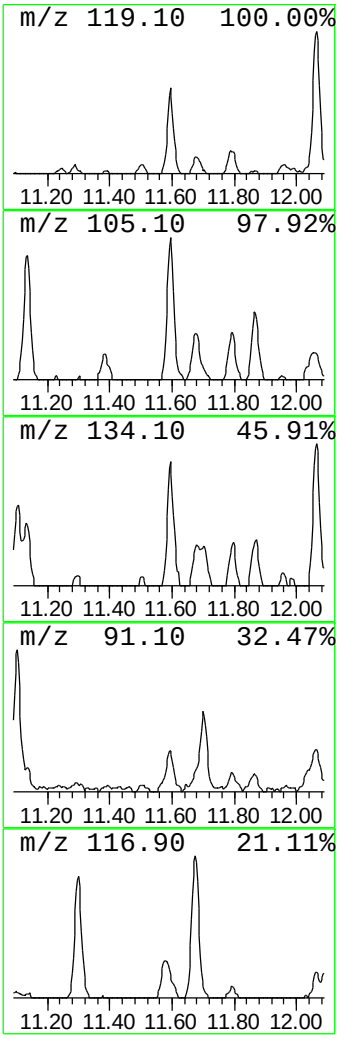
****

Peak Number 40 Benzene, 1,2-diethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	5.37 ug/L	50023	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

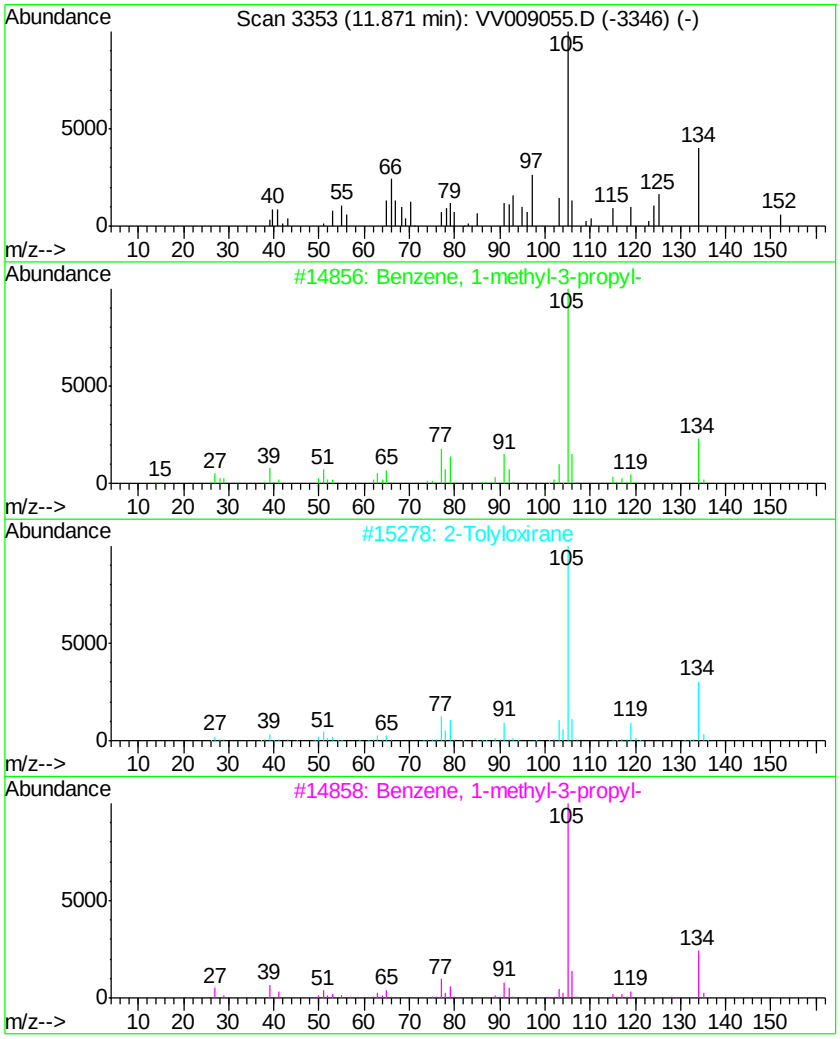
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

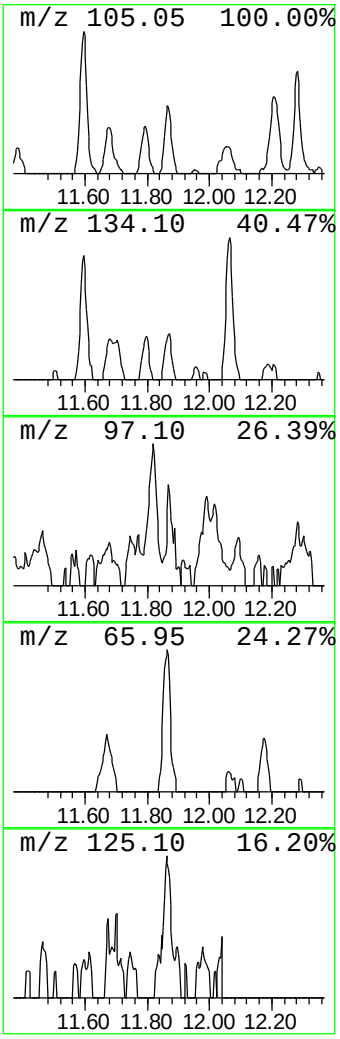
****

Peak Number 41 unknown-04 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.91 ug/L	27115	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	30
2	2-Tolyloxirane	134	C9H10O	002783-26-8	25
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	25
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	25
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	22





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

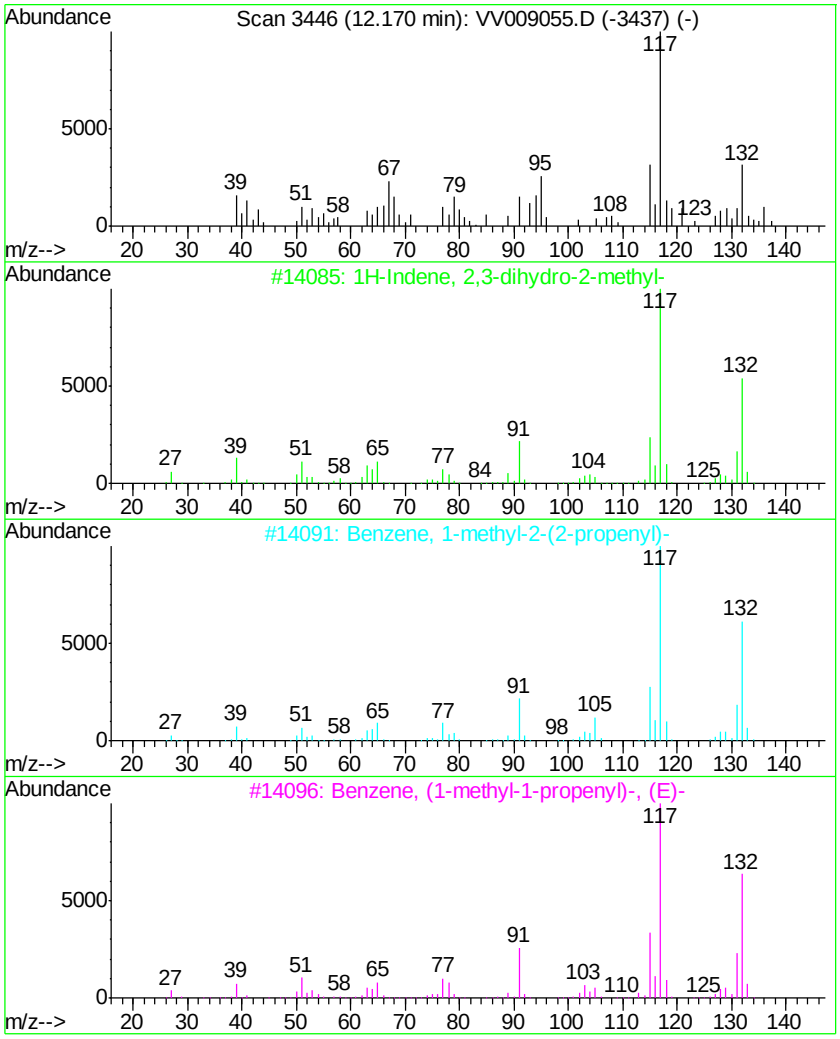
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

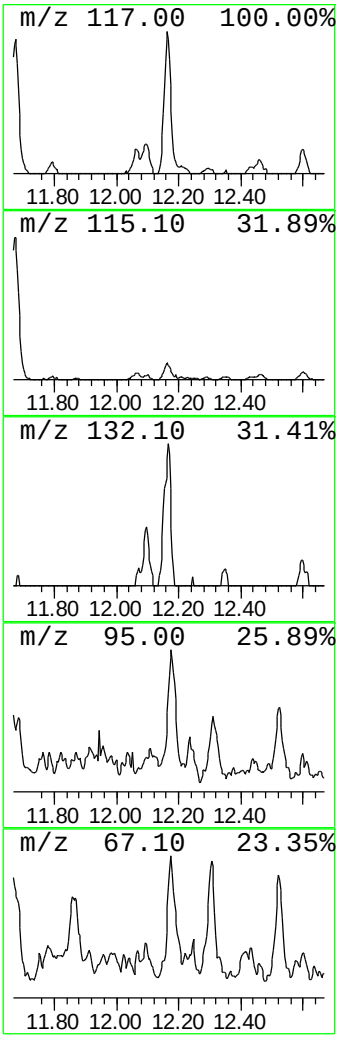
****

Peak Number 42 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	5.12 ug/L	47622	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

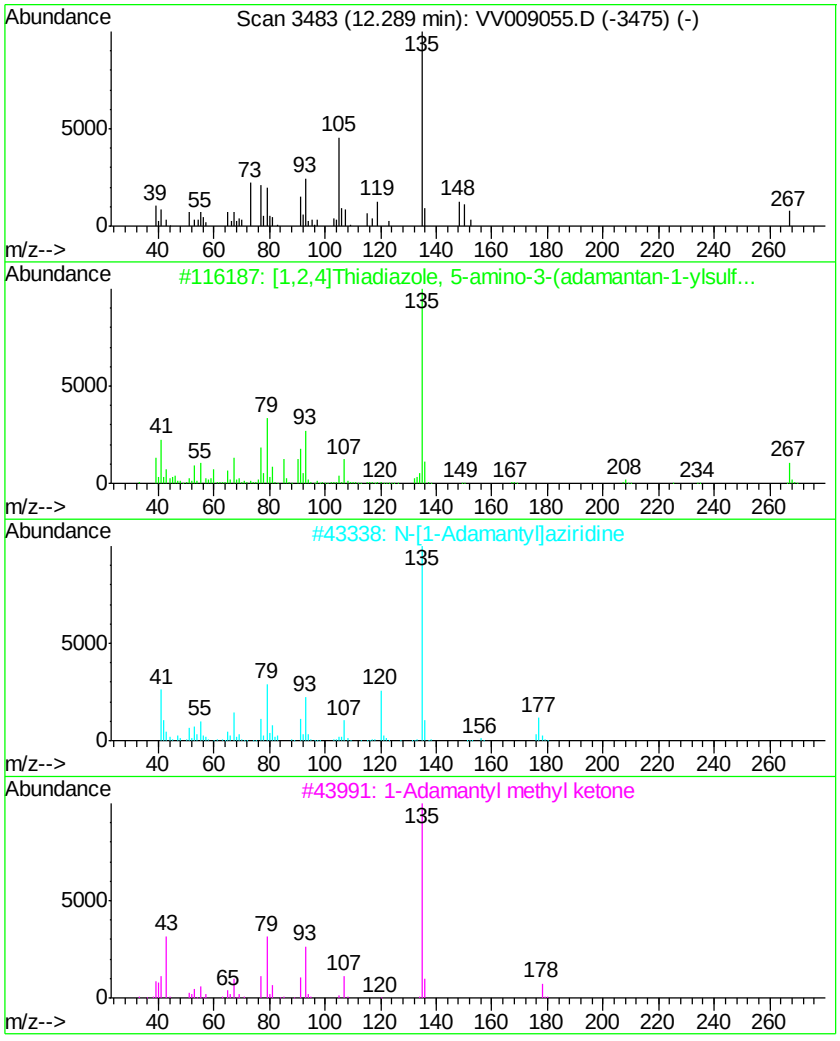
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

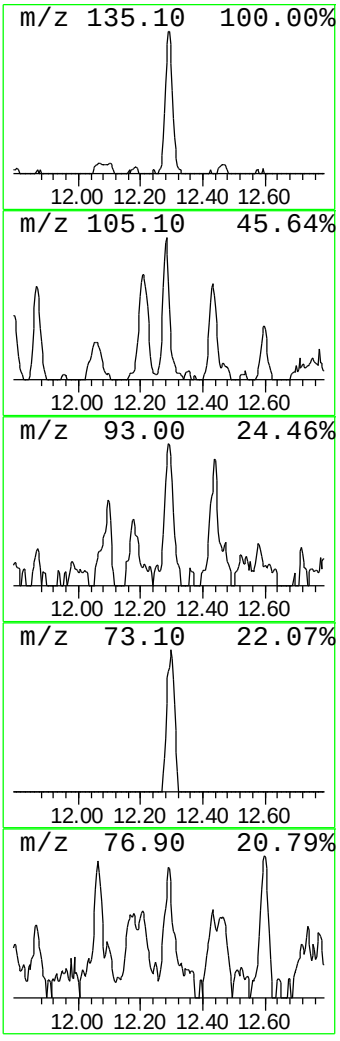
****

Peak Number 43 [1,2,4]Thiadiazole, 5-amino... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	4.71 ug/L	43881	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,2,4]Thiadiazole, 5-amino-3-(a...	267	C12H17N3S2	1000316-42-5	52
2	N-[1-Adamantyl]aziridine	177	C12H19N	1000256-62-9	50
3	1-Adamantyl methyl ketone	178	C12H18O	001660-04-4	50
4	9-Iodotricyclo[4.2.1.1(2,5)]decane	262	C10H15I	1000194-77-8	50
5	Adamantane, 1-thiocyanatomethyl-	207	C12H17NS	1000304-65-8	50





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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

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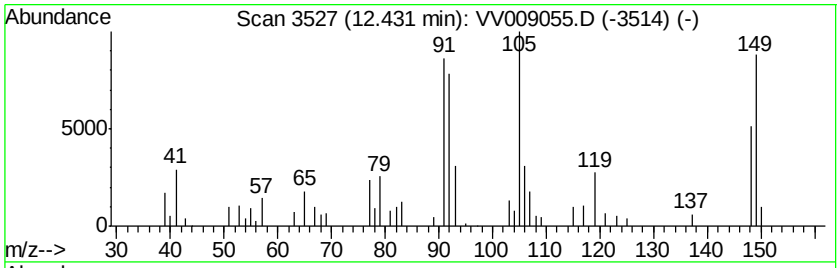
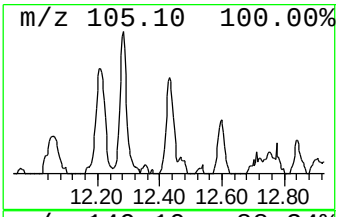
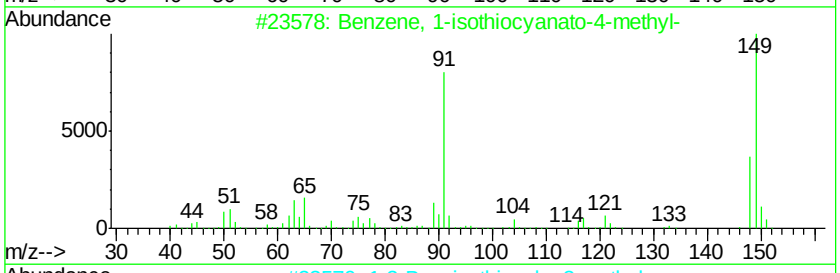
Peak Number 44 unknown-05 Concentration Rank 27

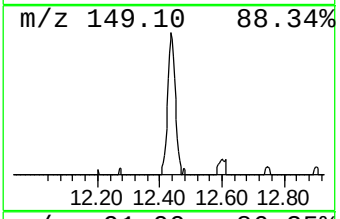
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	4.64 ug/L	43204	1,4-Dichlorobenzene-d4	11.30

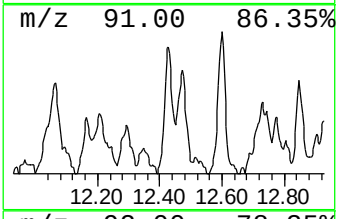
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-isothiocyanato-4-methyl-	149	C8H7NS	000622-59-3	46
2	1,2-Benzisothiazole, 3-methyl-	149	C8H7NS	006187-89-9	38
3	Benzene, 1-isothiocyanato-2-methyl-	149	C8H7NS	000614-69-7	35
4	4-Methylthieno[2,3-b]pyridine	149	C8H7NS	013362-81-7	35
5	m-Tolyl isothiocyanate	149	C8H7NS	000621-30-7	35

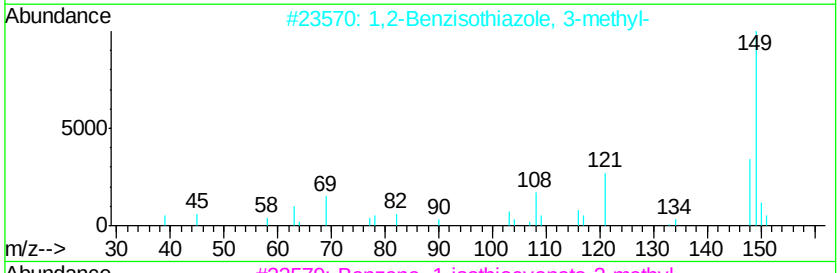


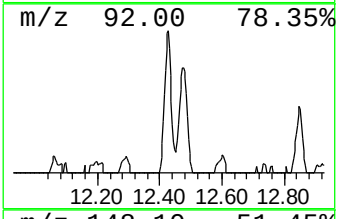


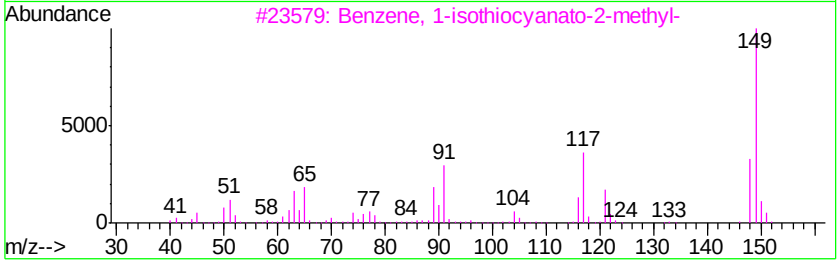


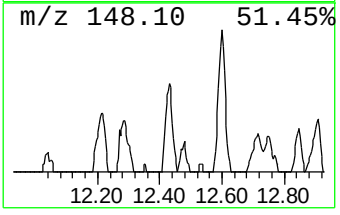












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

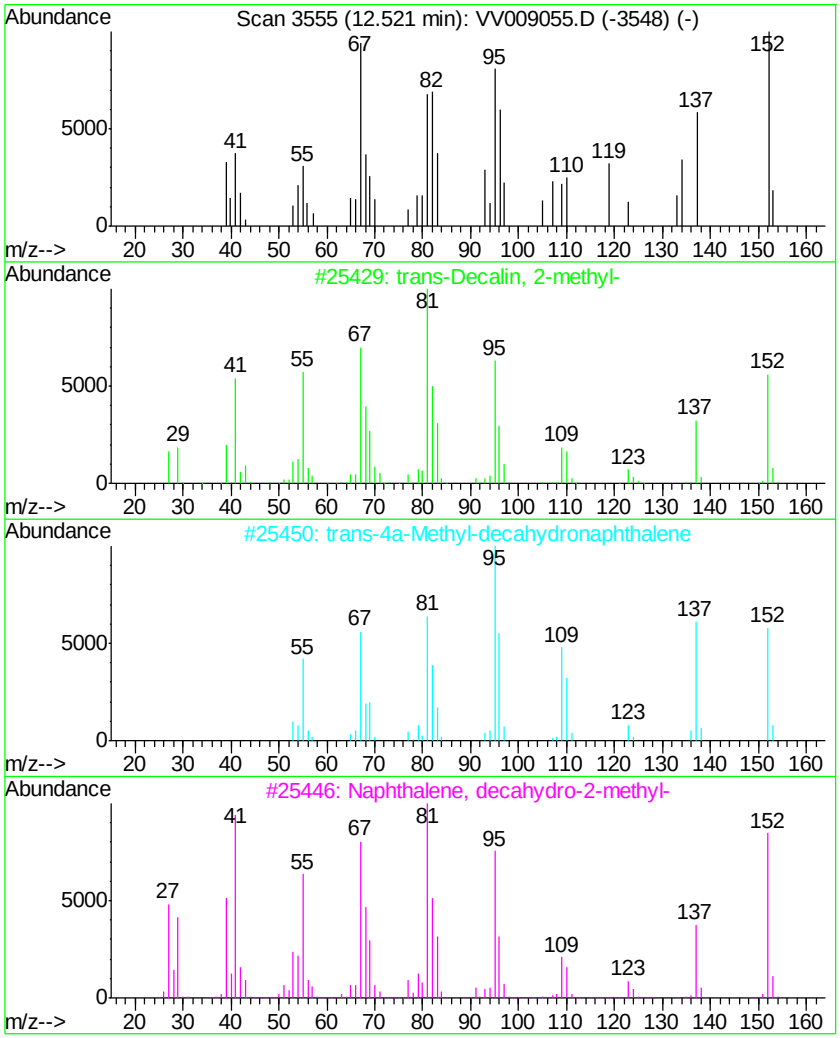
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

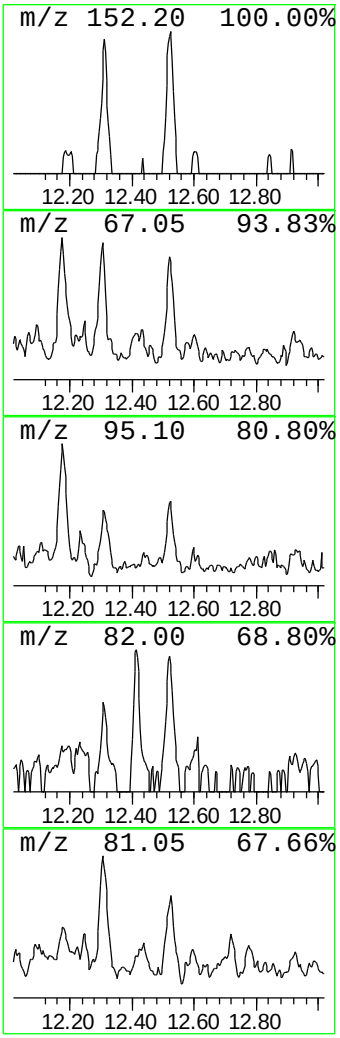
****

Peak Number 45 trans-Decalin, 2-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	1.83 ug/L	17081	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	90
2	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	87
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	70
5	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	60





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

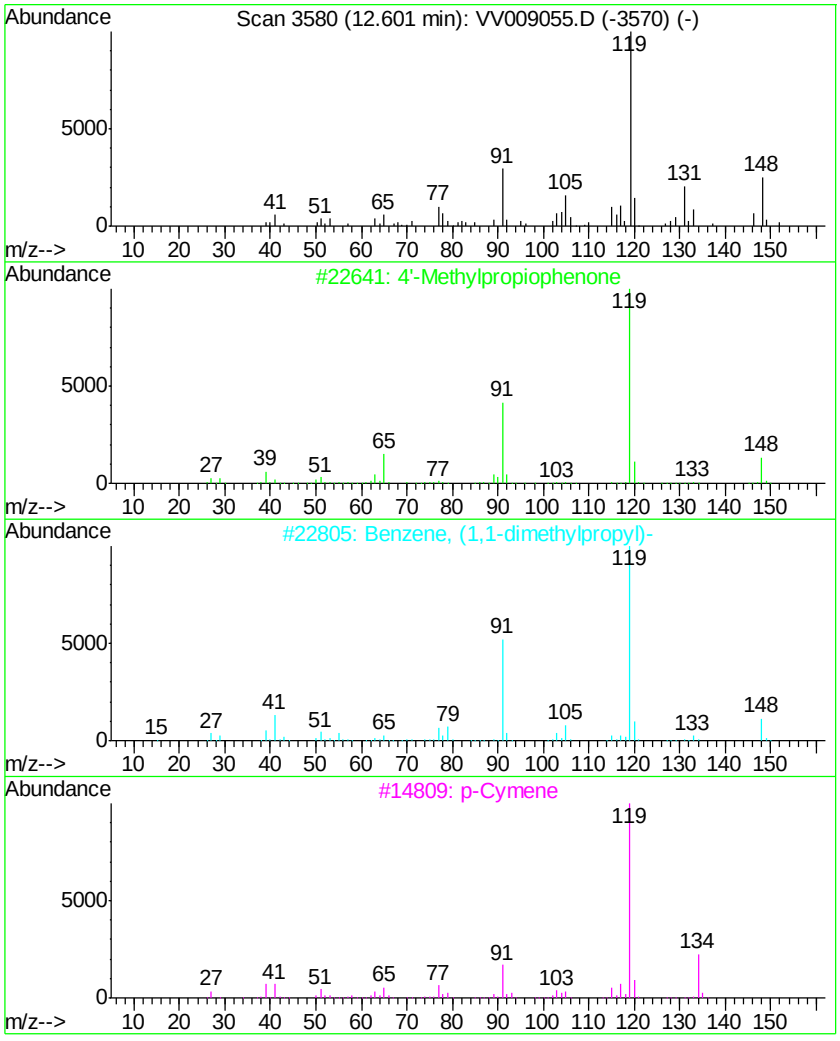
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

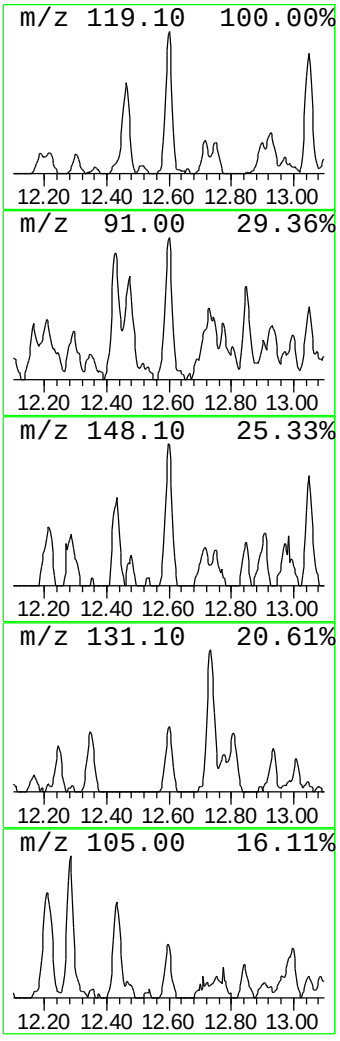
****

Peak Number 46 4'-Methylpropiophenone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	5.03 ug/L	46813	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4'-Methylpropiophenone	148	C10H12O	005337-93-9	58
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
3	p-Cymene	134	C10H14	000099-87-6	55
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	55





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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

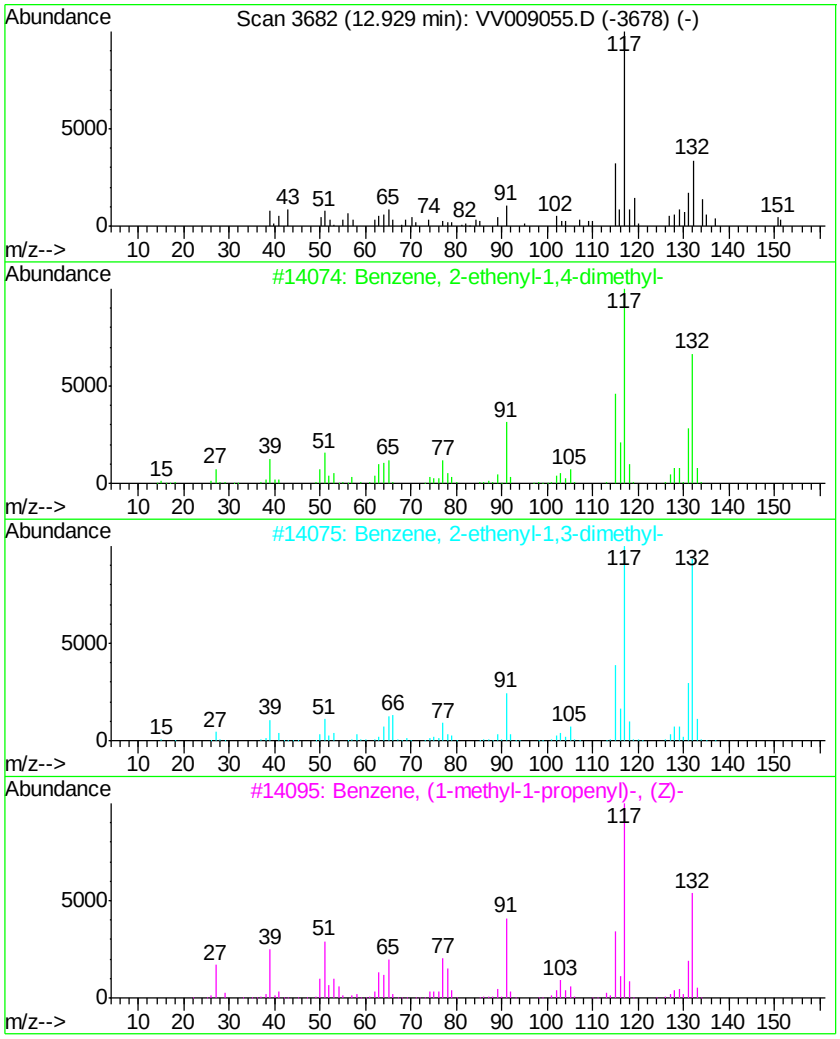
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis

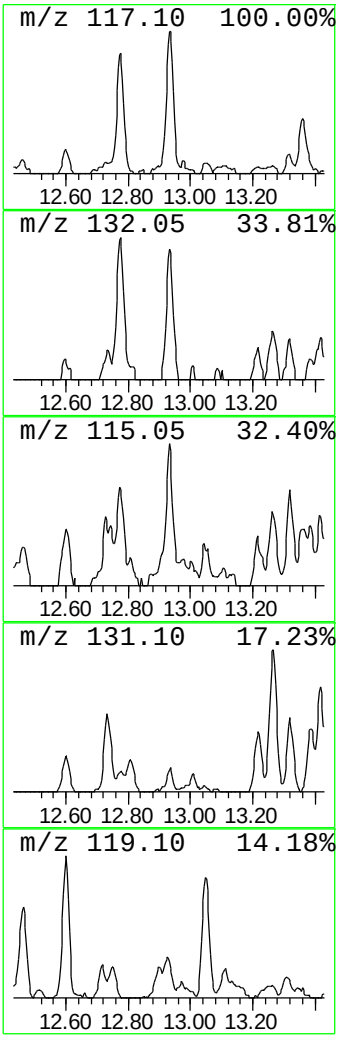
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	2.79 ug/L	25942	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	74
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	64
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	64
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

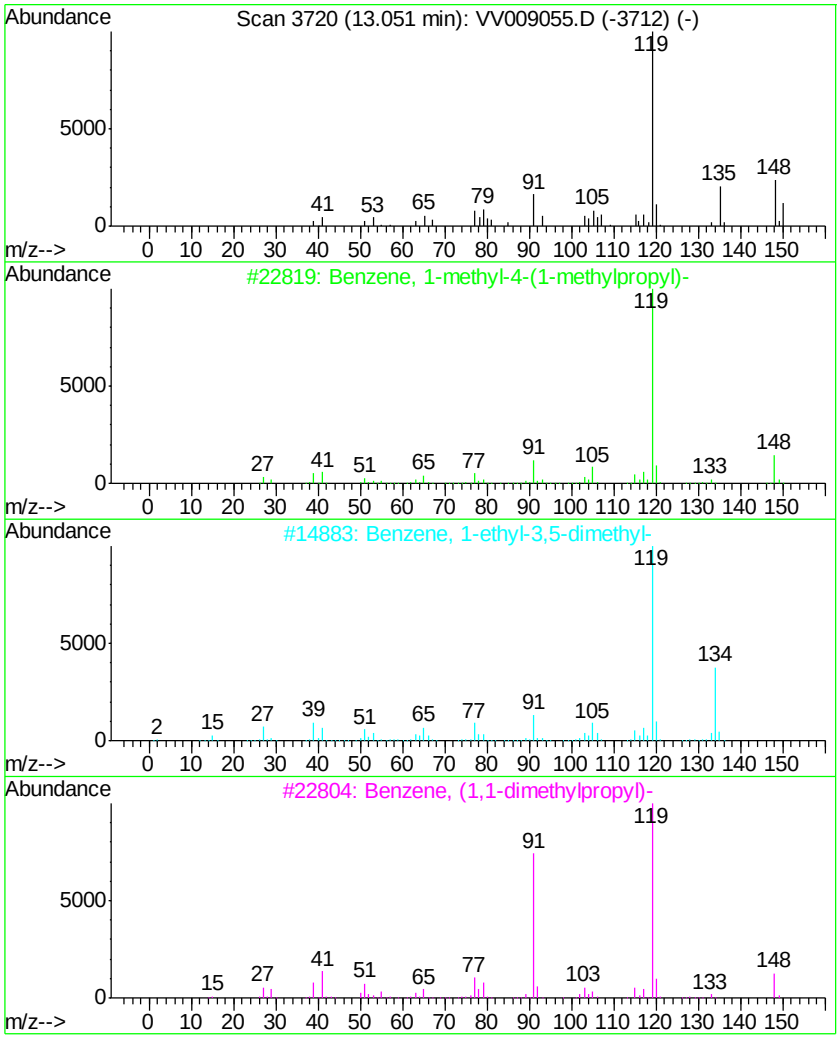
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

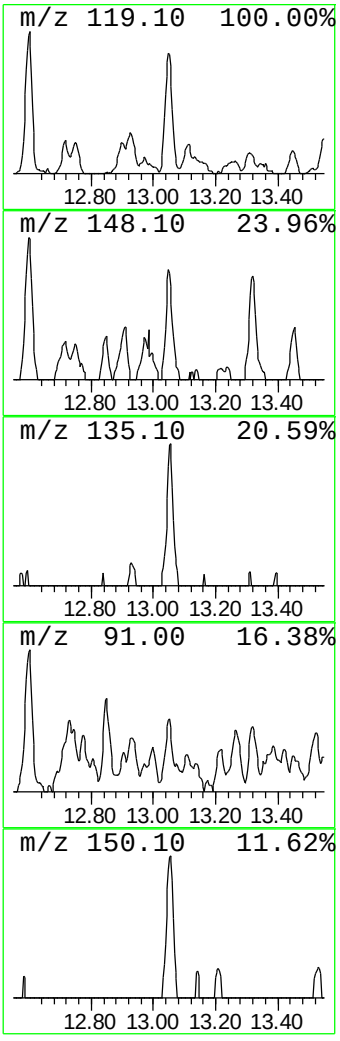
****

Peak Number 48 Benzene, 1-methyl-4-(1-meth... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	3.20 ug/L	29761	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	81
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	59
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59





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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

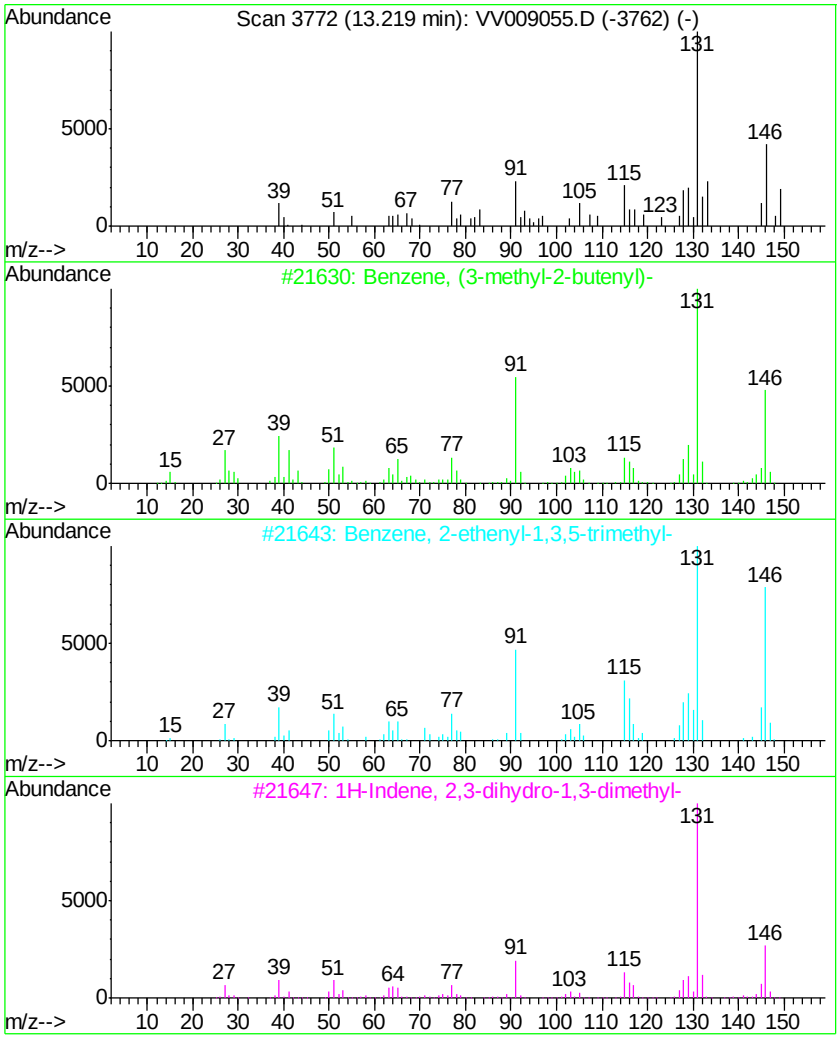
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

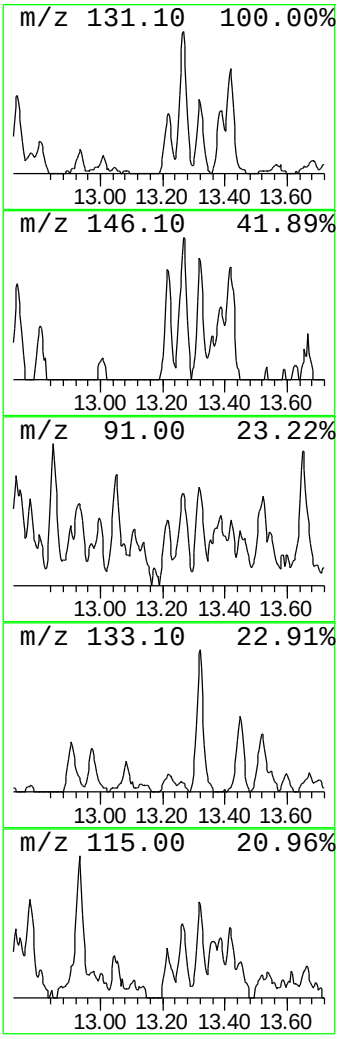
****

Peak Number 49 Benzene, (3-methyl-2-butenyl)- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.40 ug/L	22356	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	74
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	70
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	68
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

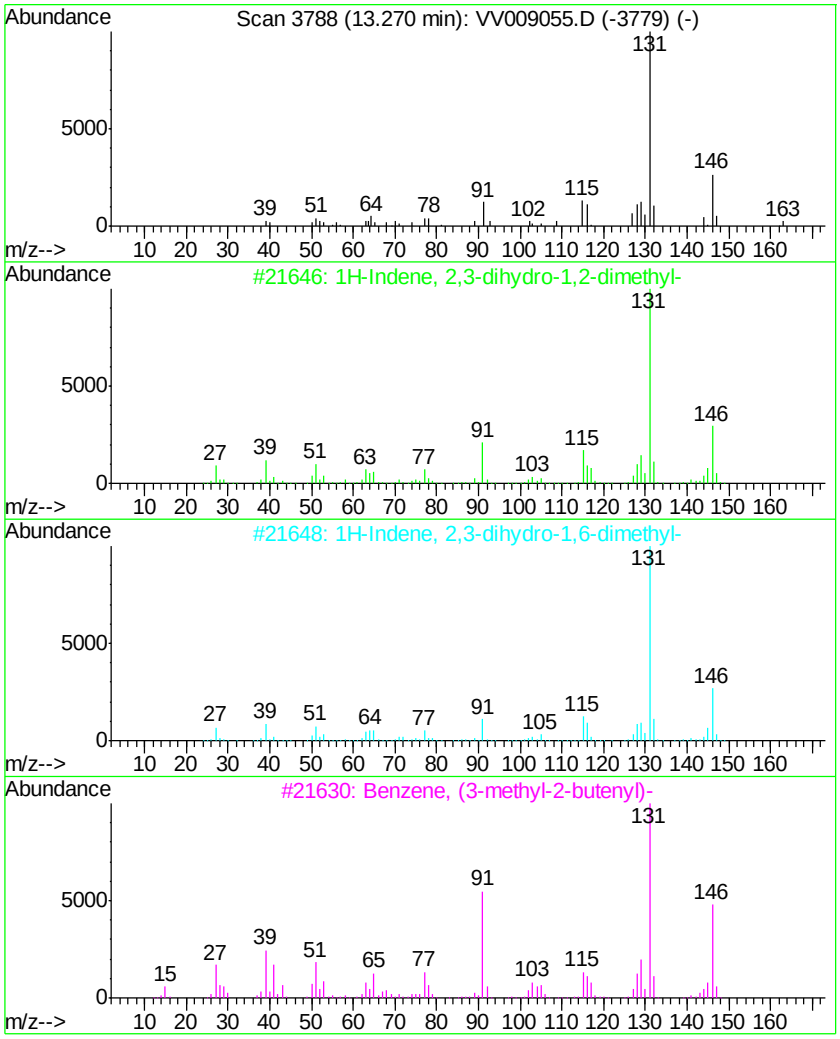
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

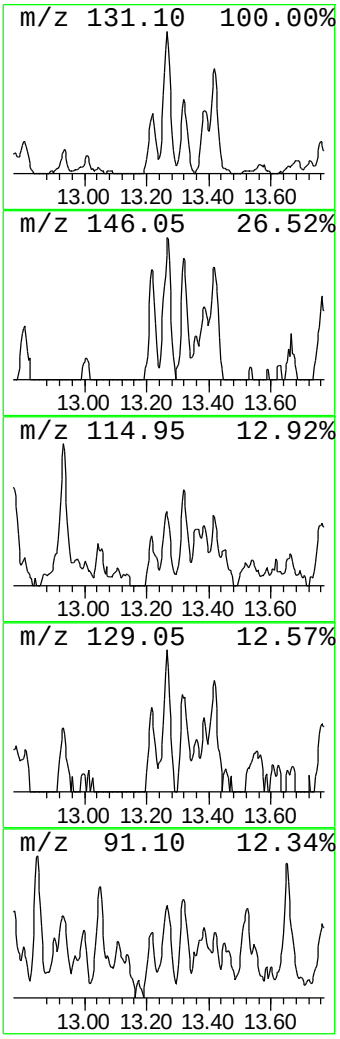
****

Peak Number 50 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.34 ug/L	31058	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





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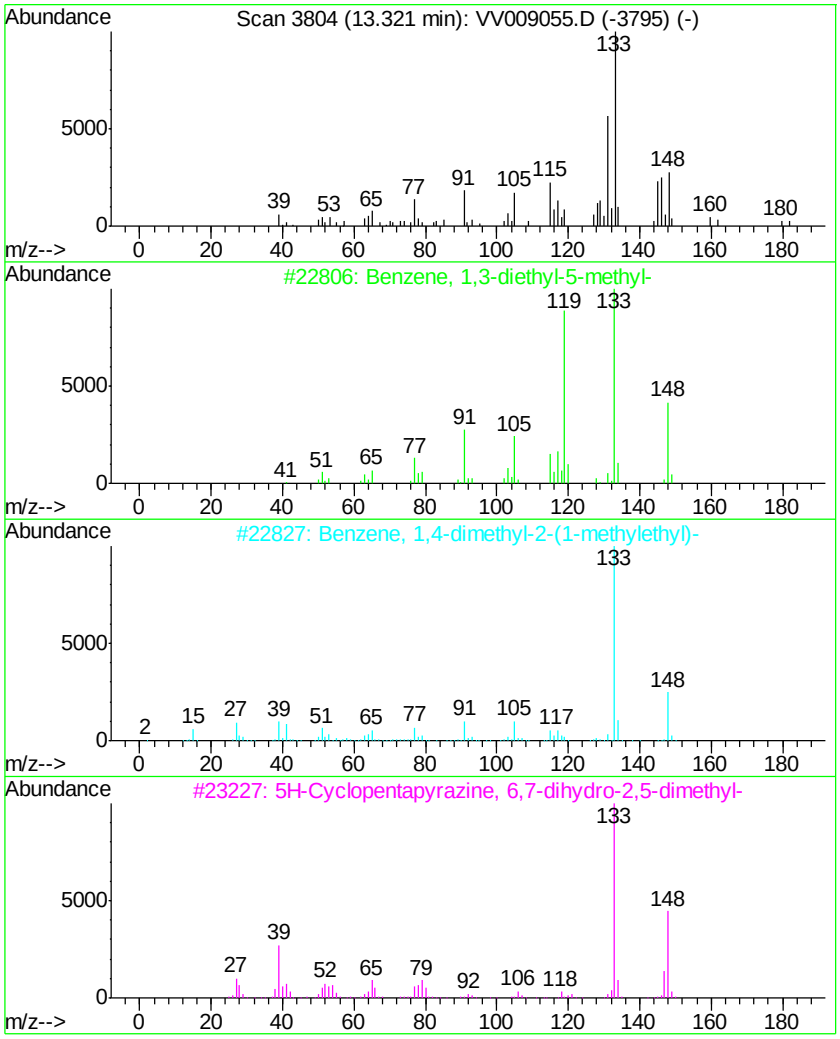
Quant Title : VOC Analysis

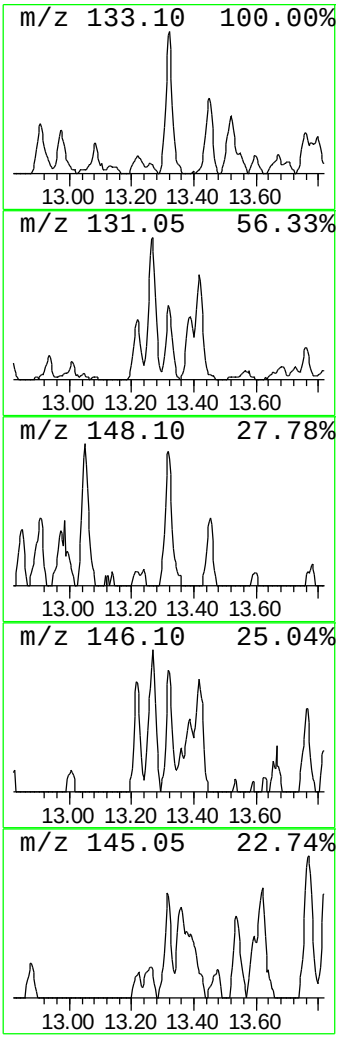
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	4.41 ug/L	41071	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
2	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	43
3	5H-Cyclopentapyrazine, 6,7-dihyd...	148	C9H12N2	038917-61-2	43
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	43
5	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	43





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

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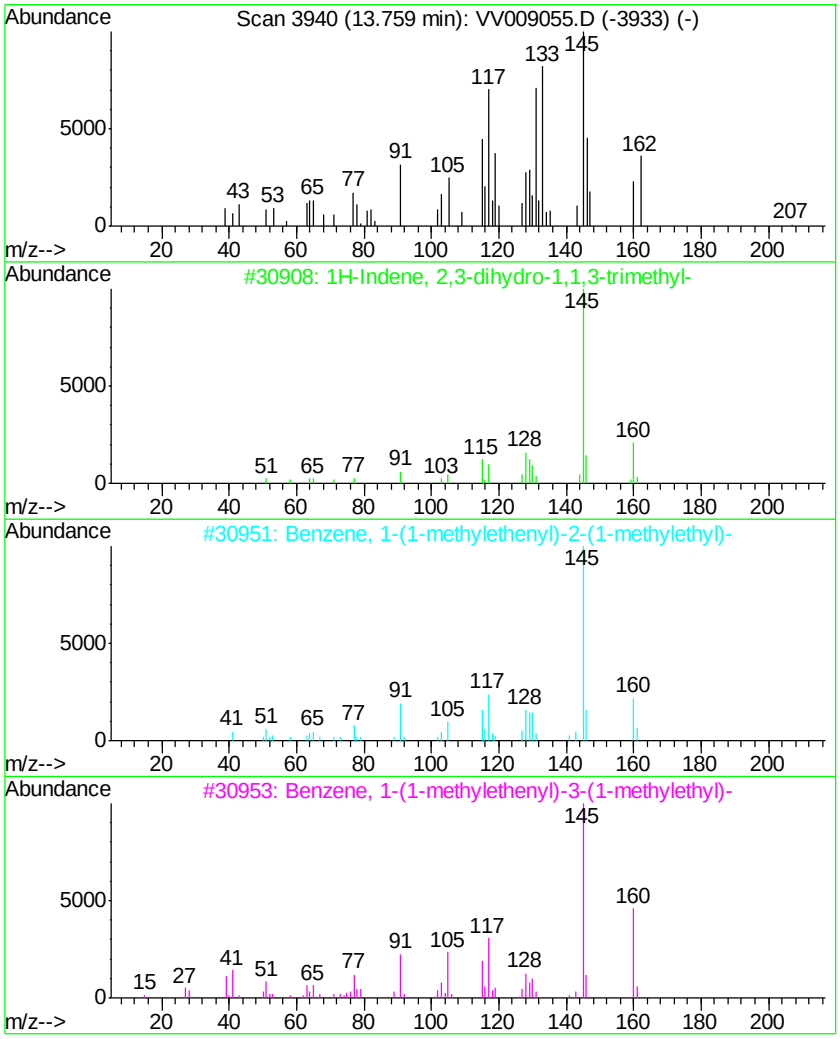
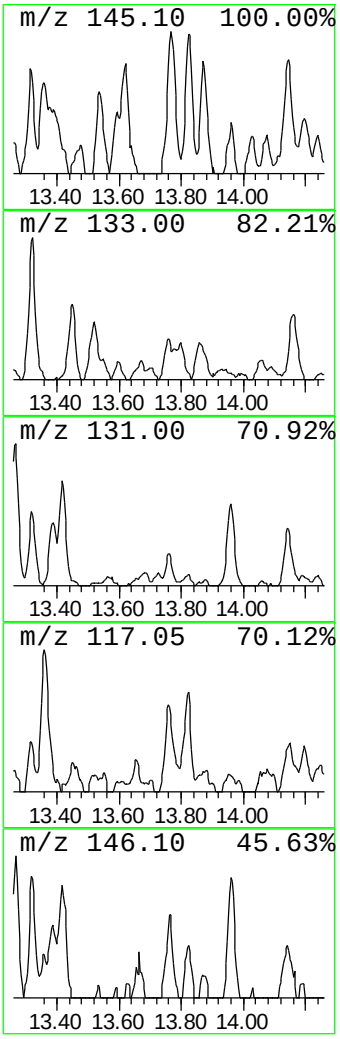
Peak Number 52 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	3.88 ug/L	36076	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	50
2	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	49
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	49
4	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	46
5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	46





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

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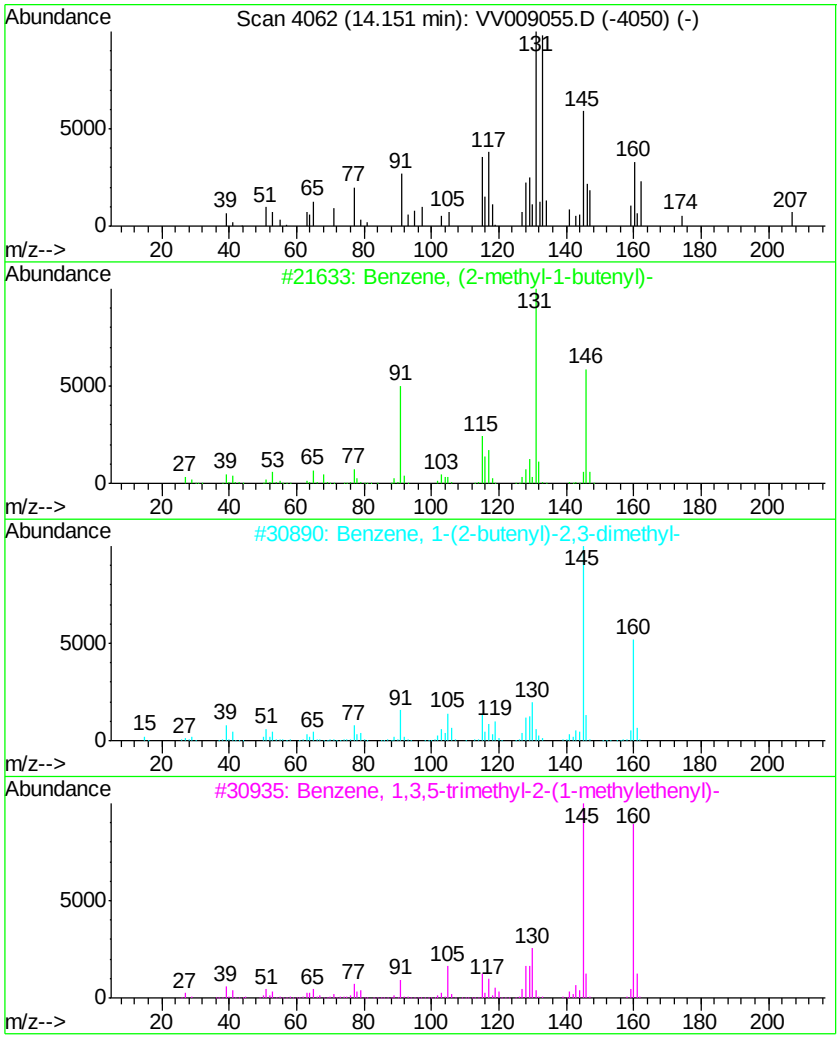
TIC Integration Parameters: LSCINT.P

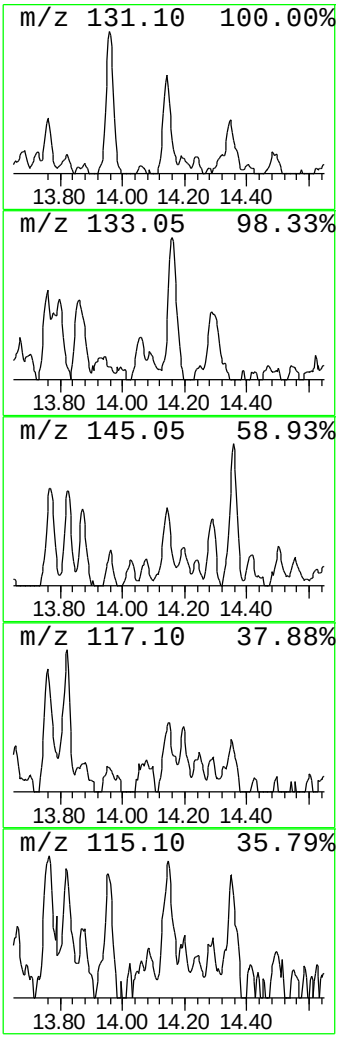
****

Peak Number 54 unknown-06 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	3.38 ug/L	31505	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	43
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	41
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	38
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	38
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38





Library Search Compound Report

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Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

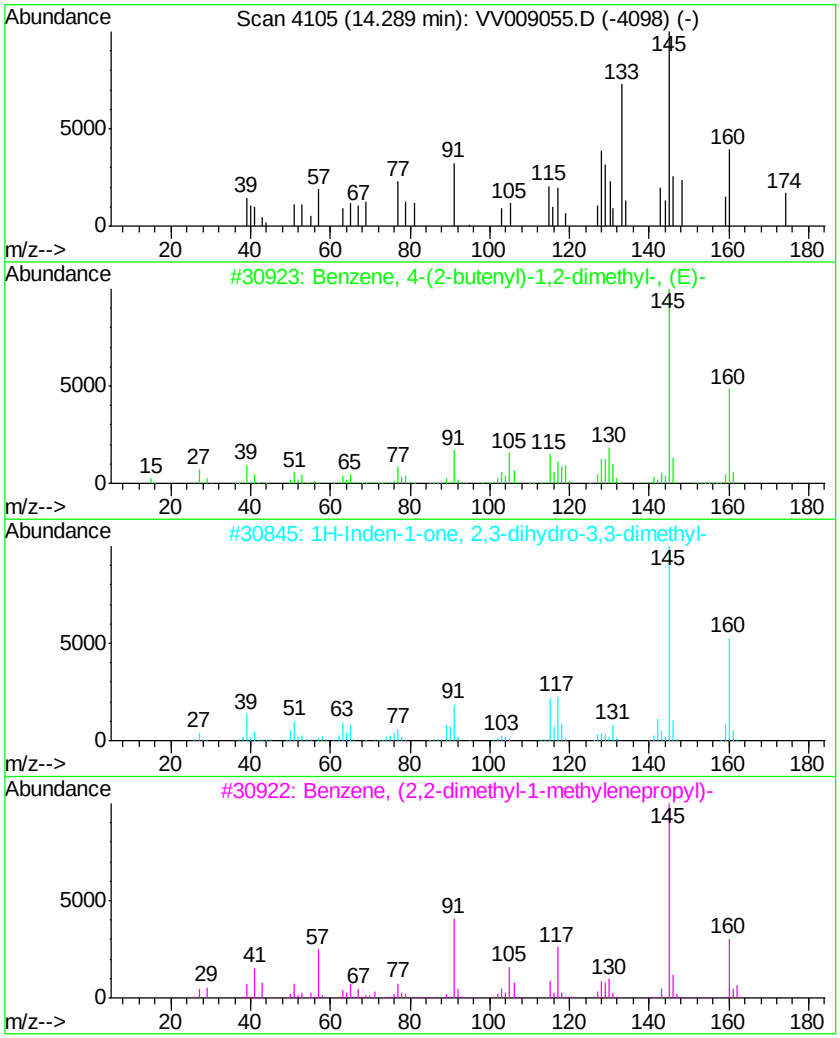
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

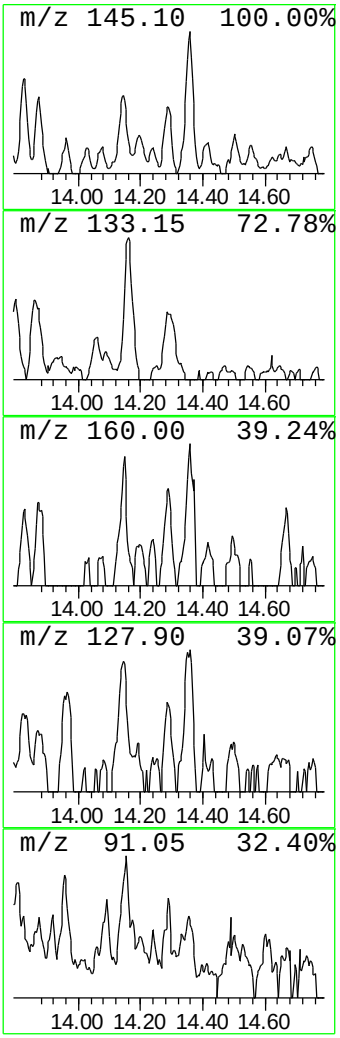
****

Peak Number 55 unknown-07 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	1.30 ug/L	12123	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	27
2	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	25
3	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	22
4	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	22
5	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	20





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121918\
Data File : VV009055.D
Acq On : 19 Dec 2018 17:07
Operator : SY/MD
Sample : J6468-03
Misc : 6.55G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0JG1

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.64	24.4	ug/L	275068	1	5.66	282011	25.0
(DEL) Alkane: Str...	1.82	5.2	ug/L	59061	1	5.66	282011	25.0
(DEL) Alkane: Cyc...	2.04	1.3	ug/L	14239	1	5.66	282011	25.0
(DEL) Alkane: Str...	2.79	16.9	ug/L	190745	1	5.66	282011	25.0
(DEL) Alkane: Cyc...	3.07	1.4	ug/L	15956	1	5.66	282011	25.0
(DEL) Alkane: Str...	3.58	2.7	ug/L	30719	1	5.66	282011	25.0
(DEL) Alkane: Str...	3.71	9.9	ug/L	111216	1	5.66	282011	25.0
(DEL) Alkane: Cyc...	3.80	4.7	ug/L	53324	1	5.66	282011	25.0
(DEL) Alkane: Str...	4.81	21.1	ug/L	238168	1	5.66	282011	25.0
(DEL) Alkane: Cyc...	4.96	2.4	ug/L	27516	1	5.66	282011	25.0
(DEL) Alkane: Cyc...	5.23	8.6	ug/L	96640	1	5.66	282011	25.0
(DEL) Alkane: Cyc...	5.37	5.1	ug/L	57586	1	5.66	282011	25.0
unknown-01	5.95	2.2	ug/L	25186	1	5.66	282011	25.0
(DEL) Alkane: Str...	6.03	1.8	ug/L	19999	1	5.66	282011	25.0
(DEL) Alkane: Str...	6.24	9.2	ug/L	104122	1	5.66	282011	25.0
(DEL) Alkane: Str...	6.30	12.1	ug/L	136533	1	5.66	282011	25.0
(DEL) Alkane: Cyc...	6.41	1.8	ug/L	20267	1	5.66	282011	25.0
(DEL) Alkane: Cyc...	6.50	10.3	ug/L	115949	1	5.66	282011	25.0
(DEL) Alkane: Str...	6.70	20.4	ug/L	230734	1	5.66	282011	25.0
(DEL) Alkane: Str...	6.82	17.8	ug/L	200861	1	5.66	282011	25.0
(DEL) Alkane: Str...	6.88	7.2	ug/L	80849	1	5.66	282011	25.0
(DEL) Alkane: Str...	7.16	5.5	ug/L	62075	1	5.66	282011	25.0
(DEL) Alkane: Cyc...	7.31	16.4	ug/L	210619	2	8.90	320696	25.0
(DEL) Alkane: Cyc...	7.48	4.7	ug/L	59722	2	8.90	320696	25.0
(DEL) Alkane: Cyc...	7.83	7.8	ug/L	100257	2	8.90	320696	25.0
5,5-Dimethyl-1,3-...	7.89	3.1	ug/L	39420	2	8.90	320696	25.0
(DEL) Alkane: Str...	8.02	3.4	ug/L	43751	2	8.90	320696	25.0
(DEL) Alkane: Str...	8.25	7.1	ug/L	91575	2	8.90	320696	25.0
(DEL) Alkane: Cyc...	8.40	4.3	ug/L	54574	2	8.90	320696	25.0
unknown-02	8.55	2.9	ug/L	37589	2	8.90	320696	25.0
(DEL) Alkane: Str...	8.61	2.2	ug/L	28227	2	8.90	320696	25.0
(DEL) Alkane: Str...	8.83	4.9	ug/L	62549	2	8.90	320696	25.0
Oxalic acid, cycl...	9.24	2.0	ug/L	25427	2	8.90	320696	25.0
unknown-03	9.37	1.8	ug/L	23124	2	8.90	320696	25.0
(DEL) Alkane: Cyc...	9.52	5.4	ug/L	69053	2	8.90	320696	25.0
7-Methyl-1,6-octa...	9.72	2.1	ug/L	26852	2	8.90	320696	25.0
Naphthalene, deca...	10.17	3.6	ug/L	33685	3	11.30	232721	25.0
(DEL) Alkane: Cyc...	11.20	1.8	ug/L	16246	3	11.30	232721	25.0
Benzene, 1,2-diet...	11.59	5.4	ug/L	50023	3	11.30	232721	25.0
unknown-04	11.87	2.9	ug/L	27115	3	11.30	232721	25.0
1H-Indene, 2,3-di...	12.17	5.1	ug/L	47622	3	11.30	232721	25.0
[1,2,4]Thiadiazol...	12.29	4.7	ug/L	43881	3	11.30	232721	25.0
unknown-05	12.43	4.6	ug/L	43204	3	11.30	232721	25.0
trans-Decalin, 2-...	12.52	1.8	ug/L	17081	3	11.30	232721	25.0
4'-Methylpropioph...	12.60	5.0	ug/L	46813	3	11.30	232721	25.0
Benzene, 2-etheny...	12.93	2.8	ug/L	25942	3	11.30	232721	25.0
Benzene, 1-methyl...	13.05	3.2	ug/L	29761	3	11.30	232721	25.0
Benzene, (3-methy...	13.22	2.4	ug/L	22356	3	11.30	232721	25.0
1H-Indene, 2,3-di...	13.27	3.3	ug/L	31058	3	11.30	232721	25.0

Benzene, 1,3-diet...	13.32	4.4	ug/L	41071	3	11.30	232721	25.0
1H-Indene, 2,3-di...	13.76	3.9	ug/L	36076	3	11.30	232721	25.0
unknown-06	14.15	3.4	ug/L	31505	3	11.30	232721	25.0
unknown-07	14.29	1.3	ug/L	12123	3	11.30	232721	25.0

Instrument :
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ClientSampleId :
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