LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

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_W\METHOD\SOM2WLM101819S.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	1.959	5	9	18	rVB4	20386	44628	3.68%	0.264%
2	2.355	65	74	86	rVV	77068	168621	13.91%	0.996%
3	2.453	86	90	93	rVV5	2403	3588	0.30%	0.021%
4	2.489	93	96	104	rVB2	9095	15757	1.30%	0.093%
5	2.885	152	161	176	rBV2	46567	119642	9.87%	0.706%
6	3.026	176	184	200	rVV	74037	202000	16.66%	1.193%
7	3.385	235	243	257	rBV	63928	179385	14.80%	1.059%
8	3.580	269	275	286	rVB3	8086	21909	1.81%	0.129%
9	3.757	294	304	312	rBV4	3123	8605	0.71%	0.051%
10	3.849	312	319	327	rBV3	8916	23922	1.97%	0.141%
11	4.019	336	347	358	rBV	110594	361644	29.83%	2.135%
12	4.117	358	363	377	rVB	18607	57122	4.71%	0.337%
13	4.385	397	407	420	rBV3	7182	21647	1.79%	0.128%
14	4.666	447	453	455	rBV	3047	5447	0.45%	0.032%
15	4.769	462	470	471	rBV5	2356	4004	0.33%	0.024%
16	4.958	478	501	529	rBV	140810	703341	58.02%	4.153%
17	5.428	563	578	597	rBV	104363	397969	32.83%	2.350%
18	5.763	622	633	636	rBV6	5427	16461	1.36%	0.097%
19	5.940	650	662	677	rVB2	95278	284129	23.44%	1.678%
20	6.104	679	689	697	rBV5	3708	11305	0.93%	0.067%
21	6.220	700	708	713	rBV6	4618	13751	1.13%	0.081%
22	6.281	715	718	729	rVB4	5058	12250	1.01%	0.072%
23	6.428	732	742	751	rBV5	7427	24382	2.01%	0.144%
24	6.720	780	790	800	rBV5	12760	42042	3.47%	0.248%
25	6.873	805	815	823	rBV5	29206	100502	8.29%	0.593%
26	6.982	823	833	842	rVV	205410	602411	49.69%	3.557%
27	7.074	842	848	856	rVB	40022	96526	7.96%	0.570%
28	7.251	869	877	892	rVB3	76431	194615	16.05%	1.149%
29	7.647	929	942	960	rBV	171228	466653	38.49%	2.755%
30	7.927	978	988	999	rVV3	184874	733822	60.53%	4.333%
31	8.031	999	1005	1016	rVV2	93753	257572	21.25%	1.521%
32	8.153	1016	1025	1032	rVV	269436	607338	50.10%	3.586%
33	8.220	1032	1036	1037	rVV2	30581	50196	4.14%	0.296%
34	8.275	1038	1045	1060	rVB2	349377	1070843	88.33%	6.323%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

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_W\METHOD\SOM2WLM101819S.M
Title : VOC Analysis

35	8.433	1060	1071	1076	rBV2	129696	348187	28.72%	2.056%
36	8.506	1076	1083	1088	rVV4	120825	340145	28.06%	2.008%
37	8.573	1088	1094	1106	rVB	152551	365540	30.15%	2.158%
38	8.695	1106	1114	1128	rVB	75139	165030	13.61%	0.974%
39	8.842	1128	1138	1150	rBV	323853	677456	55.88%	4.000%
40	8.933	1150	1153	1158	rVB4	4537	6823	0.56%	0.040%
41	8.994	1158	1163	1168	rBV3	6997	13599	1.12%	0.080%
42	9.116	1179	1183	1184	rBV4	2971	3479	0.29%	0.021%
43	9.275	1200	1209	1214	rBV3	262891	677246	55.87%	3.999%
44	9.336	1214	1219	1225	rVB	370887	761955	62.85%	4.499%
45	9.512	1237	1248	1254	rBV	64931	127116	10.49%	0.751%
46	9.604	1254	1263	1271	rVV	68973	153314	12.65%	0.905%
47	9.665	1271	1273	1278	rVV6	5383	10634	0.88%	0.063%
48	9.750	1280	1287	1300	rVB3	90096	201987	16.66%	1.193%
49	9.896	1300	1311	1315	rBV2	54121	115140	9.50%	0.680%
50	9.957	1315	1321	1324	rVV3	70869	150045	12.38%	0.886%
51	9.988	1324	1326	1329	rVV	52145	75847	6.26%	0.448%
52	10.037	1329	1334	1338	rVV	128627	244318	20.15%	1.443%
53	10.091	1338	1343	1357	rVB3	109571	279475	23.05%	1.650%
54	10.207	1357	1362	1363	rBV3	12485	15859	1.31%	0.094%
55	10.244	1364	1368	1373	rVB3	22381	41075	3.39%	0.243%
56	10.323	1373	1381	1395	rBV	612745	1212254	100.00%	7.158%
57	10.445	1396	1401	1404	rVV3	26157	44809	3.70%	0.265%
58	10.500	1404	1410	1417	rVB3	88426	207395	17.11%	1.225%
59	10.579	1417	1423	1428	rBV	93130	172815	14.26%	1.020%
60	10.665	1432	1437	1441	rVV	65606	115193	9.50%	0.680%
61	10.701	1441	1443	1447	rVB	14305	17689	1.46%	0.104%
62	10.762	1447	1453	1458	rBV2	45099	80774	6.66%	0.477%
63	10.847	1463	1467	1472	rVB2	18089	30773	2.54%	0.182%
64	10.927	1472	1480	1486	rBV2	198439	370493	30.56%	2.188%
65	10.994	1488	1491	1492	rBV3	5021	5831	0.48%	0.034%
66	11.030	1494	1497	1500	rBV3	11566	16049	1.32%	0.095%
67	11.103	1506	1509	1512	rVB2	9135	11189	0.92%	0.066%
68	11.177	1517	1521	1525	rVB	41694	60472	4.99%	0.357%
69	11.232	1525	1530	1535	rVB	61618	110780	9.14%	0.654%
70	11.286	1535	1539	1542	rVB4	9546	13539	1.12%	0.080%
71	11.335	1542	1547	1551	rBV4	26088	42075	3.47%	0.248%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

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_W\METHOD\SOM2WLM101819S.M
Title : VOC Analysis

72	11.408	1551	1559	1561	rBV4	24052	47732	3.94%	0.282%
73	11.512	1571	1576	1581	rBV2	28133	44016	3.63%	0.260%
74	11.628	1588	1595	1605	rBV	399837	680590	56.14%	4.019%
75	11.725	1605	1611	1614	rBV6	9860	19393	1.60%	0.115%
76	11.762	1614	1617	1621	rVB2	7016	9985	0.82%	0.059%
77	11.817	1621	1626	1628	rBV5	6421	12411	1.02%	0.073%
78	11.872	1632	1635	1639	rVB3	10097	15898	1.31%	0.094%
79	11.969	1648	1651	1658	rVB7	2879	4703	0.39%	0.028%
80	12.042	1658	1663	1669	rVB7	3759	9240	0.76%	0.055%
81	12.140	1671	1679	1686	rBV5	15139	37271	3.07%	0.220%
82	12.237	1689	1695	1702	rVB3	19153	38113	3.14%	0.225%
83	12.341	1702	1712	1723	rBV7	17660	56550	4.66%	0.334%
84	12.609	1750	1756	1762	rVB2	67317	108646	8.96%	0.642%
85	12.695	1762	1770	1776	rVB	224796	373472	30.81%	2.205%
86	12.774	1778	1783	1789	rVB8	5724	12732	1.05%	0.075%
87	12.865	1792	1798	1802	rBV7	2406	5999	0.49%	0.035%
88	12.932	1802	1809	1818	rBV8	7374	16938	1.40%	0.100%
89	13.249	1855	1861	1865	rBV4	5075	9019	0.74%	0.053%
90	13.396	1879	1885	1889	rBV7	4355	8106	0.67%	0.048%
91	13.560	1904	1912	1920	rBV	336511	561346	46.31%	3.314%
92	13.646	1920	1926	1932	rBV	16023	26728	2.20%	0.158%
93	13.755	1940	1944	1947	rBV5	2742	4717	0.39%	0.028%
94	13.853	1953	1960	1968	rBV	297844	495548	40.88%	2.926%
95	14.072	1982	1996	2003	rBV	48075	84790	6.99%	0.501%
96	14.207	2013	2018	2023	rVV8	1598	3902	0.32%	0.023%
97	14.329	2034	2038	2044	rVV5	4027	7585	0.63%	0.045%
98	14.725	2100	2103	2107	rVB4	2125	3014	0.25%	0.018%
99	14.792	2110	2114	2118	rBV4	3049	5295	0.44%	0.031%
100	15.493	2221	2229	2237	rVB	11415	22030	1.82%	0.130%

Sum of corrected areas: 16936198

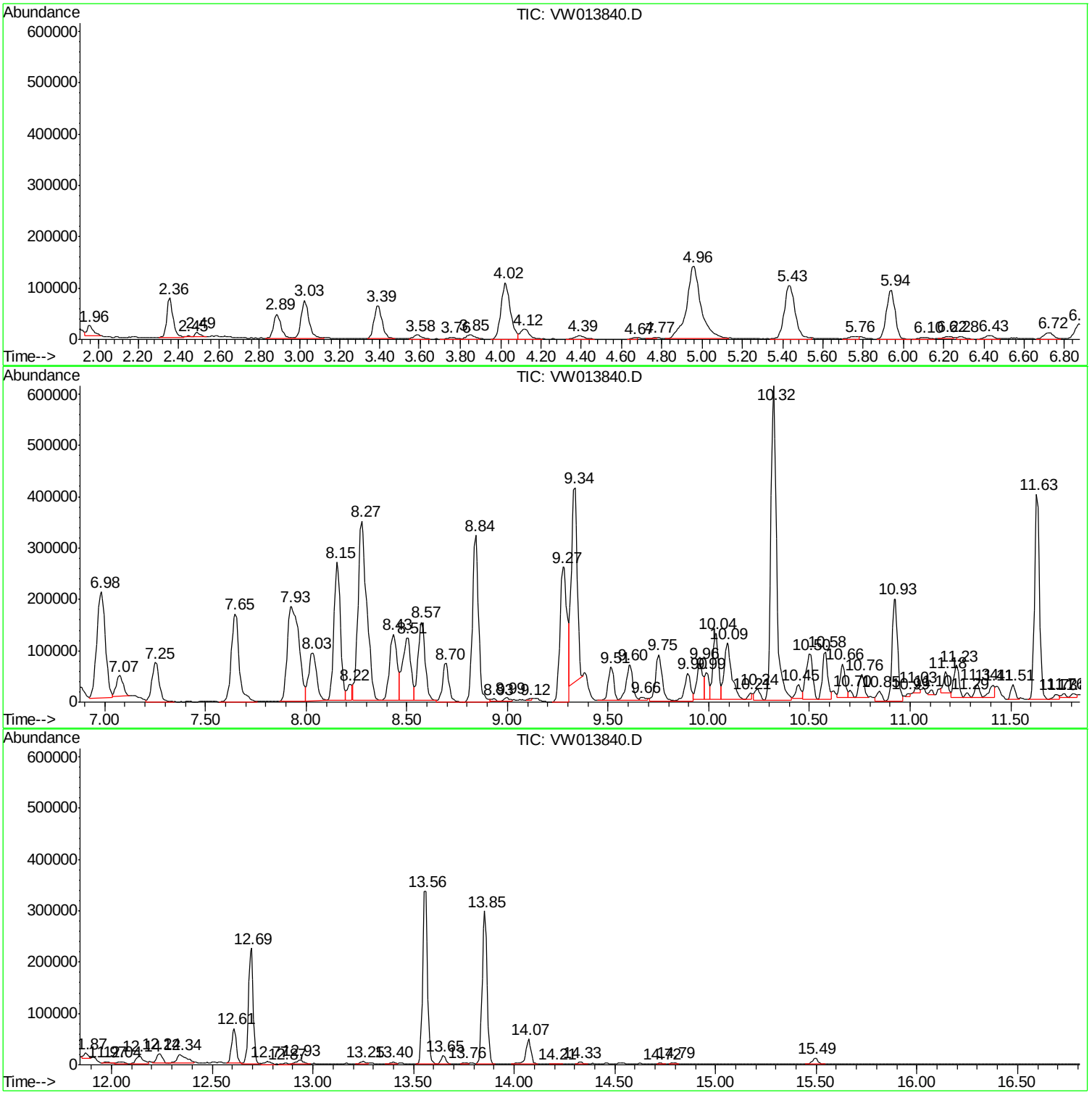
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

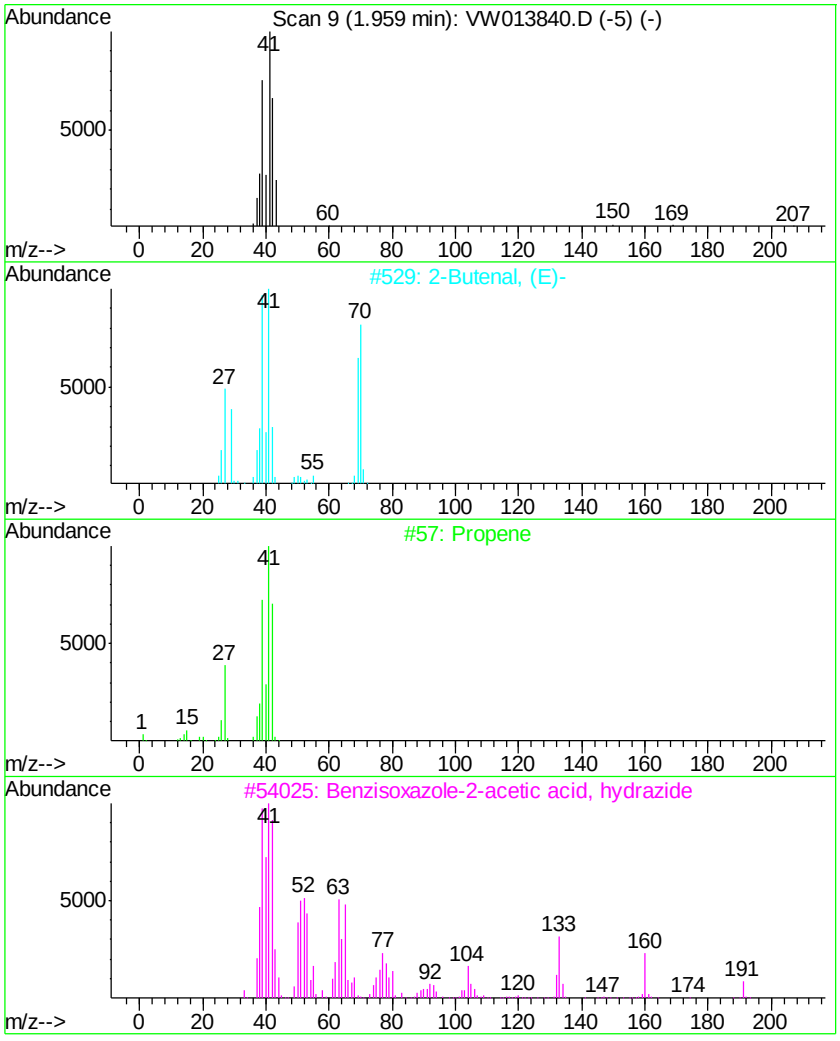
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

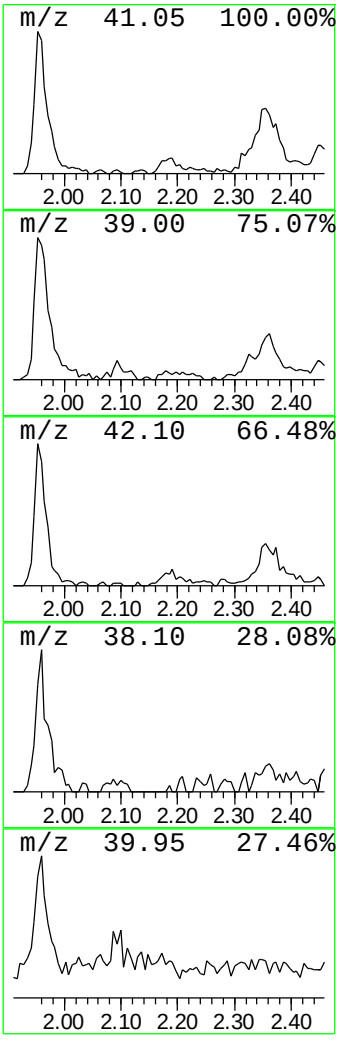
****

Peak Number 1 2-Butenal, (E)- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	1.65 ug/L	44628	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, (E)-	70	C4H6O	000123-73-9	83
2	Propene	42	C3H6	000115-07-1	80
3	Benzisoxazole-2-acetic acid, hyd...	191	C9H9N3O2	055244-10-5	74
4	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	72
5	Cyclopropane	42	C3H6	000075-19-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

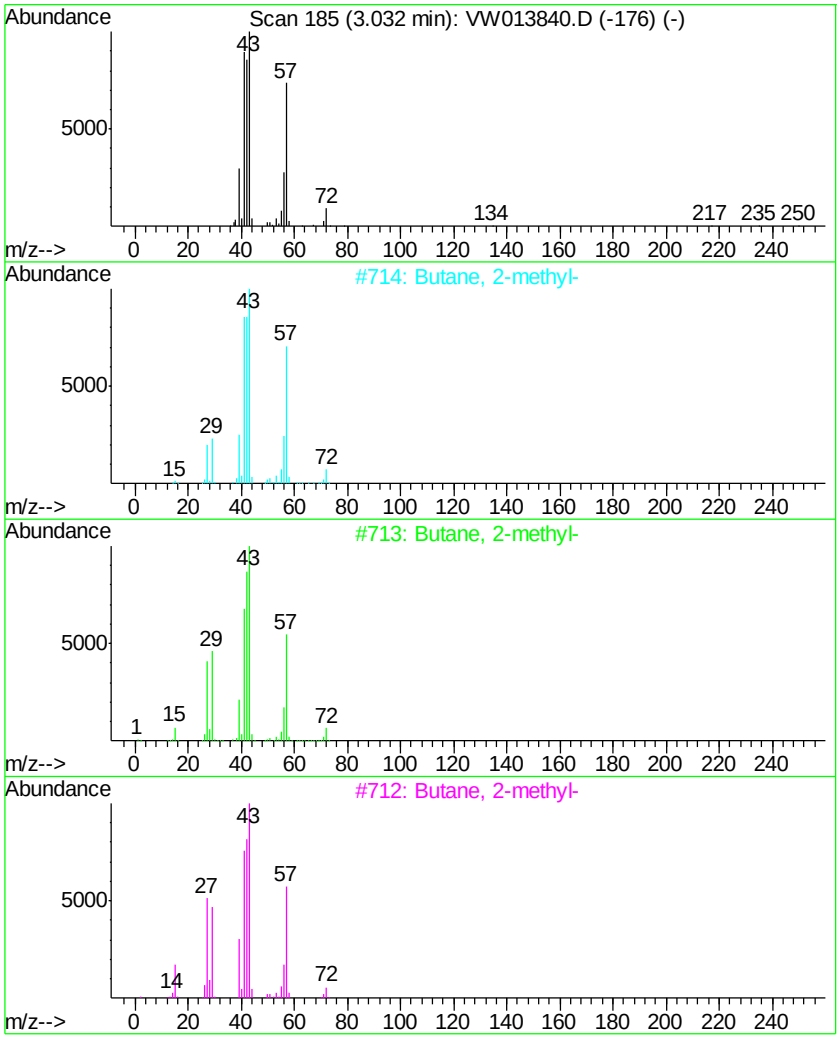
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

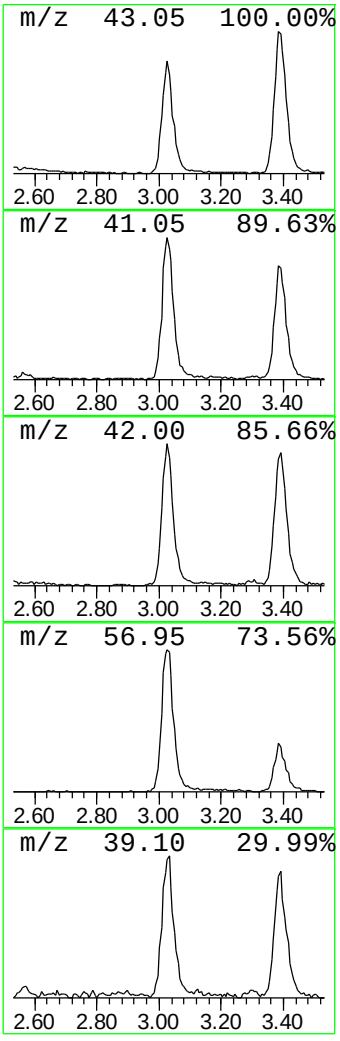
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	7.45 ug/L	202000	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	Pentane	72	C5H12	000109-66-0	39
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

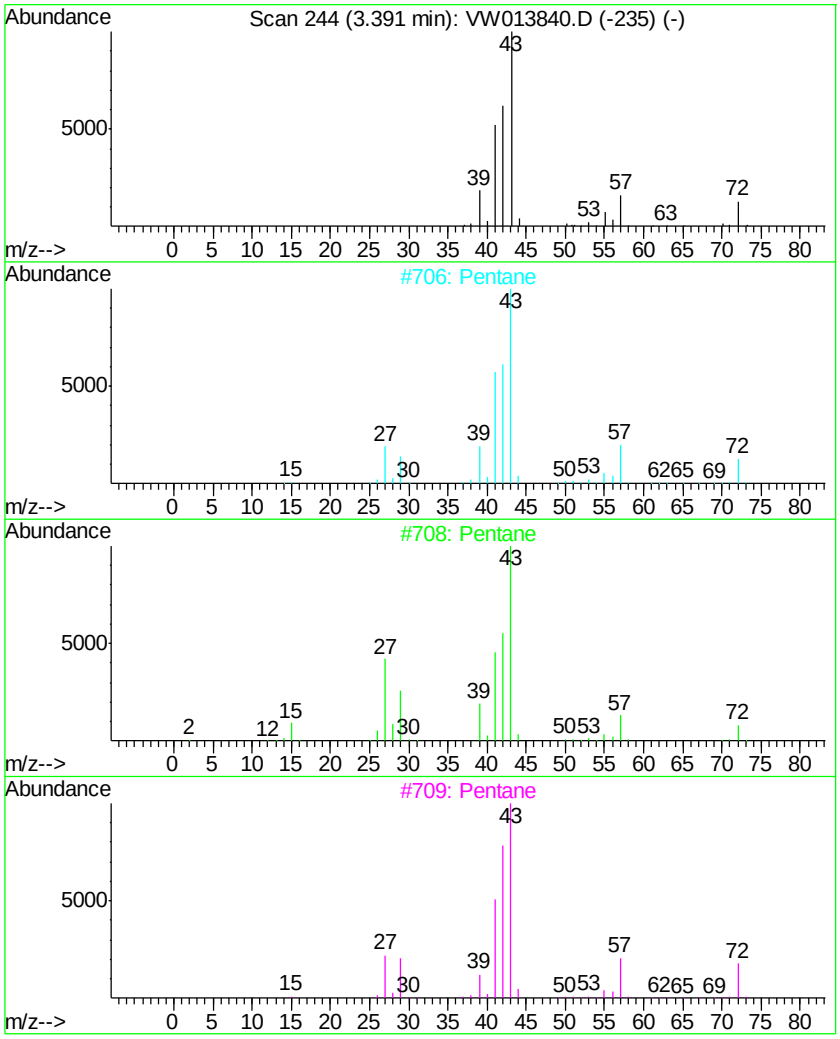
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

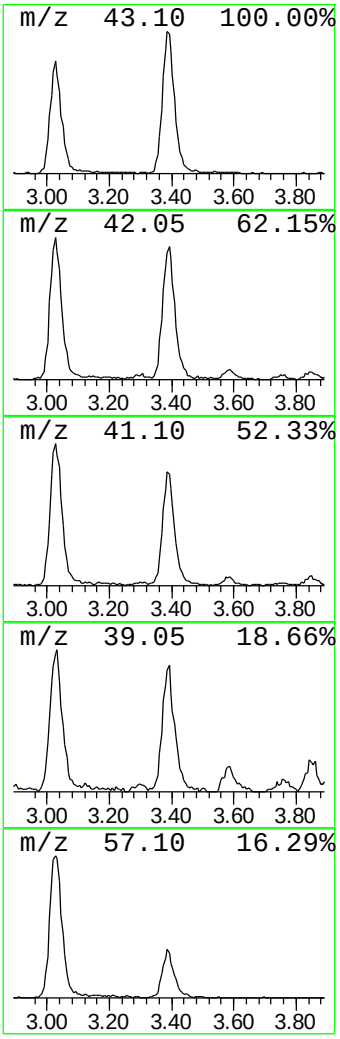
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	6.62 ug/L	179385	1,4-Difluorobenzene	8.84

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	Oxirane, ethyl-	72	C4H8O	000106-88-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

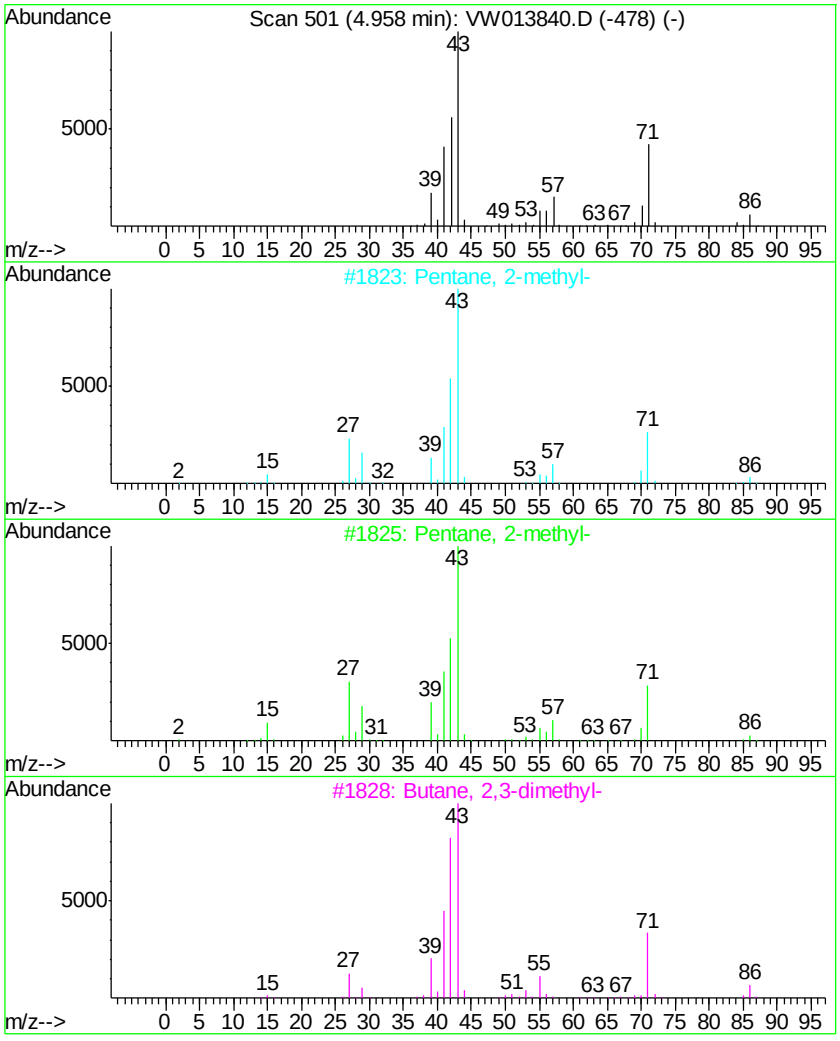
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

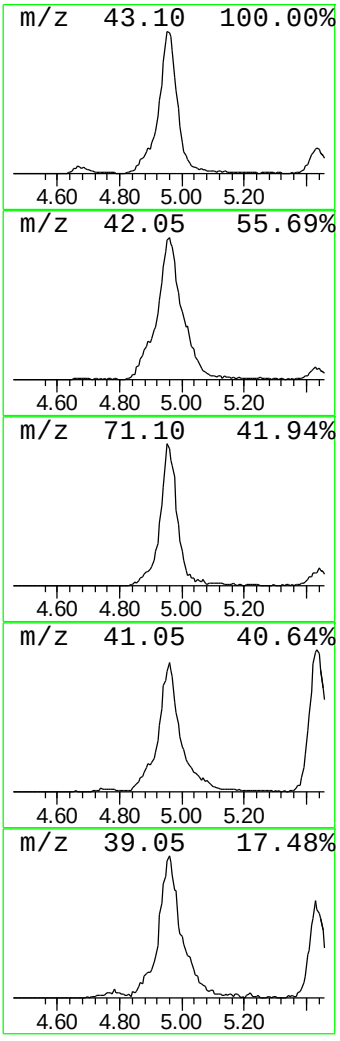
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	25.96 ug/L	703341	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	87
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49
5	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

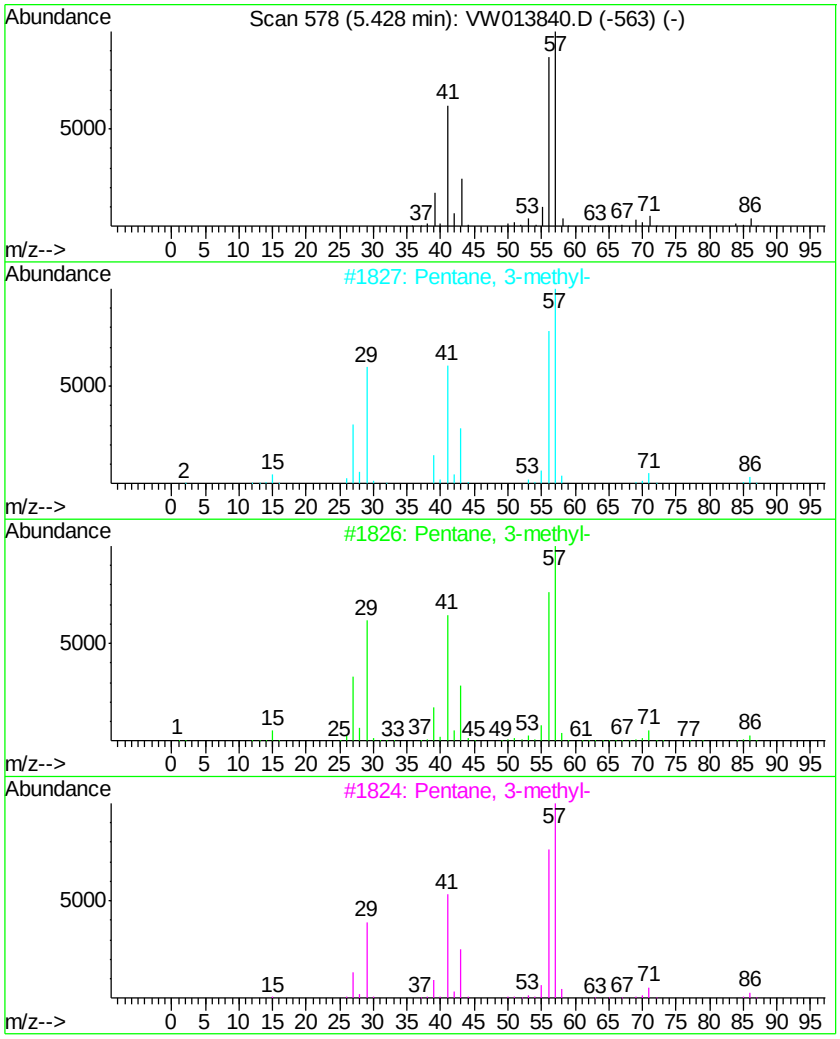
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

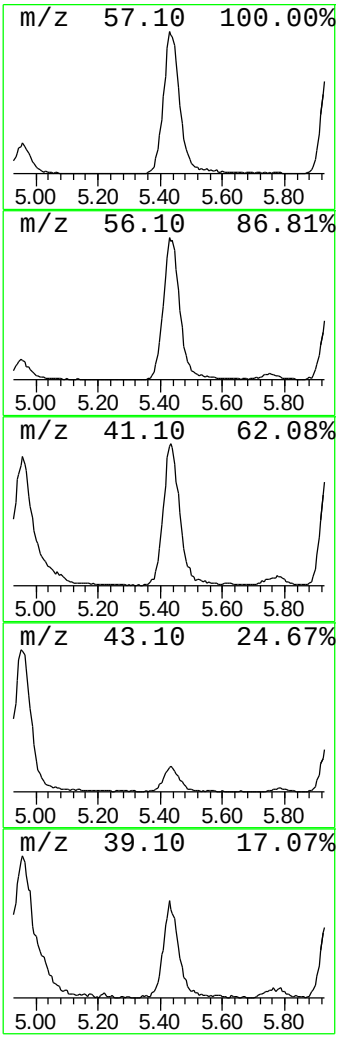
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.43	14.69 ug/L	397969	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	83
5	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

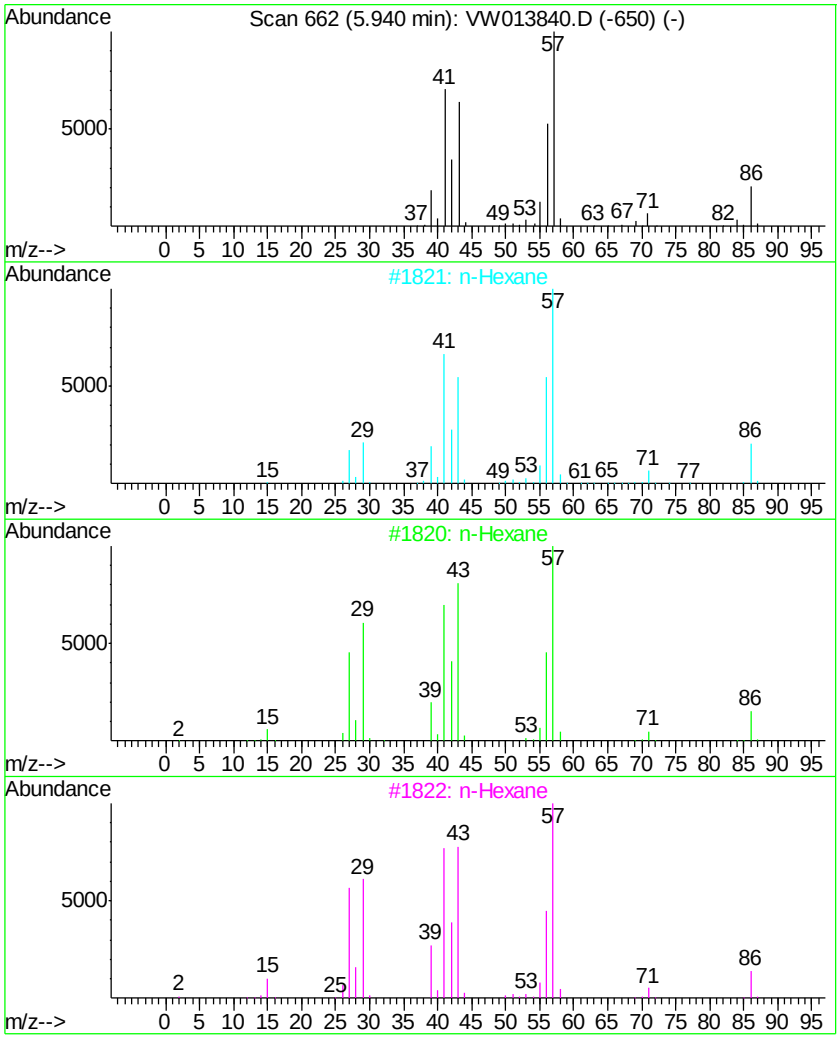
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

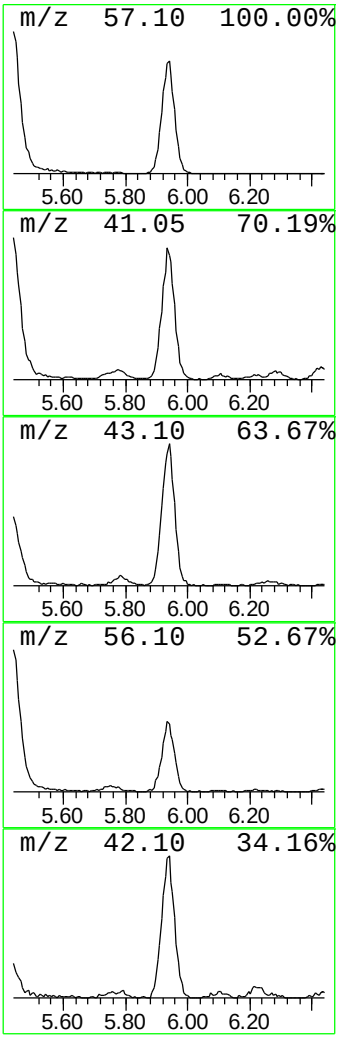
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	10.49 ug/L	284129	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	n-Hexane	86	C6H14	000110-54-3	72
3	n-Hexane	86	C6H14	000110-54-3	64
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50





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Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

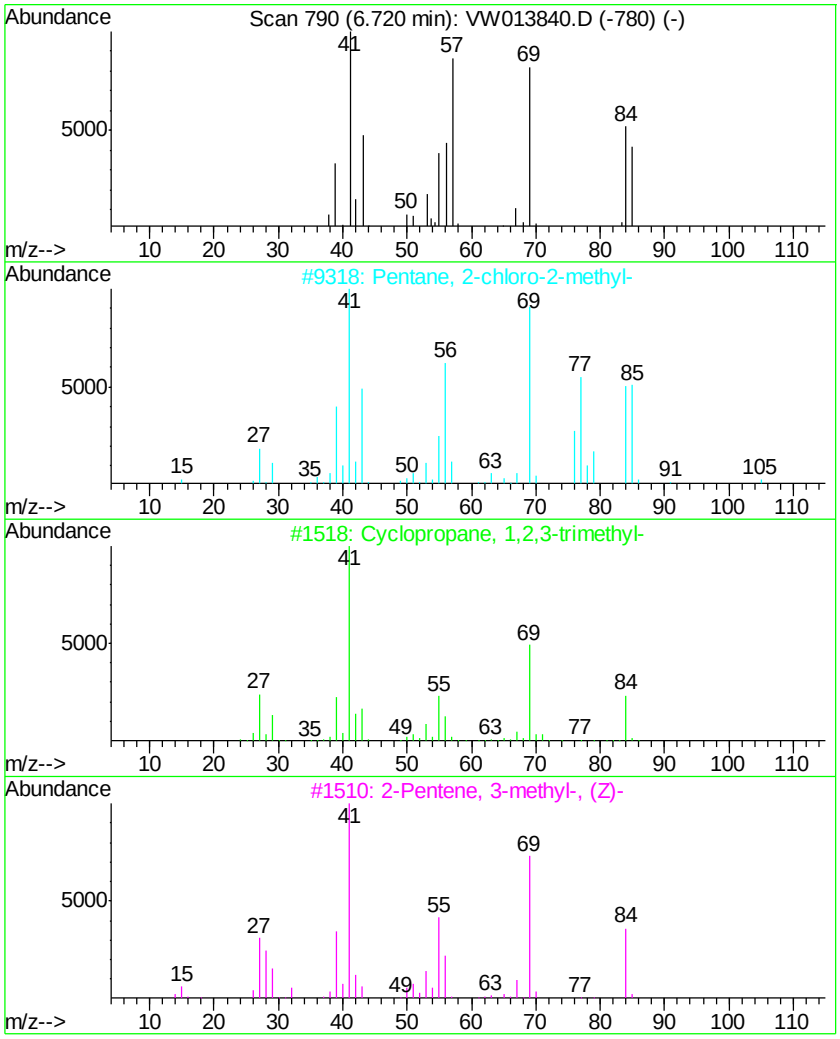
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

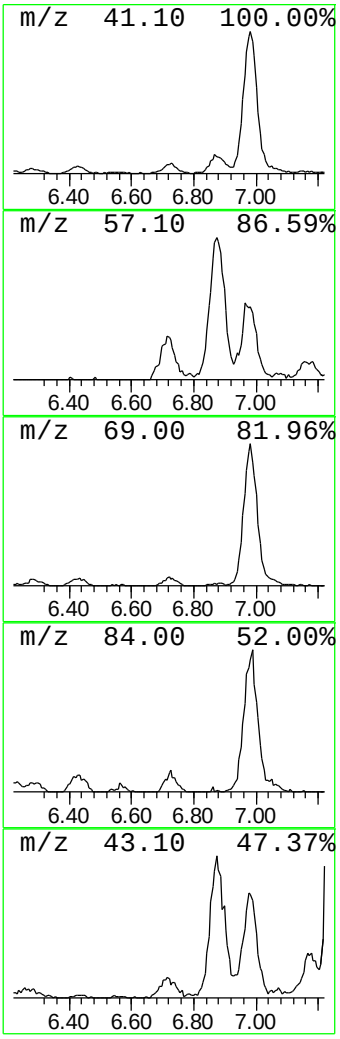
****

Peak Number 7 Pentane, 2-chloro-2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	1.55 ug/L	42042	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-chloro-2-methyl-	120	C6H13Cl	004325-48-8	72
2	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	58
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	52
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	52
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	52





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Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

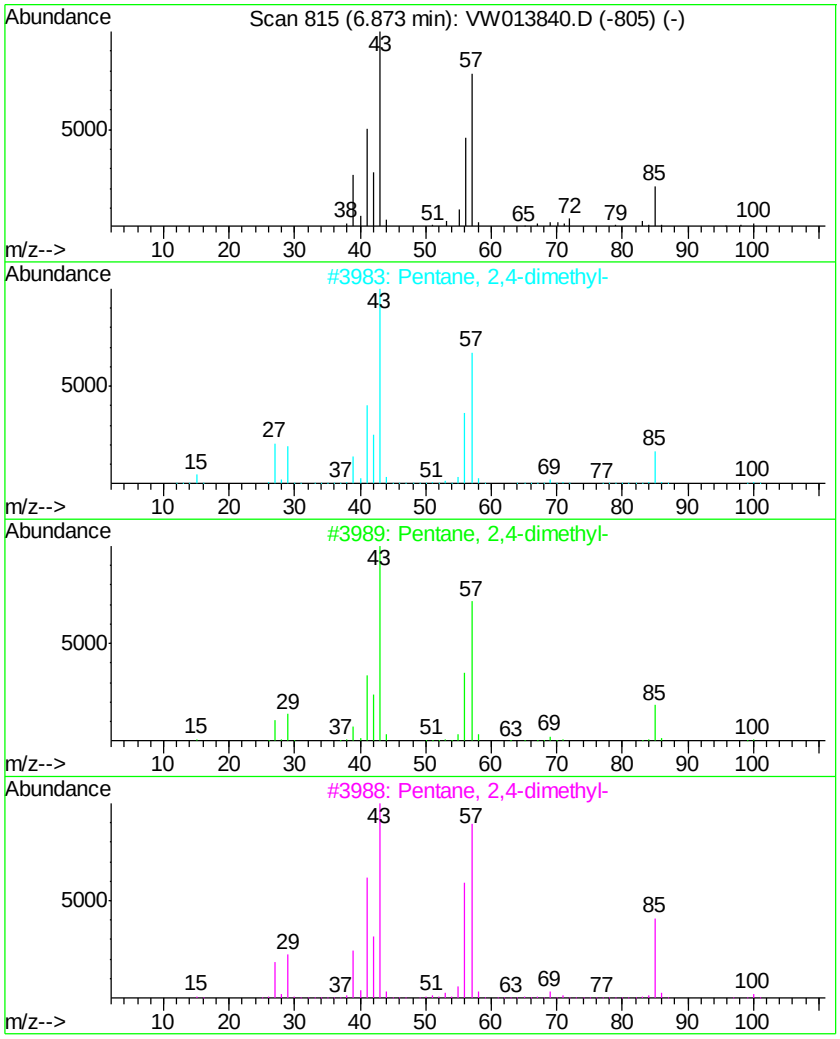
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

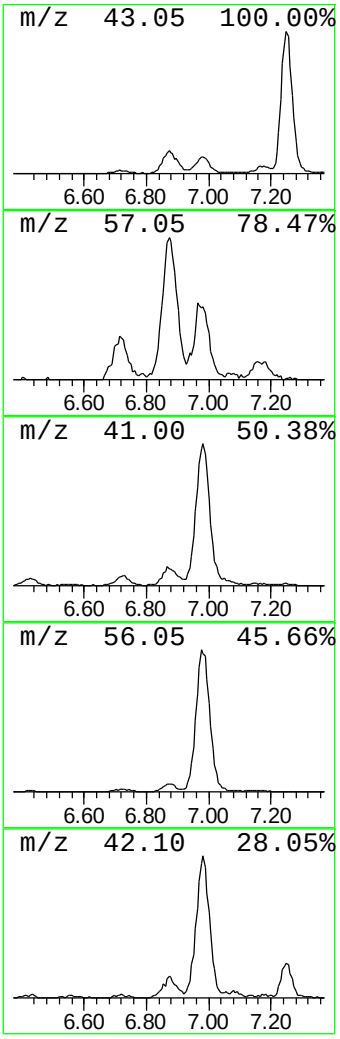
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	3.71 ug/L	100502	1,4-Difluorobenzene	8.84

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	78
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	68
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
5	2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	47





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Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

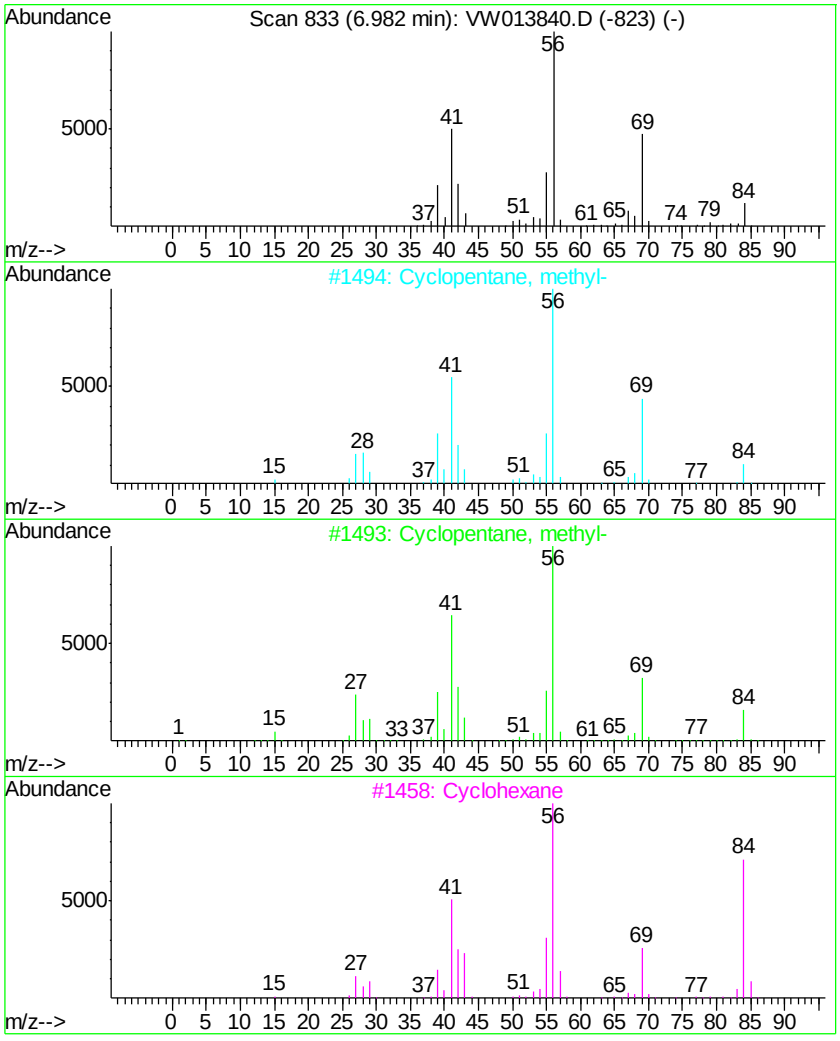
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

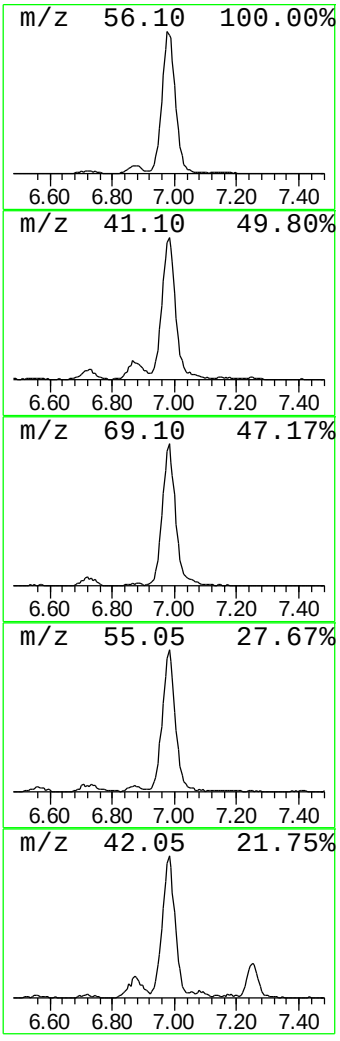
****

Peak Number 9 (DEL) Alkane: Cyclic6.98 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	22.23 ug/L	602411	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclopropane, propyl-	84	C6H12	002415-72-7	72
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

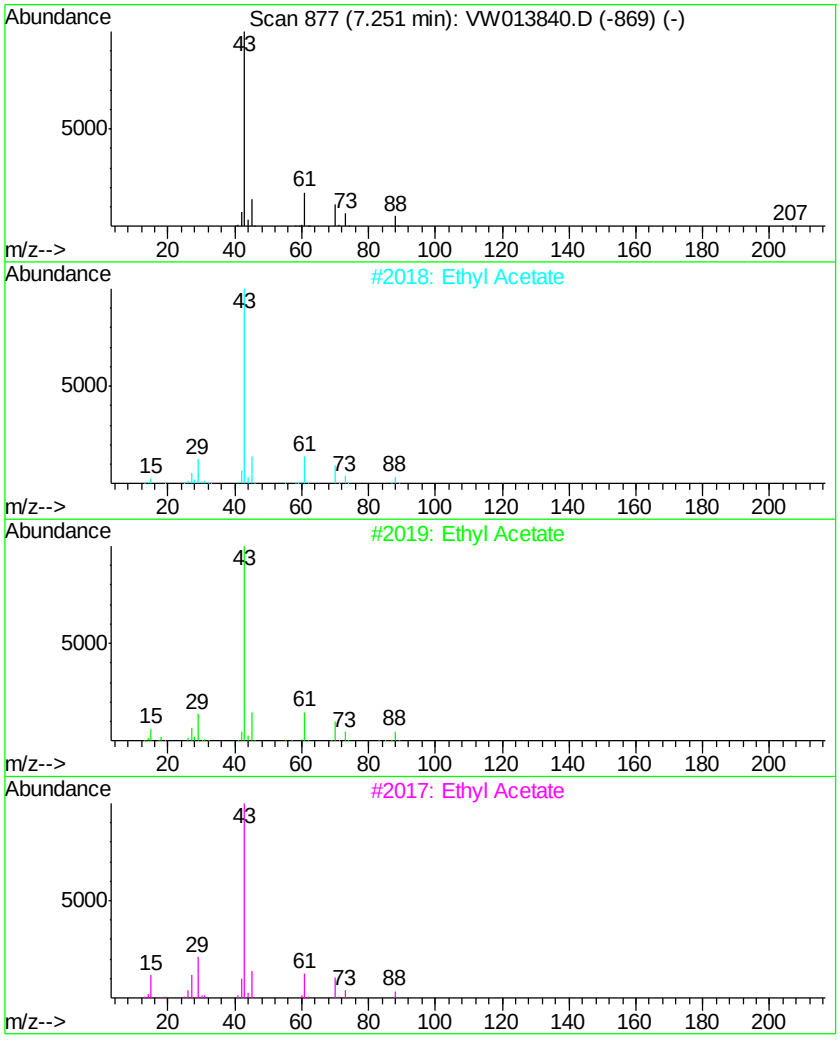
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

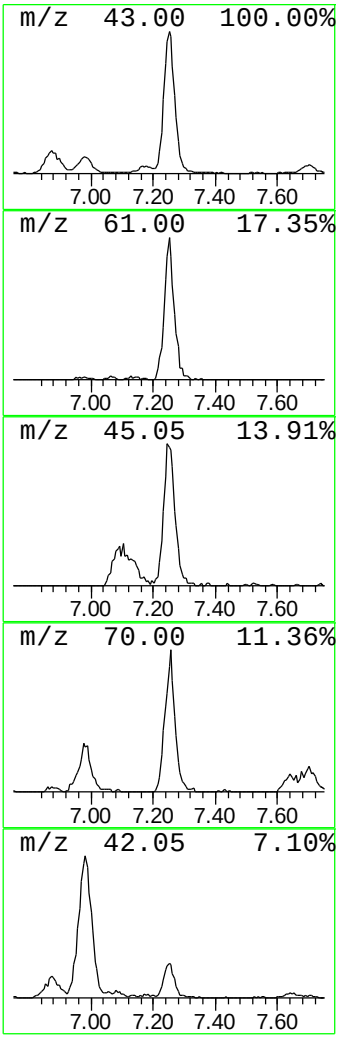
****

Peak Number 10 Ethyl Acetate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	7.18 ug/L	194615	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	86
2	Ethyl Acetate	88	C4H8O2	000141-78-6	86
3	Ethyl Acetate	88	C4H8O2	000141-78-6	86
4	Ethyl Acetate	88	C4H8O2	000141-78-6	78
5	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	40





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Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

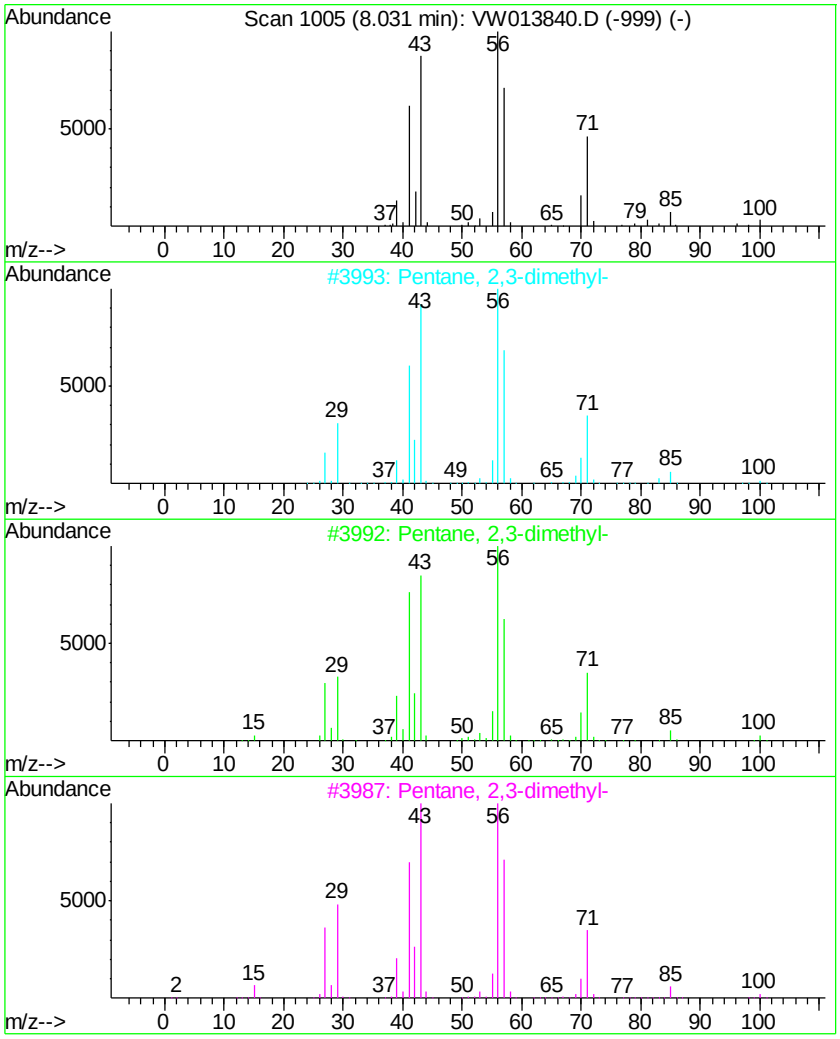
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

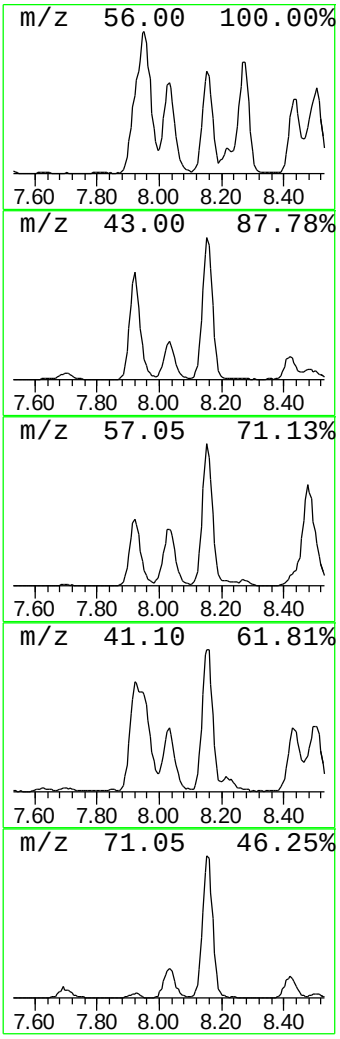
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	9.51 ug/L	257572	1,4-Difluorobenzene	8.84

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	74
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
4	Ethane, isocyanato-	71	C3H5NO	000109-90-0	59
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

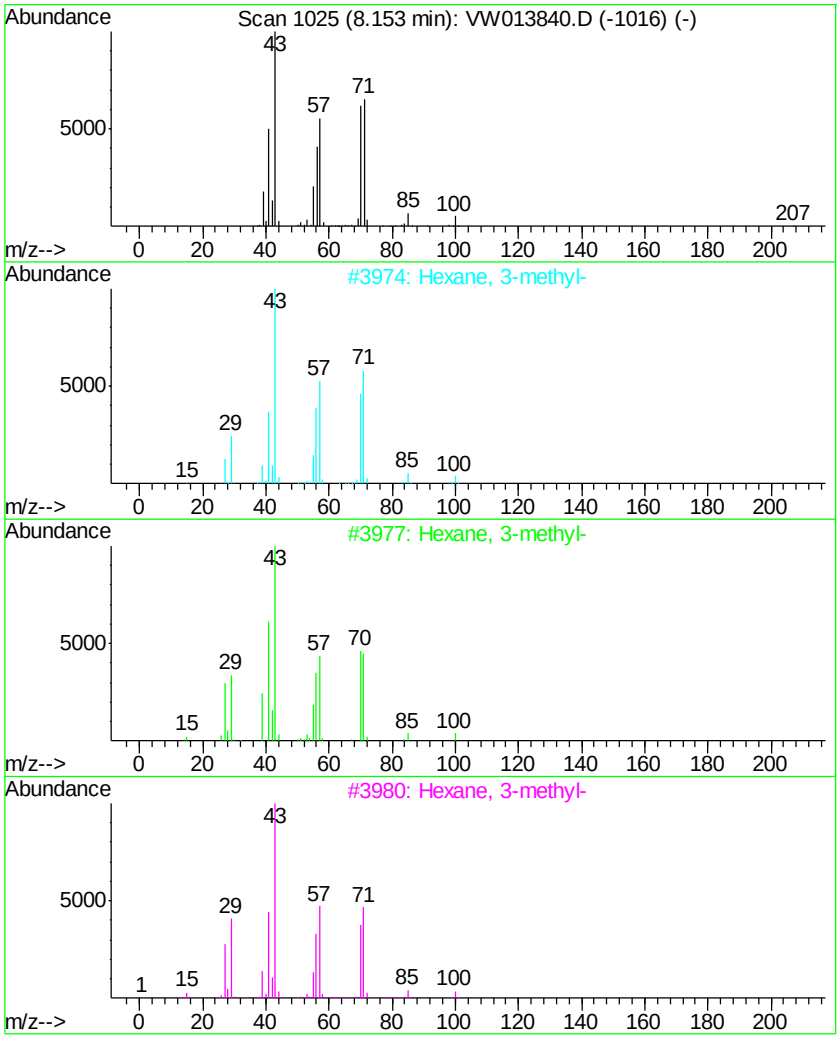
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

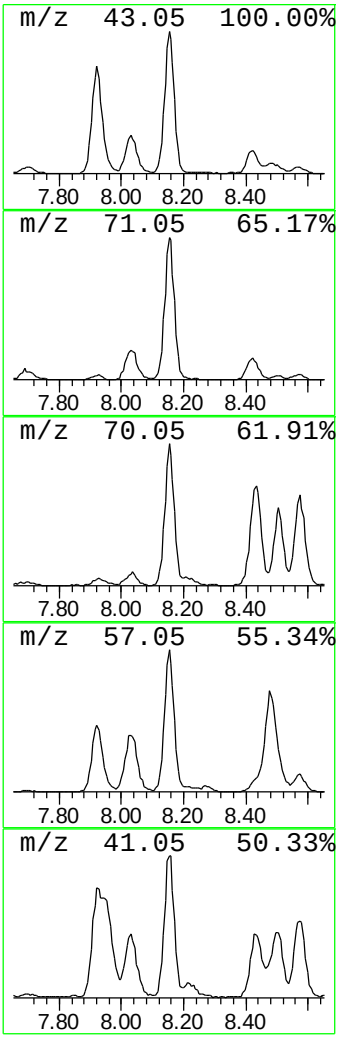
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	22.41 ug/L	607338	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4	Heptane	100	C7H16	000142-82-5	80
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53





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Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

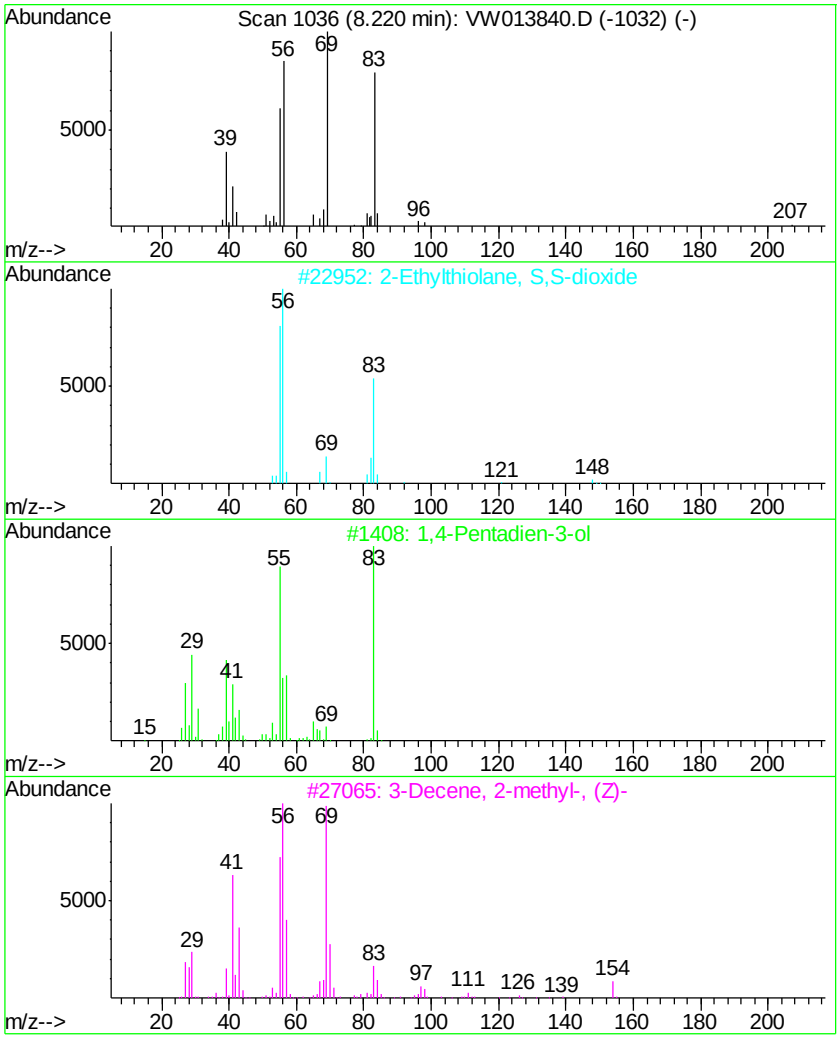
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

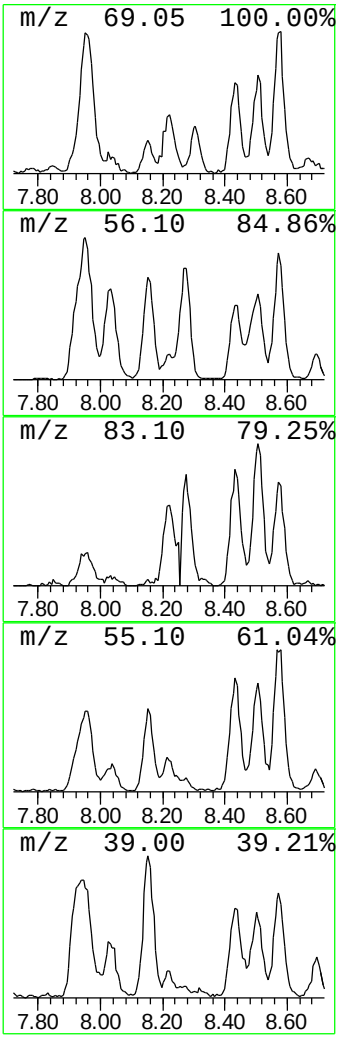
****

Peak Number 13 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	1.85 ug/L	50196	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethylthiolane, S,S-dioxide	148	C6H12O2S	010178-59-3	43
2	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	43
3	3-Decene, 2-methyl-, (Z)-	154	C11H22	055499-05-3	38
4	3-Undecene, 2-methyl-, (E)-	168	C12H24	074630-51-6	38
5	3-Nonene, 2-methyl-	140	C10H20	053966-53-3	37





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Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

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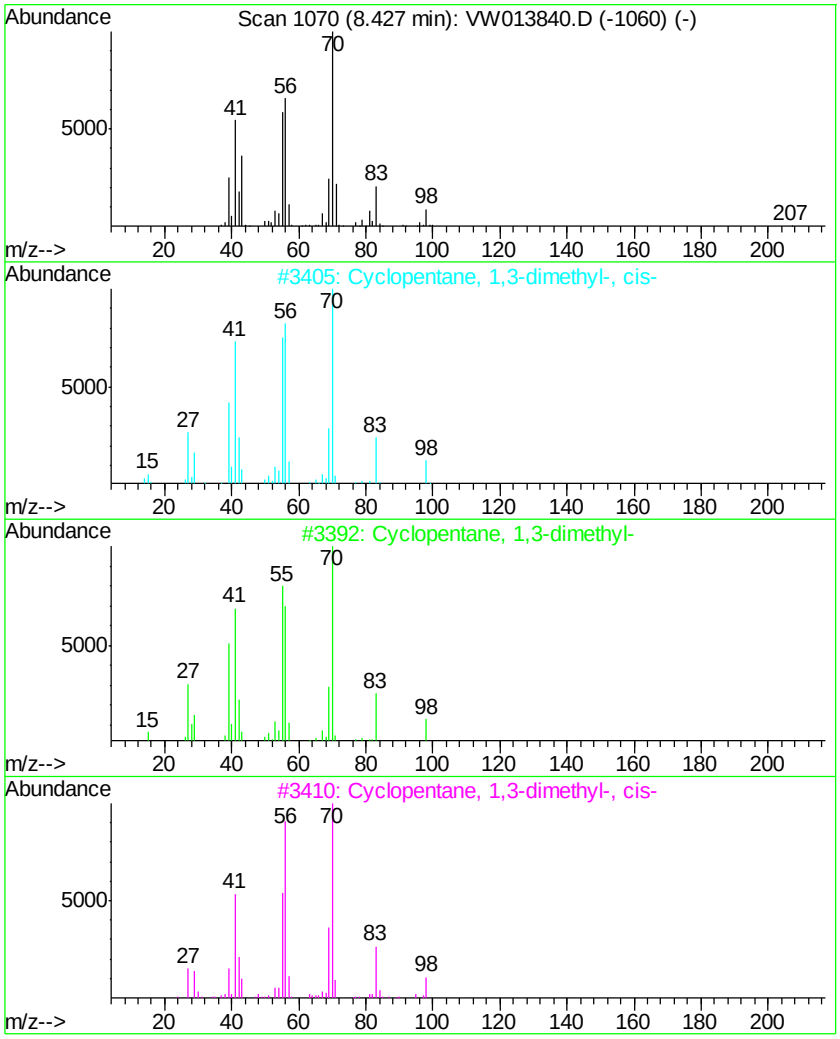
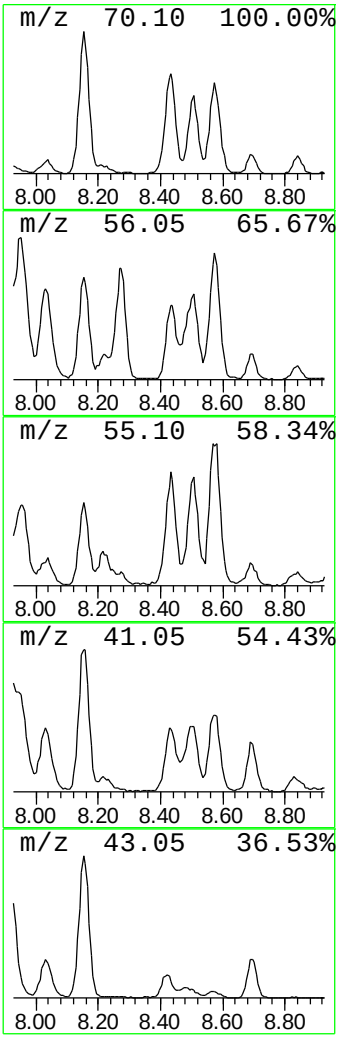
Peak Number 14 (DEL) Alkane: Cyclic8.43 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	12.85 ug/L	348187	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
4	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	72
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	70





Library Search Compound Report

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Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

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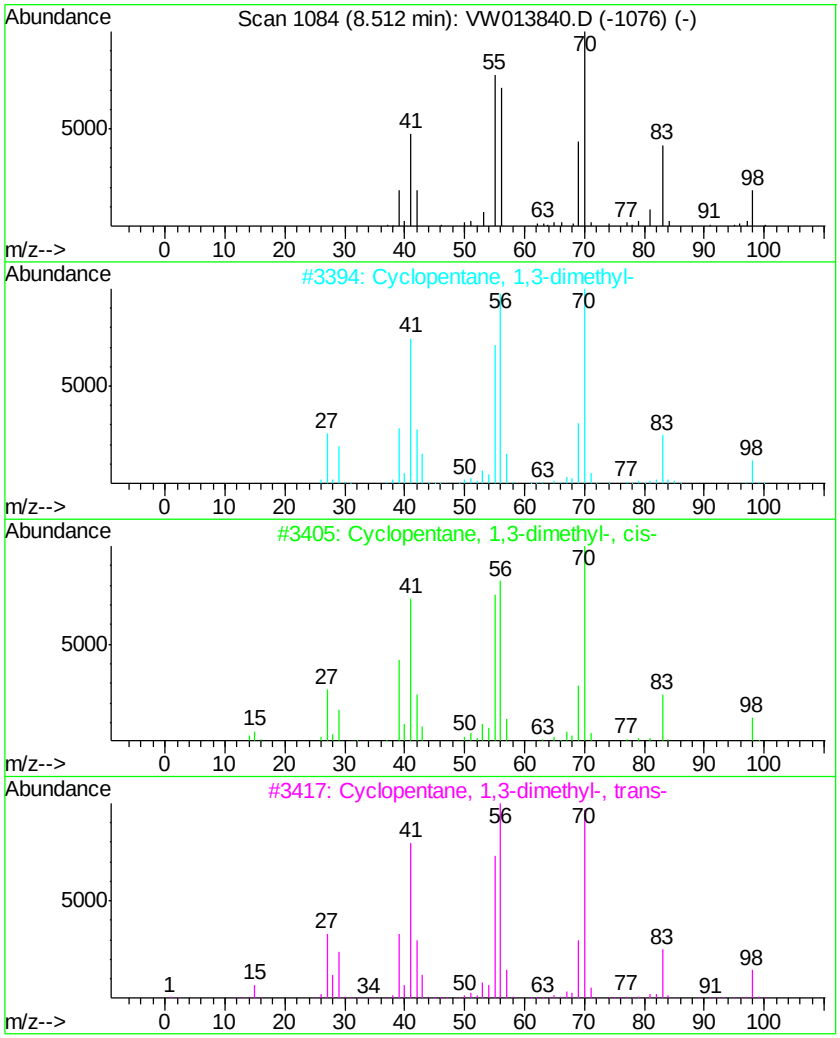
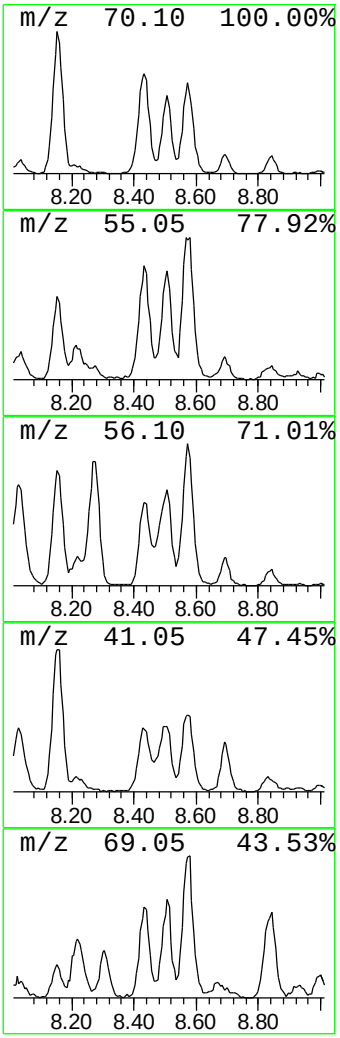
Peak Number 15 (DEL) Alkane: Cyclic8.51 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	12.55 ug/L	340145	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	83
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	83
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	78
4	1-Octene, 3-methyl-	126	C9H18	013151-08-1	78
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	74





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Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

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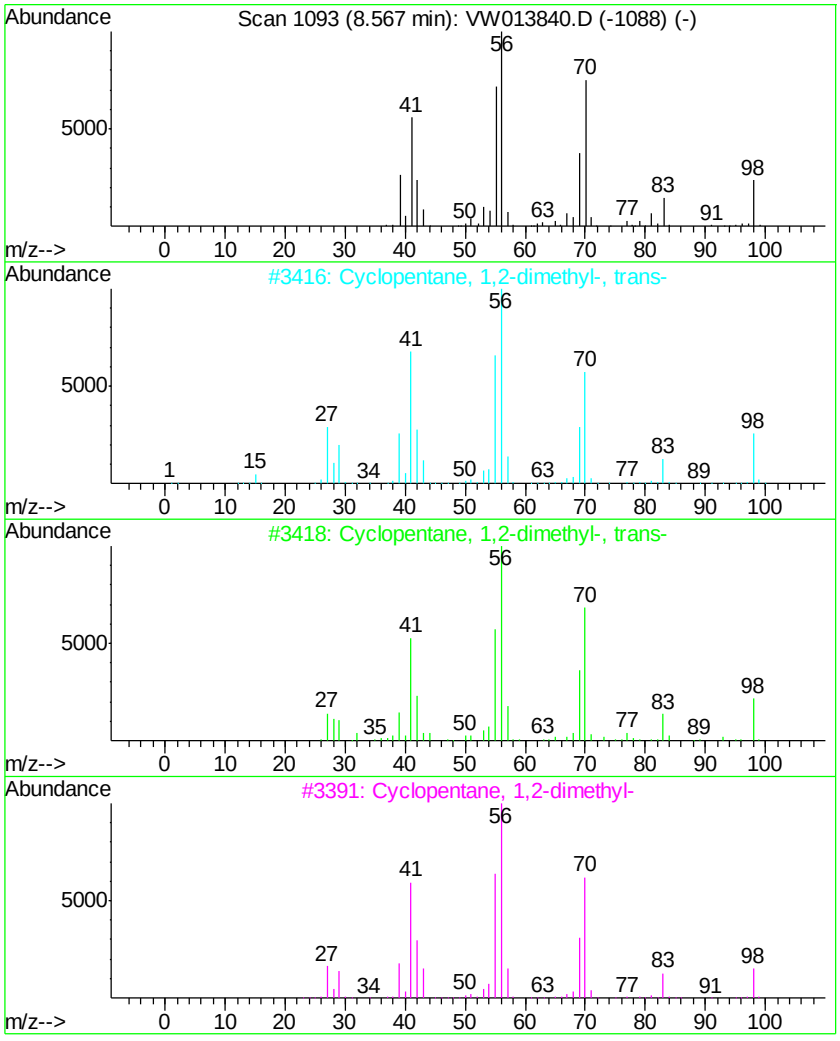
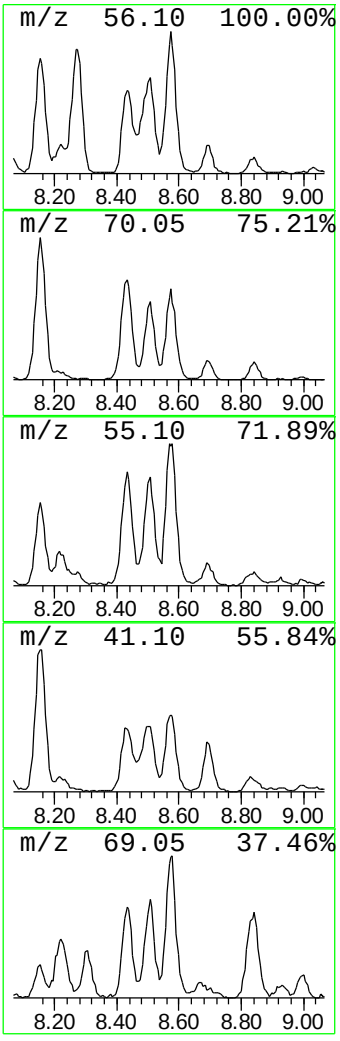
Peak Number 16 (DEL) Alkane: Cyclic8.57 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	13.49 ug/L	365540	1,4-Difluorobenzene	8.84

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	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4	1-Heptene	98	C7H14	000592-76-7	91
5	1-Heptene	98	C7H14	000592-76-7	91





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Data File : VW013840.D
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Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

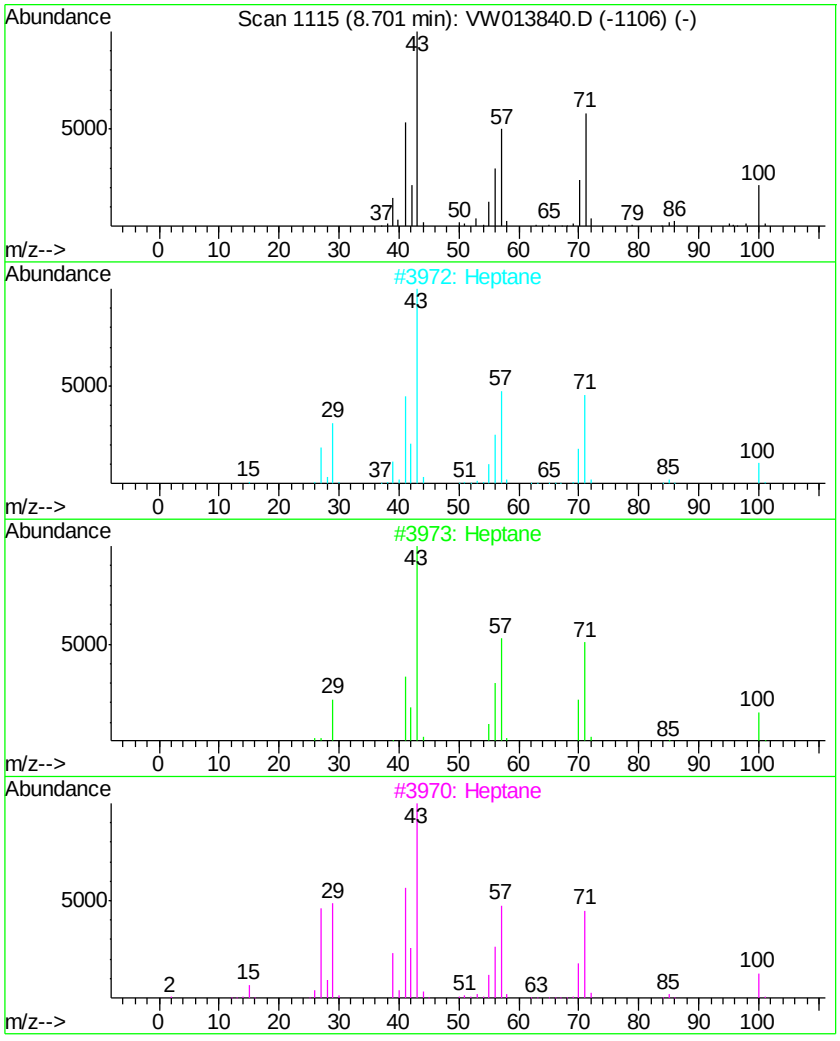
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

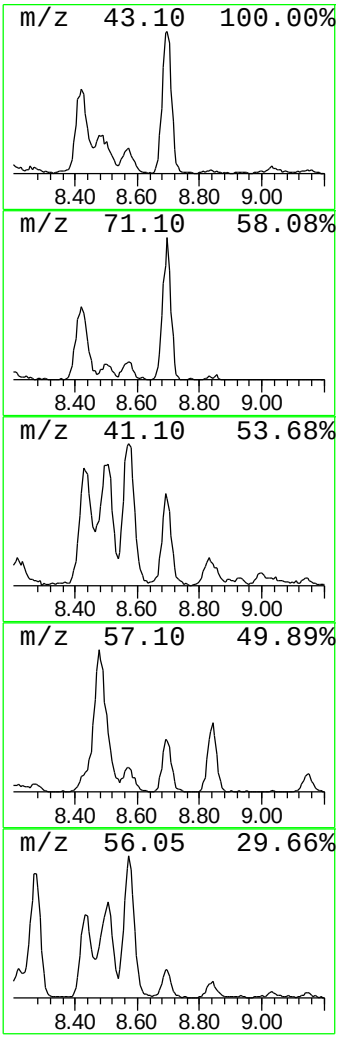
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	6.09 ug/L	165030	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	80
3	Heptane	100	C7H16	000142-82-5	72
4	Heptane	100	C7H16	000142-82-5	49
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

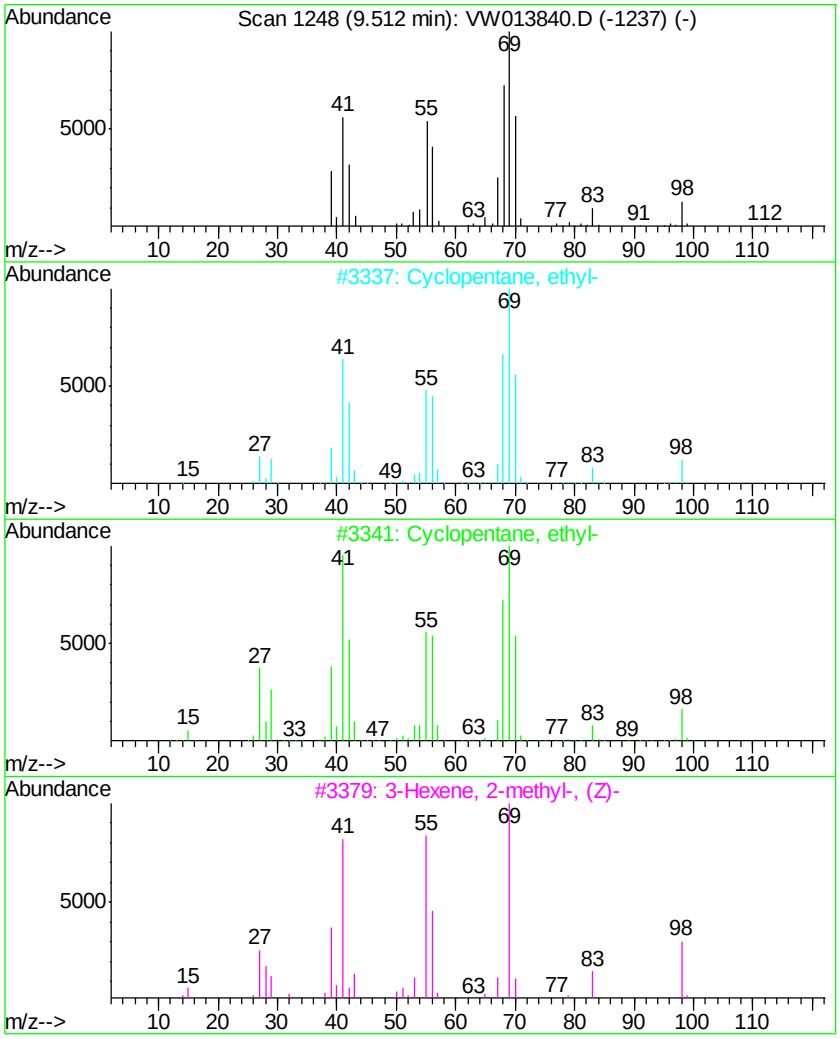
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

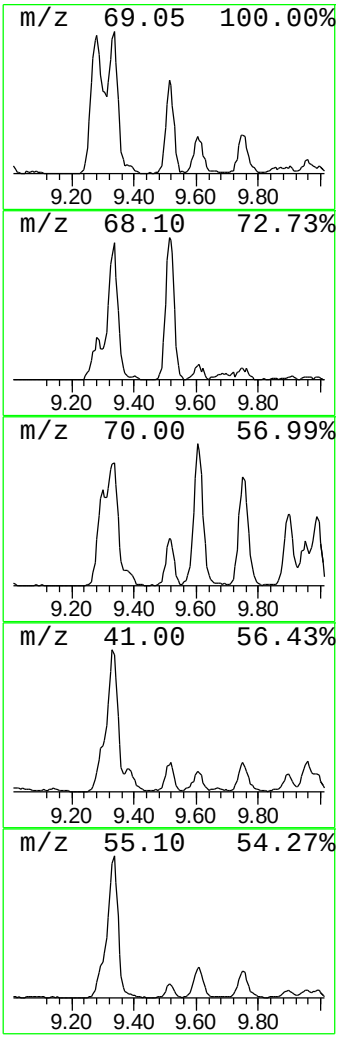
****

Peak Number 18 (DEL) Alkane: Cyclic9.51 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	4.69 ug/L	127116	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	93
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	91
3	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	53
4	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	50
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

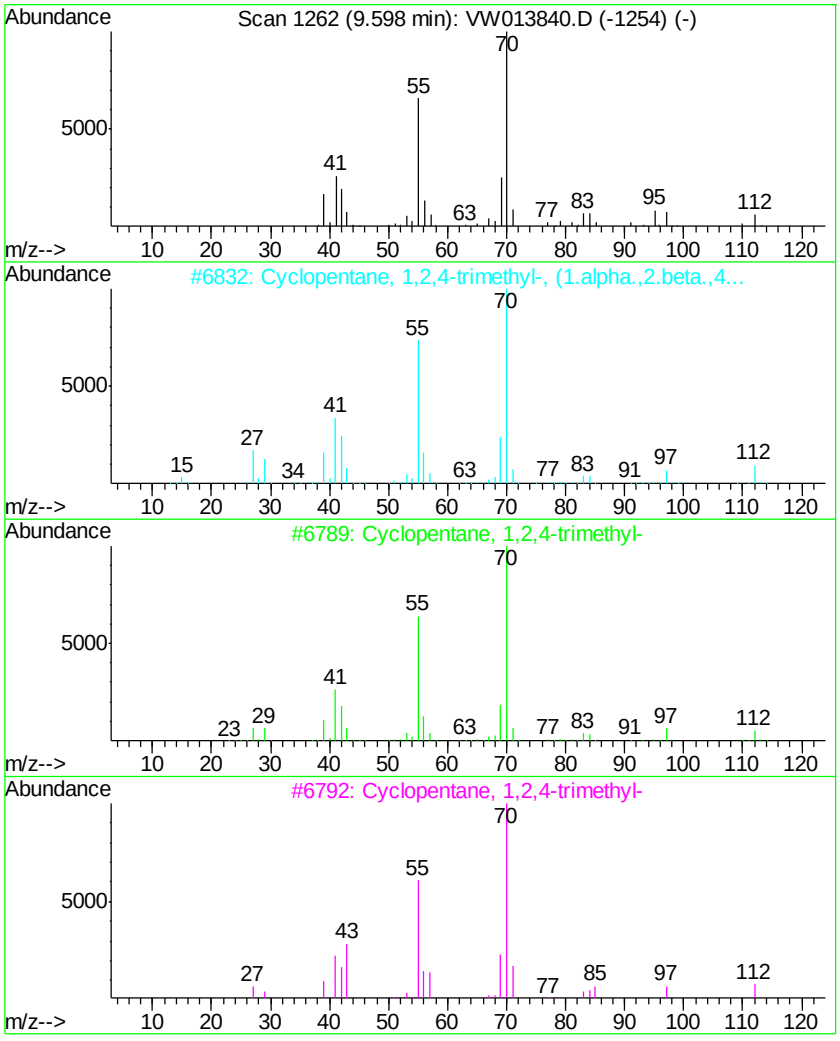
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

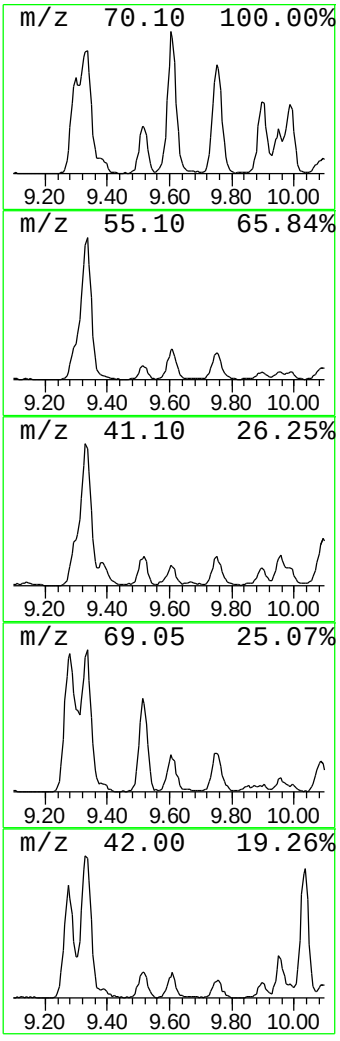
****

Peak Number 19 (DEL) Alkane: Cyclic9.60 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	5.66 ug/L	153314	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	87
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

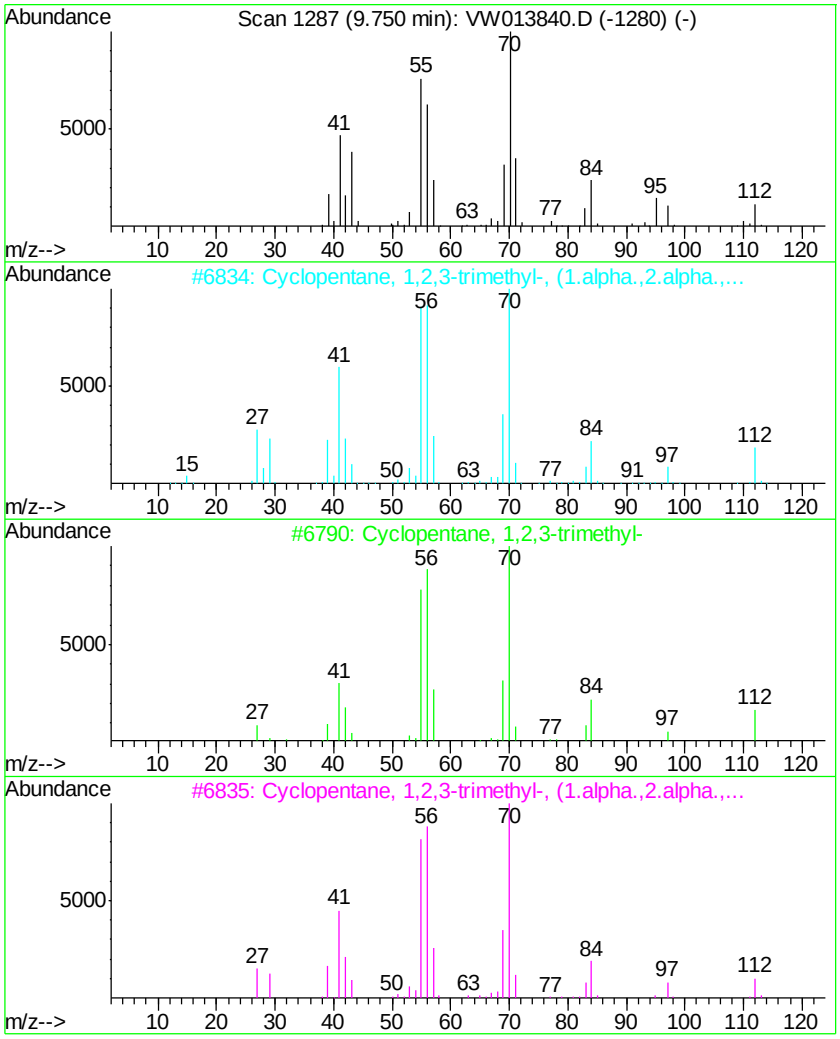
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

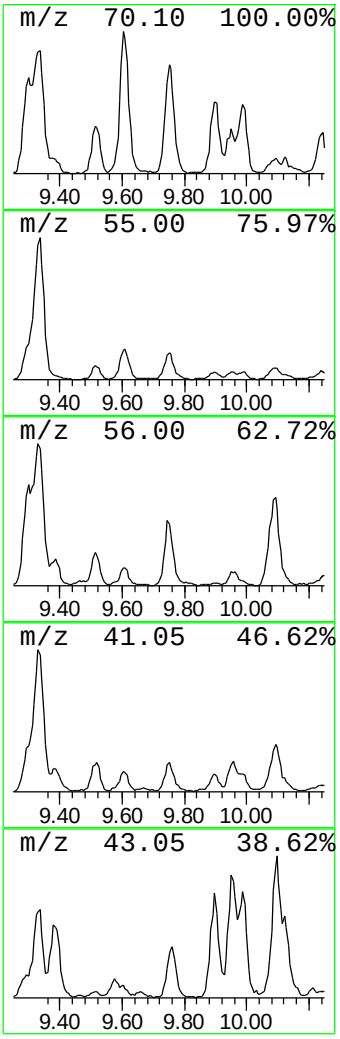
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic9.75 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	7.45 ug/L	201987	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	90
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
4	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	72
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

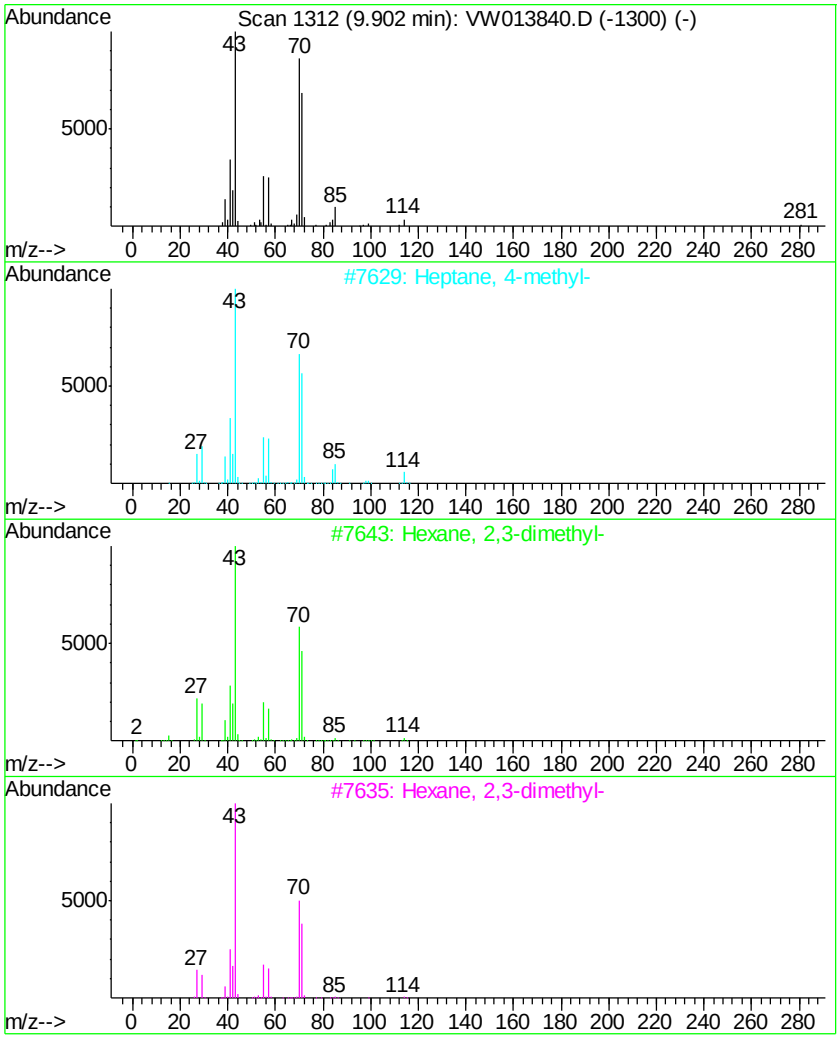
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

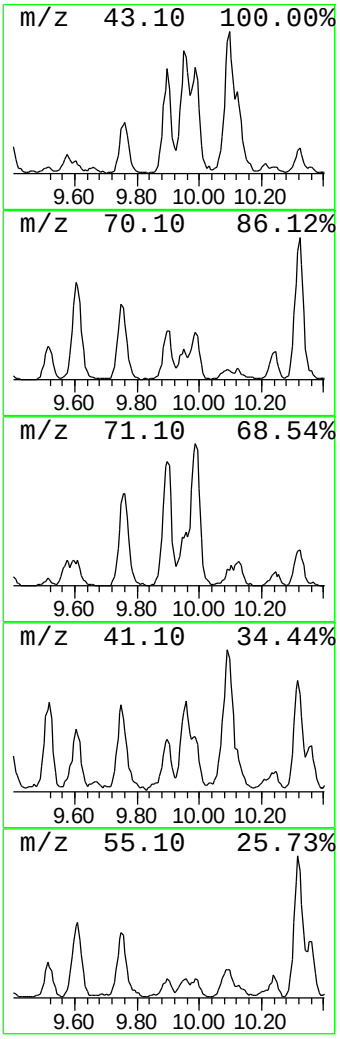
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	4.25 ug/L	115140	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	80
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	72
4	3,4-Diethyl hexane	142	C10H22	019398-77-7	64
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

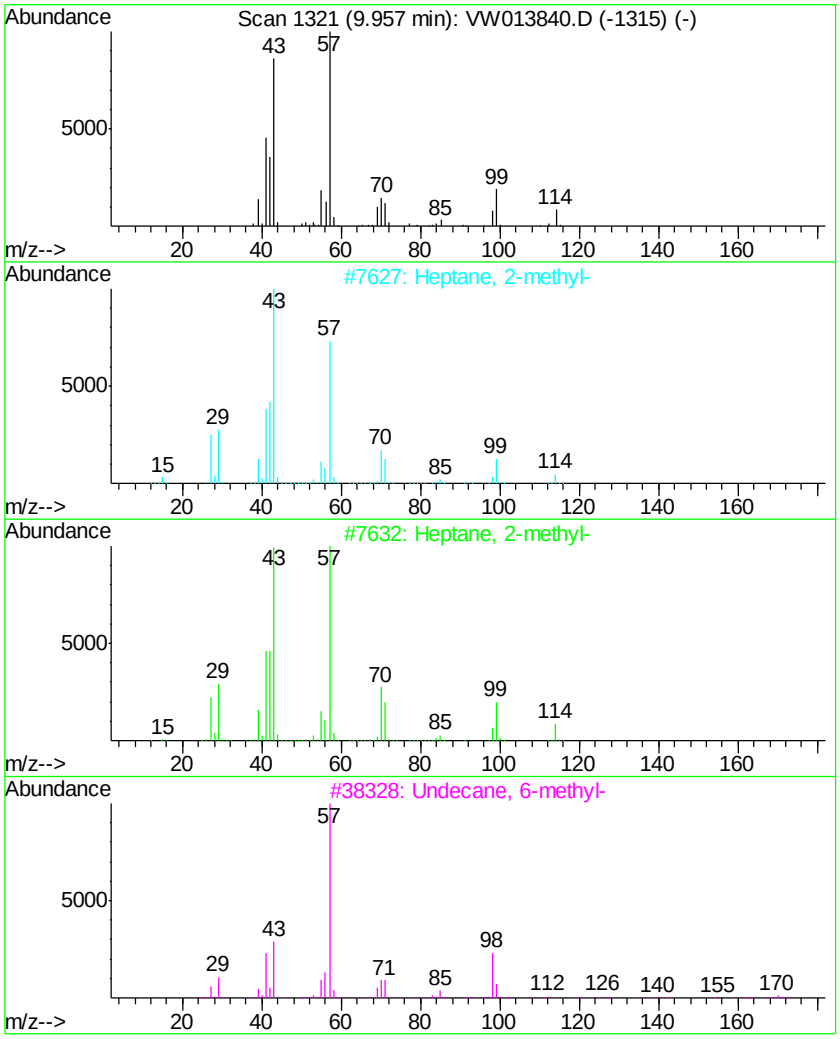
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

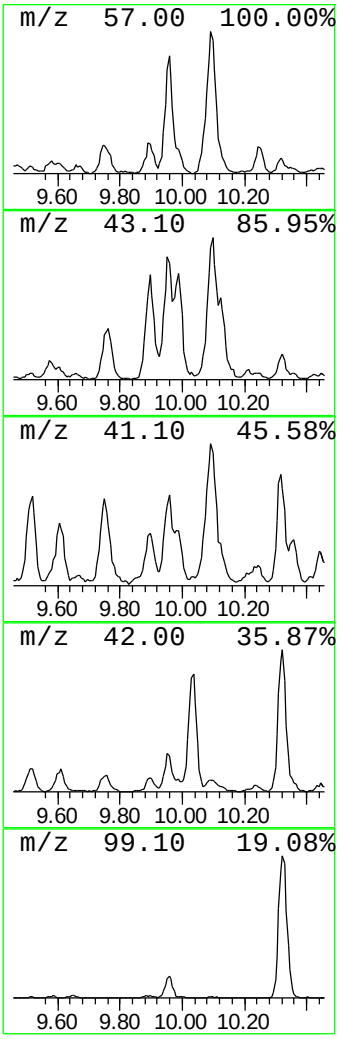
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	5.54 ug/L	150045	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	68
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	58
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	50
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	50
5	Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

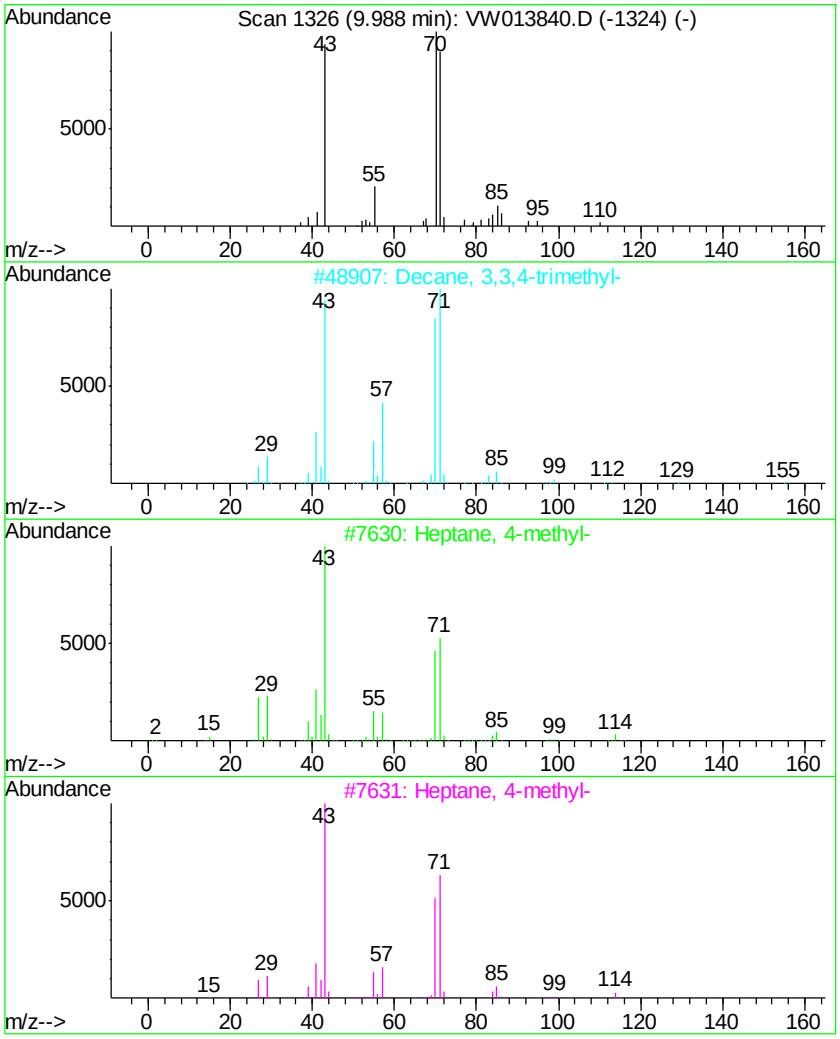
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

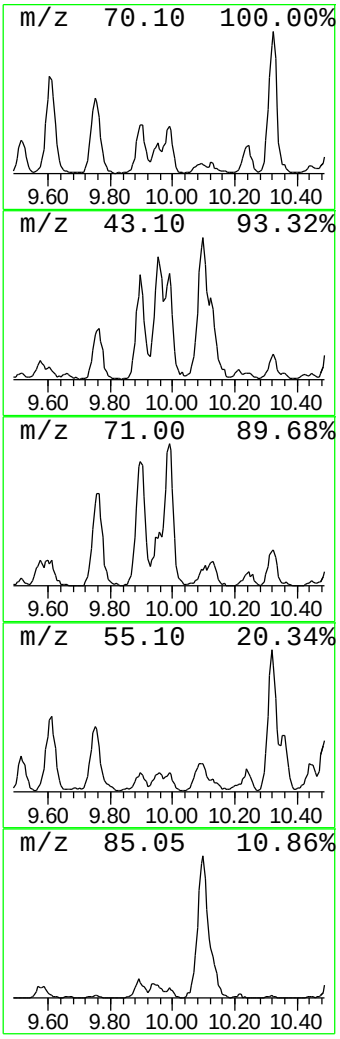
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	2.80 ug/L	75847	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	40
5	Butane, 1,1'-oxybis[3-methyl-	158	C10H22O	000544-01-4	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

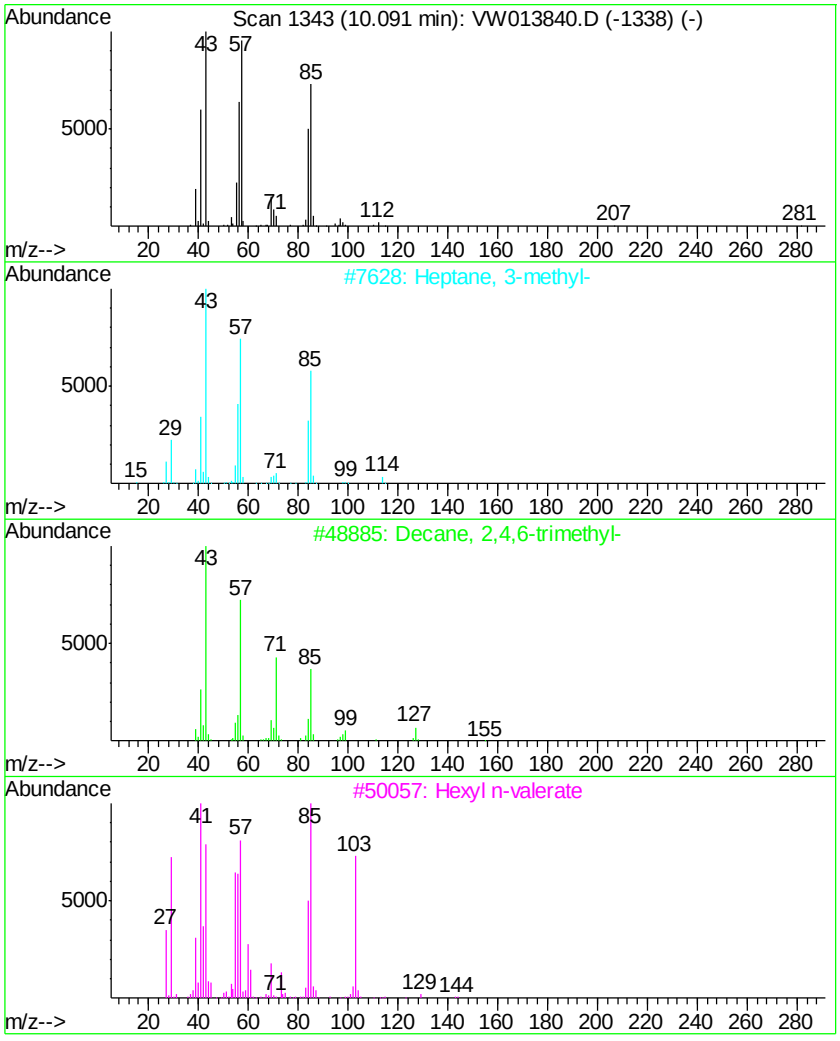
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

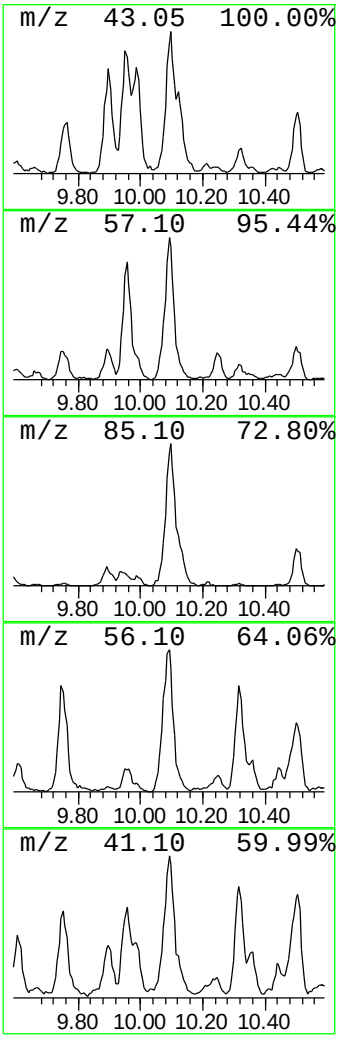
****

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	10.31 ug/L	279475	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	64
2	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	50
3	Hexyl n-valerate	186	C11H22O2	001117-59-5	50
4	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	50
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

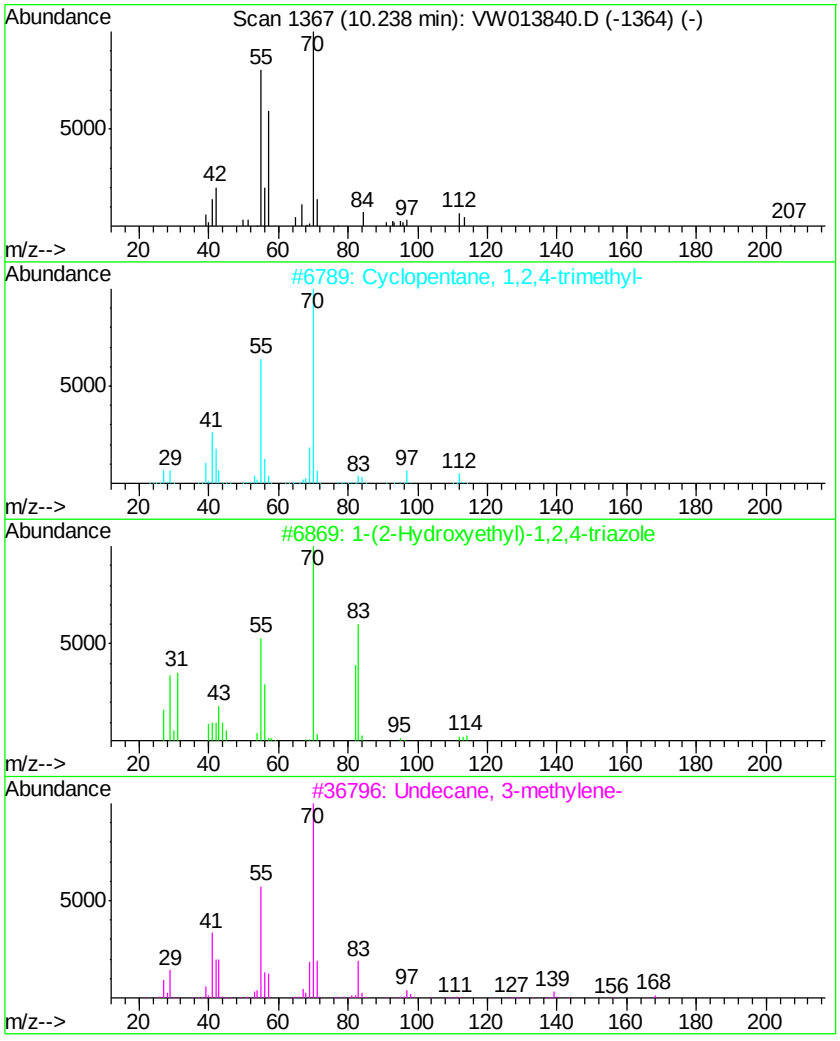
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

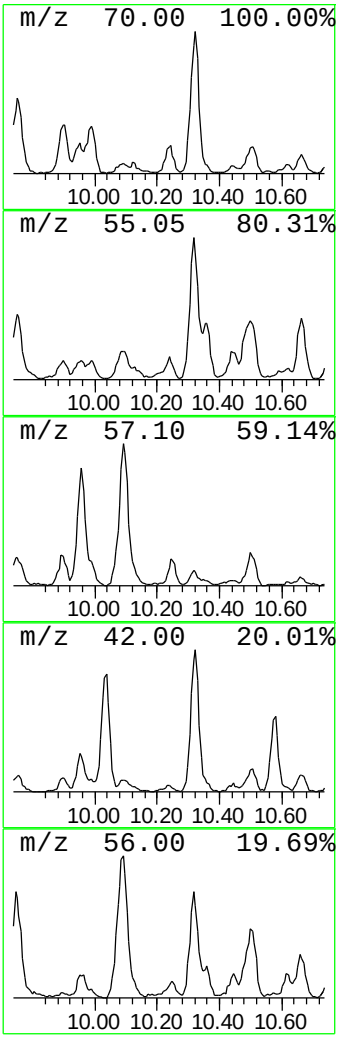
****

Peak Number 26 (DEL) Alkane: Cyclic10.24 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	1.51 ug/L	41075	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72
2	1-(2-Hydroxyethyl)-1,2,4-triazole	113	C4H7N3O	003273-14-1	64
3	Undecane, 3-methylene-	168	C12H24	071138-64-2	50
4	Cyclobutane, 2-ethyl-1-methyl-3-...	140	C10H20	061233-72-5	50
5	Tridecane, 3-methylene-	196	C14H28	019780-34-8	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

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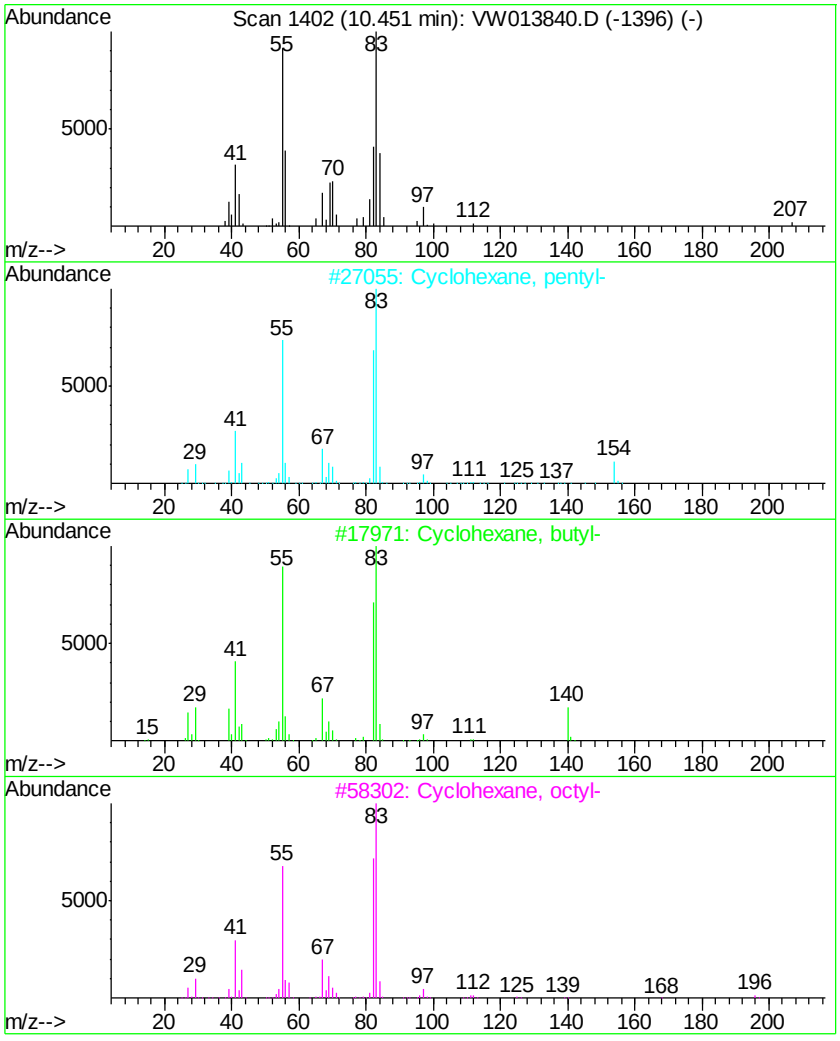
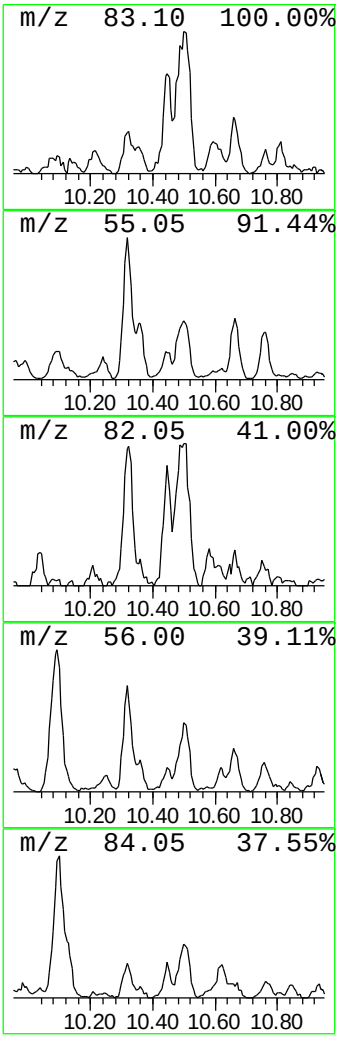
Peak Number 27 (DEL) Alkane: Cyclic10.45 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	1.65 ug/L	44809	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	47
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	47
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	47
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

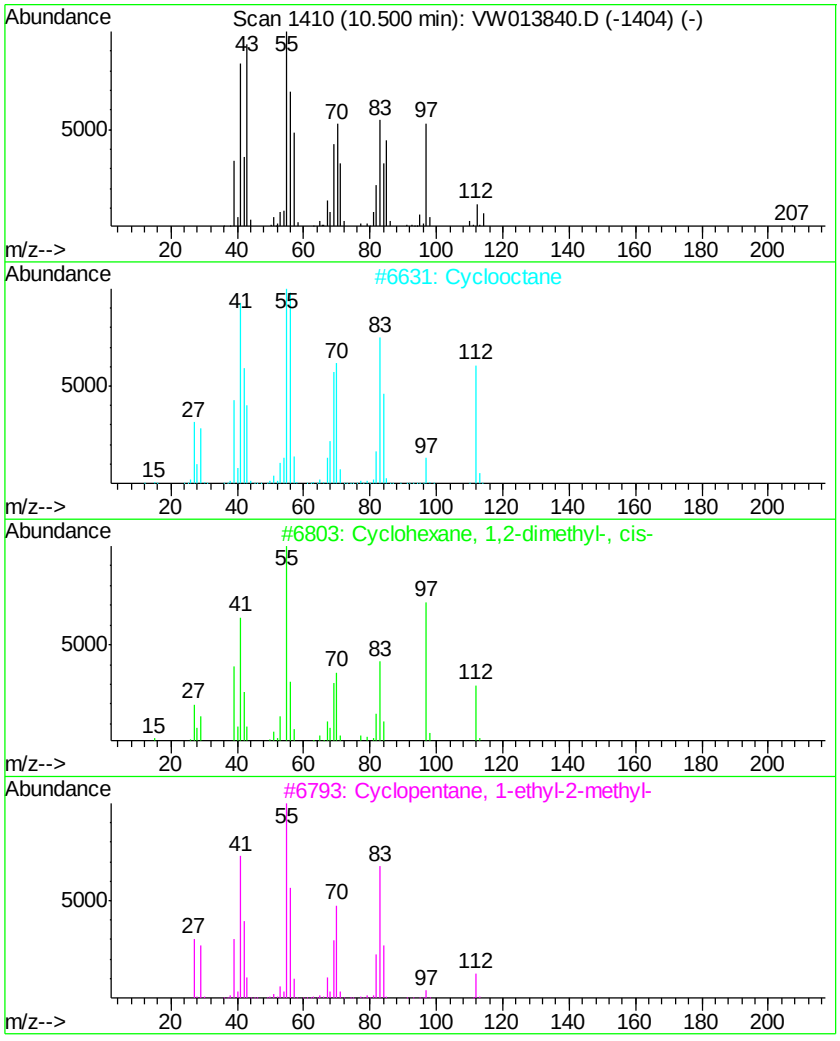
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

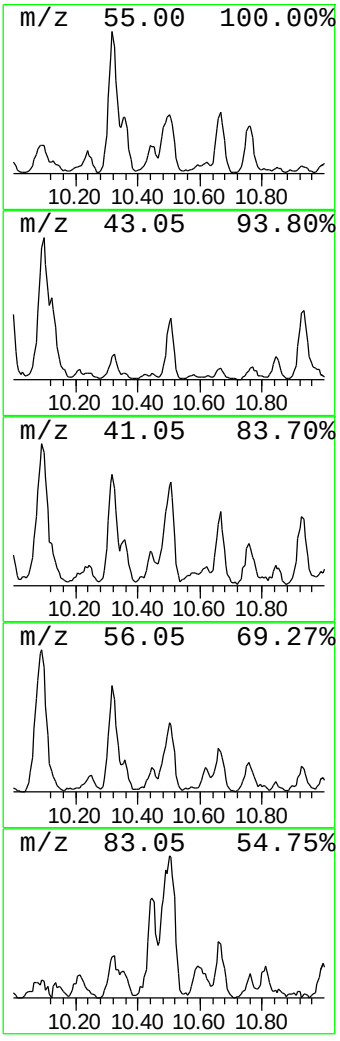
****

Peak Number 28 (DEL) Alkane: Cyclic10.50 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	7.62 ug/L	207395	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane	112	C8H16	000292-64-8	60
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	52
3	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	49
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	46
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

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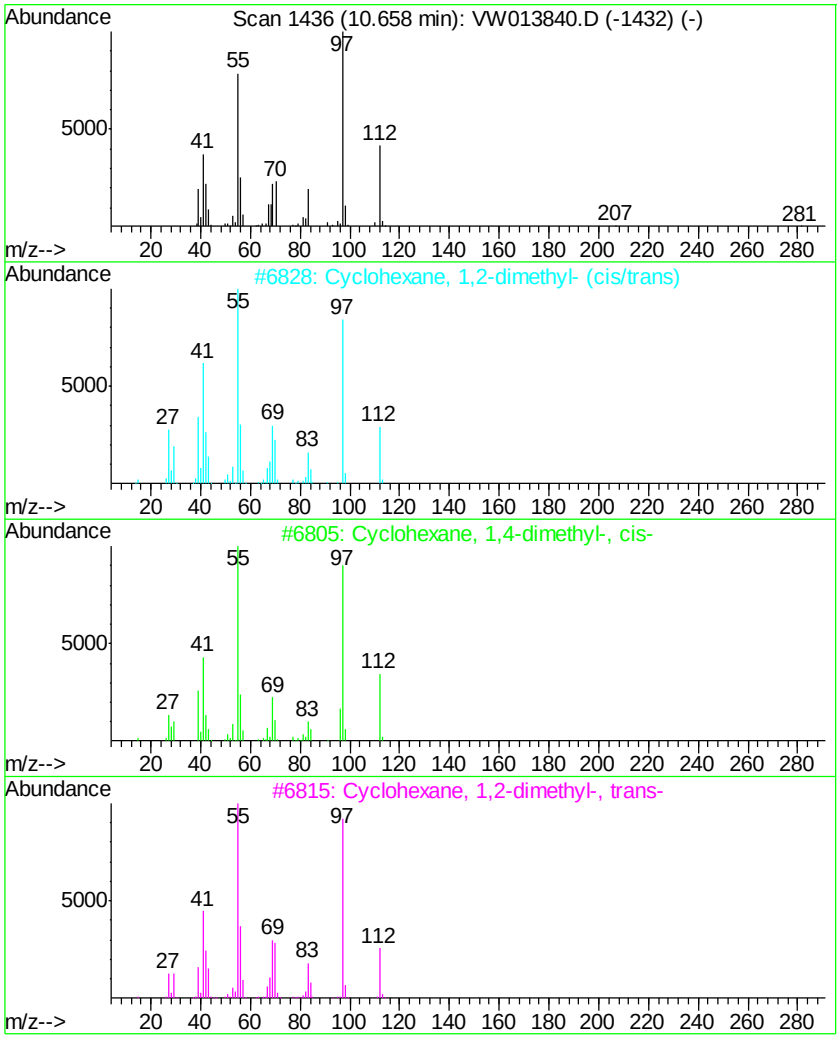
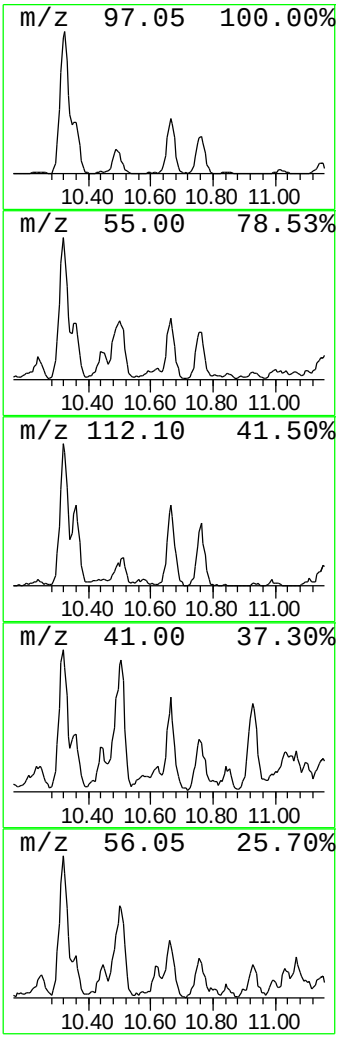
Peak Number 29 (DEL) Alkane: Cyclic10.66 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	4.23 ug/L	115193	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	83
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

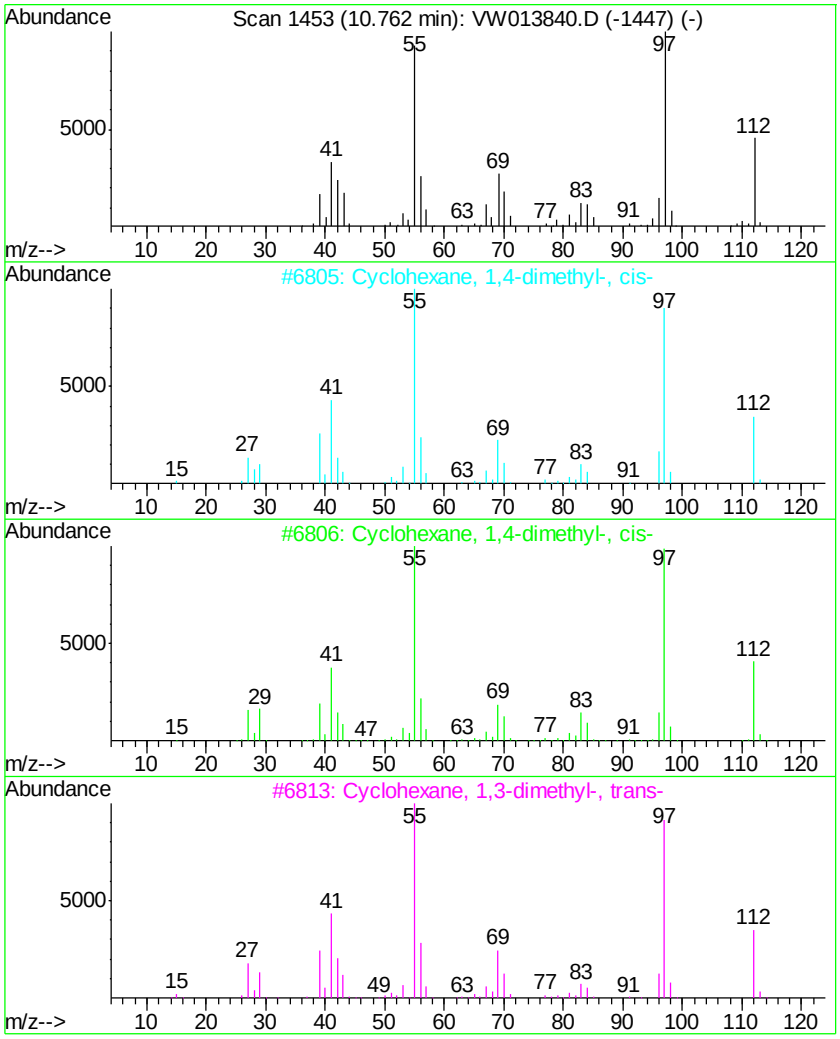
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

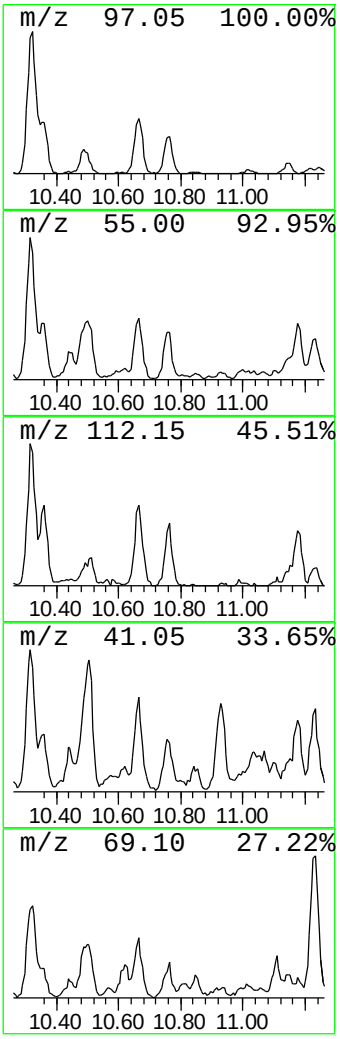
****

Peak Number 30 (DEL) Alkane: Cyclic10.76 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	2.97 ug/L	80774	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

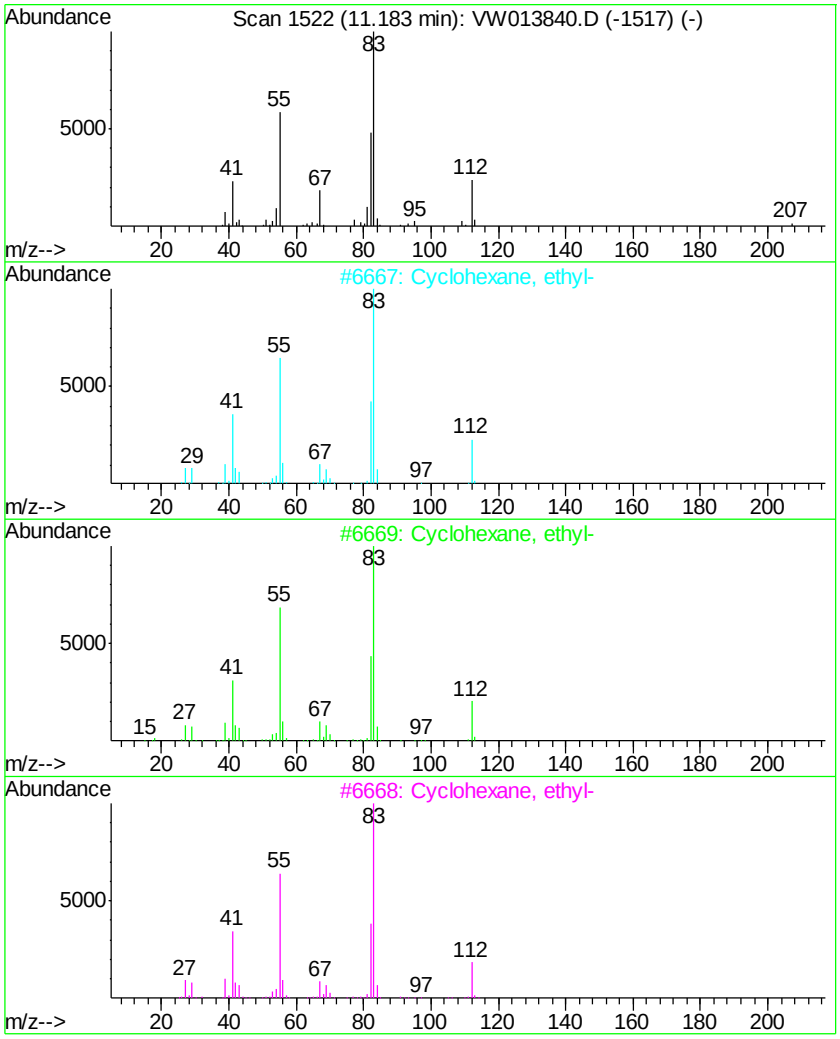
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

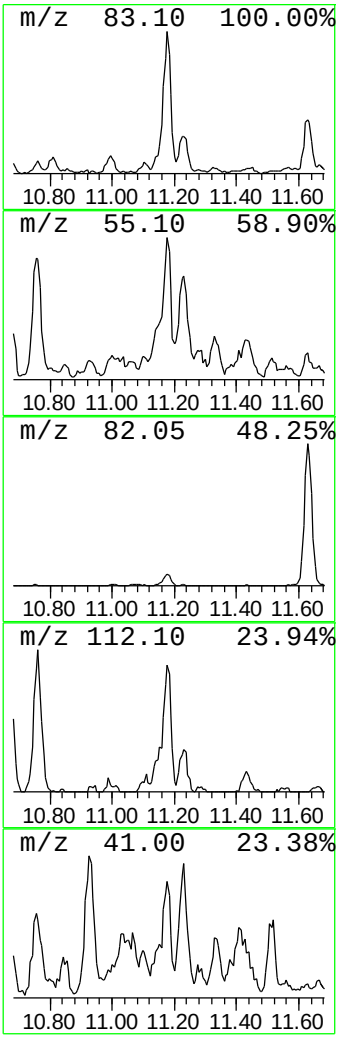
****

Peak Number 31 (DEL) Alkane: Cyclic11.18 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	2.22 ug/L	60472	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

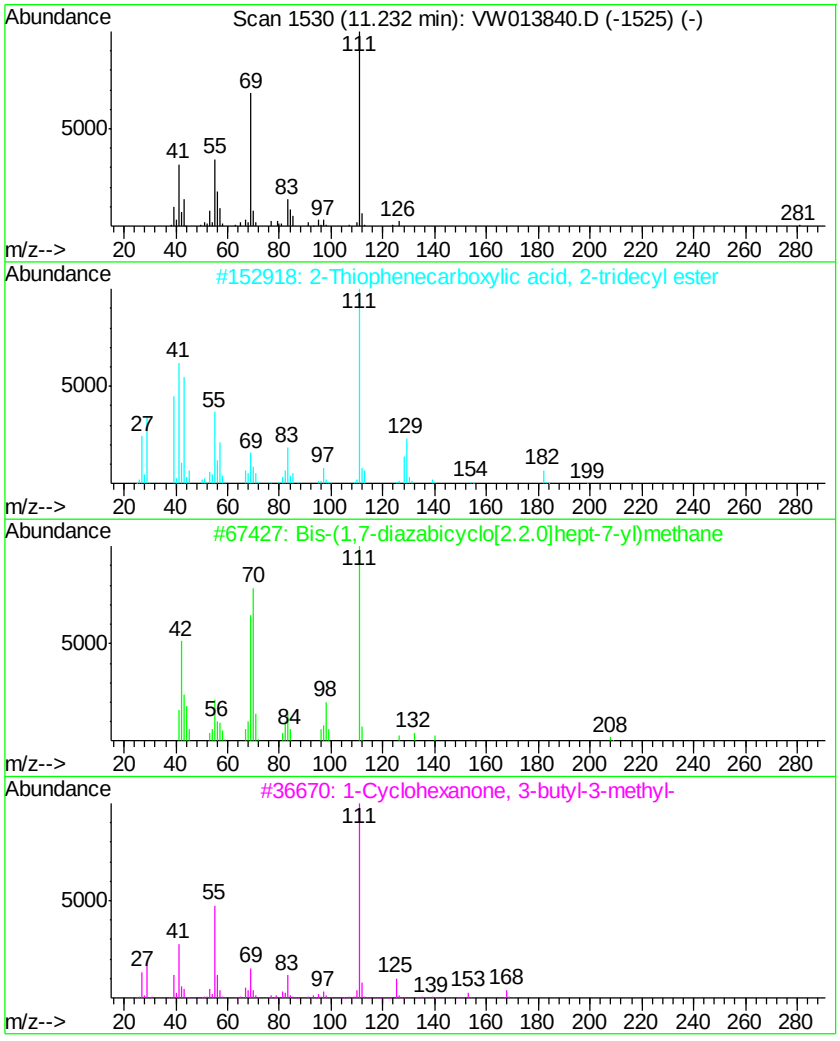
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

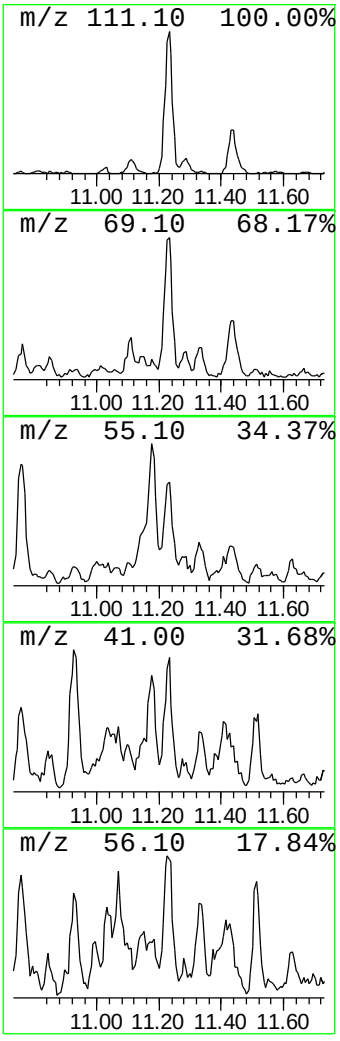
****

Peak Number 32 2-Thiophenecarboxylic acid,... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	4.07 ug/L	110780	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Thiophenecarboxylic acid, 2-tr...	310	C18H30O2S	1000280-65-9	64
2	Bis-(1,7-diazabicyclo[2.2.0]hept...	208	C11H20N4	1000284-25-2	64
3	1-Cyclohexanone, 3-butyl-3-methyl-	168	C11H20O	051756-29-7	64
4	2-Fluoro-6-methylpyridine	111	C6H6FN	000407-22-7	59
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

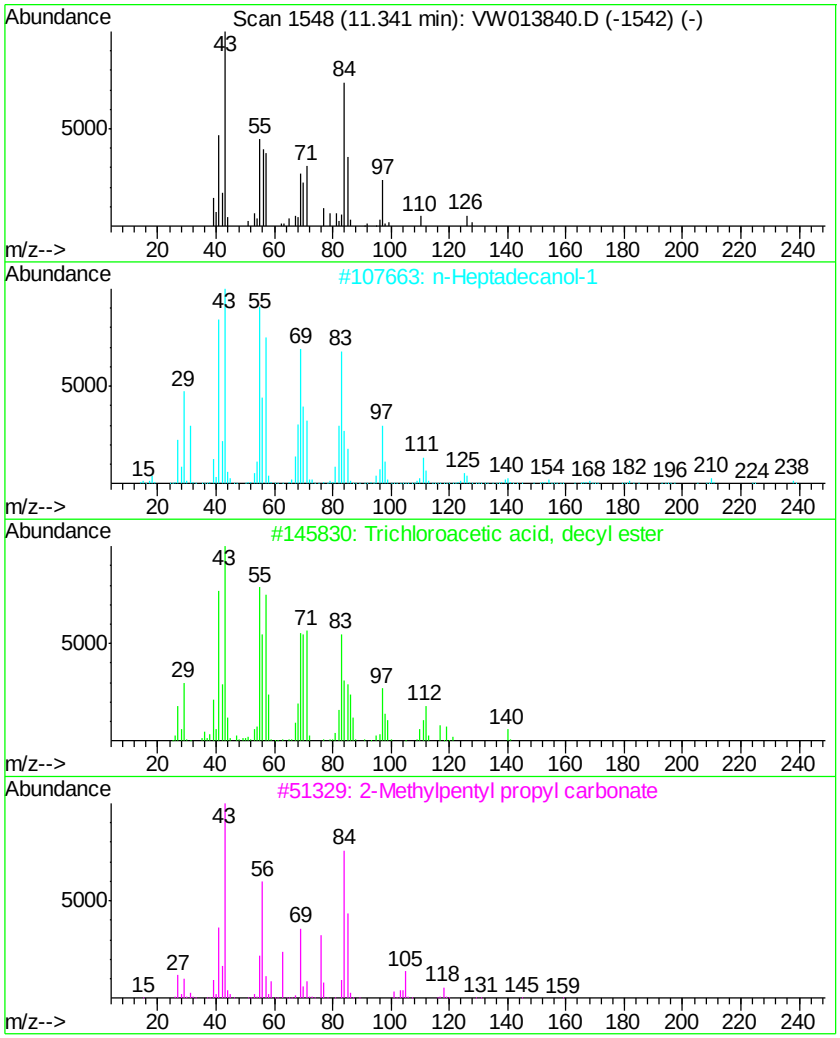
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

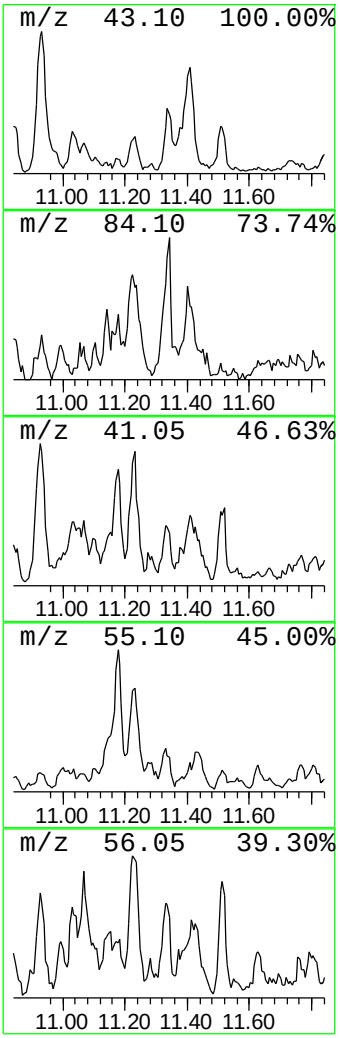
****

Peak Number 33 n-Heptadecanol-1 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	1.55 ug/L	42075	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Heptadecanol-1	256	C17H36O	001454-85-9	59
2	Trichloroacetic acid, decyl ester	302	C12H21Cl3O2	065611-33-8	47
3	2-Methylpentyl propyl carbonate	188	C10H20O3	1000372-82-5	47
4	1-Dodecanethiol	202	C12H26S	000112-55-0	47
5	Oxalic acid, decyl propyl ester	272	C15H28O4	1000309-26-3	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

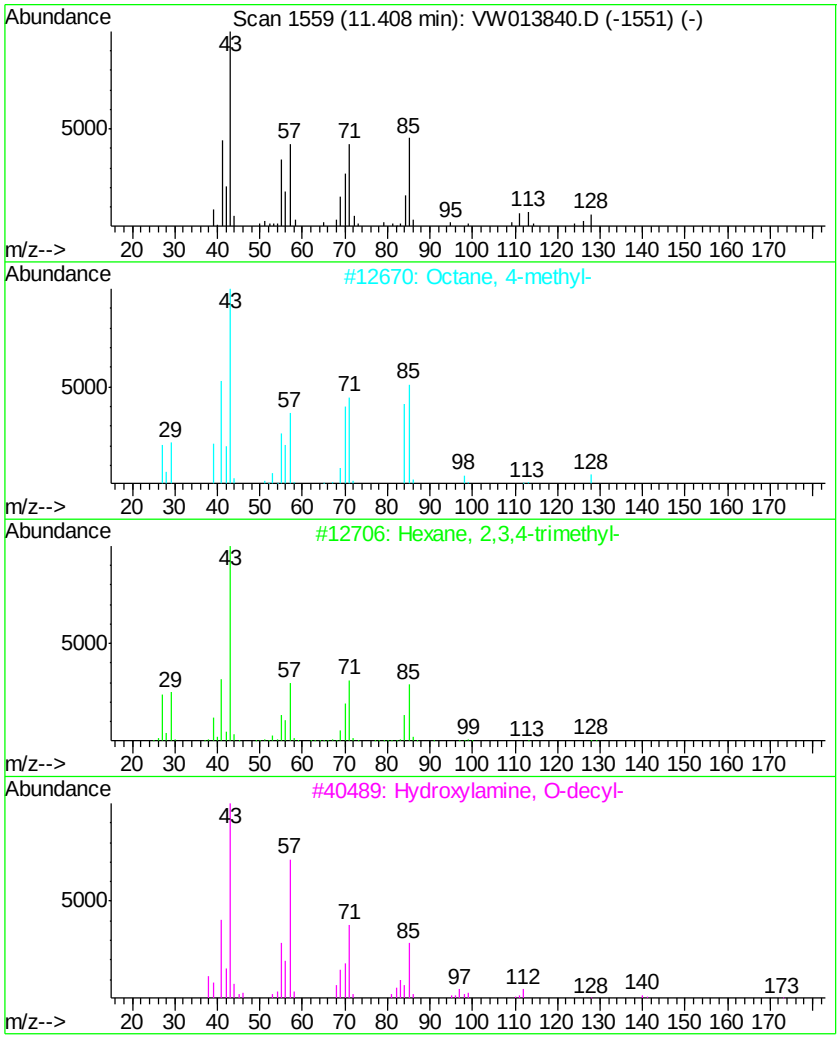
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

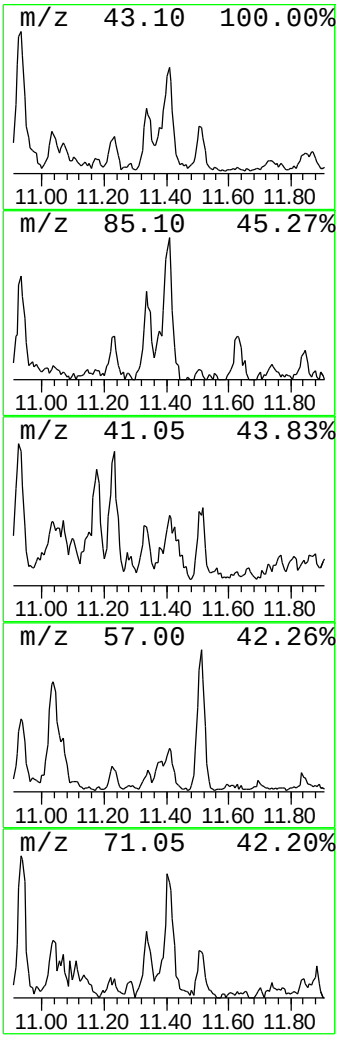
****

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	1.75 ug/L	47732	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	72
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
3	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	59
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

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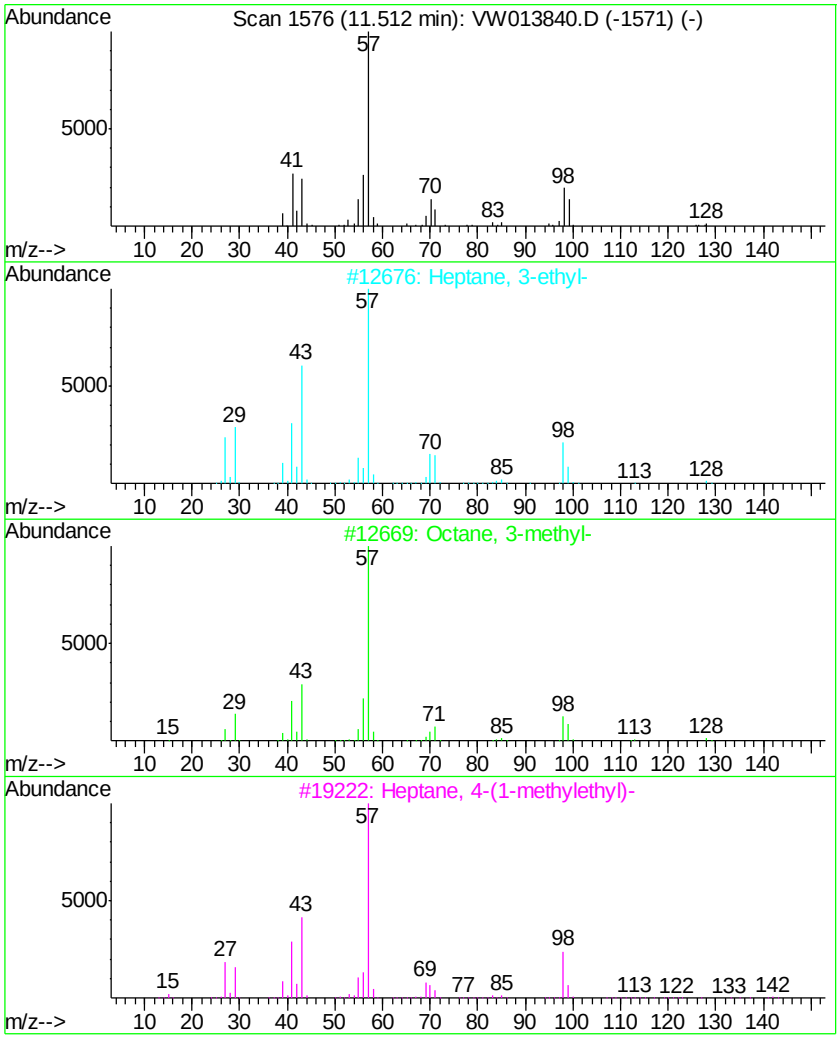
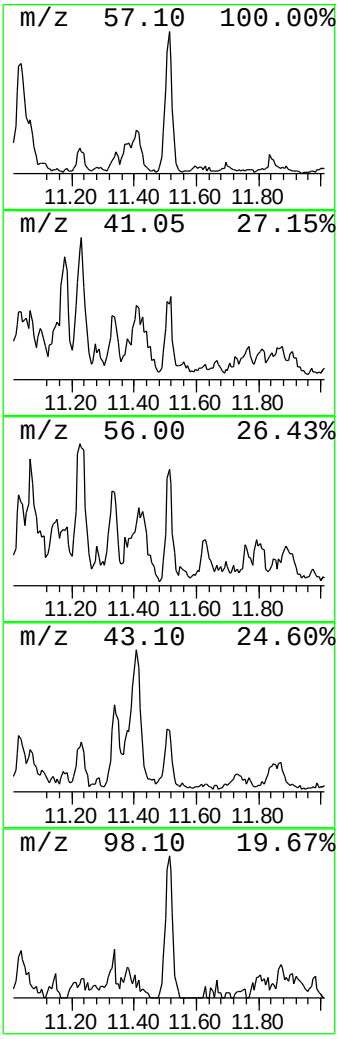
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	1.62 ug/L	44016	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	64
2	Octane, 3-methyl-	128	C9H20	002216-33-3	64
3	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	53
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	52
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

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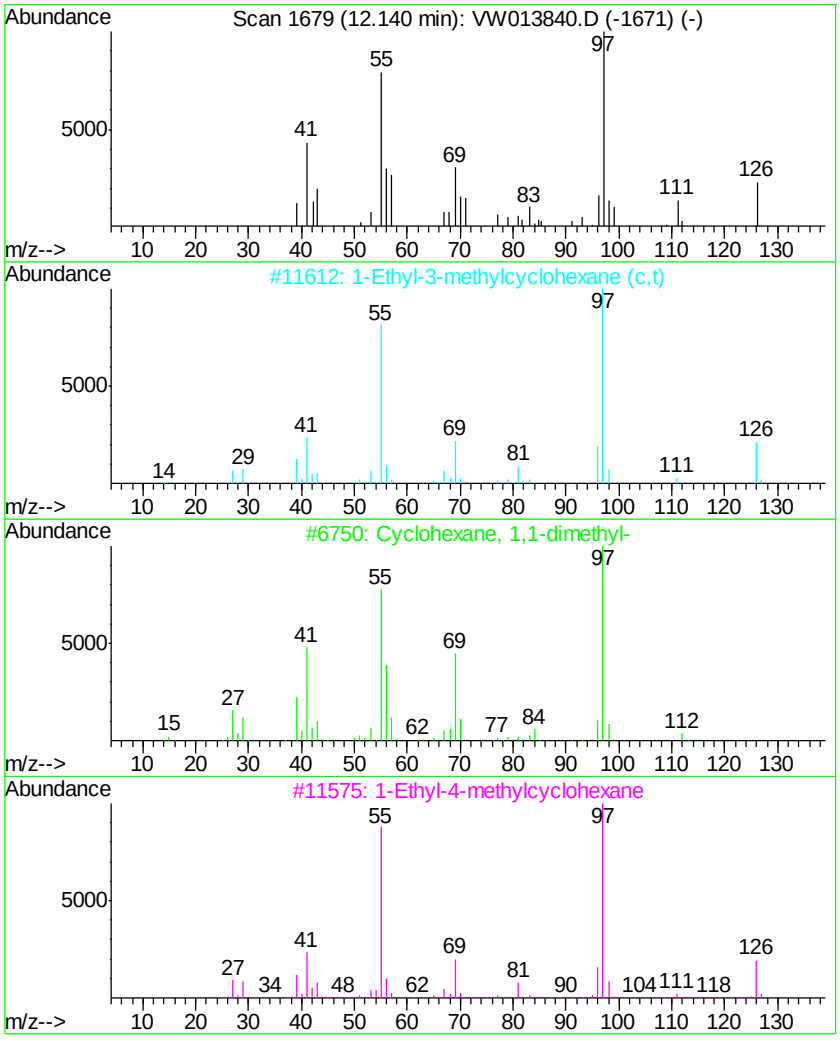
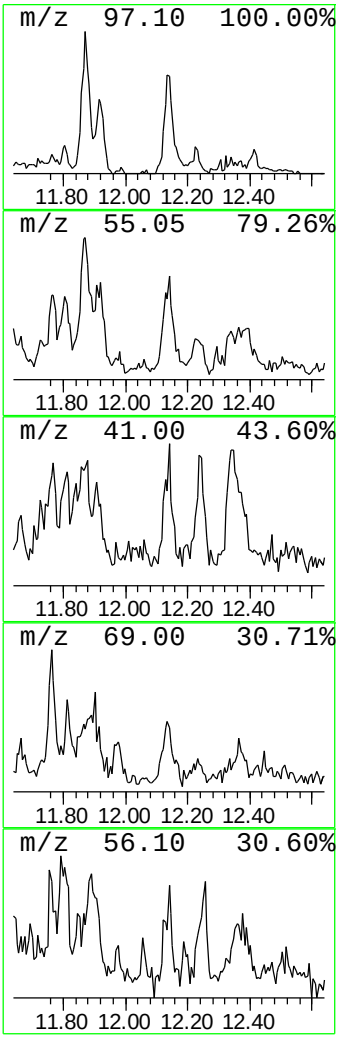
Peak Number 36 (DEL) Alkane: Cyclic12.14 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	1.37 ug/L	37271	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	62
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	59
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	58
5	4-Octen-3-one	126	C8H14O	014129-48-7	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

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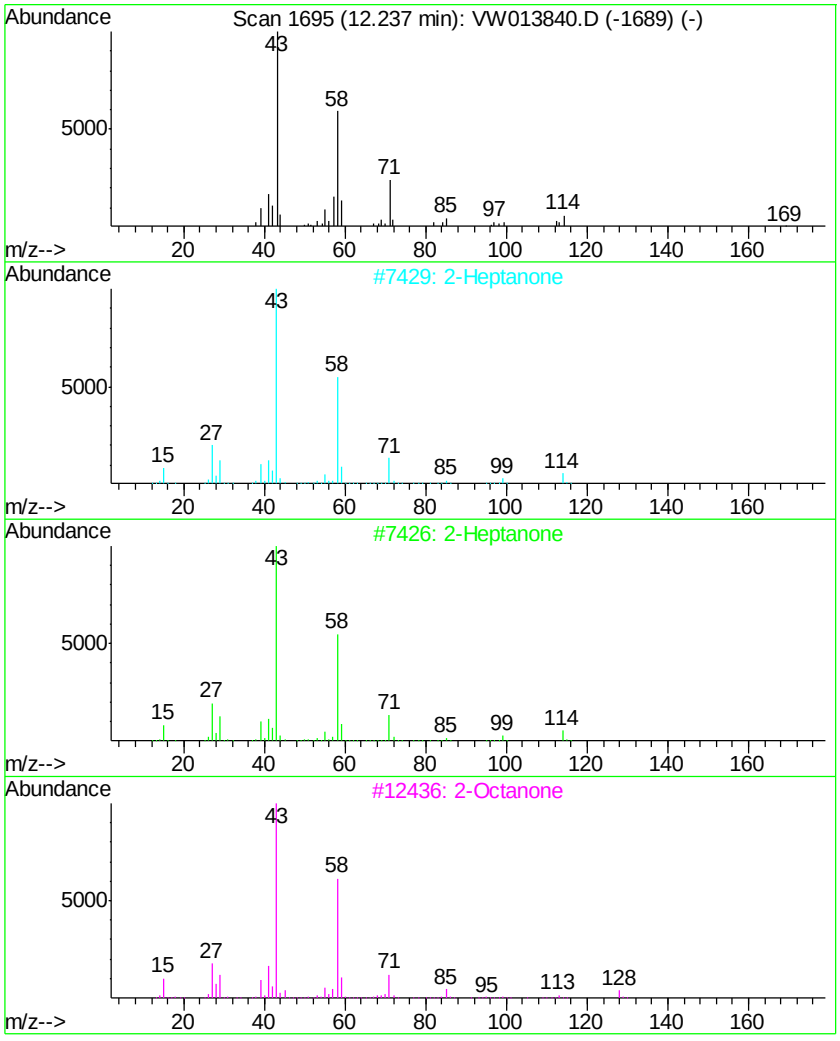
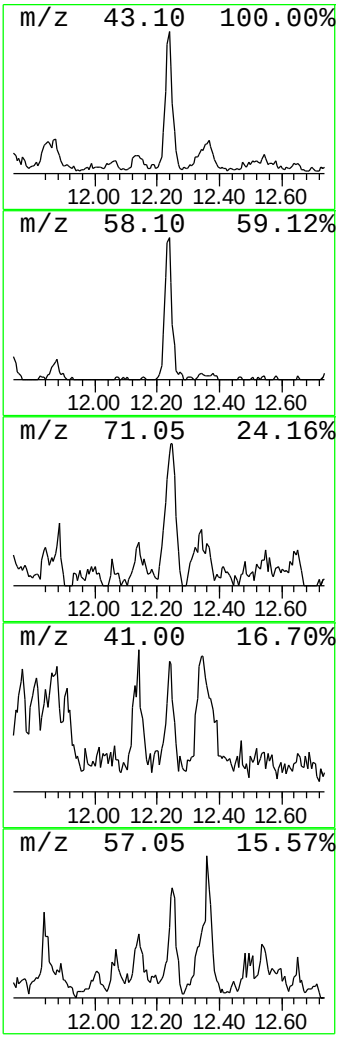
Peak Number 37 2-Heptanone Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	1.40 ug/L	38113	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	72
2	2-Heptanone	114	C7H14O	000110-43-0	72
3	2-Octanone	128	C8H16O	000111-13-7	64
4	2-Heptanone	114	C7H14O	000110-43-0	64
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

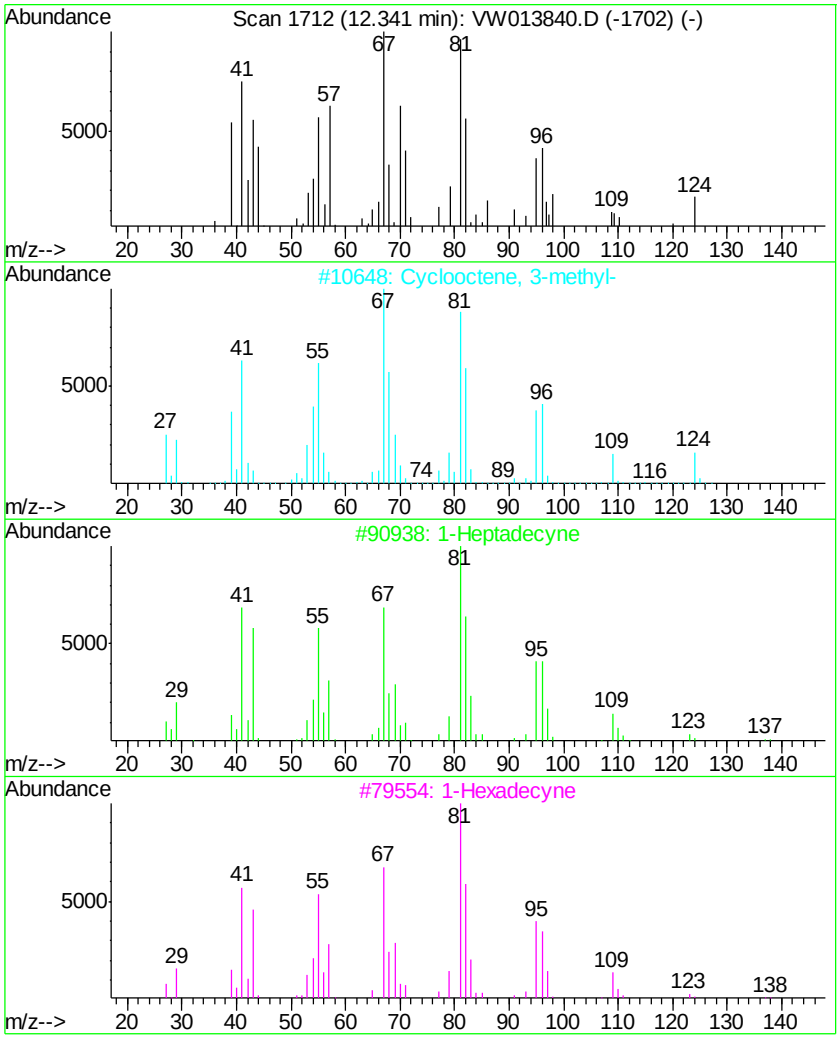
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

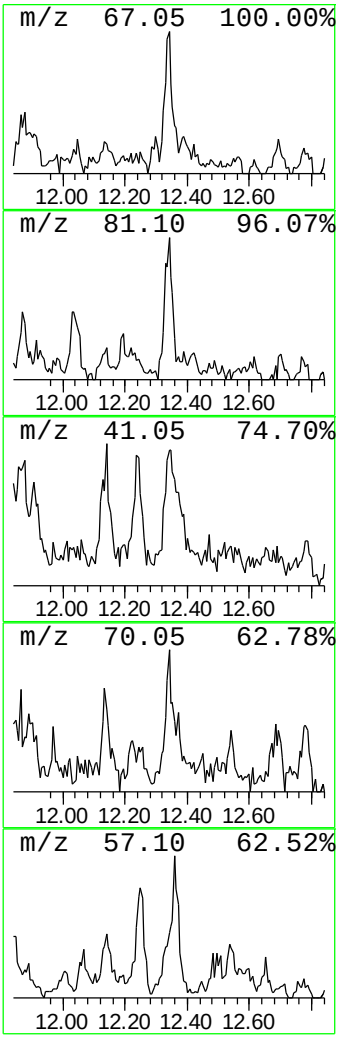
****

Peak Number 38 Cyclooctene, 3-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.08 ug/L	56550	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	58
2	1-Heptadecyne	236	C17H32	026186-00-5	49
3	1-Hexadecyne	222	C16H30	000629-74-3	46
4	1-Tridecyne	180	C13H24	026186-02-7	46
5	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
Data File : VW013840.D
Acq On : 30 Oct 2019 16:26
Operator : SY/VA
Sample : K5596-02
Misc : 5.86G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAQA3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.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
2-Butenal, (E)-	1.96	1.6	ug/L	44628	1	8.84	677456	25.0
(DEL) Alkane: Str...	3.03	7.5	ug/L	202000	1	8.84	677456	25.0
(DEL) Alkane: Str...	3.39	6.6	ug/L	179385	1	8.84	677456	25.0
(DEL) Alkane: Str...	4.96	26.0	ug/L	703341	1	8.84	677456	25.0
(DEL) Alkane: Str...	5.43	14.7	ug/L	397969	1	8.84	677456	25.0
(DEL) Alkane: Str...	5.94	10.5	ug/L	284129	1	8.84	677456	25.0
Pentane, 2-chloro...	6.72	1.6	ug/L	42042	1	8.84	677456	25.0
(DEL) Alkane: Str...	6.87	3.7	ug/L	100502	1	8.84	677456	25.0
(DEL) Alkane: Cyc...	6.98	22.2	ug/L	602411	1	8.84	677456	25.0
Ethyl Acetate	7.25	7.2	ug/L	194615	1	8.84	677456	25.0
(DEL) Alkane: Str...	8.03	9.5	ug/L	257572	1	8.84	677456	25.0
(DEL) Alkane: Str...	8.15	22.4	ug/L	607338	1	8.84	677456	25.0
unknown-01	8.22	1.9	ug/L	50196	1	8.84	677456	25.0
(DEL) Alkane: Cyc...	8.43	12.9	ug/L	348187	1	8.84	677456	25.0
(DEL) Alkane: Cyc...	8.51	12.6	ug/L	340145	1	8.84	677456	25.0
(DEL) Alkane: Cyc...	8.57	13.5	ug/L	365540	1	8.84	677456	25.0
(DEL) Alkane: Str...	8.70	6.1	ug/L	165030	1	8.84	677456	25.0
(DEL) Alkane: Cyc...	9.51	4.7	ug/L	127116	1	8.84	677456	25.0
(DEL) Alkane: Cyc...	9.60	5.7	ug/L	153314	1	8.84	677456	25.0
(DEL) Alkane: Cyc...	9.75	7.5	ug/L	201987	1	8.84	677456	25.0
(DEL) Alkane: Str...	9.90	4.3	ug/L	115140	1	8.84	677456	25.0
(DEL) Alkane: Str...	9.96	5.5	ug/L	150045	1	8.84	677456	25.0
(DEL) Alkane: Str...	9.99	2.8	ug/L	75847	1	8.84	677456	25.0
(DEL) Alkane: Str...	10.09	10.3	ug/L	279475	1	8.84	677456	25.0
(DEL) Alkane: Cyc...	10.24	1.5	ug/L	41075	2	11.63	680590	25.0
(DEL) Alkane: Cyc...	10.45	1.6	ug/L	44809	2	11.63	680590	25.0
(DEL) Alkane: Cyc...	10.50	7.6	ug/L	207395	2	11.63	680590	25.0
(DEL) Alkane: Cyc...	10.66	4.2	ug/L	115193	2	11.63	680590	25.0
(DEL) Alkane: Cyc...	10.76	3.0	ug/L	80774	2	11.63	680590	25.0
(DEL) Alkane: Cyc...	11.18	2.2	ug/L	60472	2	11.63	680590	25.0
2-Thiophenecarbox...	11.23	4.1	ug/L	110780	2	11.63	680590	25.0
n-Heptadecanol-1	11.34	1.6	ug/L	42075	2	11.63	680590	25.0
(DEL) Alkane: Str...	11.41	1.8	ug/L	47732	2	11.63	680590	25.0
(DEL) Alkane: Str...	11.51	1.6	ug/L	44016	2	11.63	680590	25.0
(DEL) Alkane: Cyc...	12.14	1.4	ug/L	37271	2	11.63	680590	25.0
2-Heptanone	12.24	1.4	ug/L	38113	2	11.63	680590	25.0
Cyclooctene, 3-me...	12.34	2.1	ug/L	56550	2	11.63	680590	25.0