LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

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\SOM2WLM070219S.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	2.154	37	41	47	rVB4	2200	4144	1.23%	0.186%
2	2.343	67	72	79	rVB	17846	28129	8.35%	1.266%
3	2.489	92	96	102	rBV	6848	11932	3.54%	0.537%
4	2.873	154	159	167	rBV	12941	29316	8.70%	1.319%
5	3.385	235	243	249	rBV5	2591	6180	1.83%	0.278%
6	3.489	257	260	262	rBV3	448	599	0.18%	0.027%
7	3.538	264	268	273	rVB4	722	1364	0.40%	0.061%
8	3.678	289	291	293	rVV3	535	503	0.15%	0.023%
9	3.721	293	298	304	rVB5	1358	2820	0.84%	0.127%
10	4.007	334	345	355	rVV	31873	88418	26.24%	3.978%
11	4.123	357	364	377	rVB2	11968	34234	10.16%	1.540%
12	4.391	399	408	409	rBV5	2501	4868	1.44%	0.219%
13	4.586	437	440	442	rBV3	507	523	0.16%	0.024%
14	4.672	446	454	455	rBV4	1694	2991	0.89%	0.135%
15	4.891	485	490	492	rBV4	1489	2473	0.73%	0.111%
16	5.105	521	525	526	rBV3	493	554	0.16%	0.025%
17	5.483	586	587	592	rVB3	491	560	0.17%	0.025%
18	5.586	602	604	607	rBV2	572	608	0.18%	0.027%
19	5.775	631	635	646	rVB3	1437	3542	1.05%	0.159%
20	6.476	746	750	753	rBV2	482	649	0.19%	0.029%
21	6.598	766	770	772	rBV3	685	984	0.29%	0.044%
22	6.903	810	820	826	rBV7	1032	3397	1.01%	0.153%
23	7.080	842	849	860	rBV3	11855	40960	12.15%	1.843%
24	7.269	878	880	883	rVB2	533	545	0.16%	0.025%
25	7.476	911	914	917	rBV2	405	584	0.17%	0.026%
26	7.513	917	920	921	rBV2	634	695	0.21%	0.031%
27	7.647	930	942	957	rVB	43680	110849	32.89%	4.987%
28	7.946	988	991	994	rBV3	634	872	0.26%	0.039%
29	8.025	1003	1004	1009	rVB2	567	684	0.20%	0.031%
30	8.086	1011	1014	1017	rVB3	527	522	0.15%	0.023%
31	8.275	1036	1045	1058	rBV2	86565	266325	79.03%	11.983%
32	8.494	1079	1081	1084	rVB4	694	743	0.22%	0.033%
33	8.543	1086	1089	1091	rBV4	808	1022	0.30%	0.046%
34	8.689	1106	1113	1114	rBV4	925	1432	0.42%	0.064%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

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\SOM2WLM070219S.M
Title : VOC Analysis

35	8.708	1114	1116	1118	rVB3	765	819	0.24%	0.037%
36	8.842	1127	1138	1147	rBV	53191	110618	32.82%	4.977%
37	8.921	1150	1151	1155	rVB2	653	553	0.16%	0.025%
38	8.964	1155	1158	1162	rBV4	576	922	0.27%	0.041%
39	9.275	1200	1209	1217	rVV	64537	134344	39.86%	6.044%
40	9.415	1223	1232	1237	rBV4	5574	13104	3.89%	0.590%
41	9.659	1267	1272	1276	rVV6	1345	2573	0.76%	0.116%
42	9.750	1285	1287	1292	rBV3	389	628	0.19%	0.028%
43	10.031	1326	1333	1341	rBV	28569	55165	16.37%	2.482%
44	10.122	1345	1348	1350	rBV3	815	1166	0.35%	0.052%
45	10.207	1359	1362	1370	rVB6	612	1239	0.37%	0.056%
46	10.323	1373	1381	1386	rVV	104920	188885	56.05%	8.498%
47	10.384	1386	1391	1404	rVB	188107	336998	100.00%	15.162%
48	10.579	1416	1423	1431	rVB	20531	36106	10.71%	1.625%
49	10.707	1437	1444	1449	rBV2	3178	6139	1.82%	0.276%
50	10.927	1473	1480	1492	rBV	45474	86461	25.66%	3.890%
51	11.073	1497	1504	1513	rBV	57057	97026	28.79%	4.365%
52	11.268	1535	1536	1539	rBV	632	500	0.15%	0.022%
53	11.341	1540	1548	1549	rBV5	622	848	0.25%	0.038%
54	11.573	1583	1586	1588	rBV3	535	718	0.21%	0.032%
55	11.628	1588	1595	1602	rBV	68756	120366	35.72%	5.416%
56	11.731	1609	1612	1615	rVB2	713	703	0.21%	0.032%
57	11.811	1622	1625	1626	rBV	654	674	0.20%	0.030%
58	11.841	1626	1630	1639	rVV6	1685	4339	1.29%	0.195%
59	12.024	1657	1660	1661	rBV3	481	529	0.16%	0.024%
60	12.164	1680	1683	1686	rVB4	592	627	0.19%	0.028%
61	12.244	1691	1696	1698	rBV3	1342	1831	0.54%	0.082%
62	12.335	1706	1711	1718	rBV5	1648	4071	1.21%	0.183%
63	12.469	1726	1733	1740	rBV6	1661	3226	0.96%	0.145%
64	12.609	1751	1756	1761	rVV2	7286	12961	3.85%	0.583%
65	12.695	1763	1770	1781	rVV	54752	109126	32.38%	4.910%
66	12.774	1781	1783	1786	rVV4	477	502	0.15%	0.023%
67	12.896	1800	1803	1804	rBV3	602	537	0.16%	0.024%
68	12.951	1809	1812	1813	rBV2	685	672	0.20%	0.030%
69	13.048	1826	1828	1831	rVB4	766	660	0.20%	0.030%
70	13.109	1836	1838	1844	rVB5	709	819	0.24%	0.037%
71	13.274	1859	1865	1874	rBV9	2168	4470	1.33%	0.201%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

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\SOM2WLM070219S.M
Title : VOC Analysis

72	13.402	1884	1886	1891	rVB4	996	1267	0.38%	0.057%
73	13.463	1891	1896	1899	rBV6	1529	3356	1.00%	0.151%
74	13.560	1906	1912	1919	rBV	46326	77663	23.05%	3.494%
75	13.725	1937	1939	1942	rVB4	729	628	0.19%	0.028%
76	13.755	1942	1944	1945	rBV	735	581	0.17%	0.026%
77	13.853	1953	1960	1969	rBV	64206	110108	32.67%	4.954%
78	14.079	1990	1997	2002	rBV5	1957	3674	1.09%	0.165%
79	14.274	2027	2029	2031	rVV2	669	498	0.15%	0.022%
80	14.335	2035	2039	2044	rVV5	1075	1945	0.58%	0.088%
81	14.408	2049	2051	2052	rVV2	636	553	0.16%	0.025%
82	14.426	2052	2054	2056	rVV3	1047	1125	0.33%	0.051%
83	14.463	2058	2060	2064	rVV4	1266	1436	0.43%	0.065%
84	14.530	2067	2071	2079	rVB5	2948	4916	1.46%	0.221%
85	14.707	2096	2100	2101	rBV3	560	692	0.21%	0.031%
86	14.853	2121	2124	2129	rVB4	2767	4327	1.28%	0.195%
87	14.987	2142	2146	2151	rBV5	747	986	0.29%	0.044%
88	15.078	2159	2161	2163	rVB3	663	521	0.15%	0.023%
89	15.194	2178	2180	2182	rVB2	696	626	0.19%	0.028%
90	15.219	2182	2184	2187	rBV4	571	798	0.24%	0.036%
91	15.255	2187	2190	2192	rVB3	662	793	0.24%	0.036%
92	15.536	2232	2236	2237	rBV3	568	774	0.23%	0.035%
93	15.792	2276	2278	2281	rBV4	462	569	0.17%	0.026%
94	16.048	2316	2320	2324	rVB6	2474	4802	1.42%	0.216%
95	16.176	2339	2341	2344	rVB4	741	696	0.21%	0.031%
96	16.316	2360	2364	2366	rBV4	549	967	0.29%	0.044%
97	16.432	2381	2383	2386	rBV3	572	698	0.21%	0.031%
98	16.584	2404	2408	2413	rBV7	732	1607	0.48%	0.072%
99	16.688	2422	2425	2426	rBV3	506	531	0.16%	0.024%
100	16.749	2433	2435	2438	rBV3	459	503	0.15%	0.023%

Sum of corrected areas: 2222586

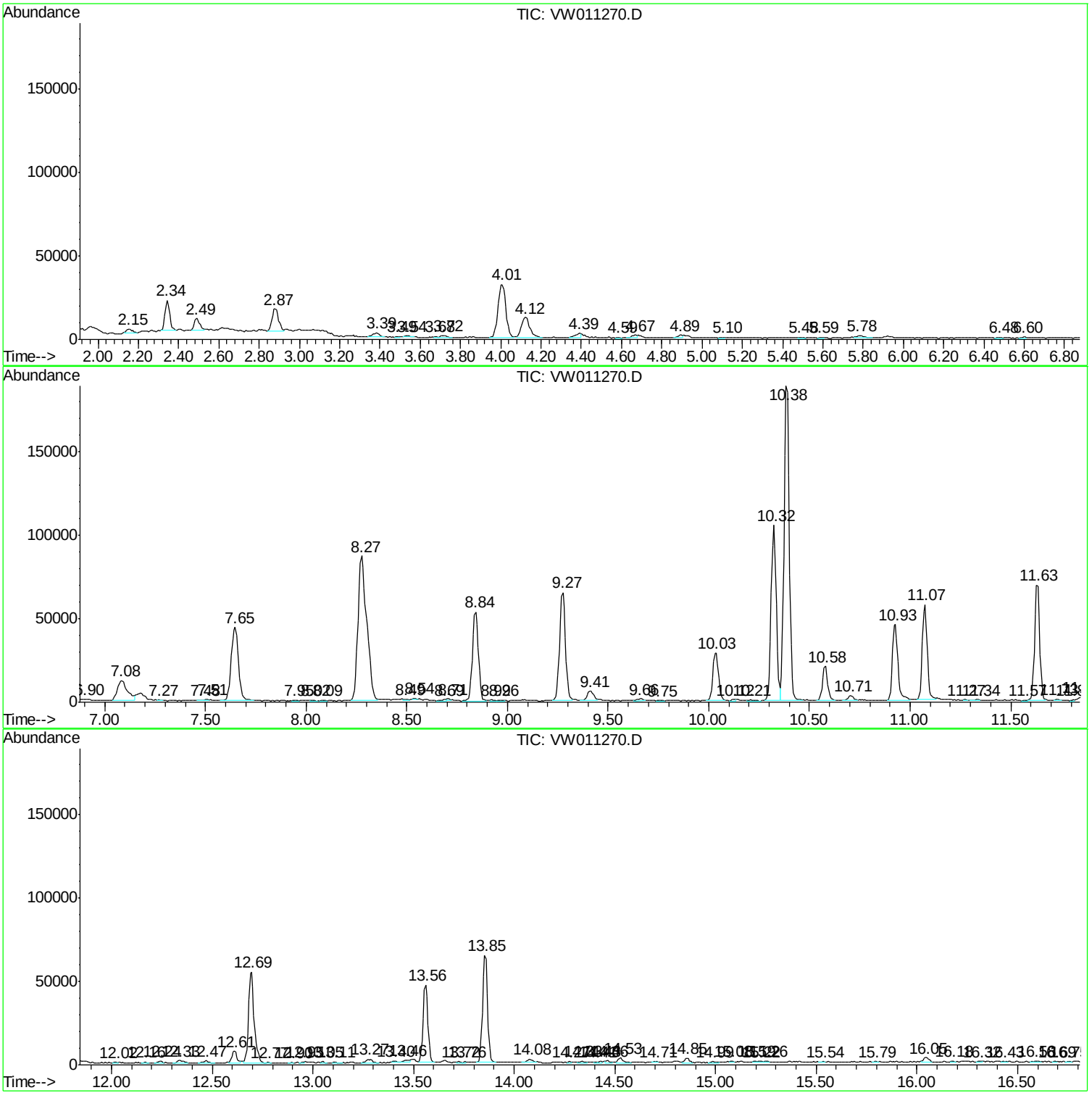
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

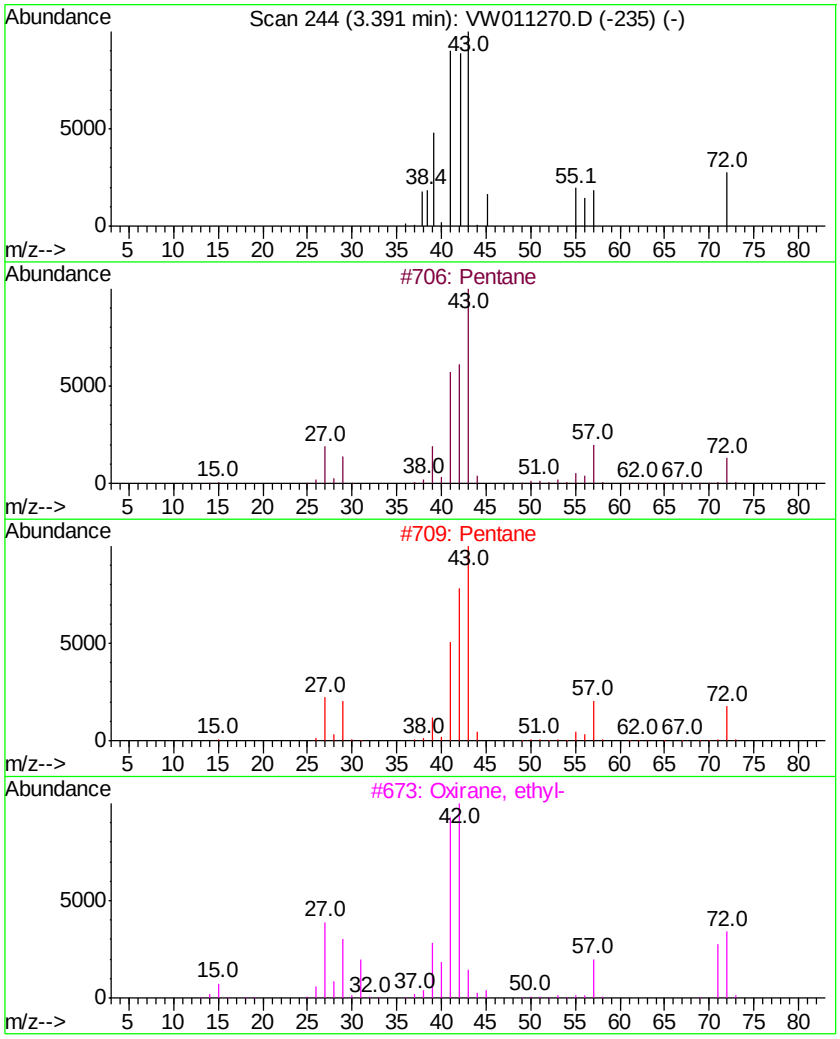
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

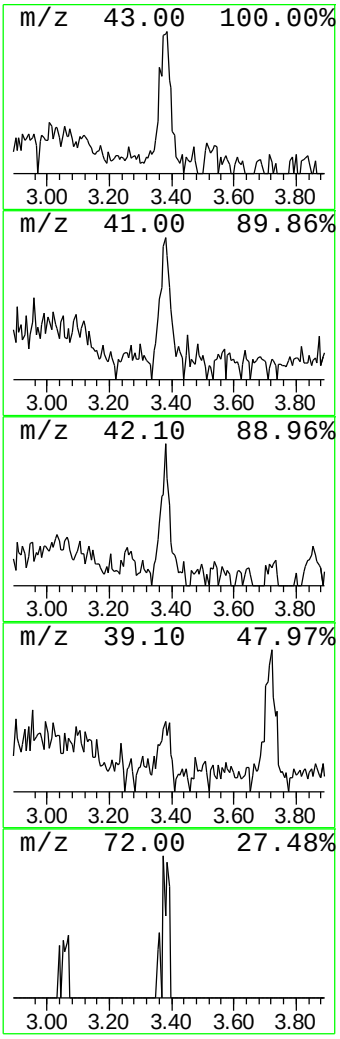
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	1.40 ug/L	6180	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	72
2	Pentane	72	C5H12	000109-66-0	64
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	40
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	33
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

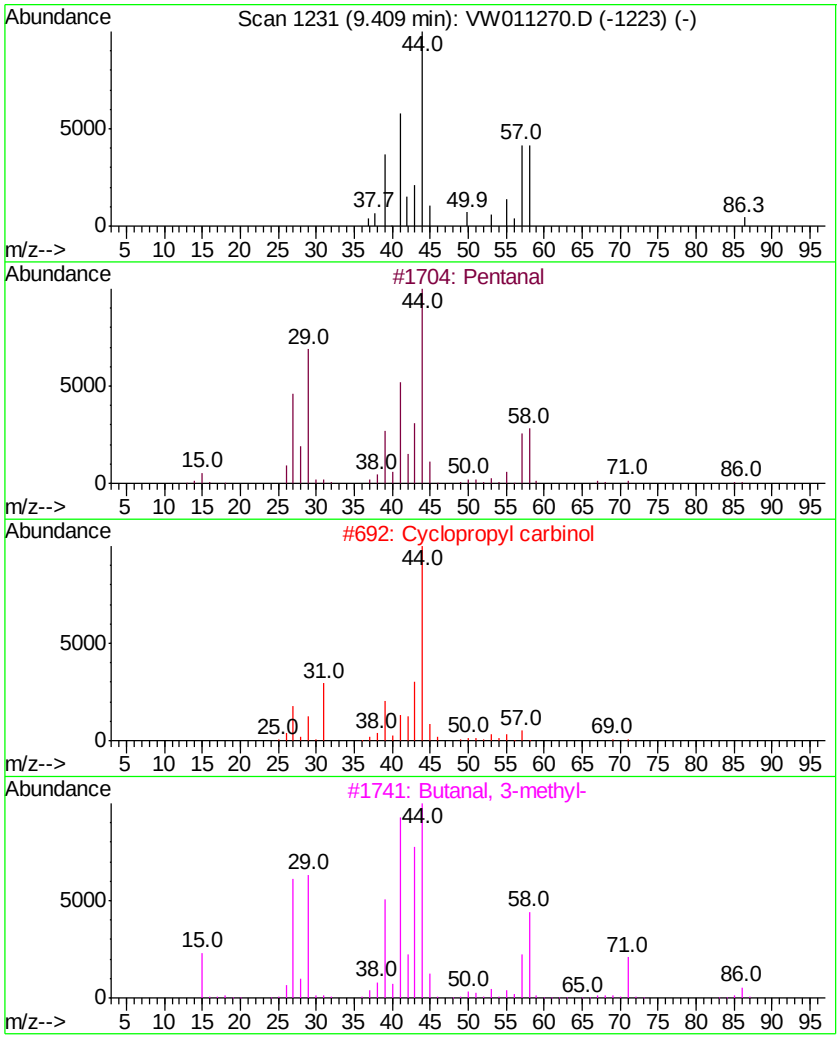
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

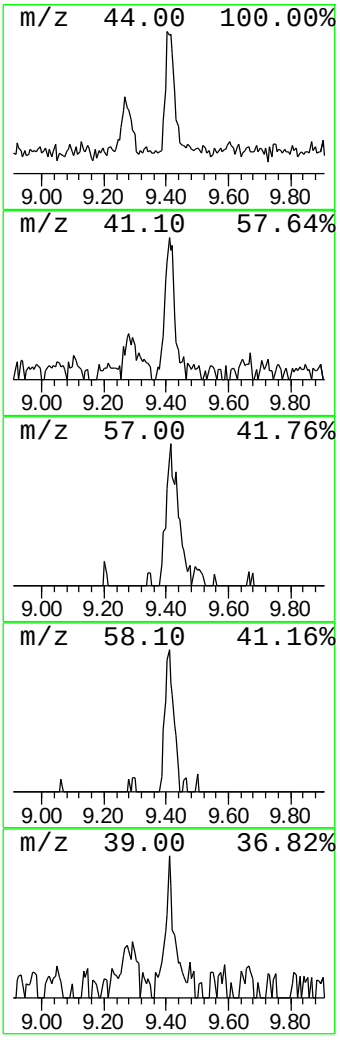
****

Peak Number 3 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	2.96 ug/L	13104	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	38
2	Cyclopropyl carbinol	72	C4H8O	002516-33-8	36
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	25
4	Ethanol, 2-(2-propenyloxy)-	102	C5H10O2	000111-45-5	9
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

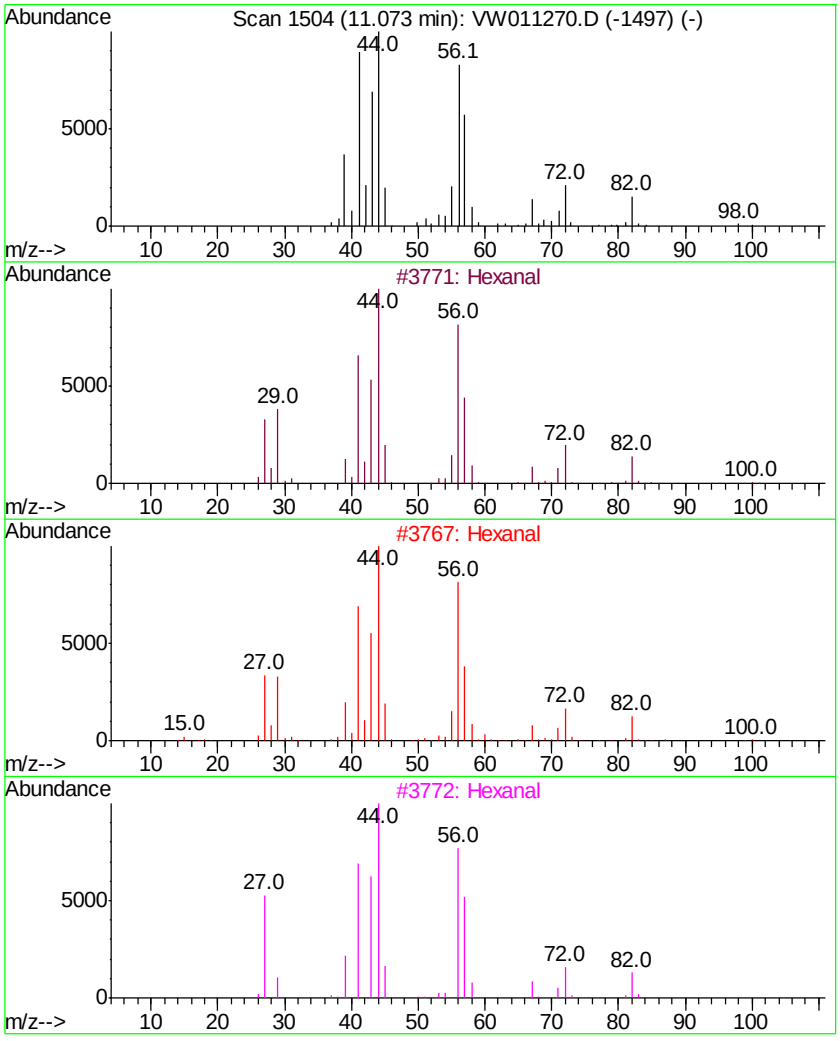
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

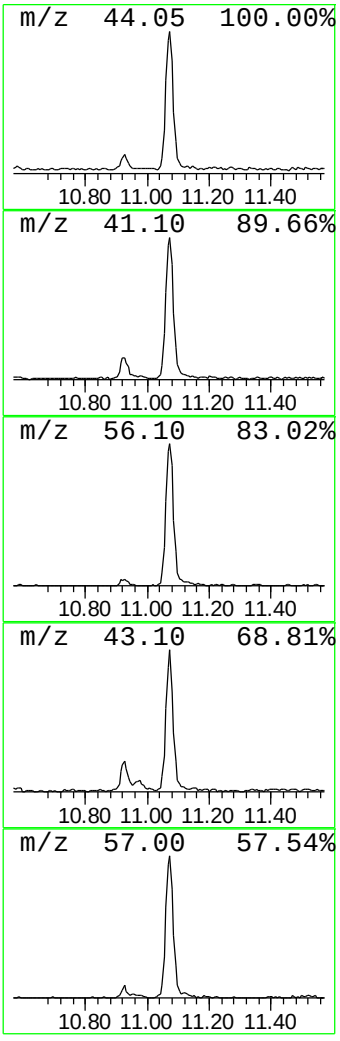
****

Peak Number 6 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	20.15 ug/L	97026	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	87
3	Hexanal	100	C6H12O	000066-25-1	86
4	Hexanal	100	C6H12O	000066-25-1	78
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

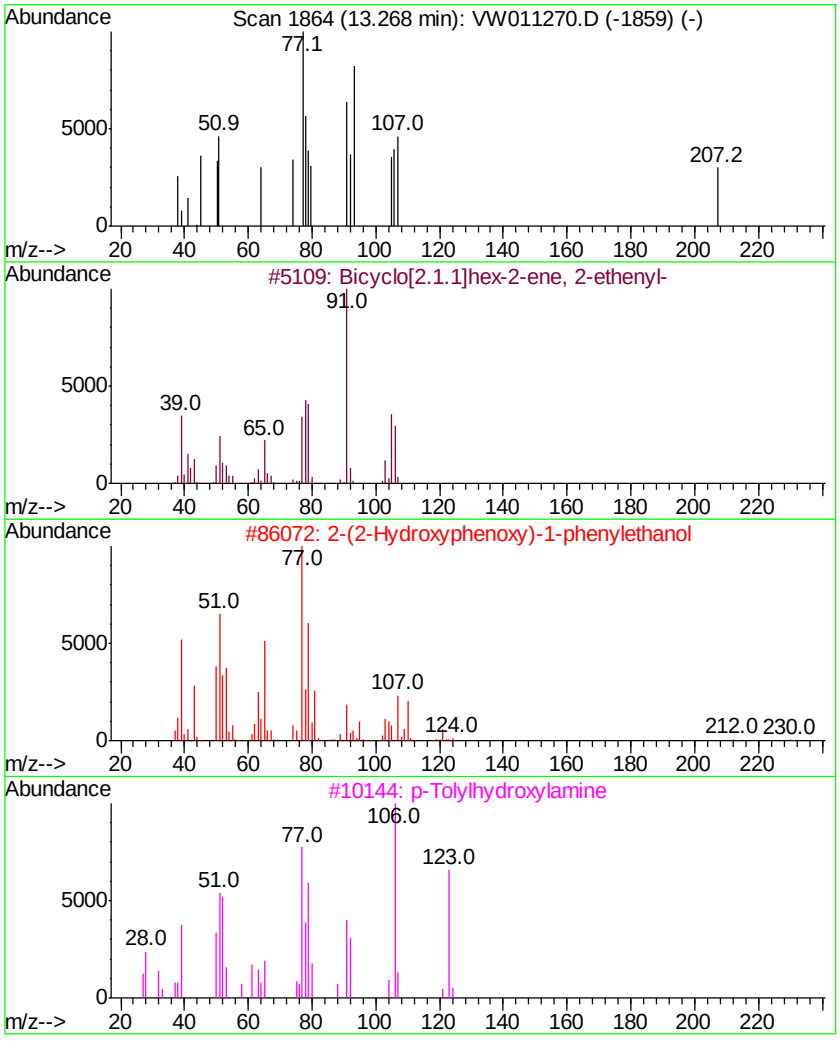
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

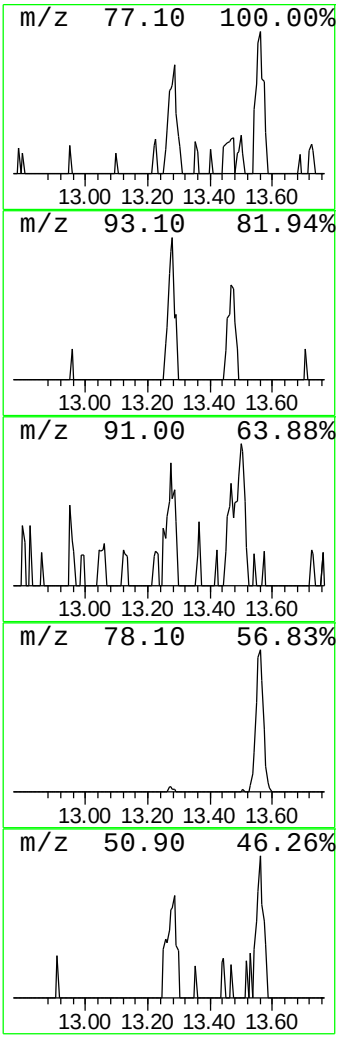
****

Peak Number 8 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	1.44 ug/L	4470	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.1.1]hex-2-ene, 2-ethenyl-	106	C8H10	128600-91-9	49
2	2-(2-Hydroxyphenoxy)-1-phenyleth...	230	C14H14O3	328104-89-8	43
3	p-Tolylhydroxylamine	123	C7H9NO	000623-10-9	38
4	Benzaldehyde	106	C7H6O	000100-52-7	38
5	Benzenamine, N-(2-pyridinylmethy...	182	C12H10N2	007032-25-9	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

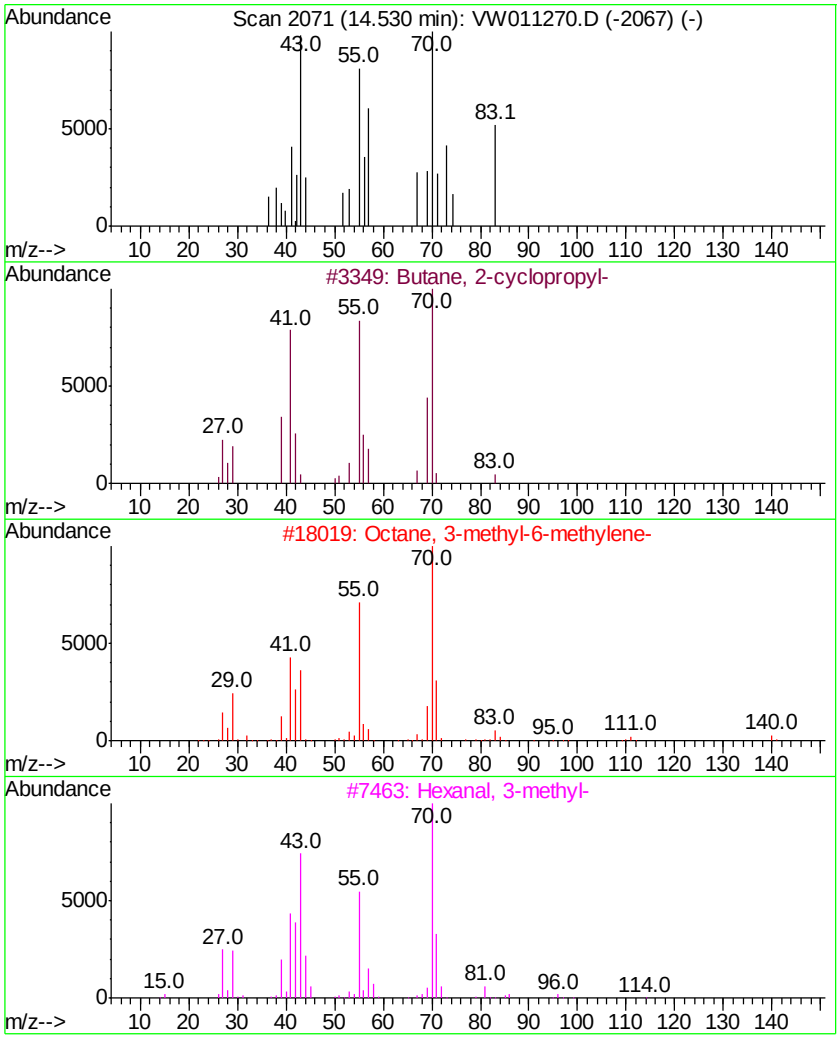
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

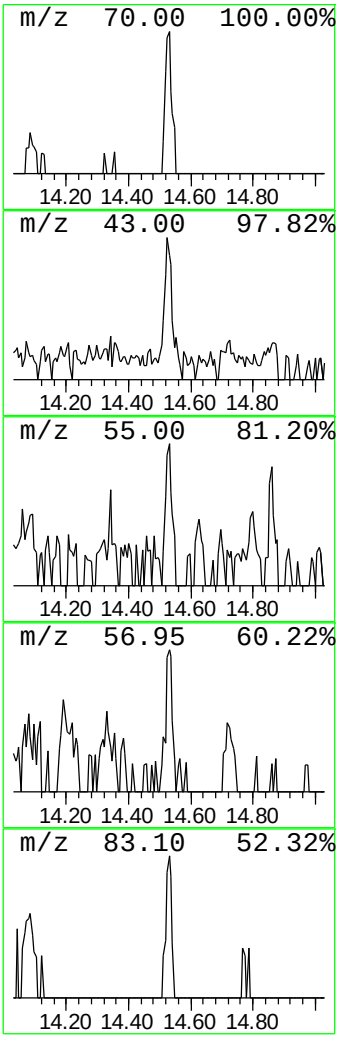
****

Peak Number 9 (DEL) Alkane: Cyclic14.53 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	1.58 ug/L	4916	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	9
2	Octane, 3-methyl-6-methylene-	140	C10H20	074630-07-2	9
3	Hexanal, 3-methyl-	114	C7H14O	019269-28-4	9
4	Heptane, 3-ethyl-5-methylene-	140	C10H20	1000160-41-7	9
5	1,5-Pentanediol, 3-methyl-	118	C6H14O2	004457-71-0	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

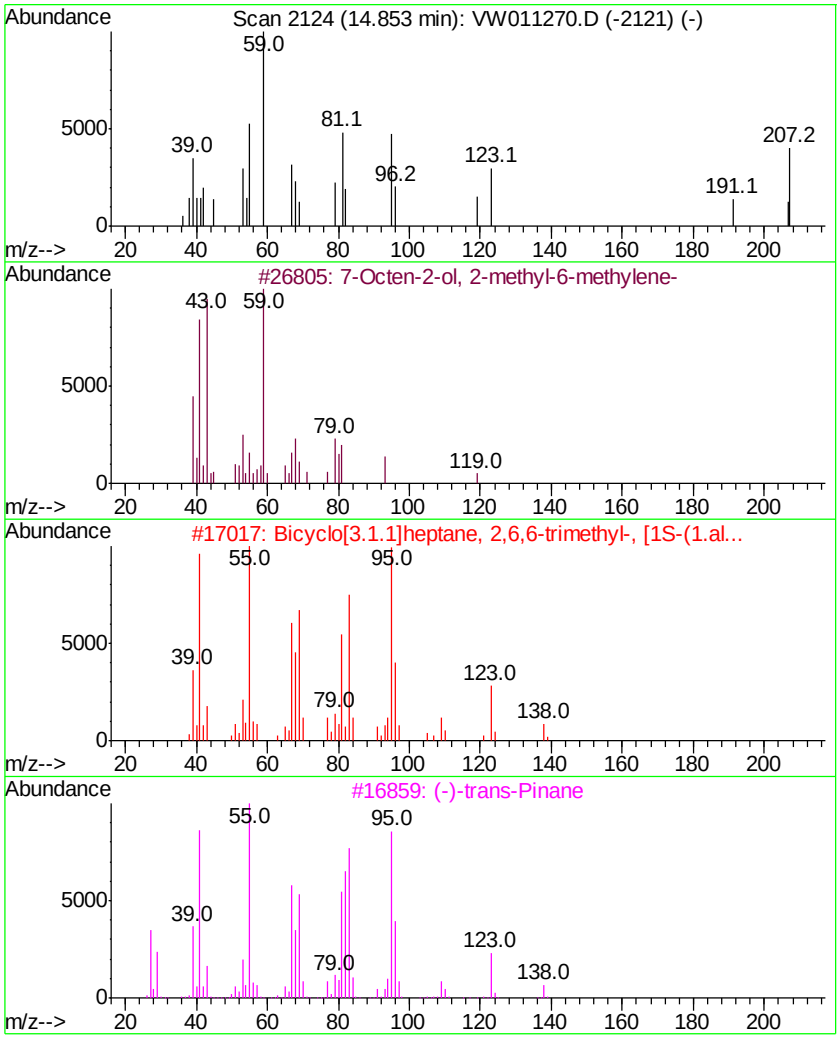
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

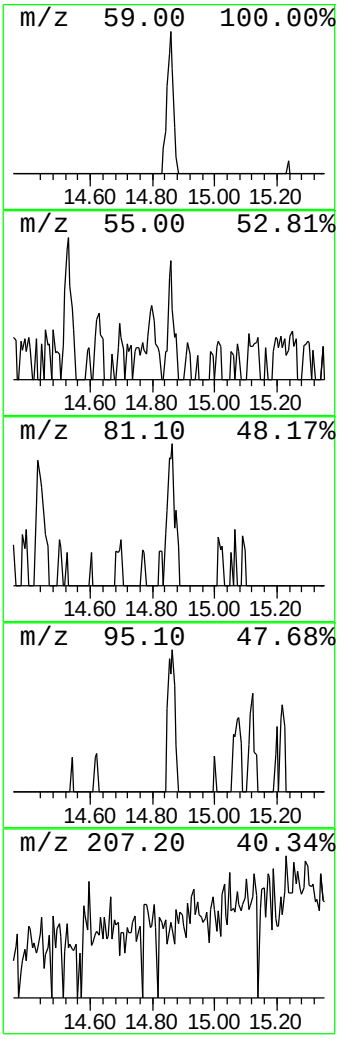
****

Peak Number 10 unknown-03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	1.39 ug/L	4327	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Octen-2-ol, 2-methyl-6-methylene-	154	C10H18O	000543-39-5	17
2	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004755-33-3	16
3	(-)-trans-Pinane	138	C10H18	033626-25-4	16
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	16
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	16





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

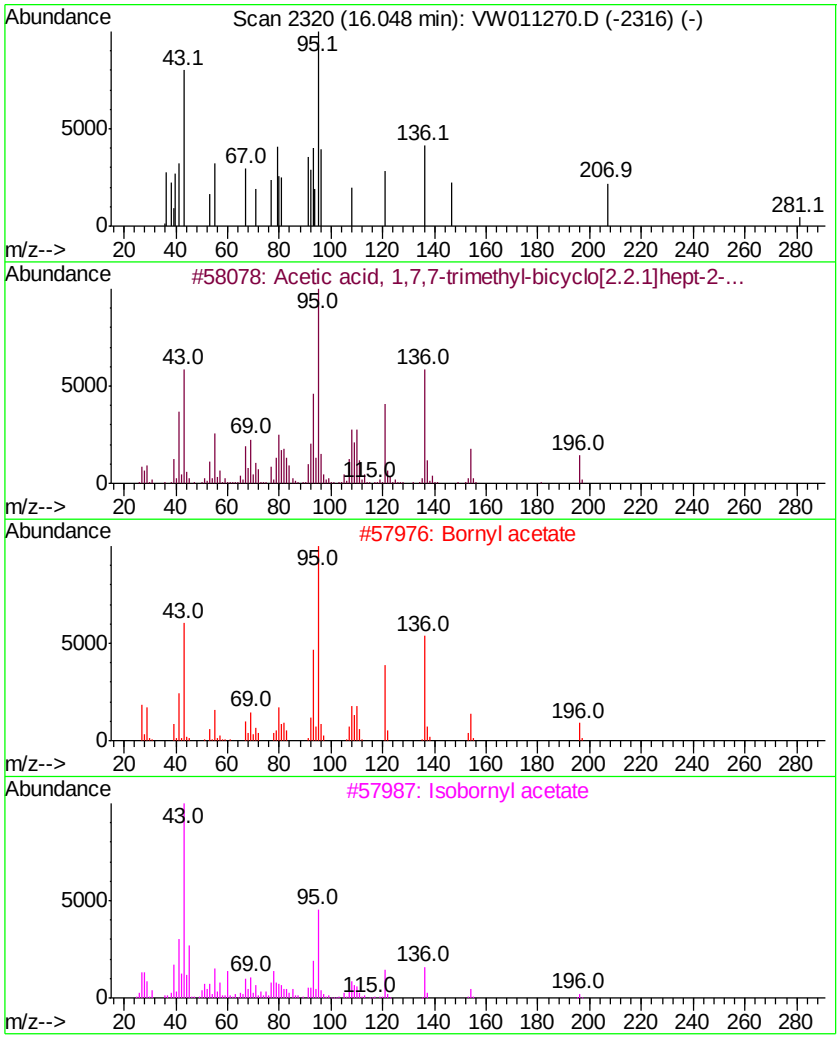
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

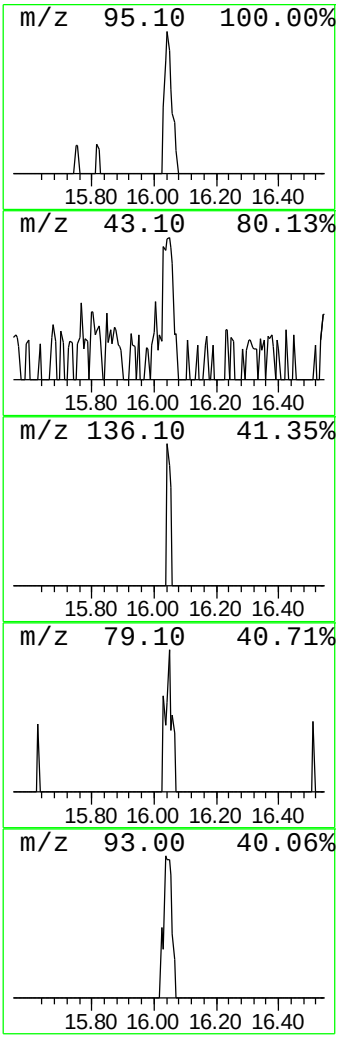
****

Peak Number 11 unknown-04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	1.55 ug/L	4802	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1,7,7-trimethyl-bic...	196	C12H20O2	092618-89-8	43
2	Bornyl acetate	196	C12H20O2	000076-49-3	38
3	Isobornyl acetate	196	C12H20O2	000125-12-2	38
4	Acetic acid, 1,7,7-trimethyl-bic...	196	C12H20O2	092618-89-8	38
5	Isobornyl thiocyanoacetate	253	C13H19NO2S	000115-31-1	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071519\
Data File : VW011270.D
Acq On : 15 Jul 2019 19:18
Operator : SY/VA
Sample : K3798-07
Misc : 5.18G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.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...	3.39	1.4	ug/L	6180	1	8.84	110618	25.0
unknown-01	9.41	3.0	ug/L	13104	1	8.84	110618	25.0
Hexanal	11.07	20.1	ug/L	97026	2	11.63	120366	25.0
unknown-02	13.27	1.4	ug/L	4470	3	13.56	77663	25.0
(DEL) Alkane: Cyc...	14.53	1.6	ug/L	4916	3	13.56	77663	25.0
unknown-03	14.85	1.4	ug/L	4327	3	13.56	77663	25.0
unknown-04	16.05	1.6	ug/L	4802	3	13.56	77663	25.0