LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

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\SOM2WLM073019S.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	1.965	4	10	25	rVB4	54154	138762	15.27%	1.596%
2	2.172	37	44	49	rBV2	7590	15386	1.69%	0.177%
3	2.355	64	74	86	rBV	90298	184036	20.25%	2.117%
4	2.452	86	90	94	rVV	9033	16515	1.82%	0.190%
5	2.495	94	97	104	rVV	12078	26227	2.89%	0.302%
6	2.574	107	110	122	rVV4	7895	18424	2.03%	0.212%
7	2.885	154	161	172	rVV	43347	107716	11.85%	1.239%
8	3.025	177	184	192	rVV3	9777	24989	2.75%	0.287%
9	3.391	236	244	256	rVB4	10486	31401	3.45%	0.361%
10	3.586	265	276	286	rBV6	4527	12087	1.33%	0.139%
11	3.855	311	320	334	rVB3	6435	18671	2.05%	0.215%
12	4.019	336	347	359	rBV	82247	264490	29.10%	3.042%
13	4.135	359	366	381	rVB	14828	47423	5.22%	0.545%
14	4.379	394	406	419	rBV2	15986	49301	5.42%	0.567%
15	4.775	459	471	472	rBV7	2908	7589	0.83%	0.087%
16	4.915	481	494	496	rBV2	13118	34755	3.82%	0.400%
17	5.440	566	580	591	rVB2	7057	25429	2.80%	0.292%
18	5.775	619	635	636	rBV3	7506	17679	1.94%	0.203%
19	5.934	652	661	672	rVB3	8793	25476	2.80%	0.293%
20	6.897	805	819	828	rBV3	6430	21610	2.38%	0.249%
21	6.988	828	834	840	rVB8	3254	8905	0.98%	0.102%
22	7.080	840	849	854	rBV	43596	119830	13.18%	1.378%
23	7.147	854	860	878	rVB3	39628	150435	16.55%	1.730%
24	7.531	913	923	932	rBV9	3290	9941	1.09%	0.114%
25	7.647	932	942	958	rBV	155752	410229	45.13%	4.718%
26	7.848	969	975	982	rBV4	4350	10518	1.16%	0.121%
27	8.037	997	1006	1015	rVB7	9273	26579	2.92%	0.306%
28	8.153	1019	1025	1033	rBV2	7023	16443	1.81%	0.189%
29	8.275	1033	1045	1060	rBV2	287962	908967	100.00%	10.455%
30	8.421	1064	1069	1076	rBV6	5218	10932	1.20%	0.126%
31	8.567	1088	1093	1105	rVB10	6125	18064	1.99%	0.208%
32	8.695	1107	1114	1123	rVB7	2984	8709	0.96%	0.100%
33	8.841	1128	1138	1150	rBV	215836	438690	48.26%	5.046%
34	8.988	1157	1162	1168	rVB3	6036	11543	1.27%	0.133%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

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\SOM2WLM073019S.M
Title : VOC Analysis

35	9.073	1170	1176	1181	rBV6	3232	7640	0.84%	0.088%
36	9.274	1198	1209	1224	rBV	236388	499304	54.93%	5.743%
37	9.415	1224	1232	1239	rVB5	4514	12406	1.36%	0.143%
38	9.518	1239	1249	1256	rVB5	3074	9185	1.01%	0.106%
39	9.689	1270	1277	1282	rBV9	3758	9045	1.00%	0.104%
40	9.744	1282	1286	1293	rVB4	6462	12371	1.36%	0.142%
41	10.036	1325	1334	1341	rBV	62194	116347	12.80%	1.338%
42	10.128	1346	1349	1355	rVB7	3680	7129	0.78%	0.082%
43	10.323	1372	1381	1388	rBV	283901	503003	55.34%	5.786%
44	10.390	1389	1392	1398	rVB	6883	11975	1.32%	0.138%
45	10.500	1404	1410	1416	rVB9	5834	14982	1.65%	0.172%
46	10.579	1416	1423	1432	rBV	39588	74658	8.21%	0.859%
47	10.701	1439	1443	1448	rVB	8373	13311	1.46%	0.153%
48	10.927	1472	1480	1489	rBV	137821	249587	27.46%	2.871%
49	11.067	1497	1503	1510	rBV3	32422	58537	6.44%	0.673%
50	11.176	1518	1521	1525	rVV4	4783	6889	0.76%	0.079%
51	11.225	1525	1529	1534	rVB6	5006	8372	0.92%	0.096%
52	11.439	1560	1564	1569	rVB5	4441	7232	0.80%	0.083%
53	11.512	1571	1576	1578	rBV5	4688	6911	0.76%	0.079%
54	11.628	1589	1595	1606	rBV	208028	365784	40.24%	4.207%
55	11.725	1607	1611	1615	rBV5	4778	7925	0.87%	0.091%
56	11.841	1623	1630	1632	rBV7	6653	12875	1.42%	0.148%
57	12.140	1672	1679	1682	rBV4	11369	25008	2.75%	0.288%
58	12.249	1694	1697	1701	rVB4	4939	6862	0.75%	0.079%
59	12.341	1707	1712	1722	rVV9	19223	52455	5.77%	0.603%
60	12.469	1729	1733	1738	rVB5	7675	13067	1.44%	0.150%
61	12.609	1751	1756	1761	rBV	15360	27107	2.98%	0.312%
62	12.694	1764	1770	1777	rVV	159122	276956	30.47%	3.186%
63	12.780	1779	1784	1791	rVB5	20600	39885	4.39%	0.459%
64	12.871	1791	1799	1802	rBV6	12383	29297	3.22%	0.337%
65	12.932	1804	1809	1816	rVB5	23457	50034	5.50%	0.575%
66	13.079	1830	1833	1836	rBV4	7712	11936	1.31%	0.137%
67	13.164	1843	1847	1856	rBV5	19733	40666	4.47%	0.468%
68	13.255	1857	1862	1865	rBV	13360	22616	2.49%	0.260%
69	13.383	1880	1883	1887	rVV3	9667	14070	1.55%	0.162%
70	13.444	1888	1893	1897	rVV5	18164	36945	4.06%	0.425%
71	13.493	1897	1901	1907	rVV4	21886	43253	4.76%	0.498%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

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\SOM2WLM073019S.M
Title : VOC Analysis

72	13.560	1907	1912	1920	rVB2	114053	198907	21.88%	2.288%
73	13.627	1920	1923	1925	rBV3	6801	9883	1.09%	0.114%
74	13.755	1940	1944	1947	rBV4	5389	8565	0.94%	0.099%
75	13.853	1953	1960	1969	rBV2	144945	355388	39.10%	4.088%
76	14.017	1983	1987	1989	rBV4	15000	22528	2.48%	0.259%
77	14.133	2004	2006	2011	rVB2	13534	16910	1.86%	0.195%
78	14.206	2011	2018	2022	rBV4	32356	63762	7.01%	0.733%
79	14.261	2023	2027	2034	rVV8	21804	46915	5.16%	0.540%
80	14.347	2034	2041	2043	rVV6	33130	69485	7.64%	0.799%
81	14.389	2044	2048	2051	rVV3	57543	102701	11.30%	1.181%
82	14.420	2051	2053	2056	rVV2	40310	59481	6.54%	0.684%
83	14.456	2056	2059	2063	rVB	50323	68551	7.54%	0.788%
84	14.499	2063	2066	2069	rBV2	26377	37326	4.11%	0.429%
85	14.548	2069	2074	2081	rVB5	40853	101472	11.16%	1.167%
86	14.694	2094	2098	2101	rBV4	16766	29543	3.25%	0.340%
87	14.737	2101	2105	2109	rVV3	30719	47509	5.23%	0.546%
88	14.798	2109	2115	2119	rVV2	78256	167179	18.39%	1.923%
89	14.840	2119	2122	2132	rVB5	56586	126018	13.86%	1.449%
90	15.066	2153	2159	2167	rBV5	84185	226154	24.88%	2.601%
91	15.176	2171	2177	2186	rVV4	136822	337083	37.08%	3.877%
92	15.273	2189	2193	2197	rVB3	45042	78247	8.61%	0.900%
93	15.328	2197	2202	2210	rVB6	56005	96896	10.66%	1.115%
94	15.517	2229	2233	2239	rVB7	40826	89301	9.82%	1.027%
95	15.670	2249	2258	2263	rBV7	24561	87958	9.68%	1.012%
96	15.737	2265	2269	2274	rVV5	20203	39152	4.31%	0.450%
97	16.169	2335	2340	2345	rBV3	34640	66020	7.26%	0.759%
98	16.291	2357	2360	2367	rVB2	25618	43655	4.80%	0.502%
99	16.438	2380	2384	2387	rBV2	11701	20402	2.24%	0.235%
100	16.645	2410	2418	2428	rVB7	41300	133696	14.71%	1.538%

Sum of corrected areas: 8694063

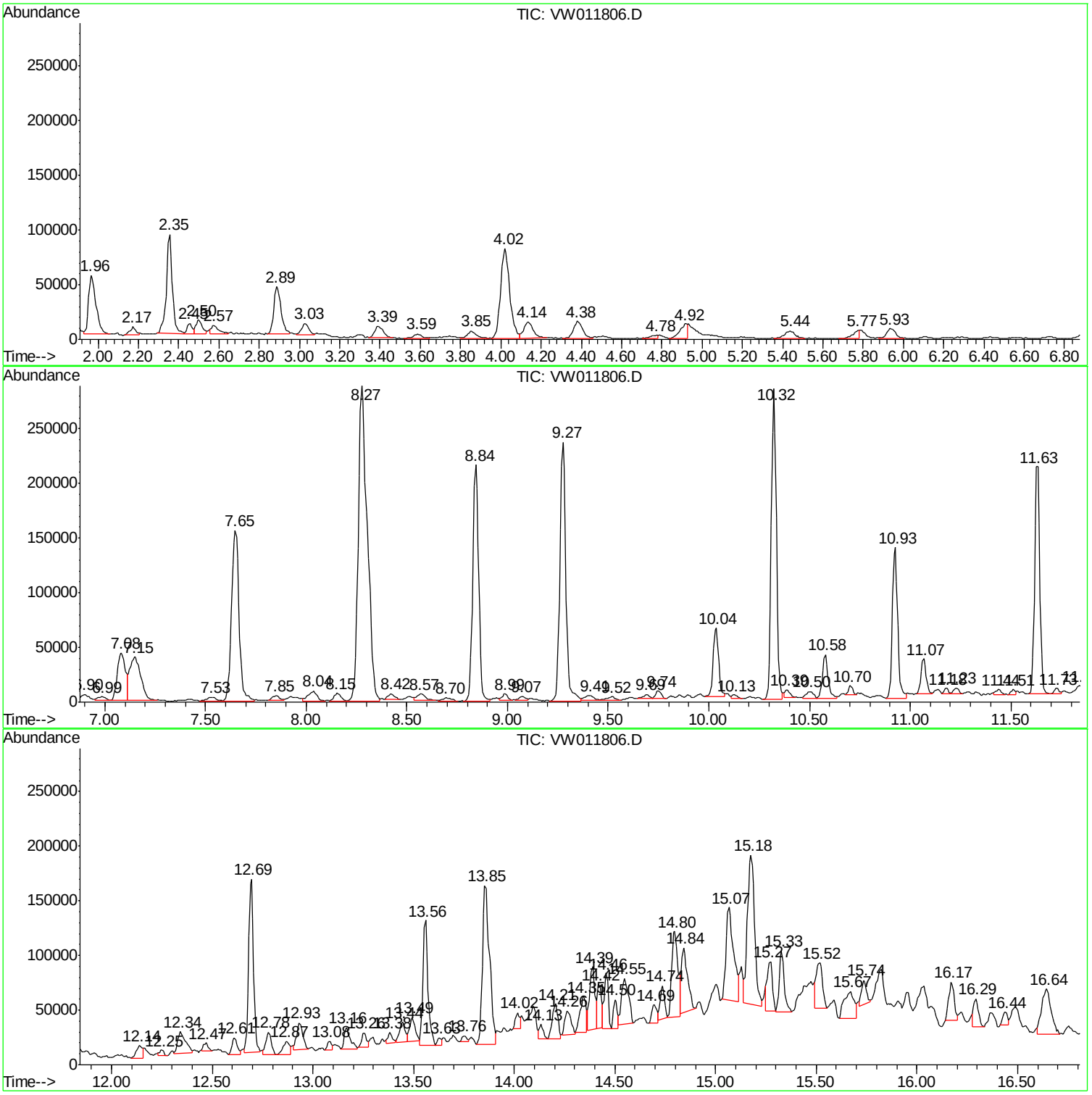
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.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_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

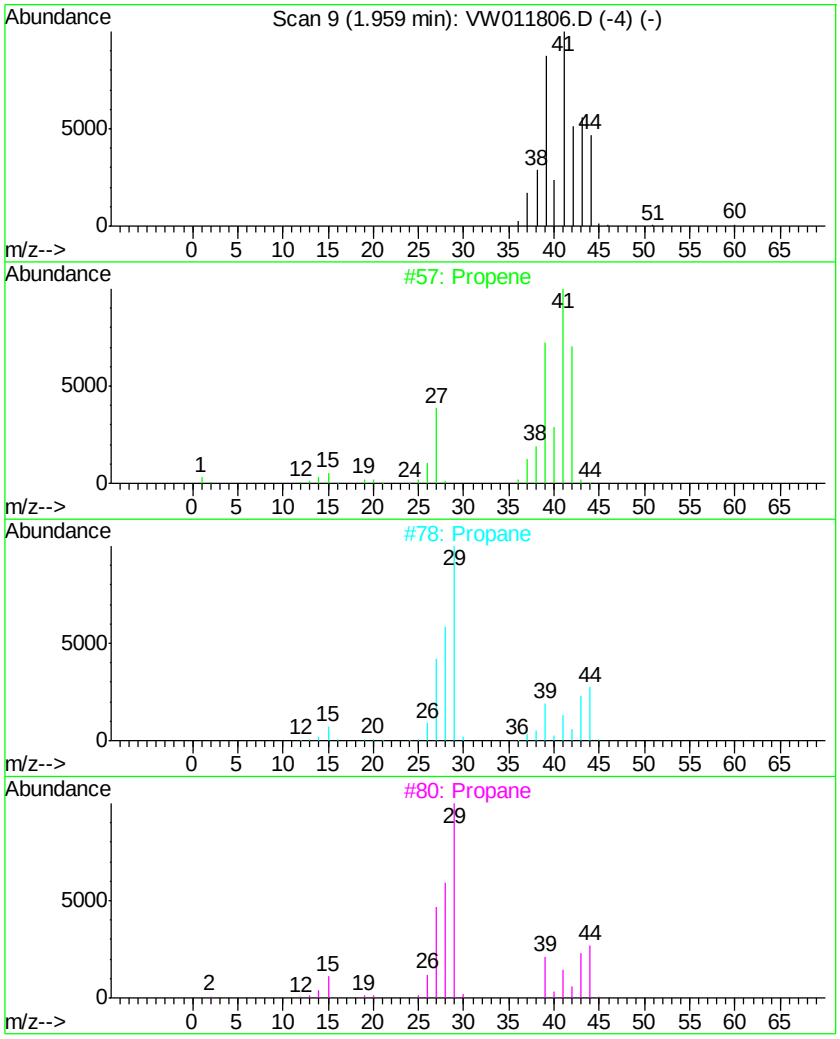
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

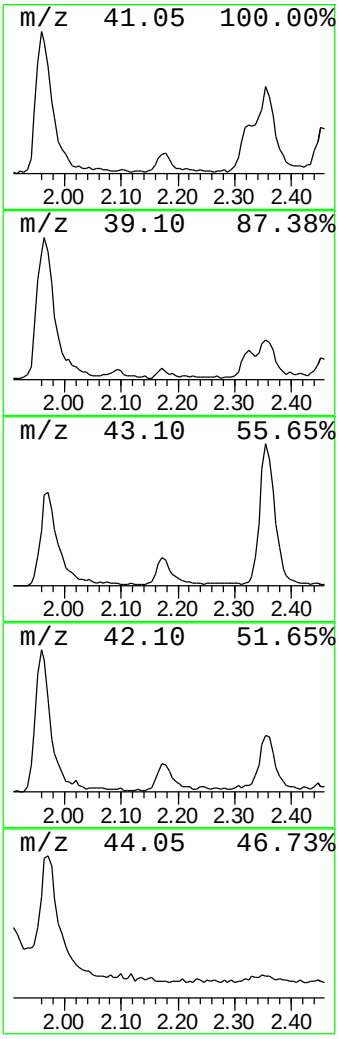
****

Peak Number 1 (DEL) Alkane: Cyclic1.96 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	7.91 ug/L	138762	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	38
2	Propane	44	C3H8	000074-98-6	7
3	Propane	44	C3H8	000074-98-6	4
4	Propane	44	C3H8	000074-98-6	4
5	Cyclopropene	40	C3H4	002781-85-3	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

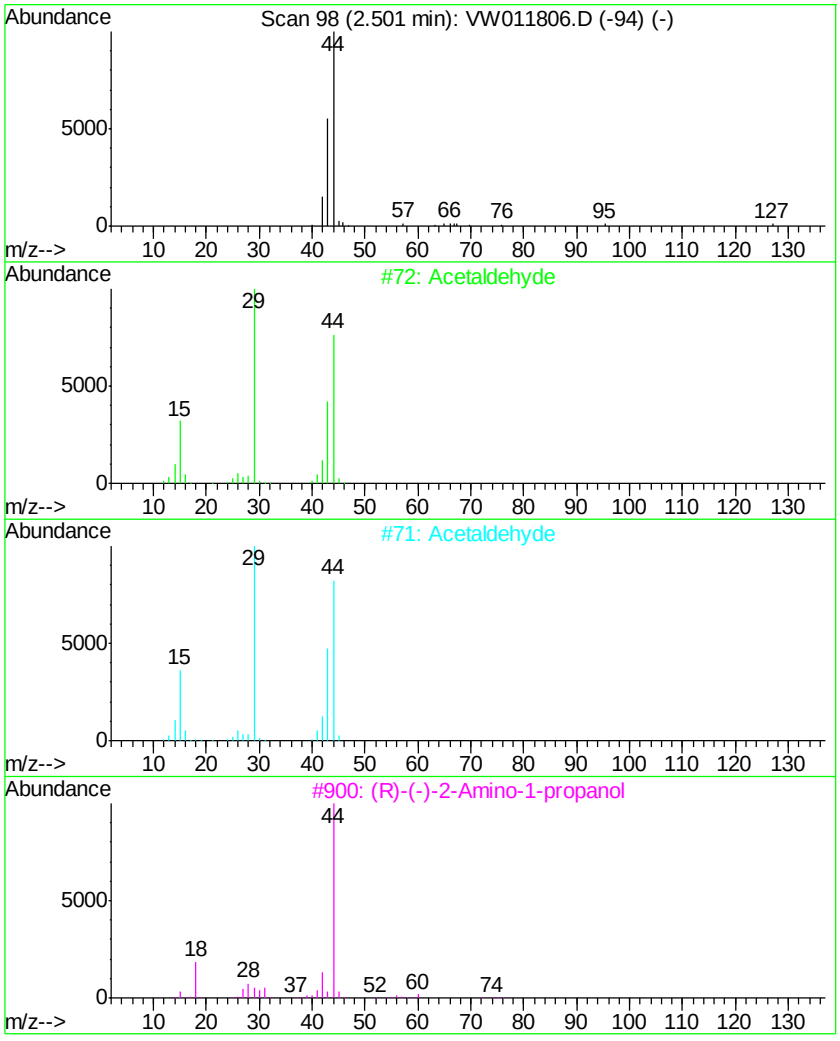
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

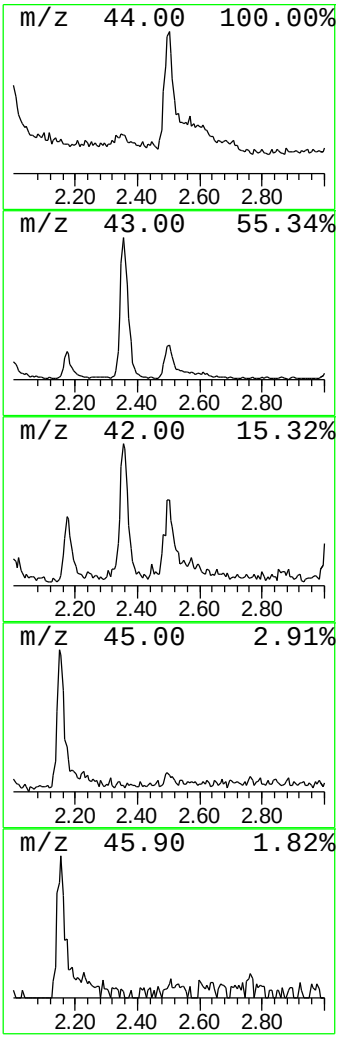
****

Peak Number 2 unknown-01 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.50	1.49 ug/L	26227	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	9
2	Acetaldehyde	44	C2H4O	000075-07-0	9
3	(R)-(-)-2-Amino-1-propanol	75	C3H9NO	035320-23-1	9
4	Alanine	89	C3H7NO2	000056-41-7	9
5	Cyclopropyl carbinol	72	C4H8O	002516-33-8	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

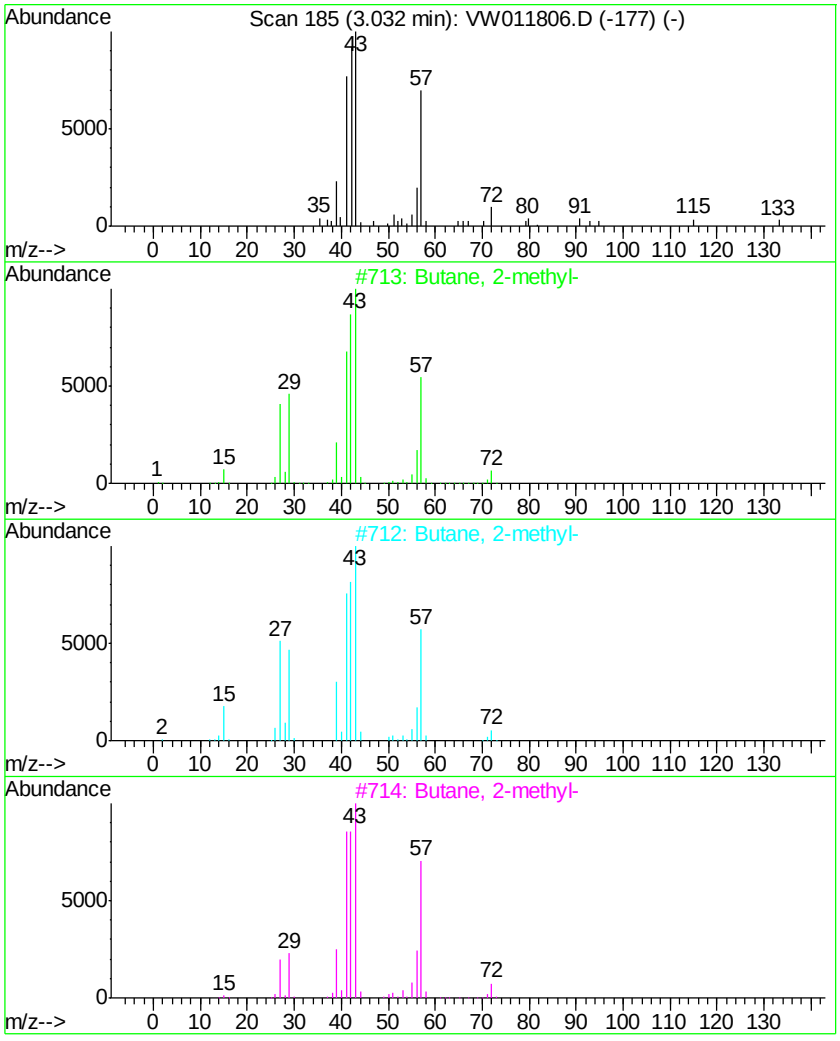
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

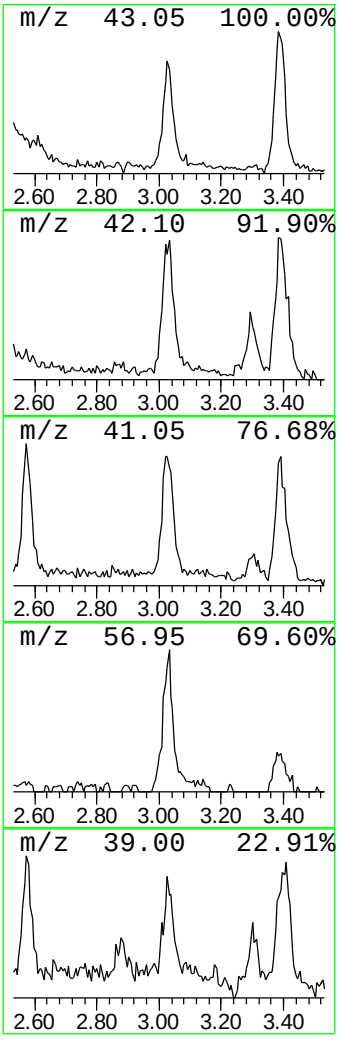
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	1.42 ug/L	24989	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	80
2	Butane, 2-methyl-	72	C5H12	000078-78-4	80
3	Butane, 2-methyl-	72	C5H12	000078-78-4	64
4	Pentane	72	C5H12	000109-66-0	53
5	3-Buten-1-ol	72	C4H8O	000627-27-0	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

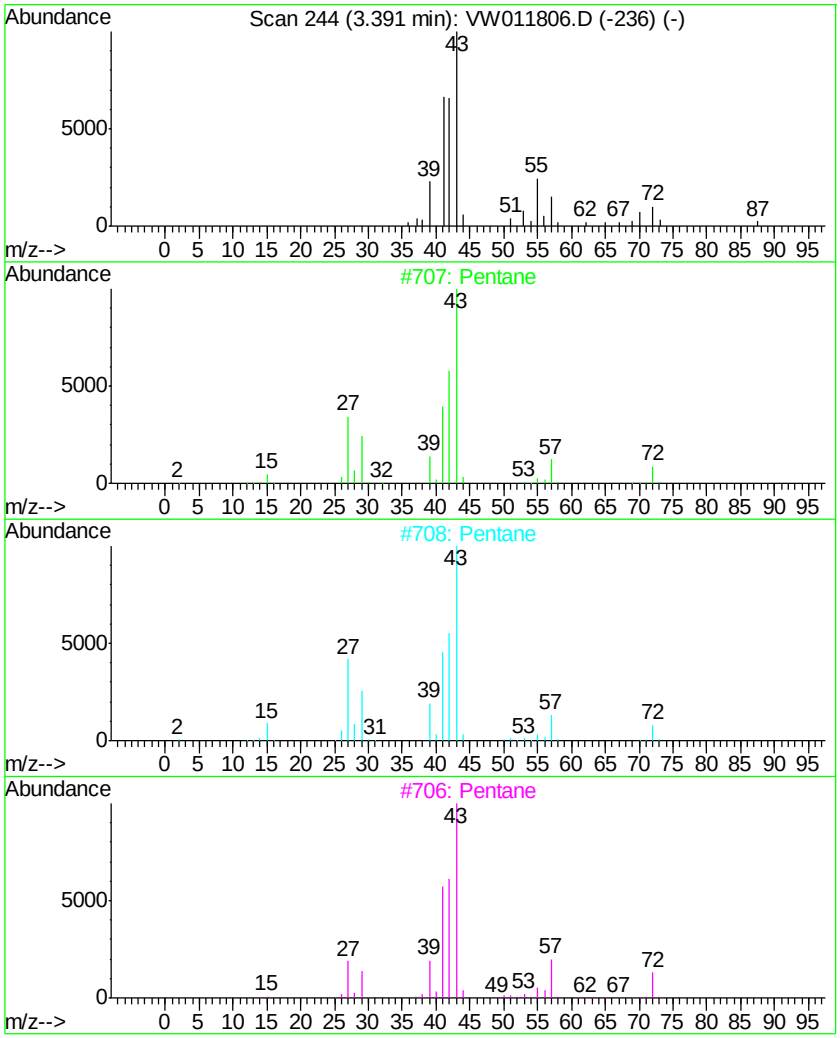
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

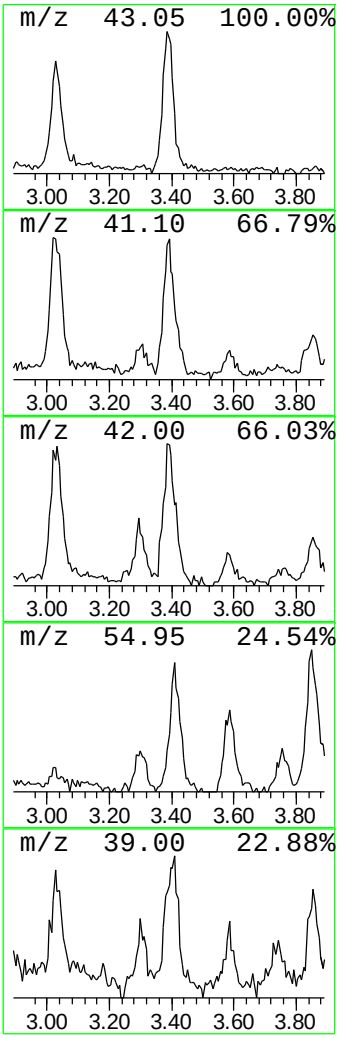
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	1.79 ug/L	31401	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	64
2	Pentane	72	C5H12	000109-66-0	64
3	Pentane	72	C5H12	000109-66-0	58
4	Butane, 2-chloro-3-methyl-	106	C5H11Cl	000631-65-2	53
5	Butane, 2-methyl-	72	C5H12	000078-78-4	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

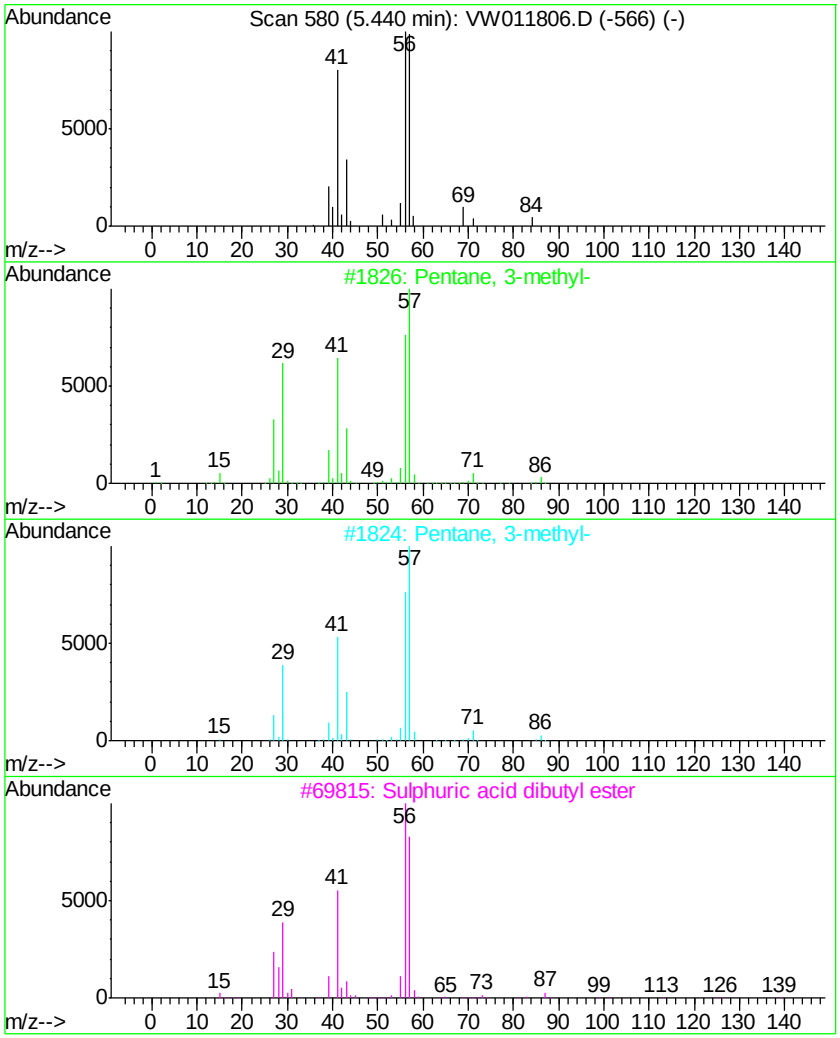
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

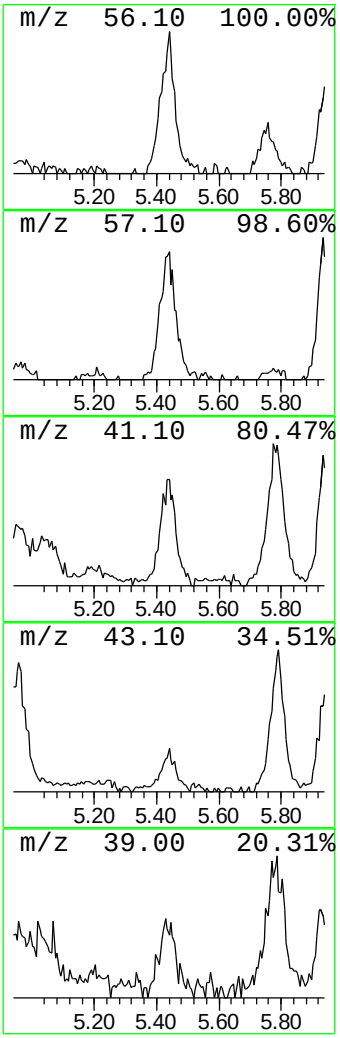
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.44	1.45 ug/L	25429	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	56
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	56
3	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	56
4	Oxetane, 3,3-dimethyl-	86	C5H10O	006921-35-3	42
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	39





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

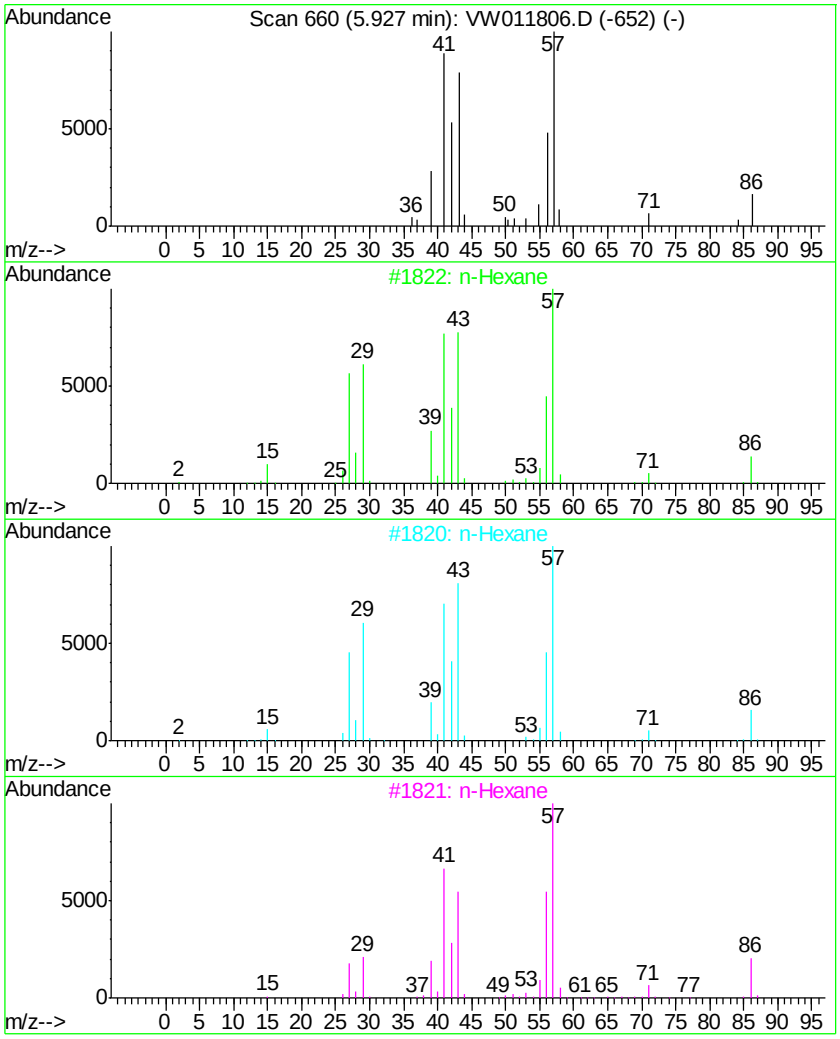
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

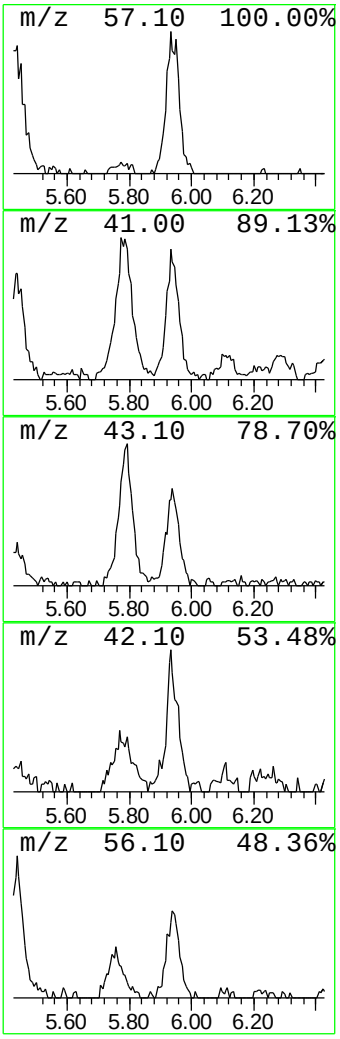
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	1.45 ug/L	25476	1,4-Difluorobenzene	8.84

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	78
3	n-Hexane	86	C6H14	000110-54-3	58
4	Butane, 2-nitro-	103	C4H9NO2	000600-24-8	40
5	Cyclobutane	56	C4H8	000287-23-0	35





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Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

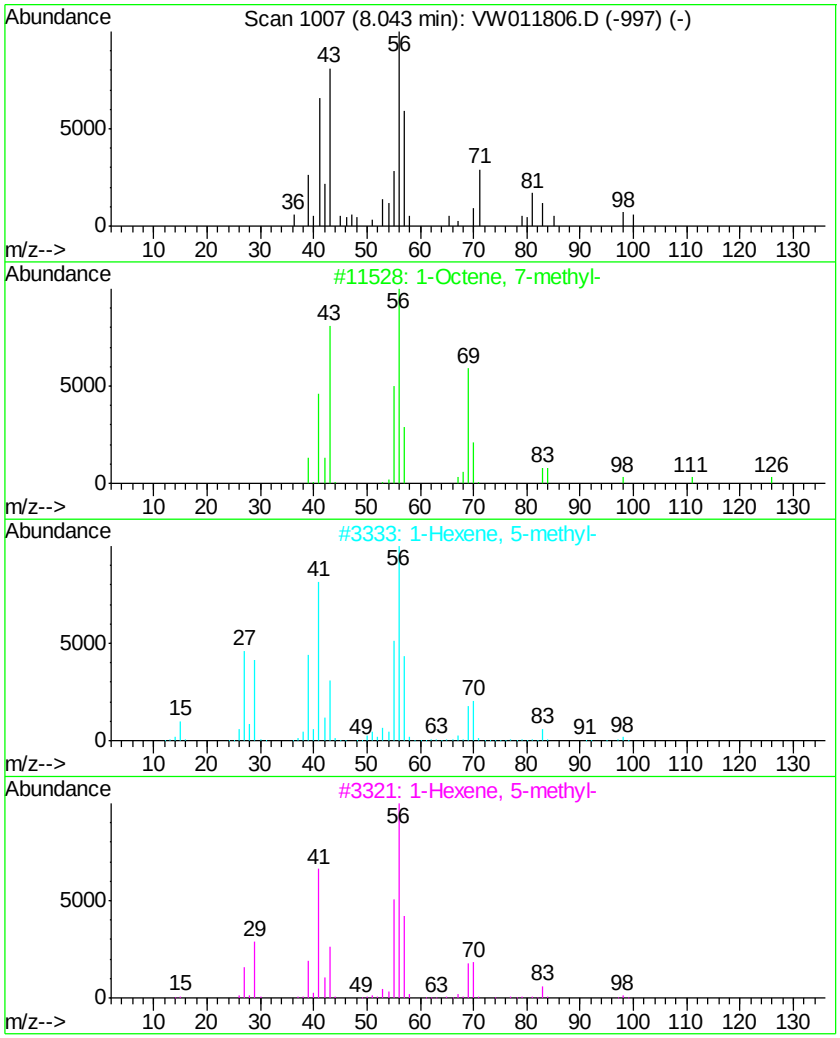
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

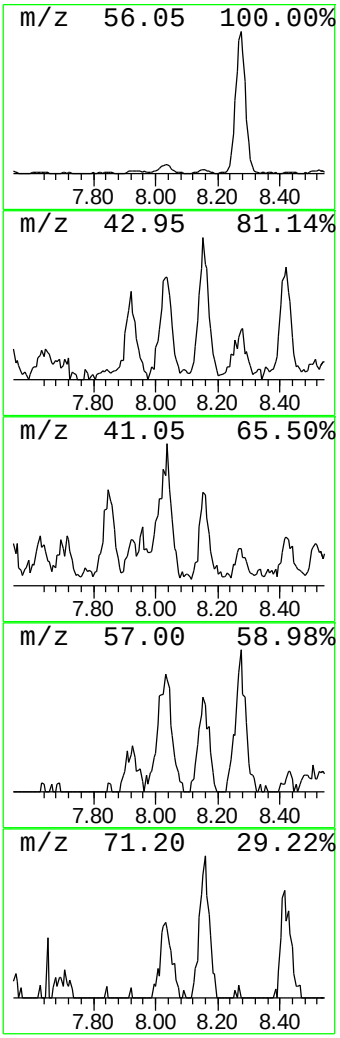
****

Peak Number 7 (DEL) Alkane: Cyclic8.04 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	1.51 ug/L	26579	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octene, 7-methyl-	126	C9H18	013151-06-9	50
2	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	50
3	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	42
4	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	42
5	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

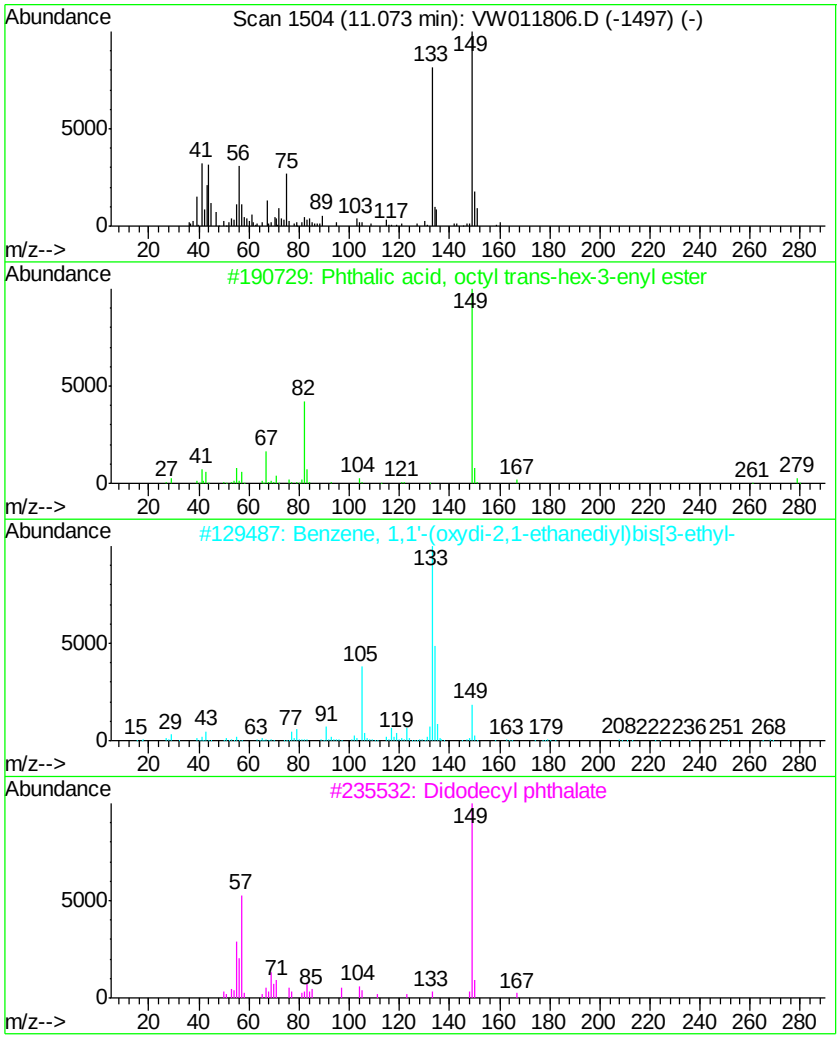
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

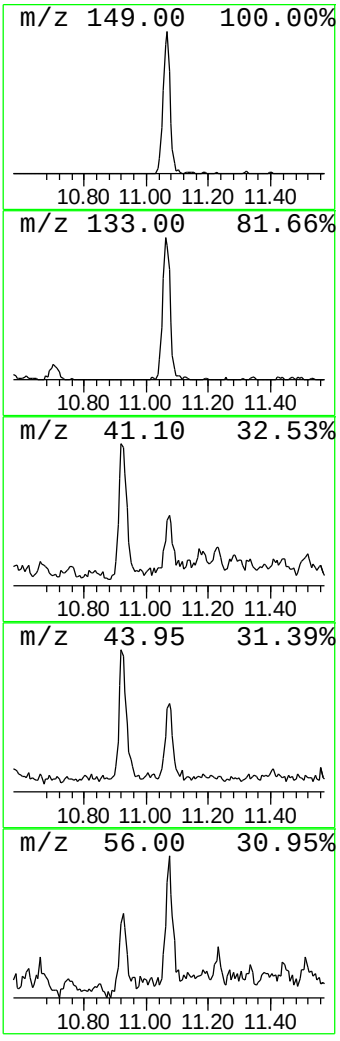
****

Peak Number 9 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	4.00 ug/L	58537	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, octyl trans-hex-3...	360	C22H32O4	1000360-48-6	35
2	Benzene, 1,1'-(oxydi-2,1-ethaned...	282	C20H26O	055044-09-2	33
3	Didodecyl phthalate	502	C32H54O4	002432-90-8	32
4	5-Methylthieno[3,2-b]pyridine	149	C8H7NS	001759-29-1	25
5	Benzene, 1-isocyanato-3-methoxy-	149	C8H7NO2	018908-07-1	25





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Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

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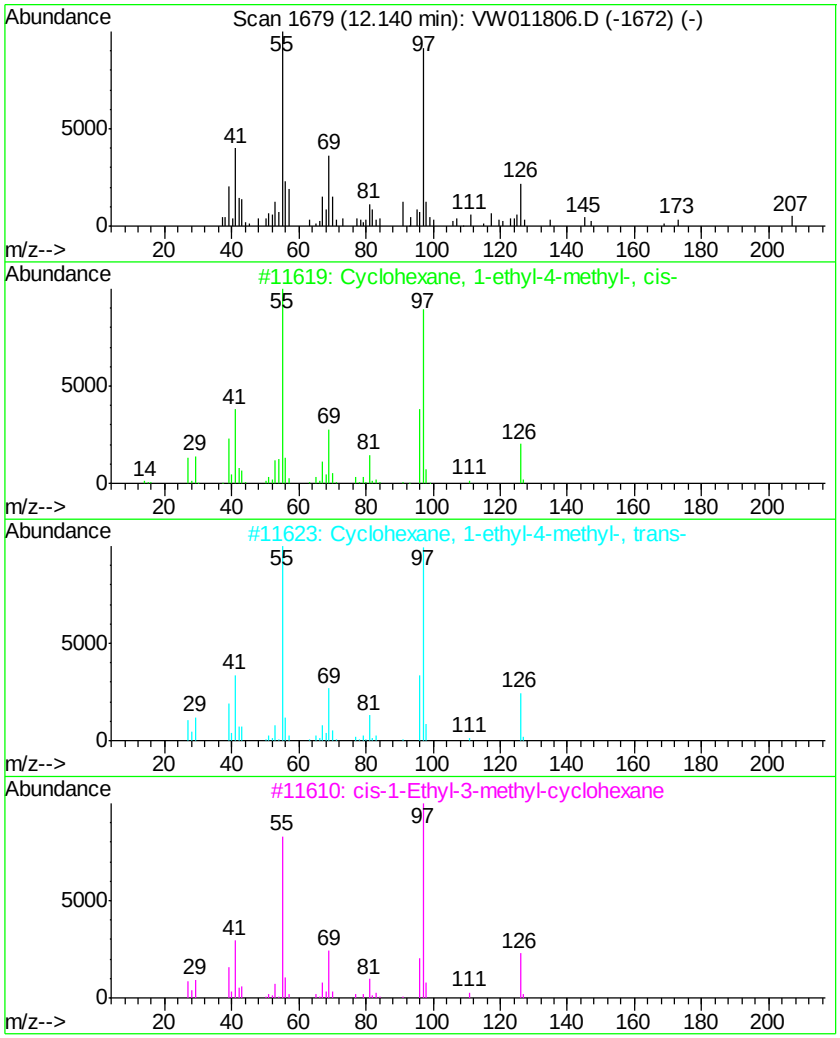
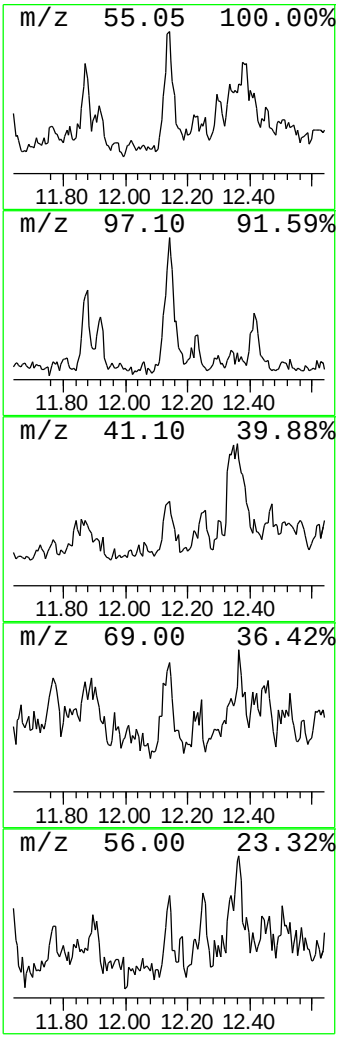
Peak Number 10 (DEL) Alkane: Cyclic12.14 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	1.71 ug/L	25008	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72





Library Search Compound Report

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Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

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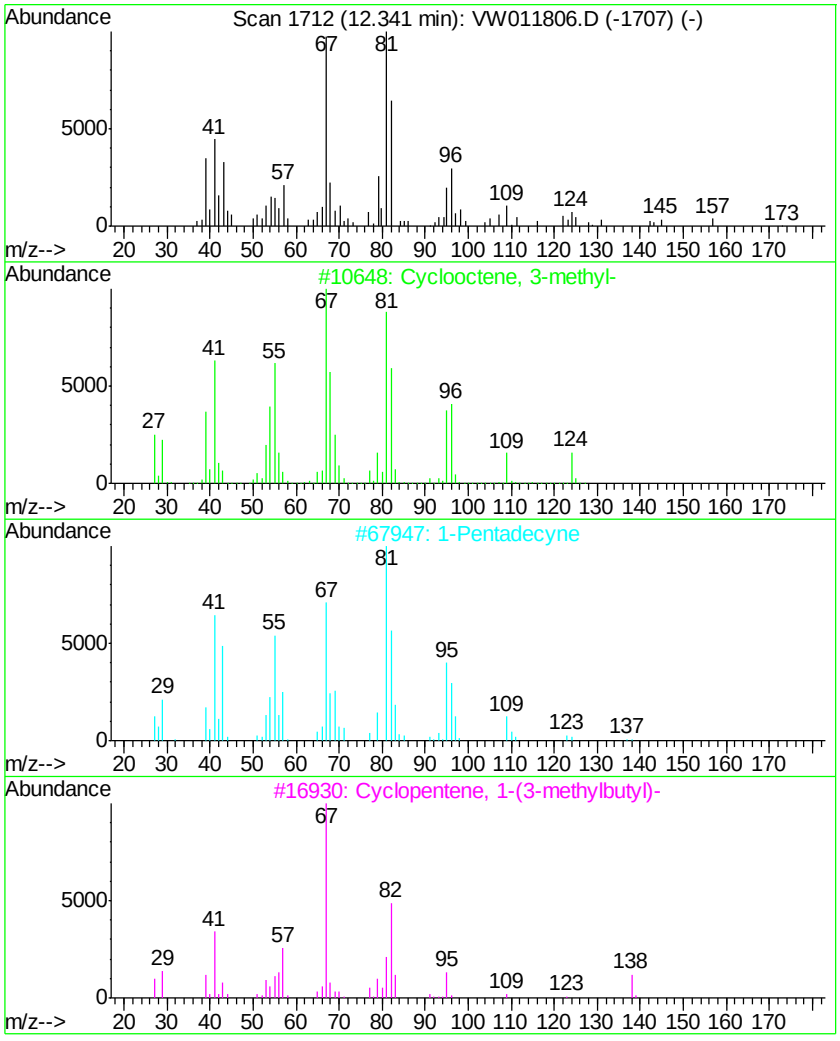
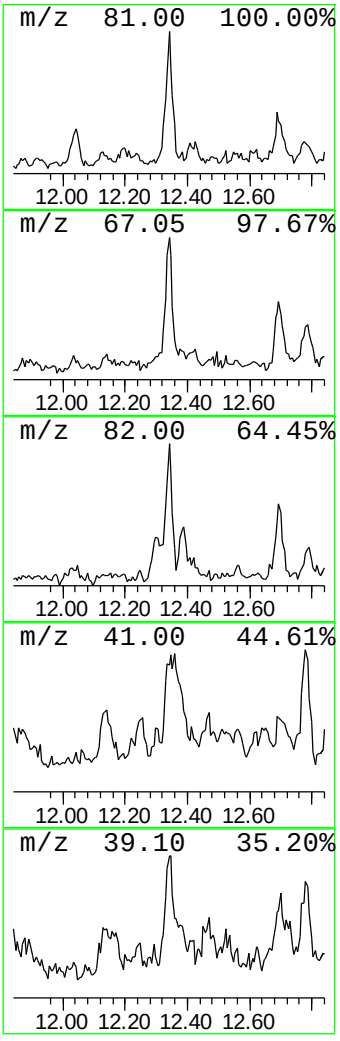
Peak Number 11 Cyclooctene, 3-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	3.59 ug/L	52455	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	72
2	1-Pentadecyne	208	C15H28	000765-13-9	59
3	Cyclopentene, 1-(3-methylbutyl)-	138	C10H18	037689-15-9	43
4	2-Ethylidenecyclohexanone	124	C8H12O	001122-24-3	38
5	2,4-Hexadiene	82	C6H10	000592-46-1	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

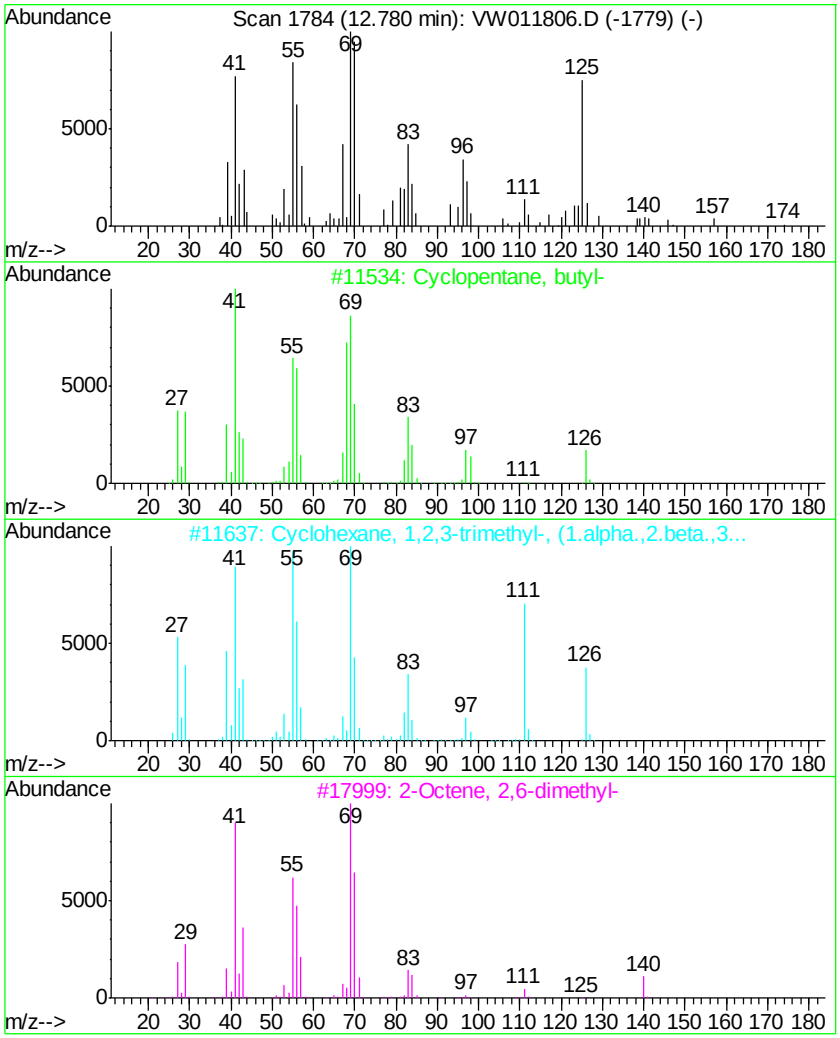
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

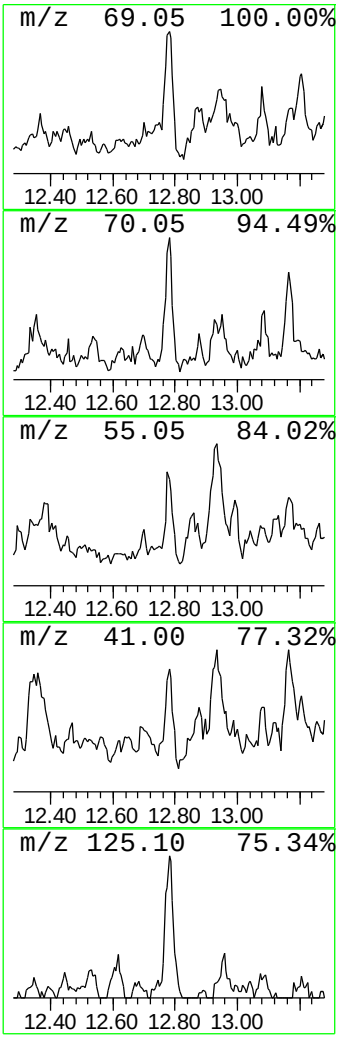
****

Peak Number 13 (DEL) Alkane: Cyclic12.78 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	5.01 ug/L	39885	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, butyl-	126	C9H18	002040-95-1	60
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	45
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
4	1-Decene	140	C10H20	000872-05-9	38
5	6-Dodecene, (E)-	168	C12H24	007206-17-9	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

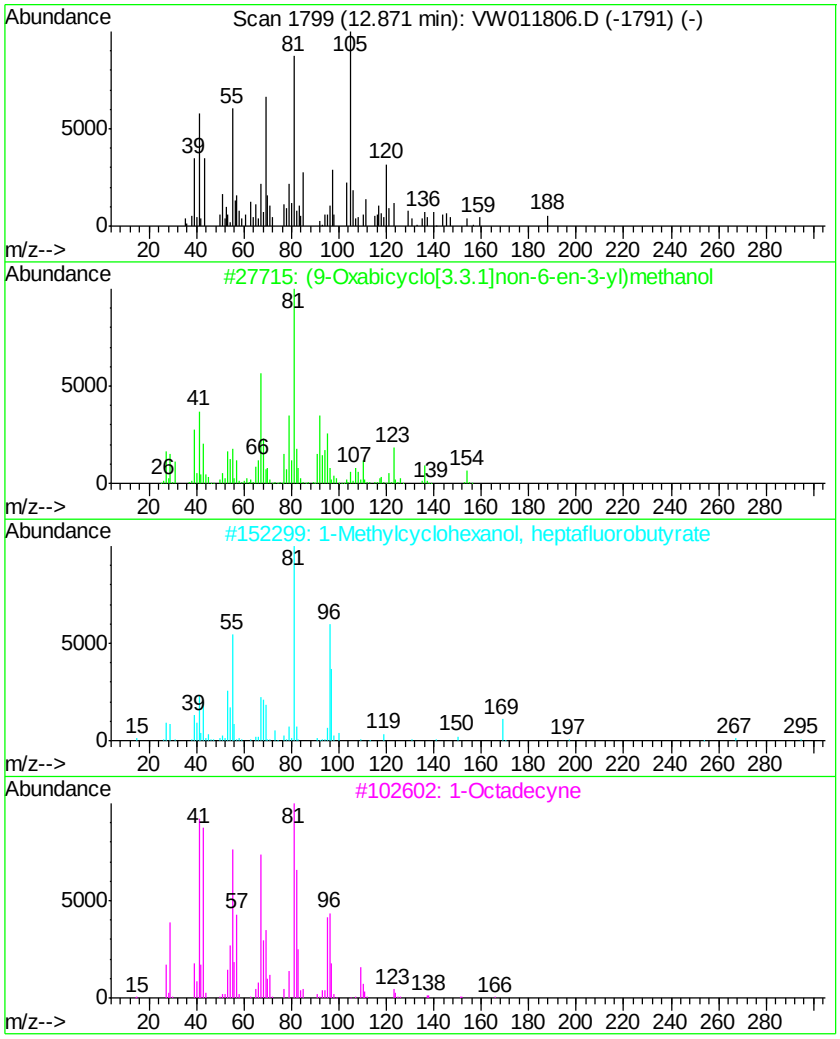
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

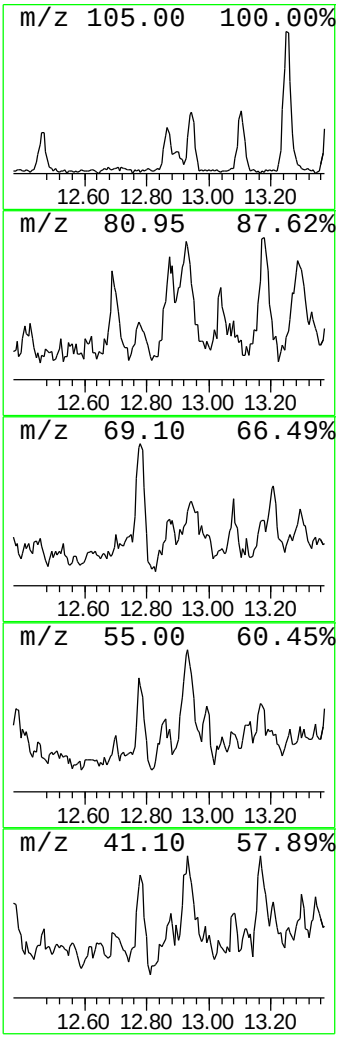
****

Peak Number 14 unknown-03 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	3.68 ug/L	29297	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(9-Oxabicyclo[3.3.1]non-6-en-3-y...	154	C9H14O2	1000191-02-8	35
2	1-Methylcyclohexanol, heptafluor...	310	C11H13F7O2	1000376-25-3	32
3	1-Octadecyne	250	C18H34	000629-89-0	32
4	1-Propanone, 1-(3-cyclohexen-1-y...	166	C11H18O	016076-65-6	32
5	2,3-Dimethyl-1,4-pentadiene	96	C7H12	000758-86-1	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

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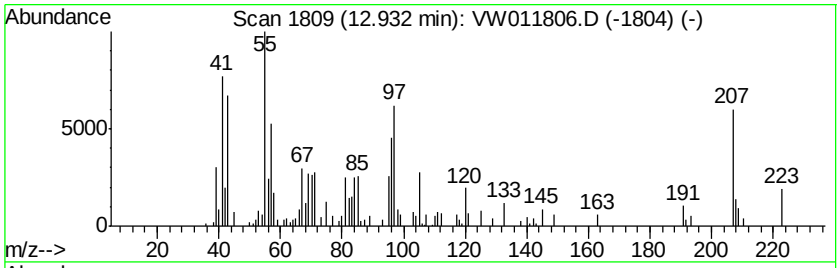
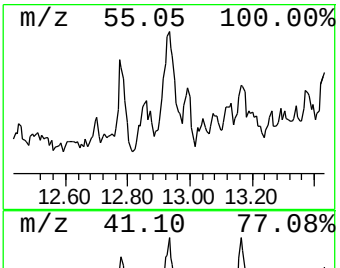
Peak Number 15 unknown-04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	6.29 ug/L	50034	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	27
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	22
3	Pyridine, 1,2,3,6-tetrahydro-1-m...	207	C12H14ClN	005048-08-8	22
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	22
5	[1,2,4]Triazolo[1,5-a]pyrimidine...	207	C8H9N5O2	1000351-62-2	18





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Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

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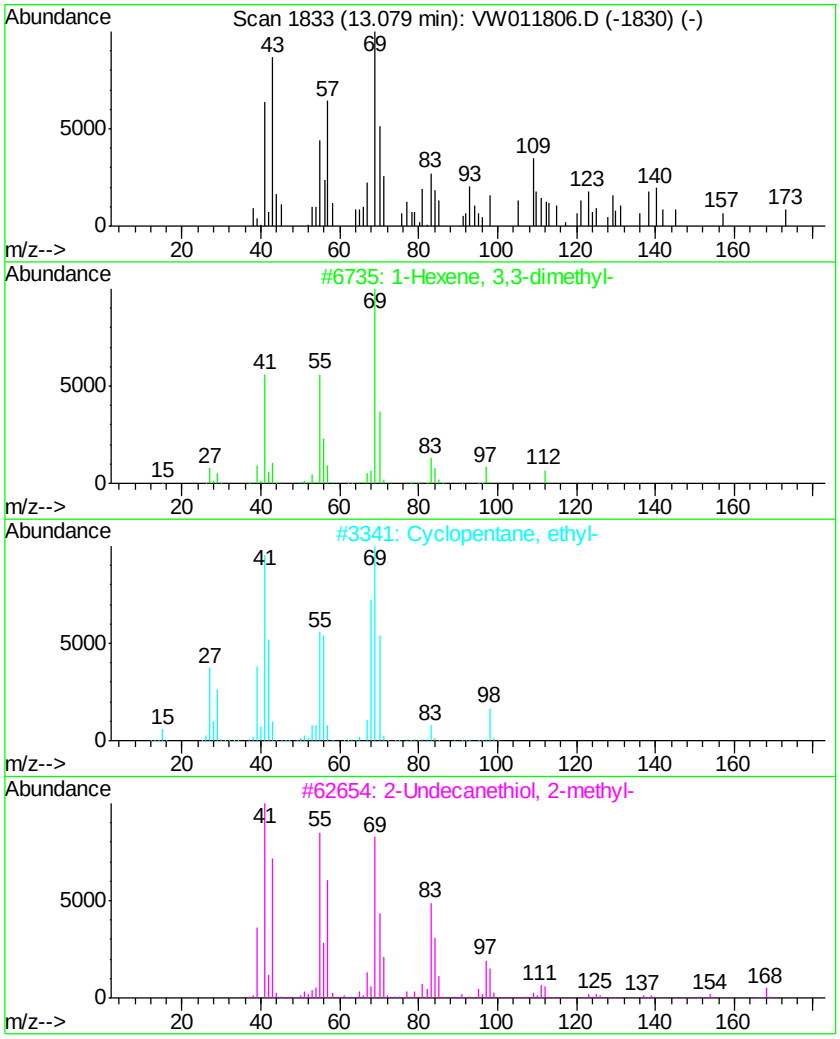
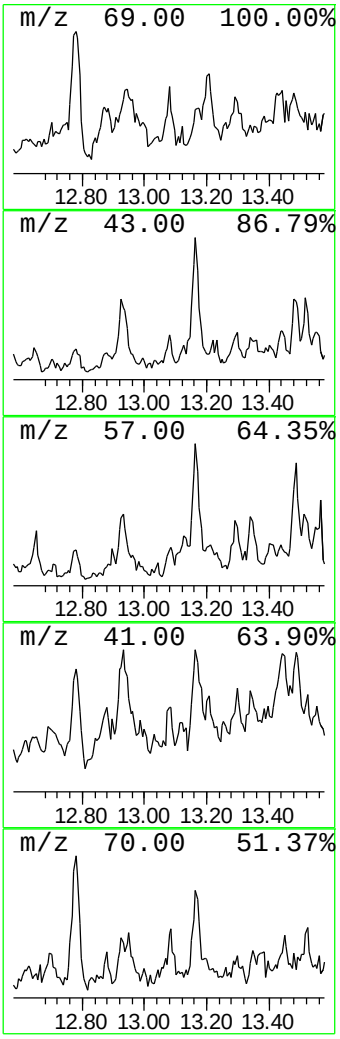
Peak Number 16 (DEL) Alkane: Cyclic13.08 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	1.50 ug/L	11936	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	43
3	2-Undecanethiol, 2-methyl-	202	C12H26S	010059-13-9	43
4	1,6-Heptadiene, 3,5-dimethyl-	124	C9H16	068701-99-5	38
5	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

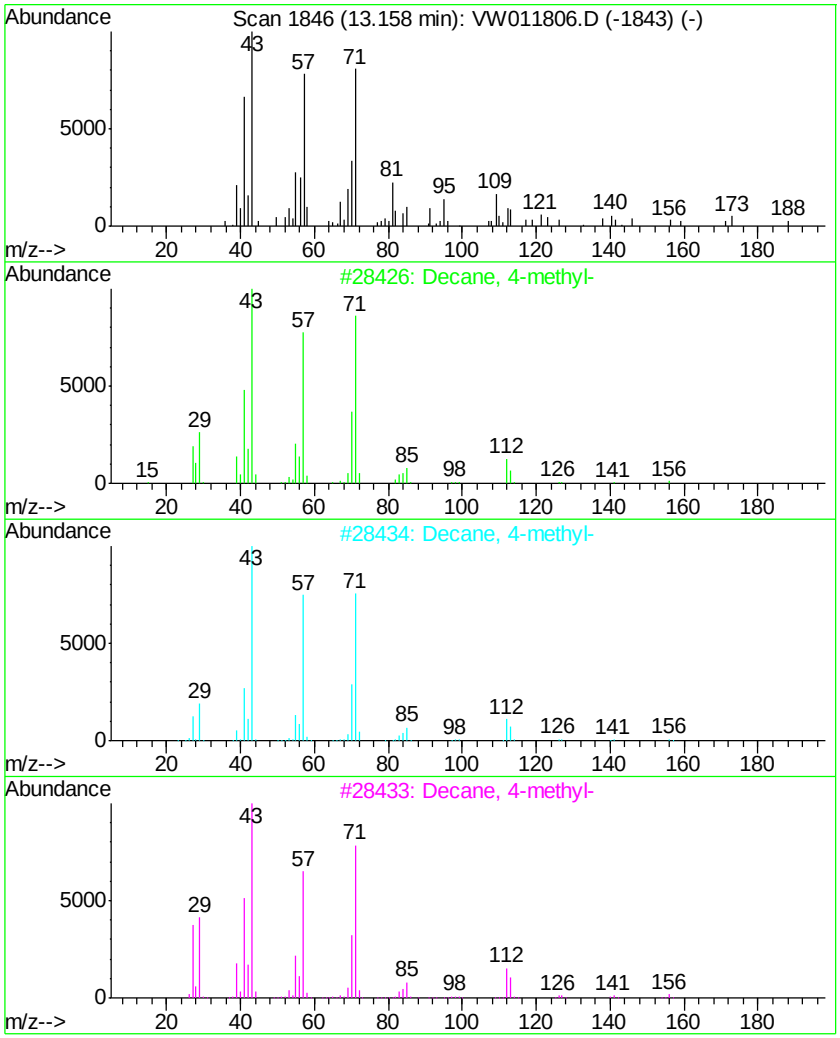
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

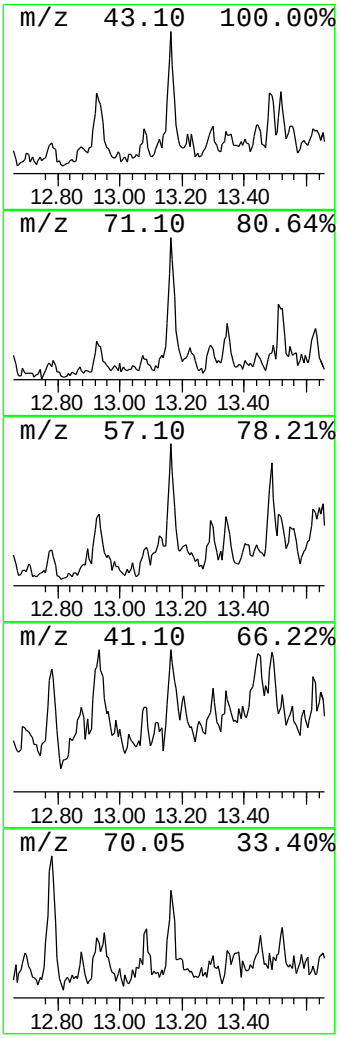
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	5.11 ug/L	40666	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	72
2	Decane, 4-methyl-	156	C11H24	002847-72-5	72
3	Decane, 4-methyl-	156	C11H24	002847-72-5	64
4	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	64
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64





Library Search Compound Report

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Data File : VW011806.D
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Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

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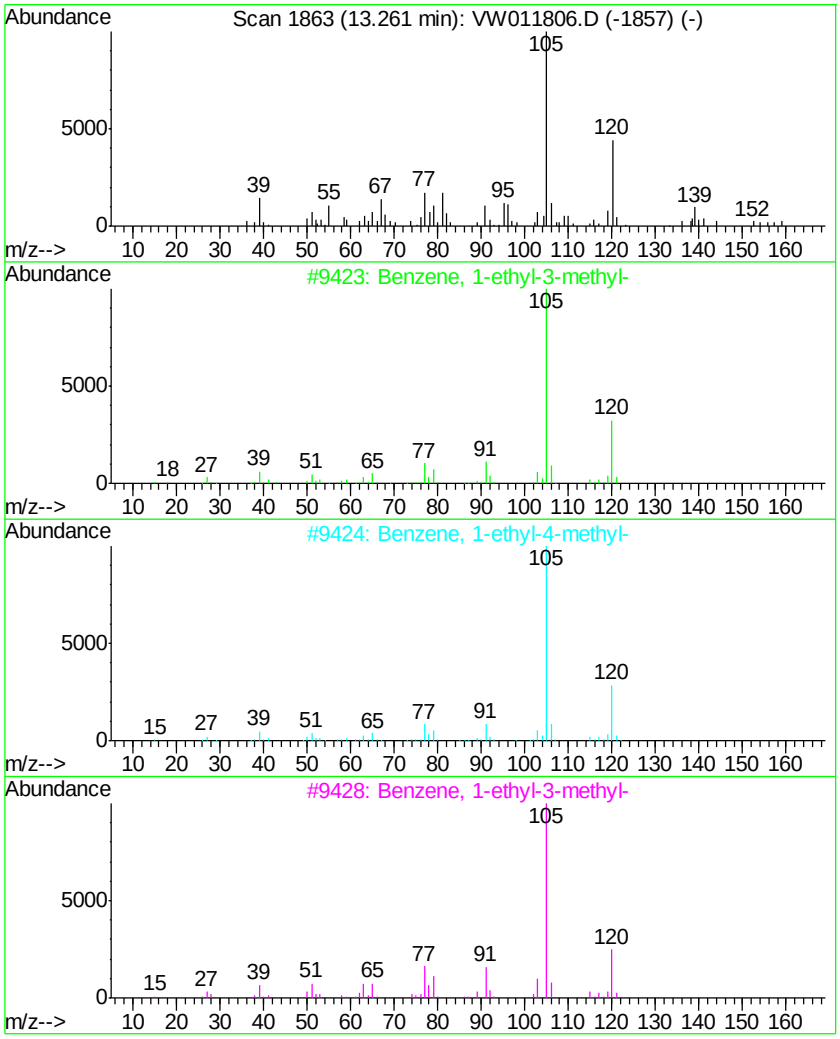
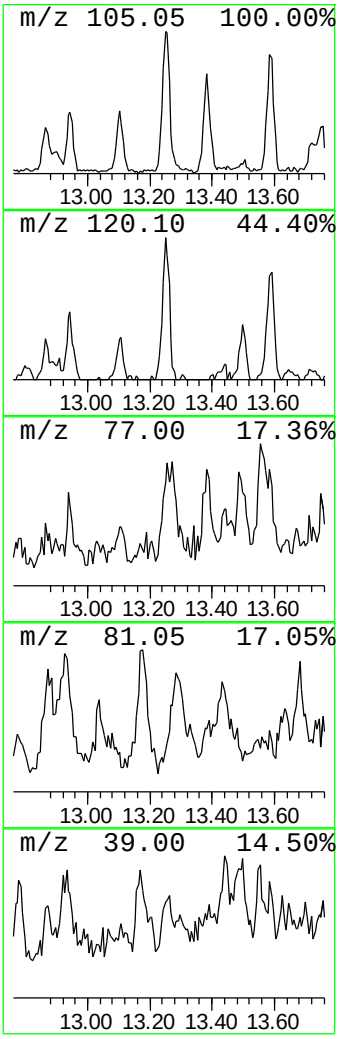
Peak Number 18 Benzene, 1-ethyl-3-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.84 ug/L	22616	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	81
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	74
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

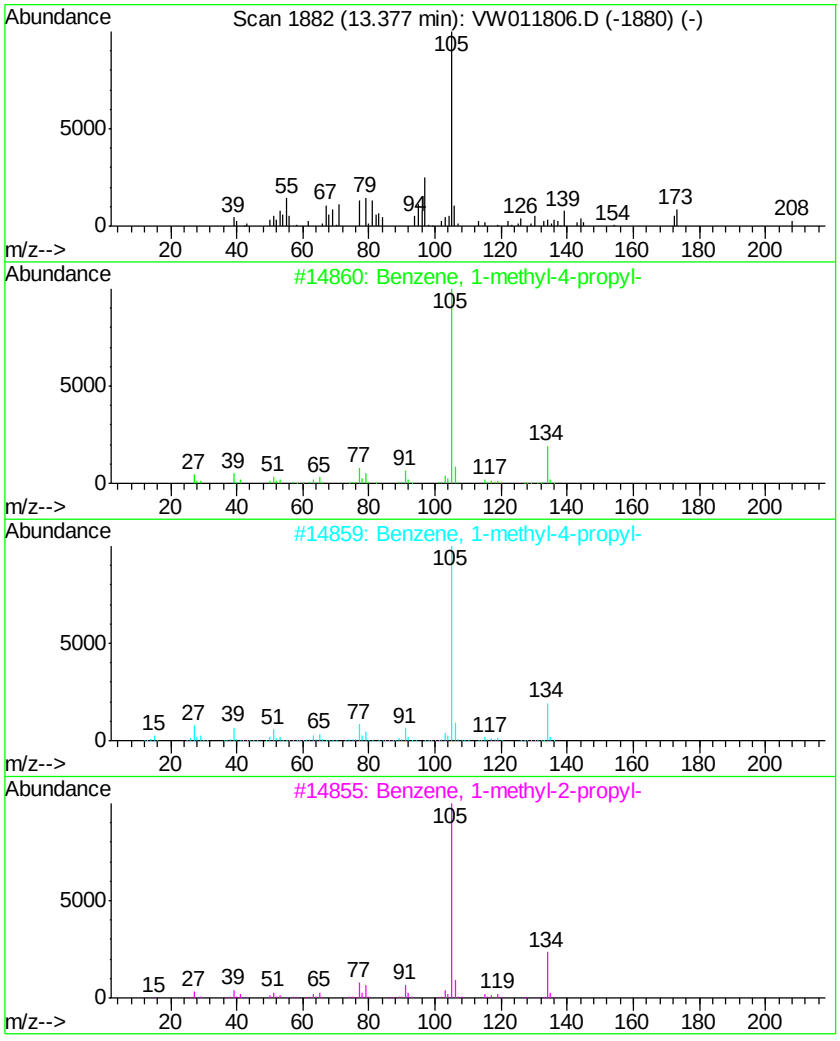
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

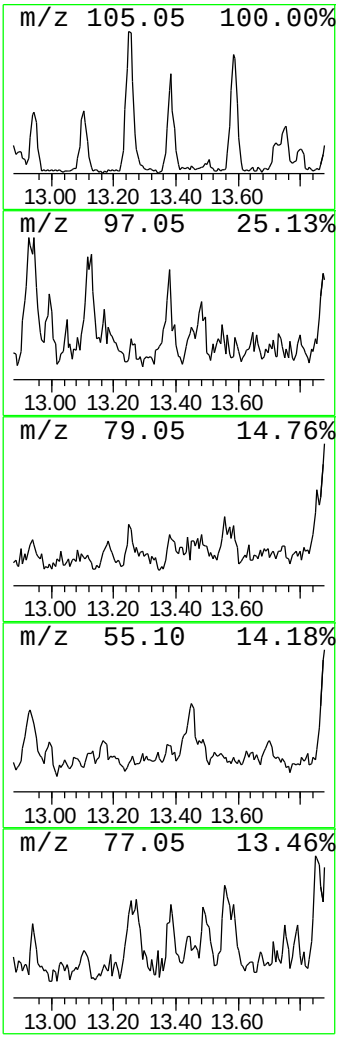
****

Peak Number 19 unknown-05 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	1.77 ug/L	14070	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	43
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	43
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	43
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	38
5	2-Nitrophenyl-.beta.-phenylpropi...	271	C15H13NO4	040123-51-1	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

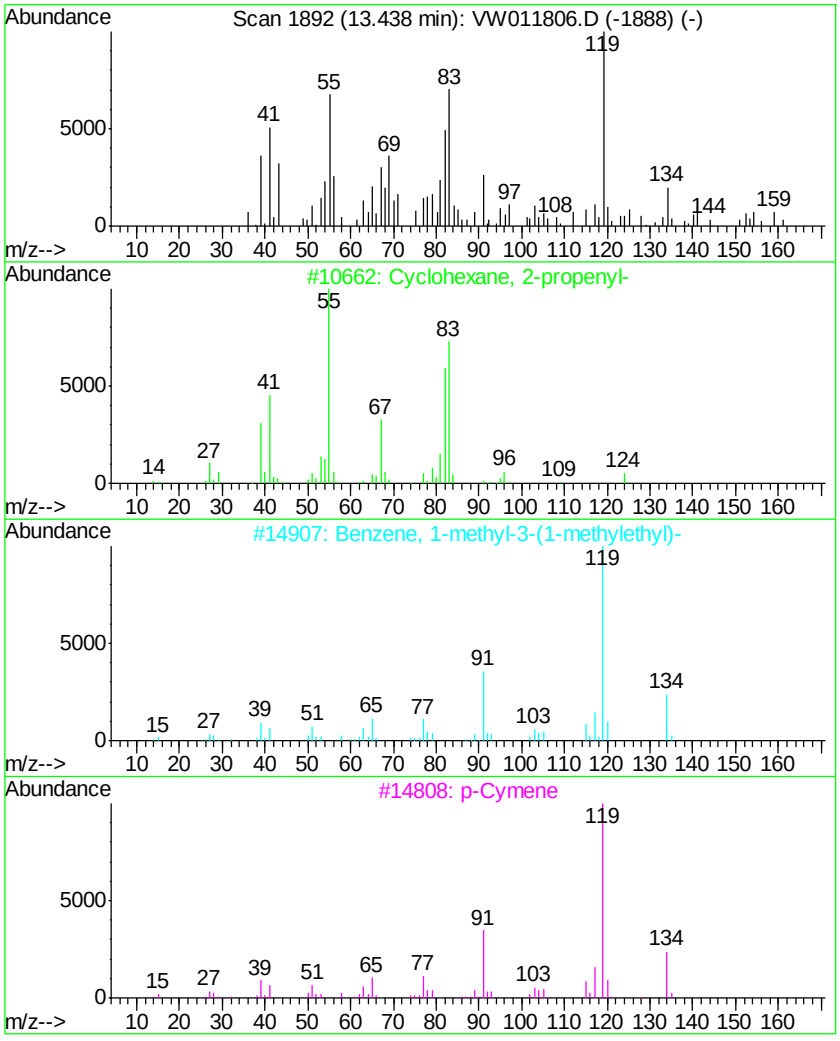
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

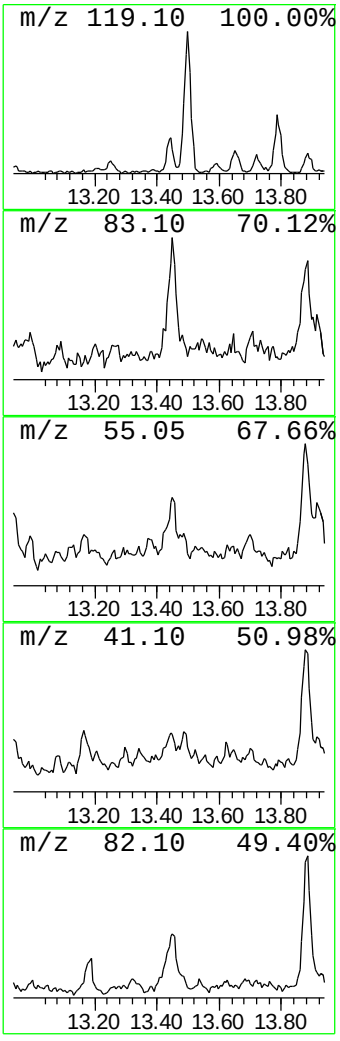
****

Peak Number 20 unknown-06 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	4.64 ug/L	36945	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	43
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
3	p-Cymene	134	C10H14	000099-87-6	38
4	1-Chloromethyl-3,5-dimethylbenzene	154	C9H11Cl	002745-54-2	35
5	o-Cymene	134	C10H14	000527-84-4	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

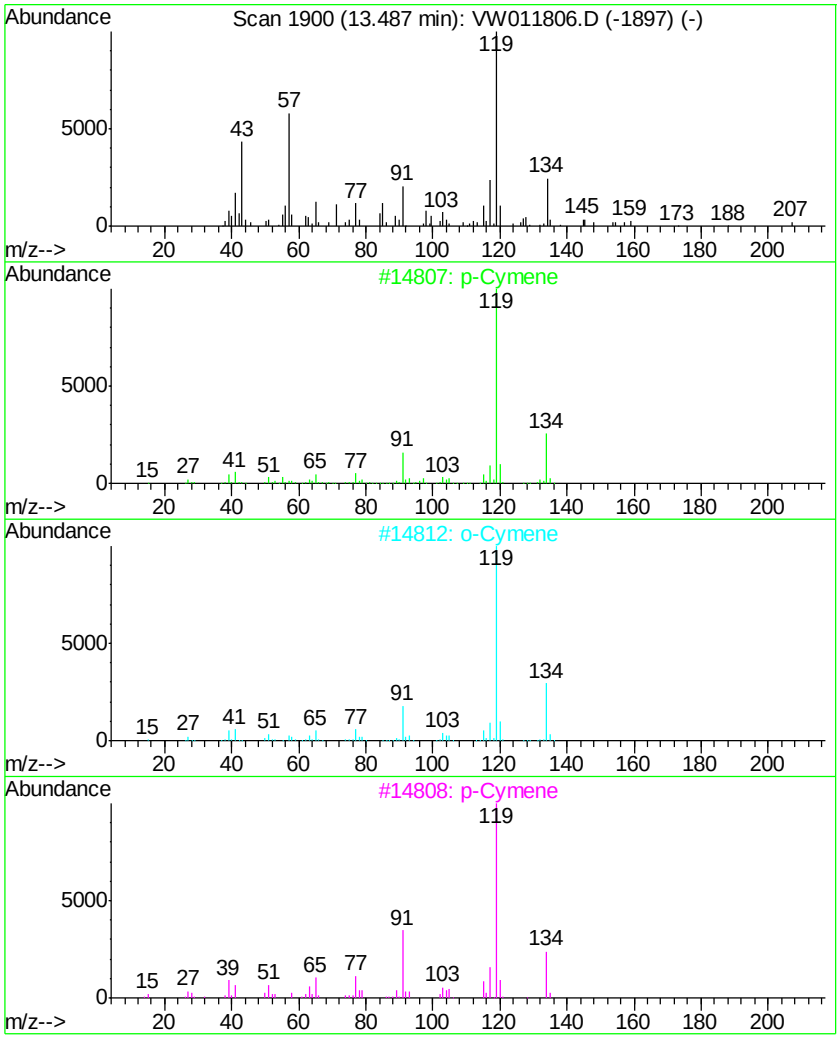
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

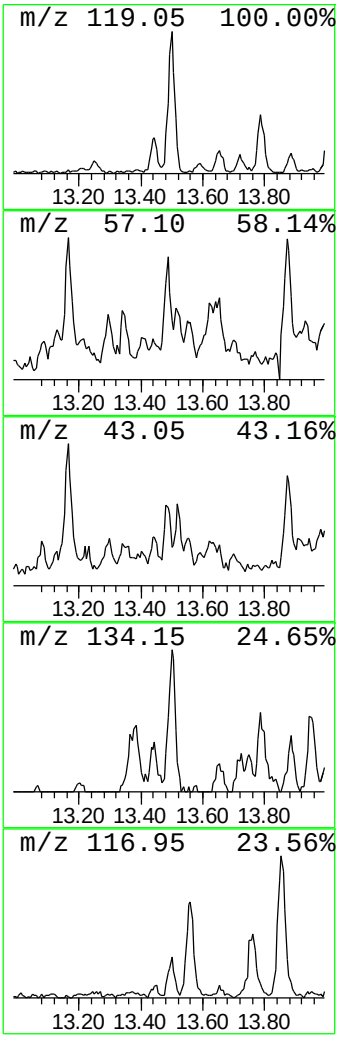
****

Peak Number 21 p-Cymene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	5.44 ug/L	43253	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	81
2	o-Cymene	134	C10H14	000527-84-4	80
3	p-Cymene	134	C10H14	000099-87-6	80
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	80
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

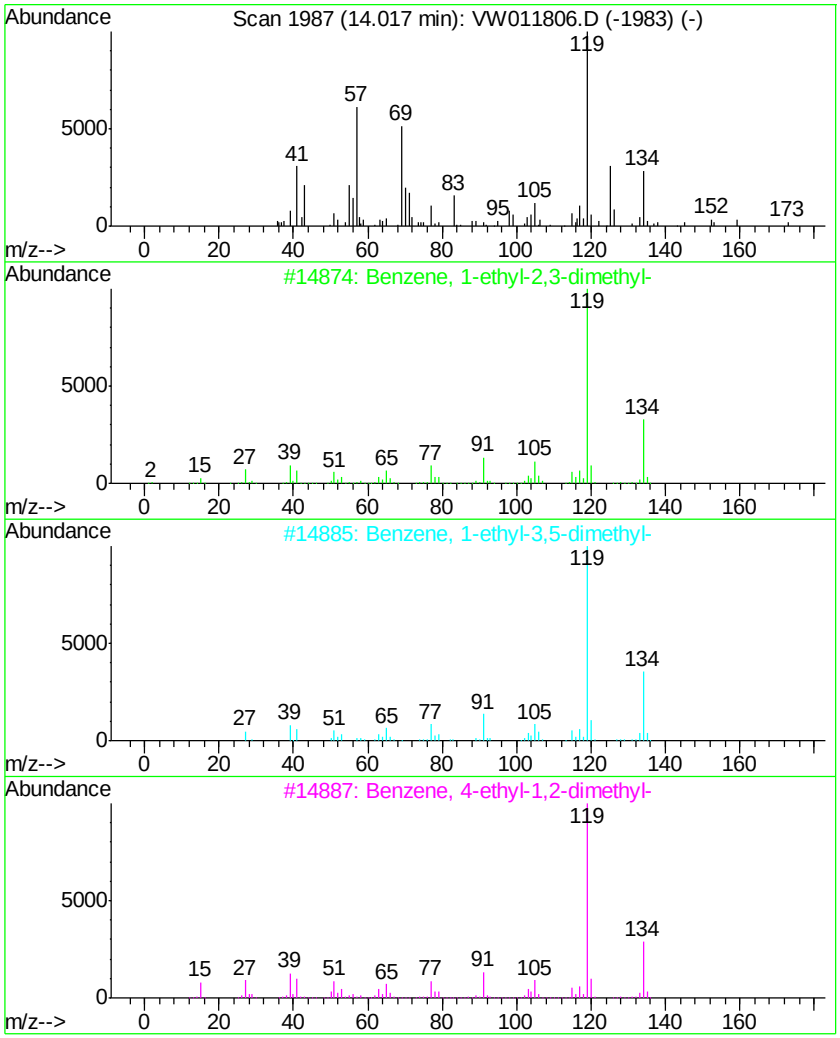
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

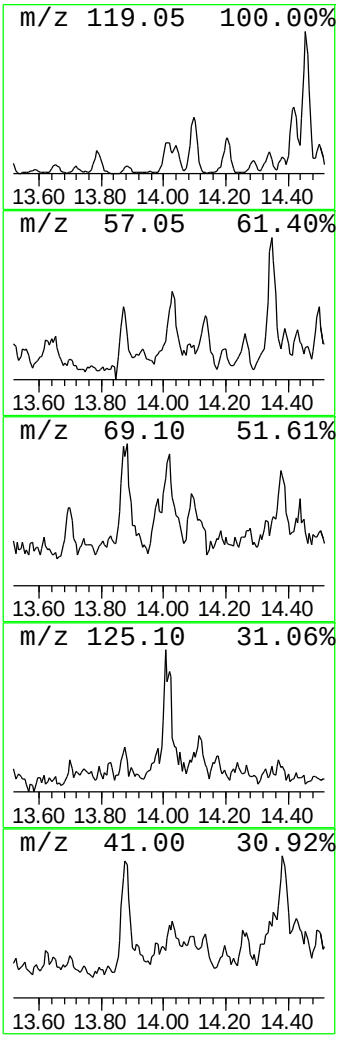
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.83 ug/L	22528	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	58
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	58
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	58
4	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	58
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

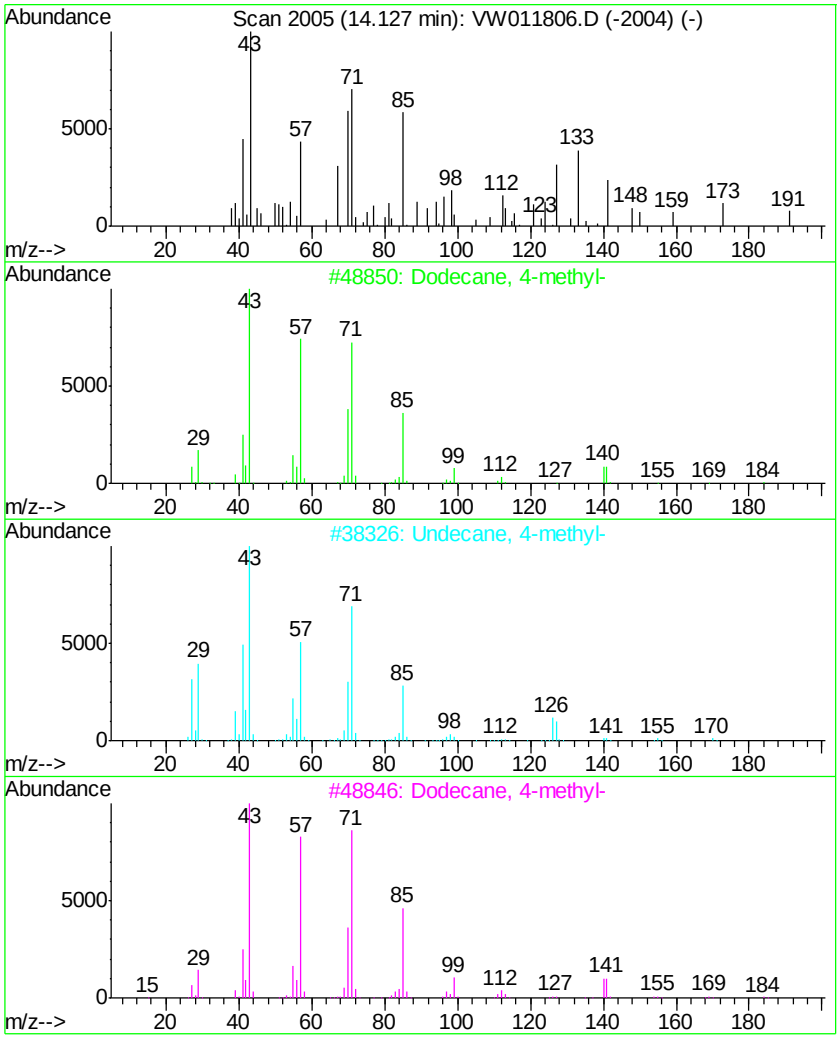
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

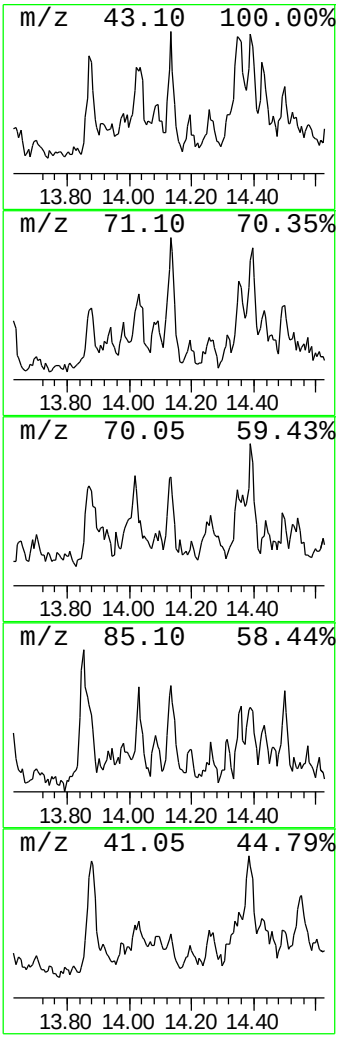
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2.13 ug/L	16910	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	47
2	Undecane, 4-methyl-	170	C12H26	002980-69-0	43
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	38
4	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	38
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

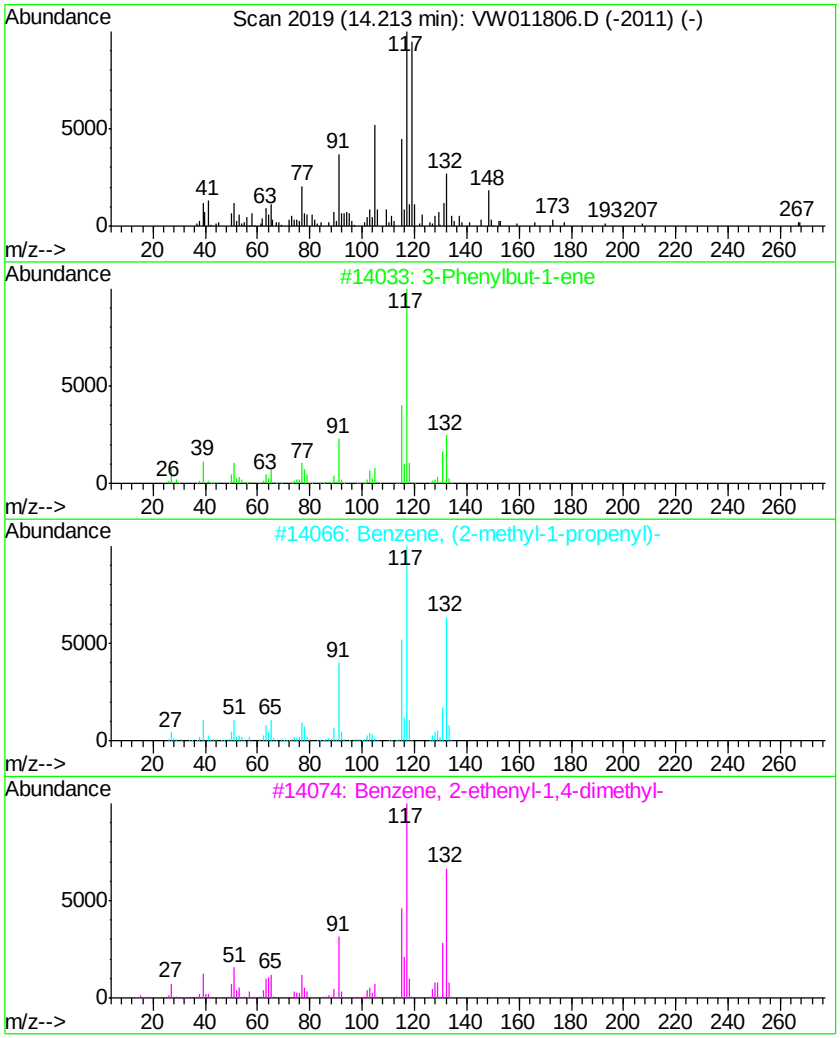
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

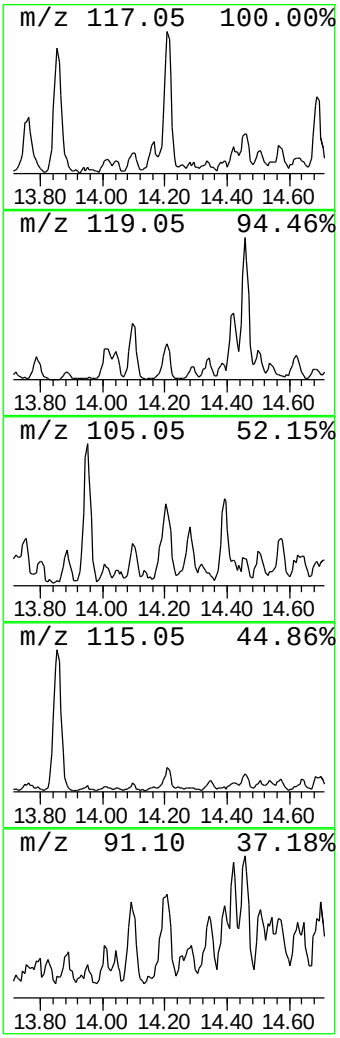
****

Peak Number 24 3-Phenylbut-1-ene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	8.01 ug/L	63762	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	50
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	50
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	43
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	43





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Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

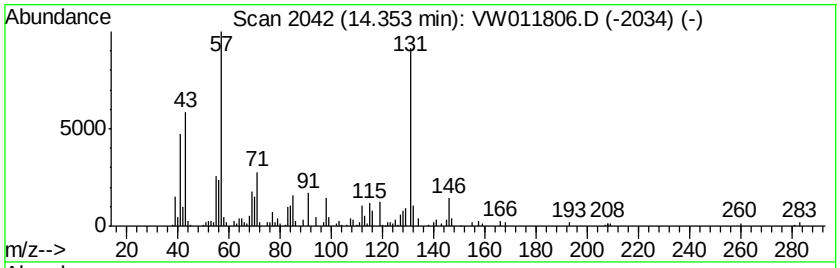
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

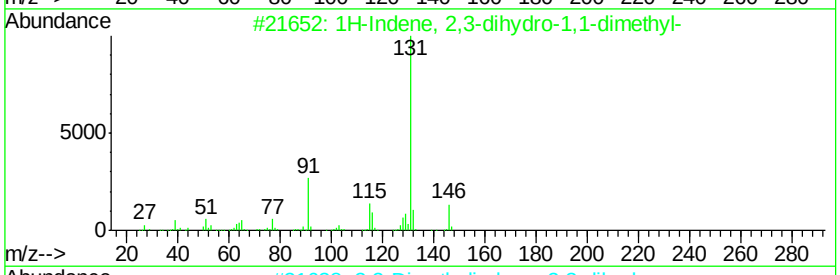
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

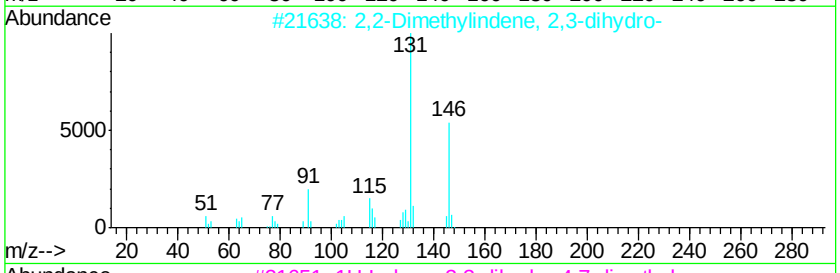
****
Peak Number 26 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 12

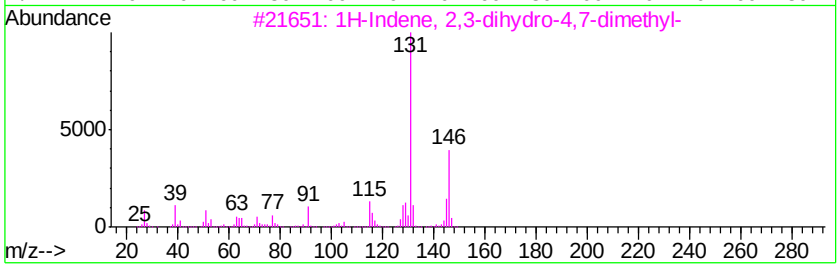
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	8.73 ug/L	69485	1,4-Dichlorobenzene-d4	13.56

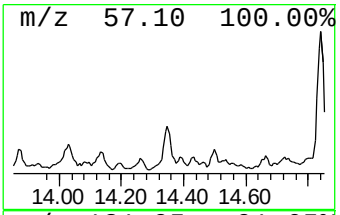
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	55
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	49
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	49
4	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	49
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	49

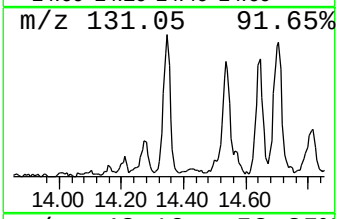


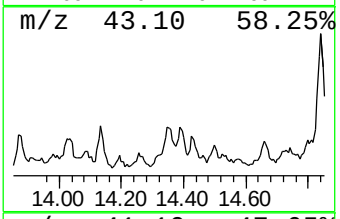


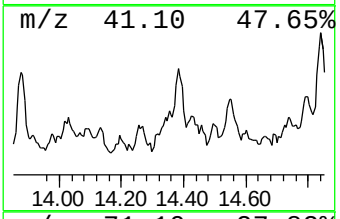


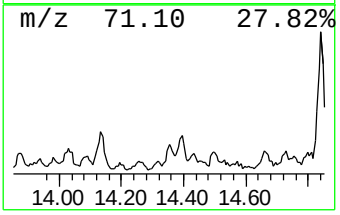












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

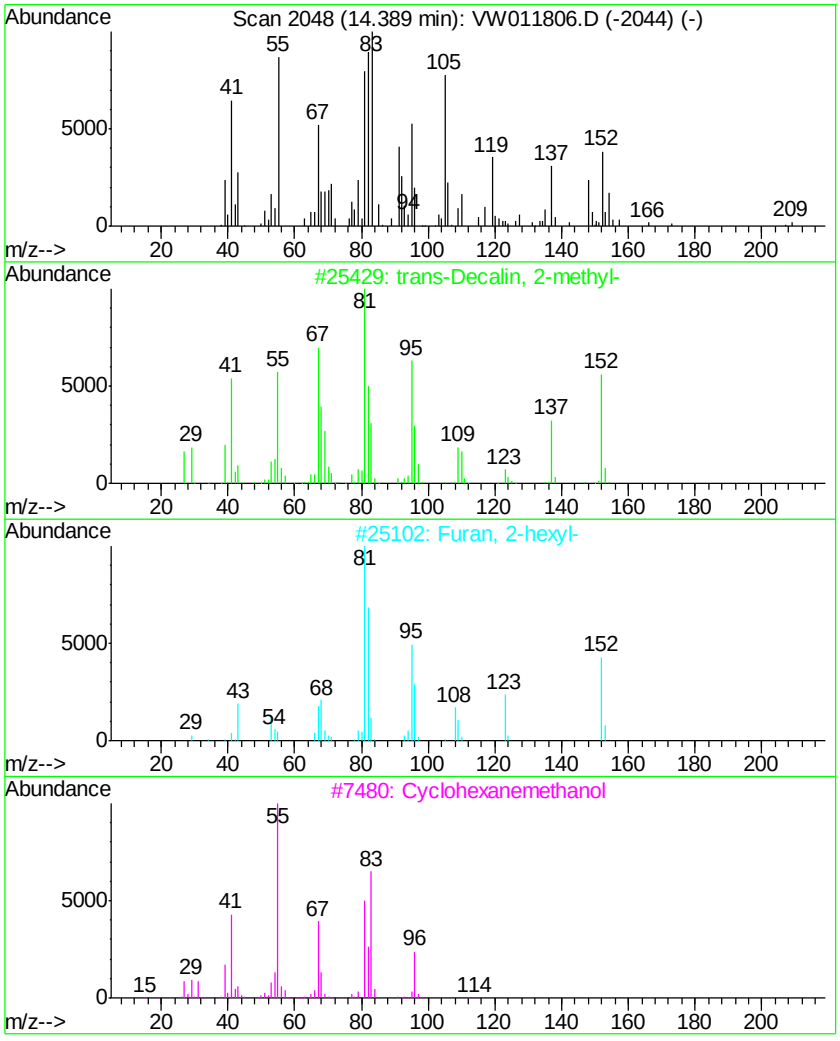
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

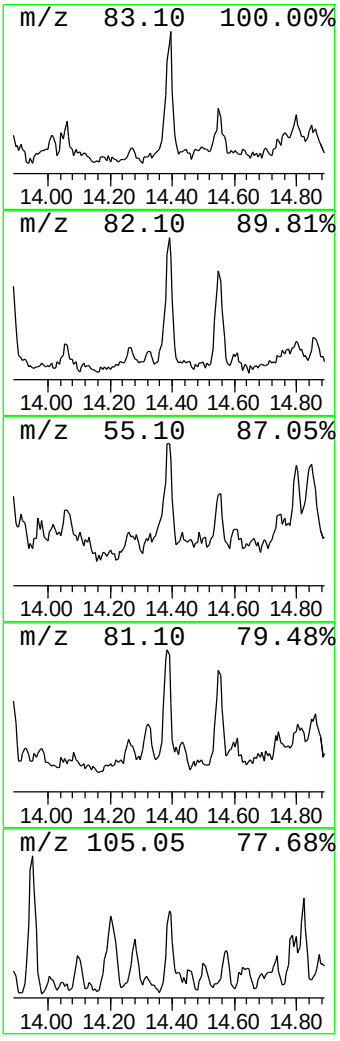
****

Peak Number 27 unknown-07 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	12.91 ug/L	102701	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	46
2	Furan, 2-hexyl-	152	C10H16O	003777-70-6	41
3	Cyclohexanemethanol	114	C7H14O	000100-49-2	38
4	Cyclohexanemethanol	114	C7H14O	000100-49-2	38
5	cis-syn-6-tert-Butylperhydroazul...	208	C14H24O	085283-13-2	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

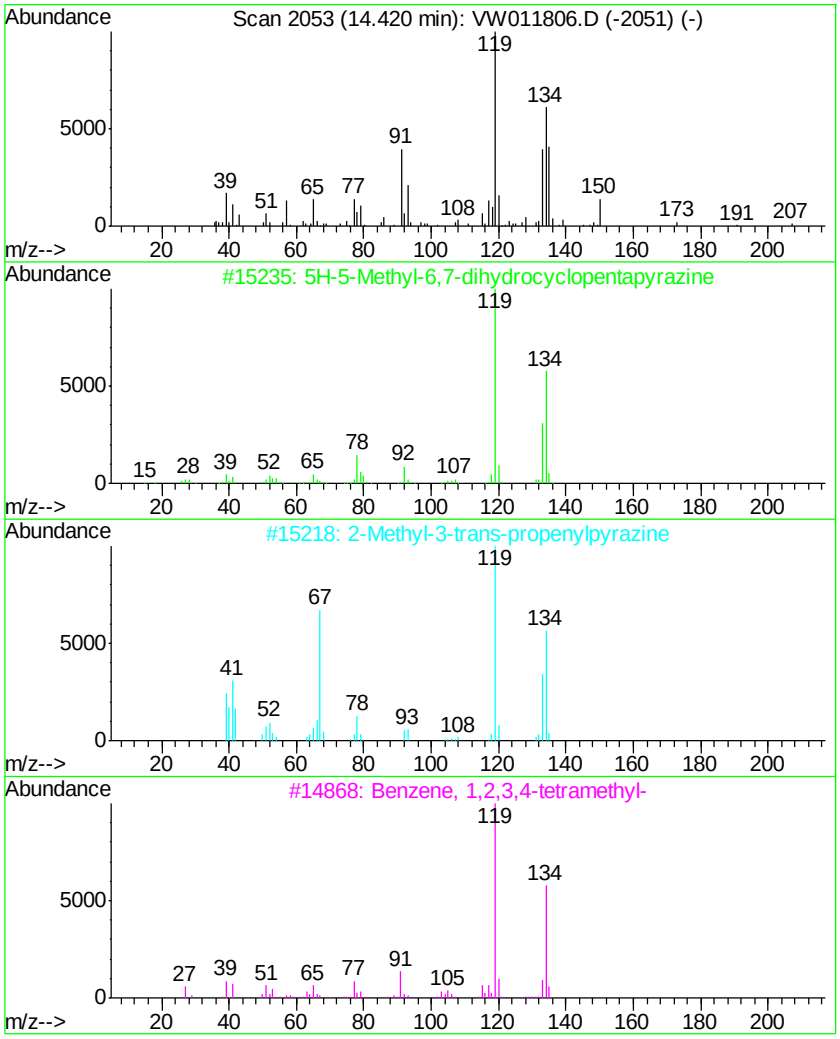
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

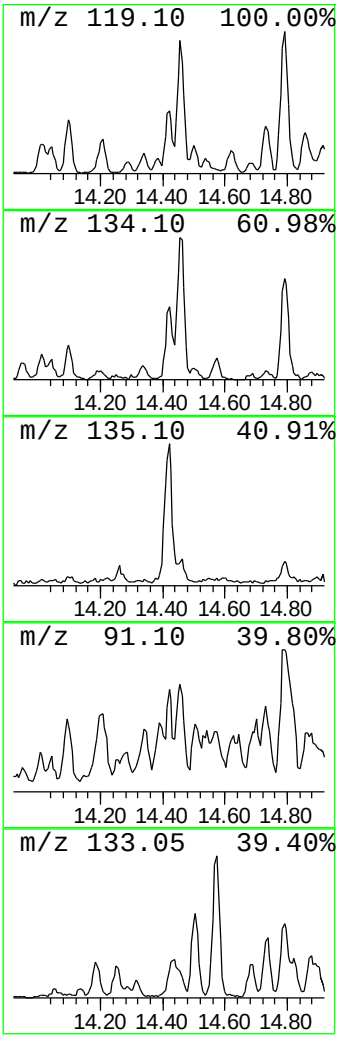
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 5H-5-Methyl-6,7-dihydrocycl... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	7.48 ug/L	59481	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	58
2	2-Methyl-3-trans-propenylpyrazine	134	C8H10N2	232255-41-3	52
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	46
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	46
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

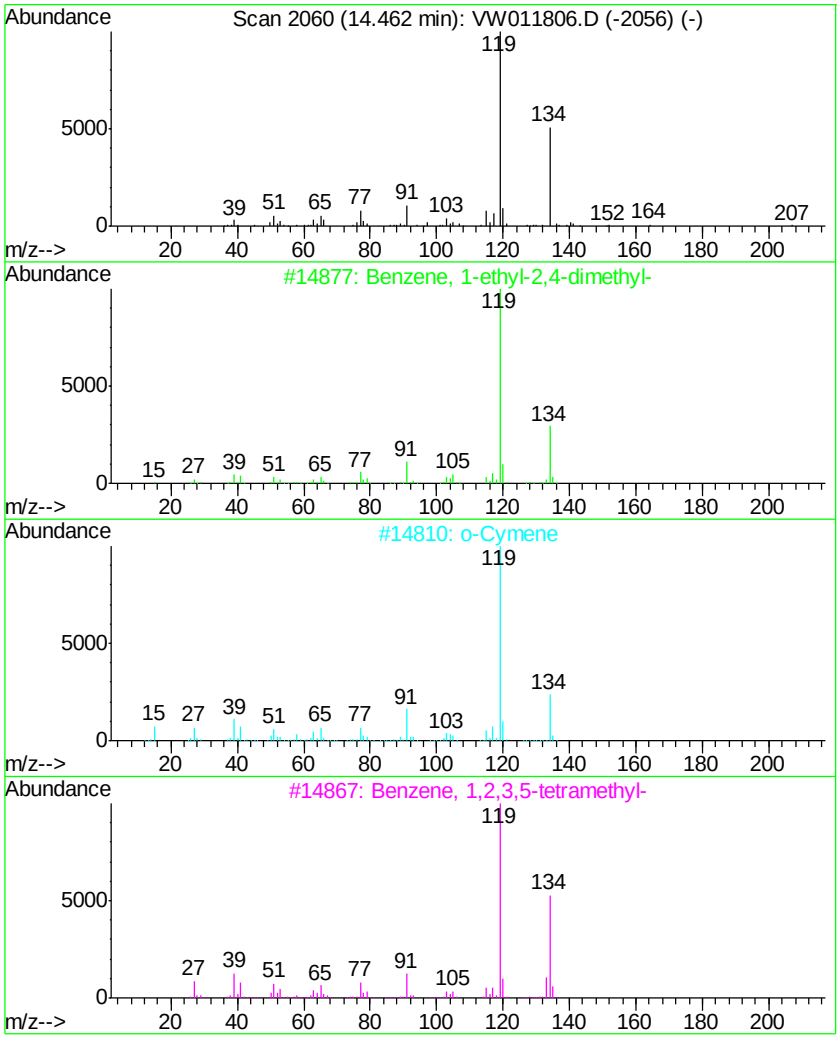
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

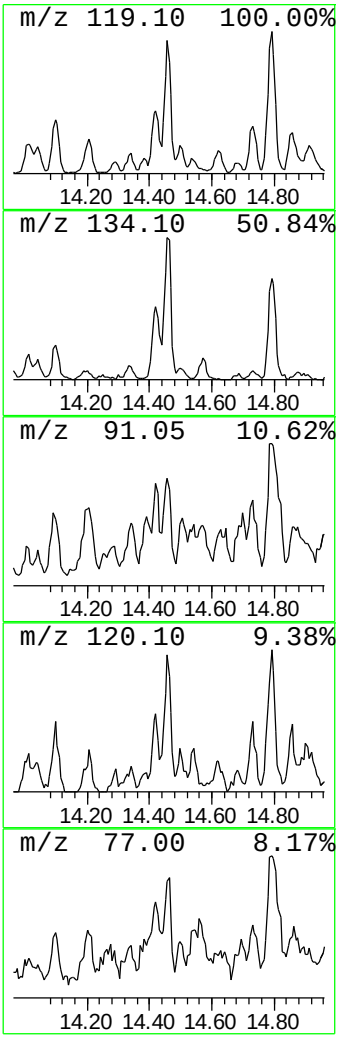
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	8.62 ug/L	68551	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
2	o-Cymene	134	C10H14	000527-84-4	90
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
4	p-Cymene	134	C10H14	000099-87-6	90
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

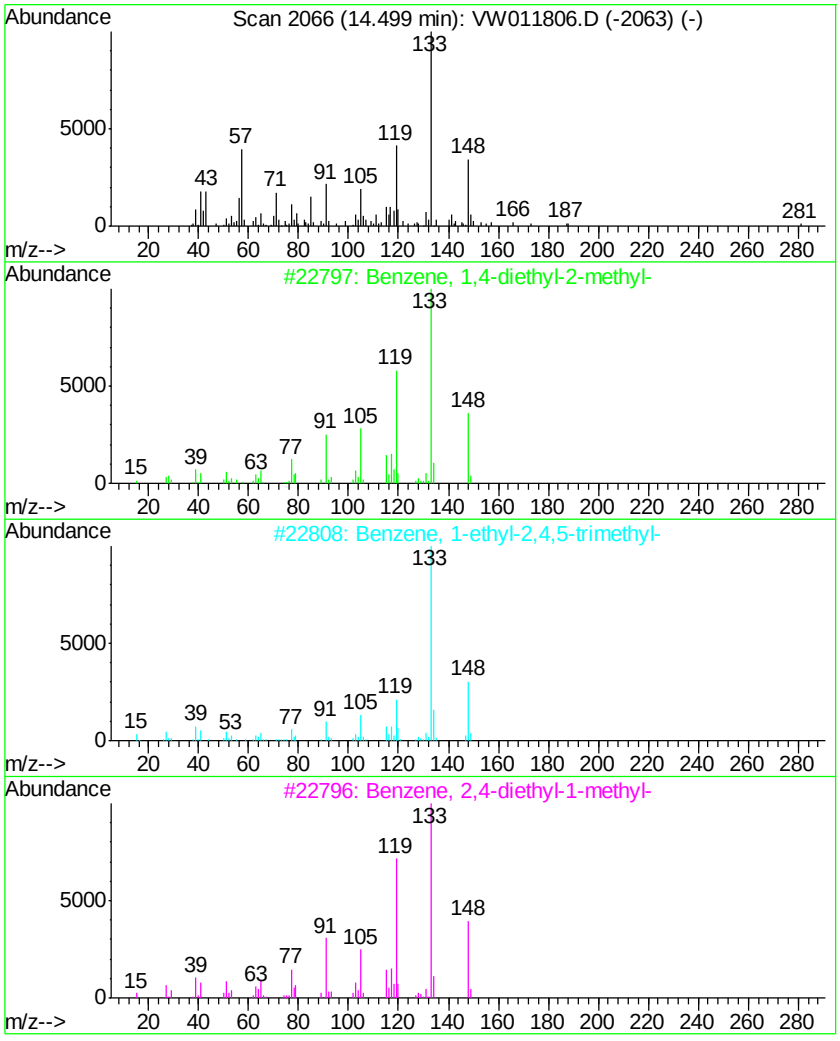
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

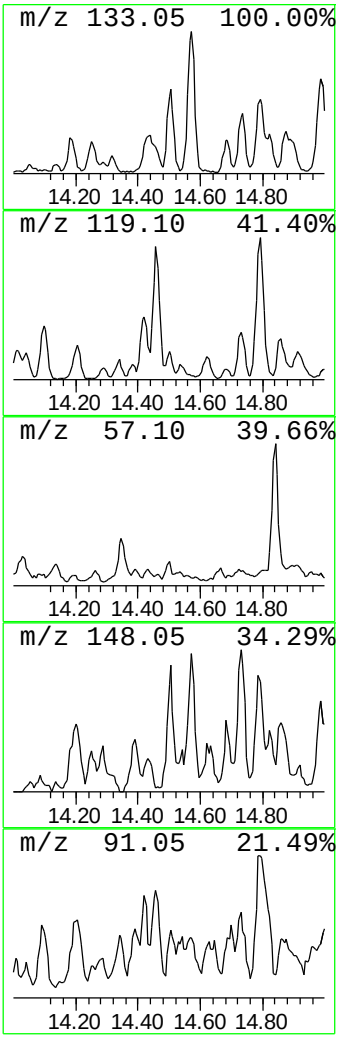
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	4.69 ug/L	37326	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	93
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	74
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	64
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	58
5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

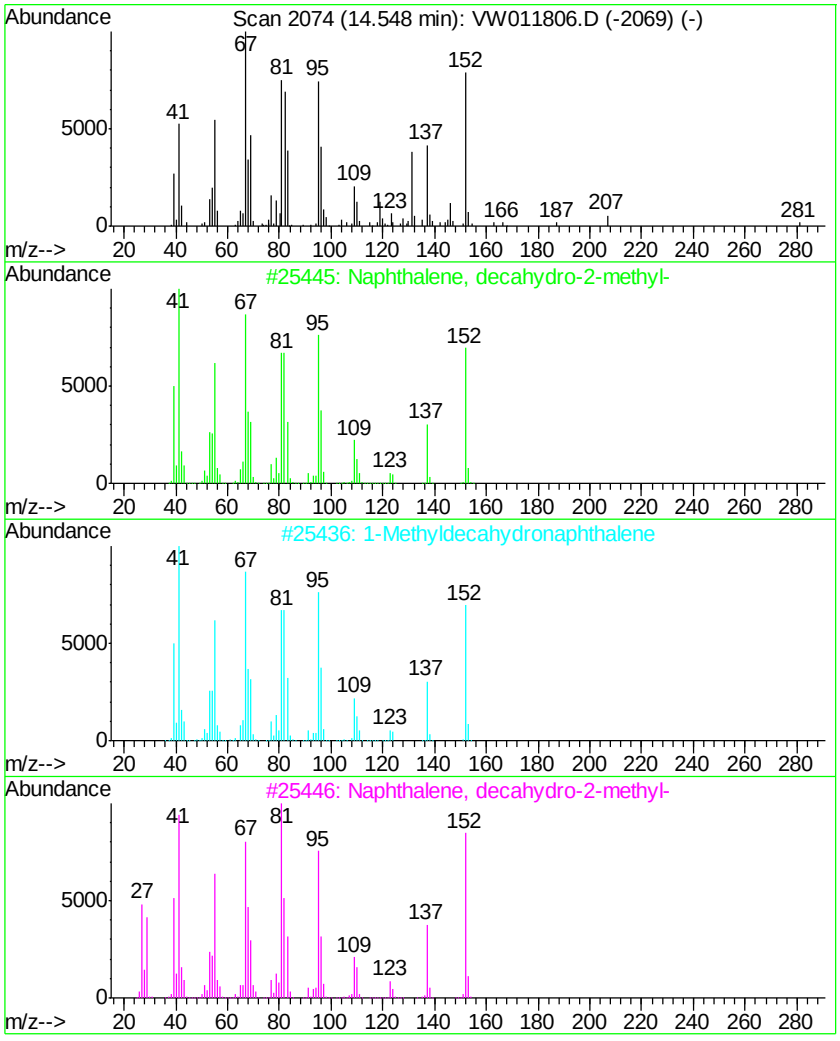
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

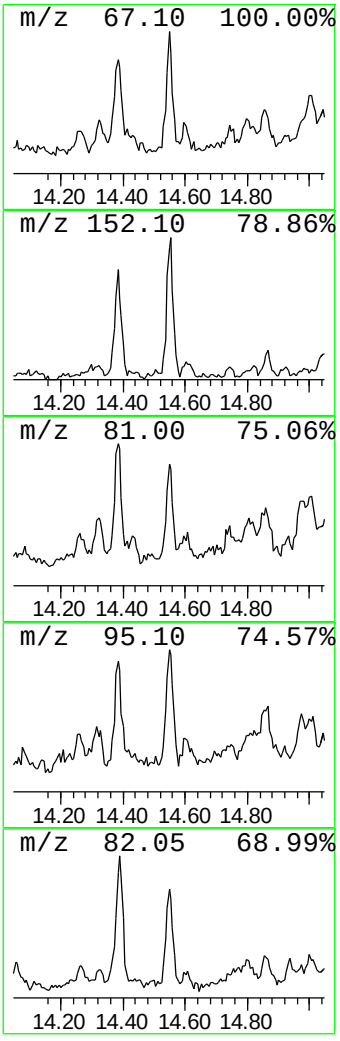
****

Peak Number 31 Naphthalene, decahydro-2-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	12.75 ug/L	101472	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	76
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
5	6-Dodecyne	166	C12H22	006975-99-1	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

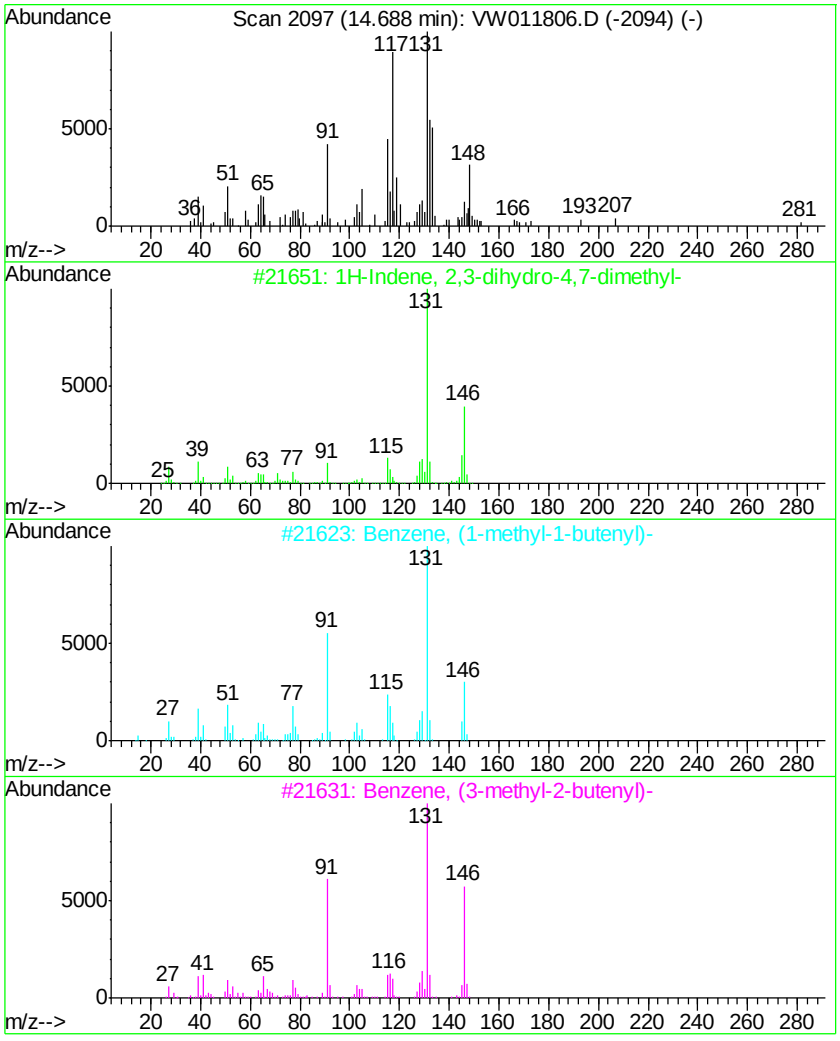
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

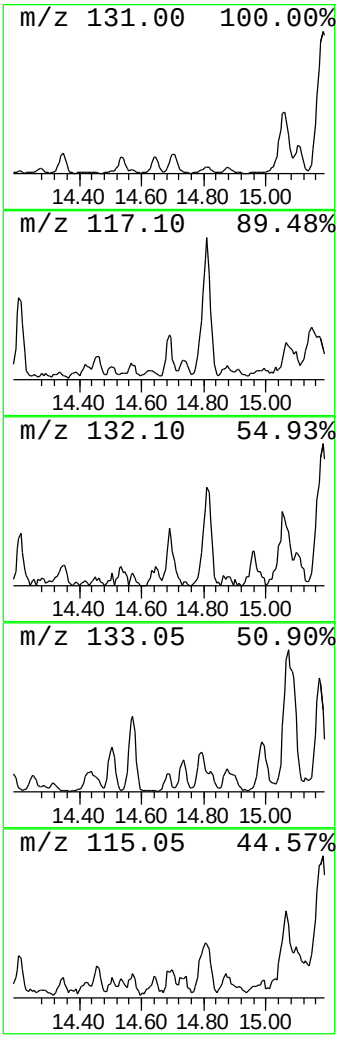
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	3.71 ug/L	29543	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	52
4	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	49
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

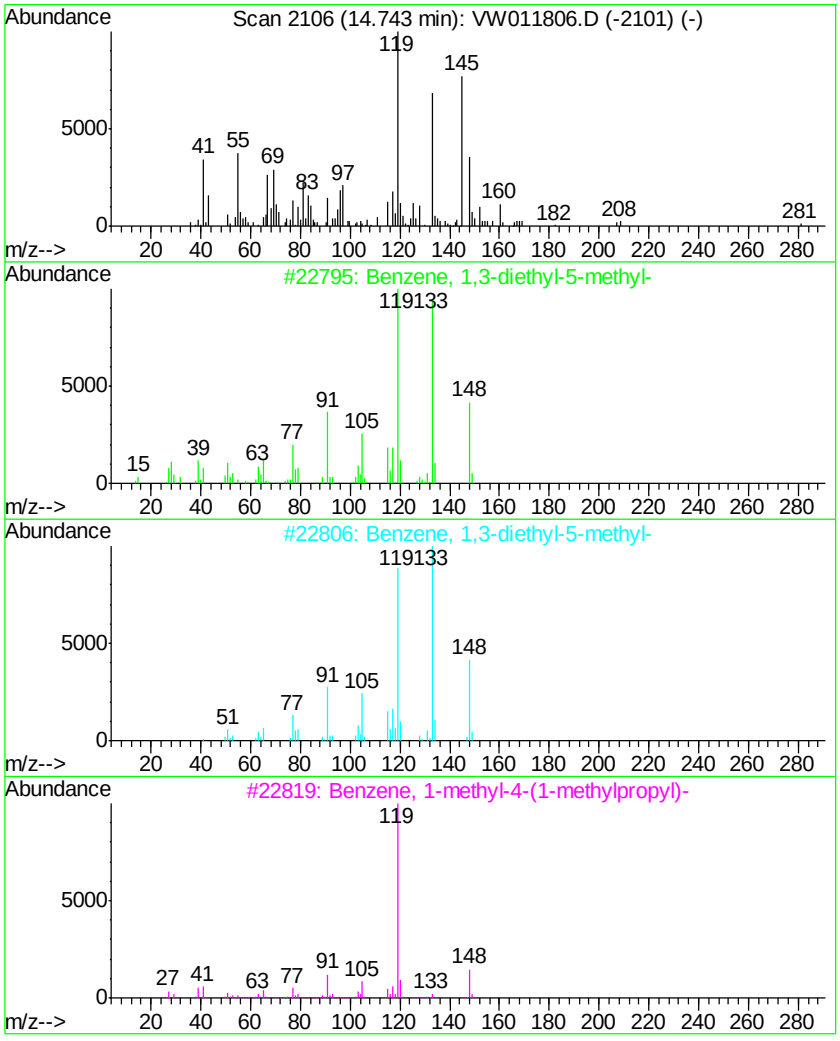
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

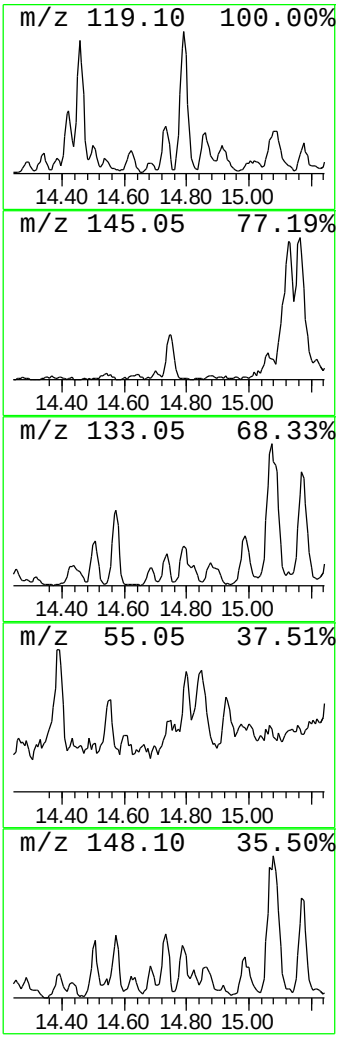
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	5.97 ug/L	47509	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	49
3	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	46
4	Diallylmethylchlorosilane	160	C7H13ClSi	018245-11-9	43
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

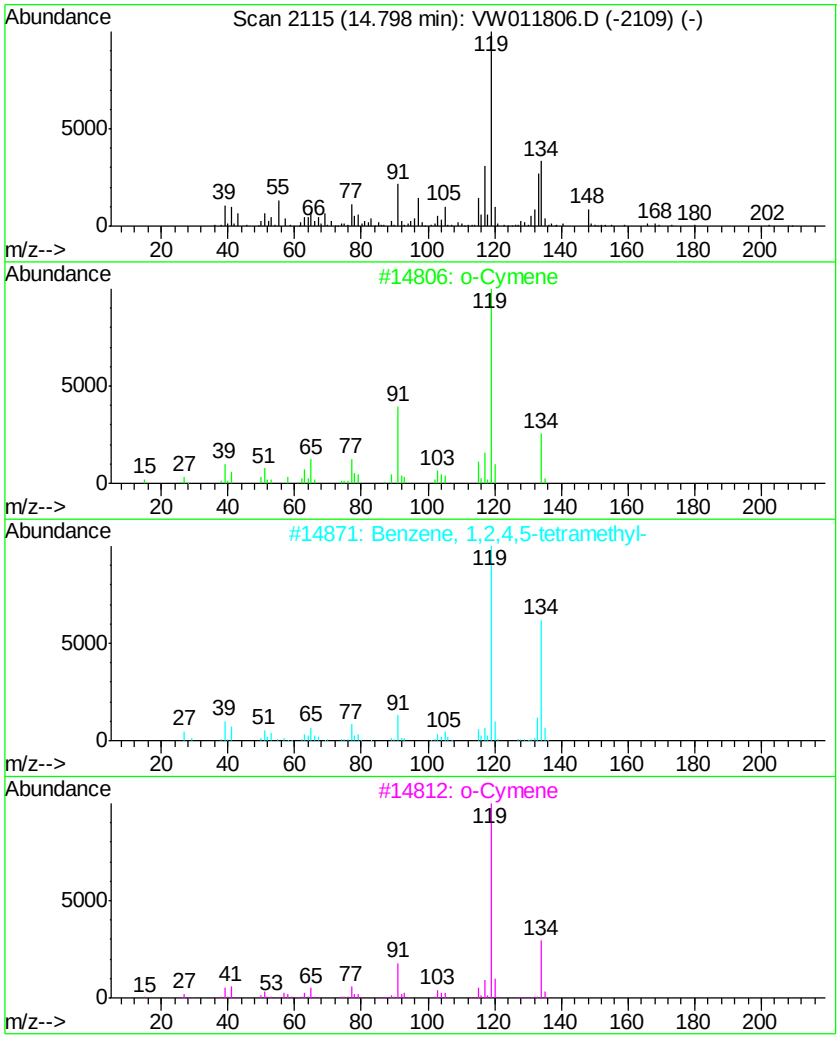
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

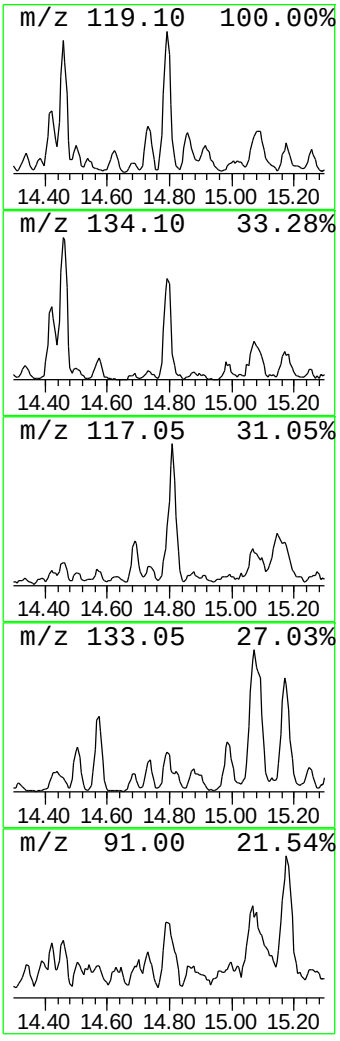
****

Peak Number 34 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	21.01 ug/L	167179	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	70
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
3	o-Cymene	134	C10H14	000527-84-4	70
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
5	o-Cymene	134	C10H14	000527-84-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

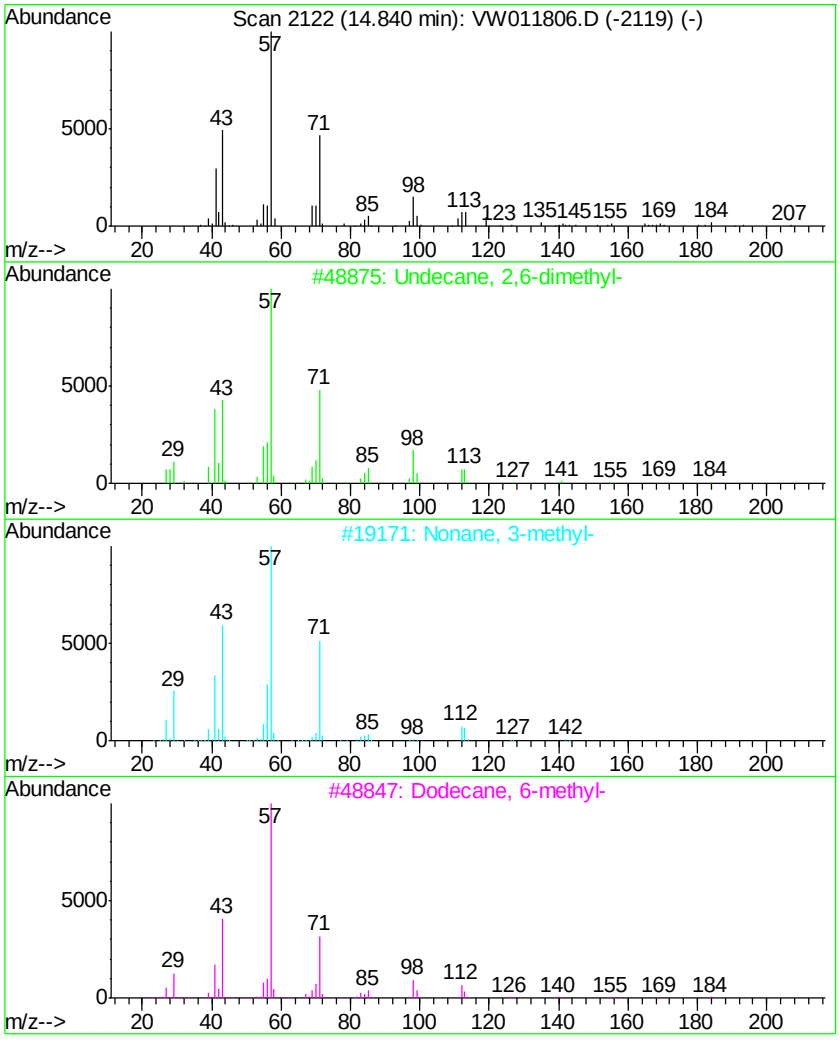
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

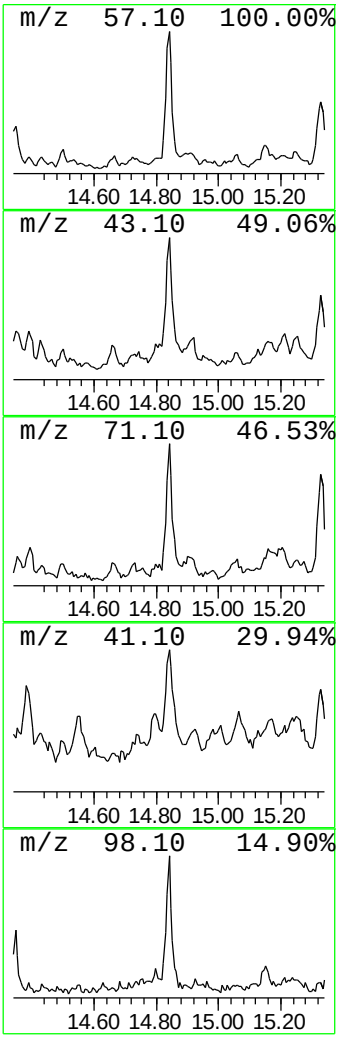
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	15.84 ug/L	126018	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	62
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	58
4	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	53
5	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

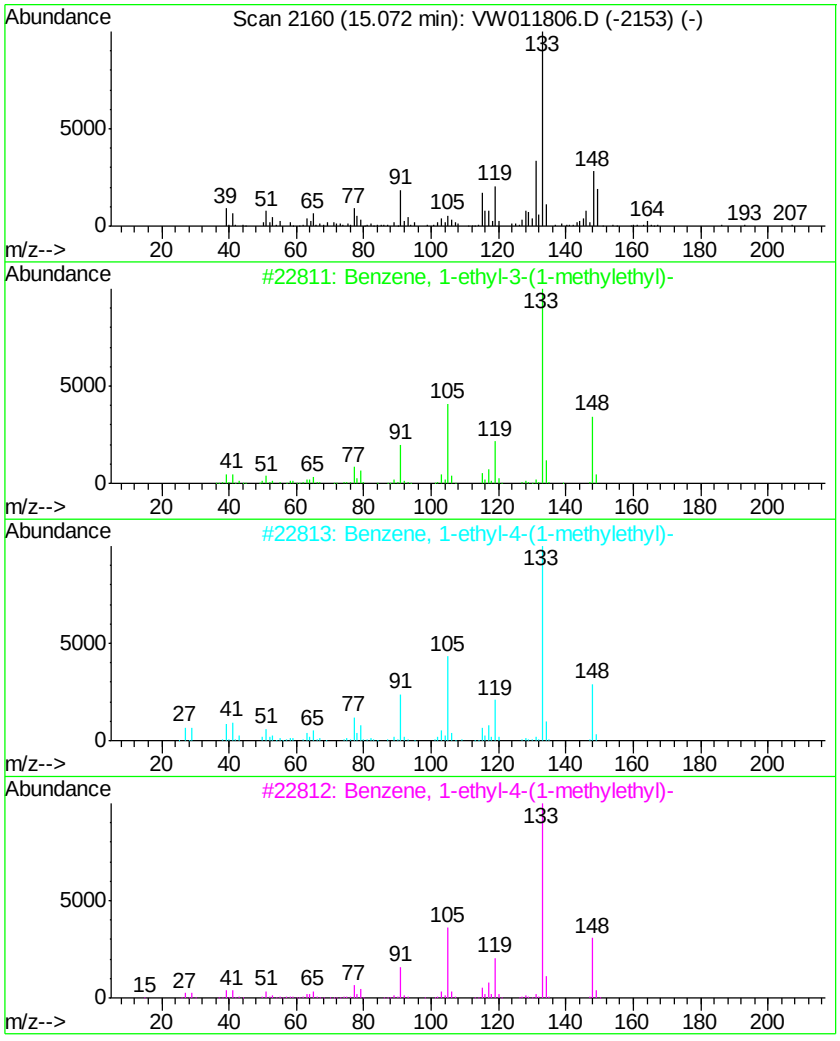
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

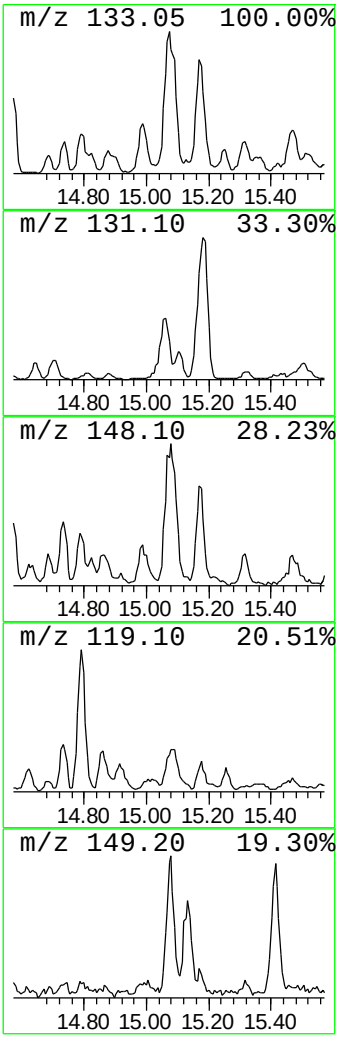
****

Peak Number 36 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	28.42 ug/L	226154	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	47
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

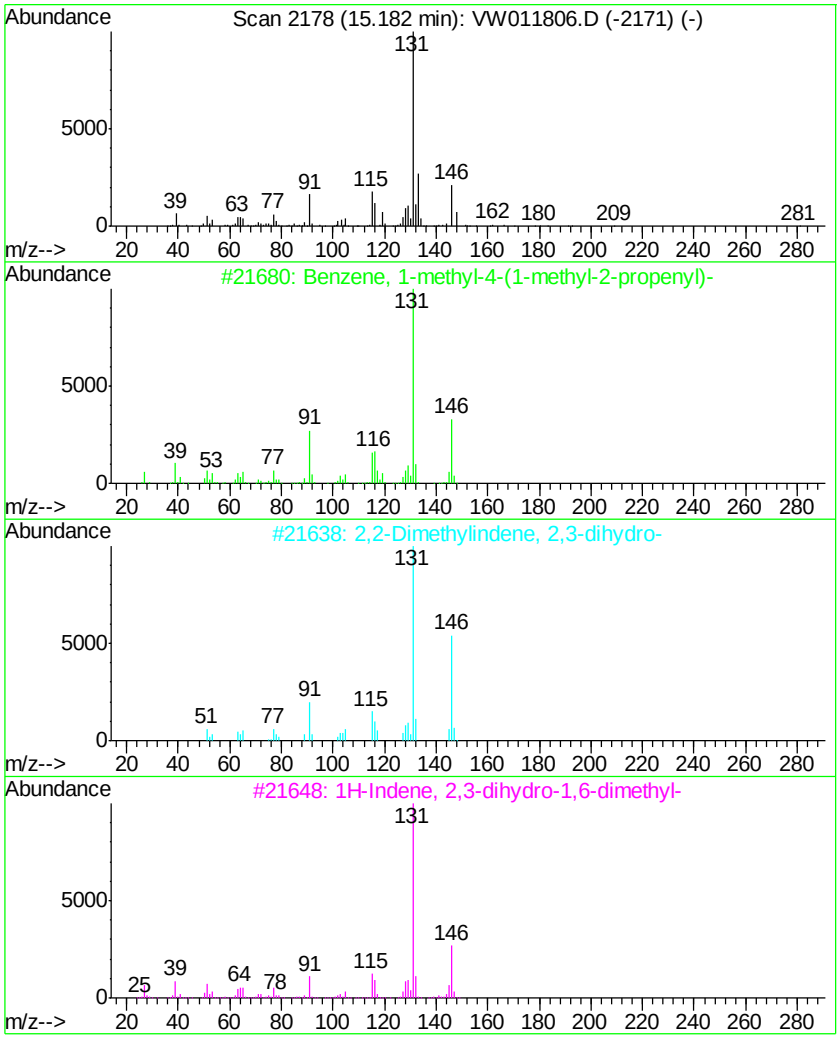
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

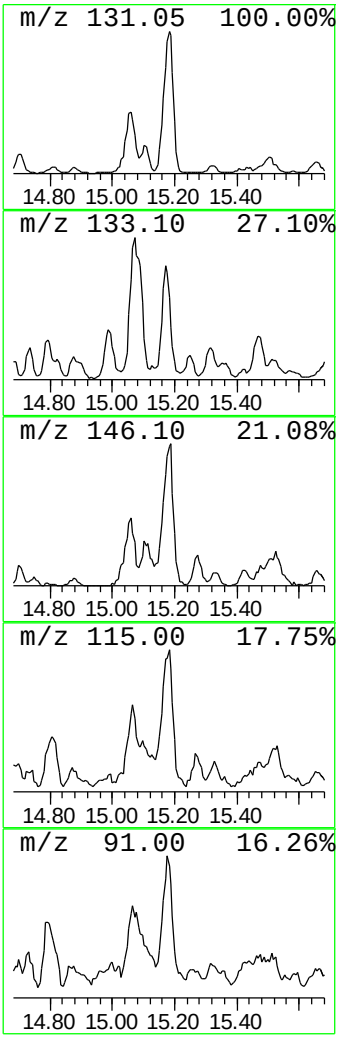
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, 1-methyl-4-(1-meth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	42.37 ug/L	337083	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	64
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

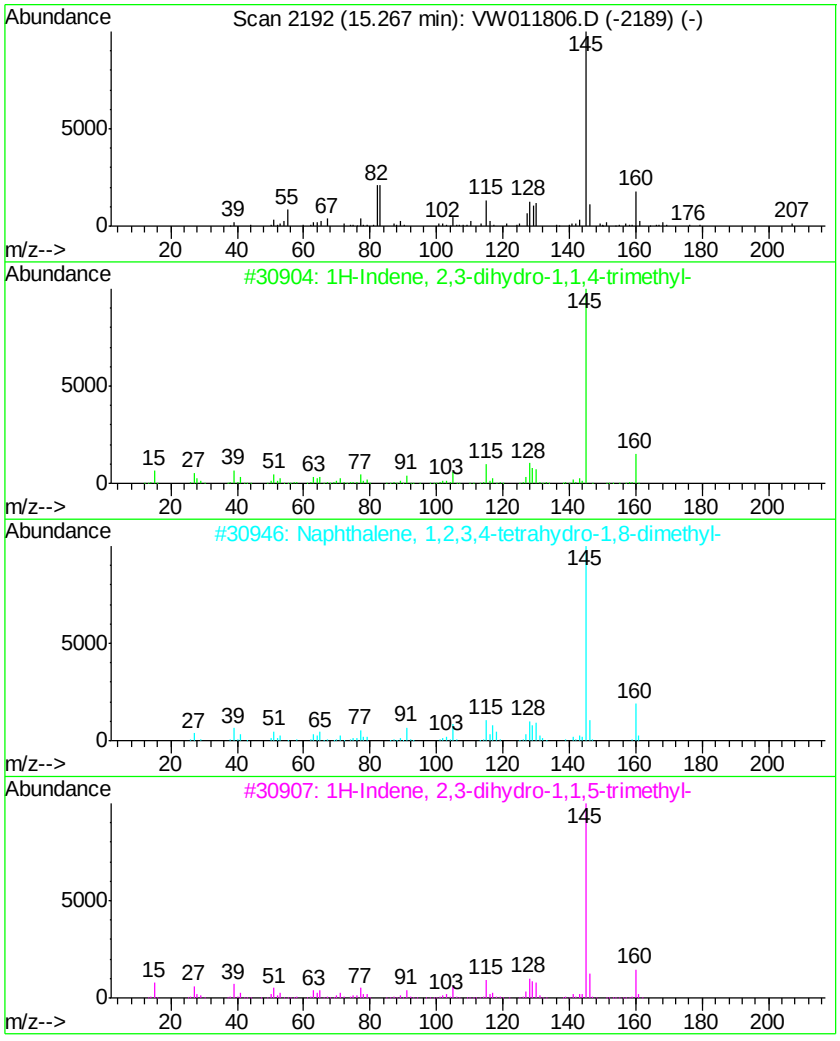
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

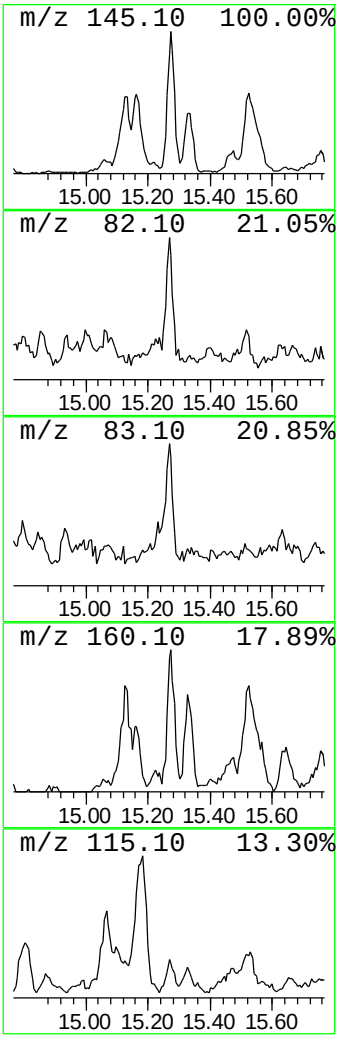
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	9.83 ug/L	78247	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	87
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	86
3	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	86
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	86
5	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

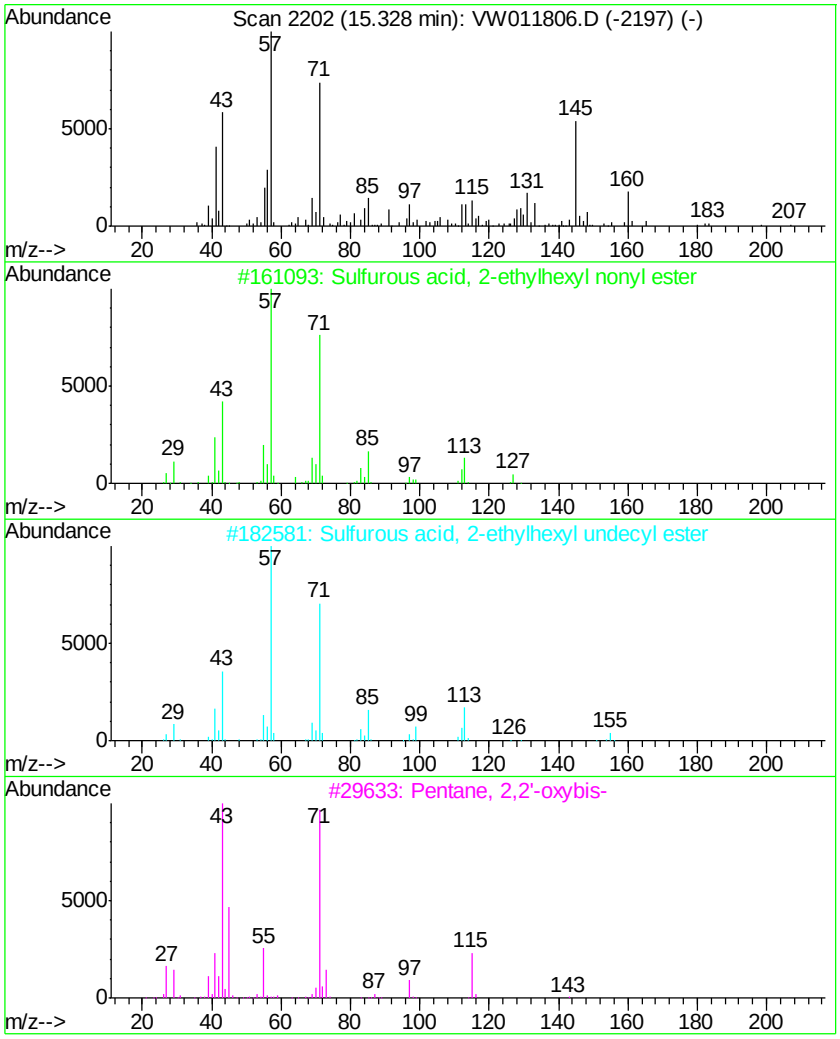
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

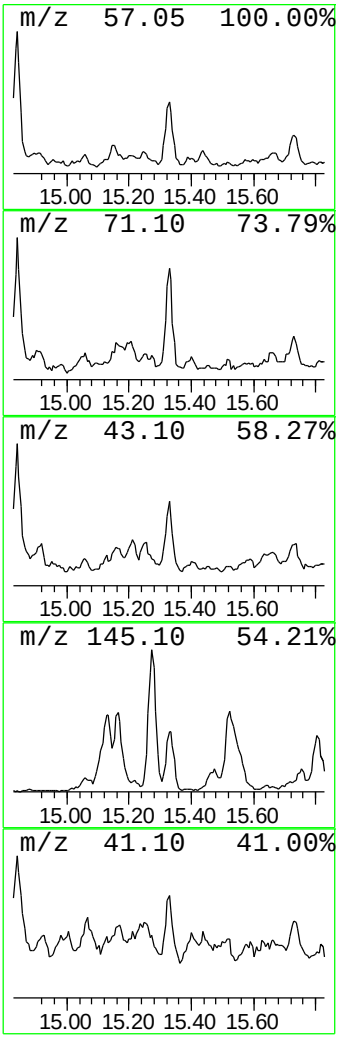
****

Peak Number 39 unknown-08 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	12.18 ug/L	96896	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	46
2	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	38
3	Pentane, 2,2'-oxybis-	158	C10H22O	056762-00-6	35
4	Butanethioic acid, S-(1,1-dimeth...	160	C8H16OS	006330-43-4	35
5	Ether, 3-butenyl pentyl	142	C9H18O	034061-78-4	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

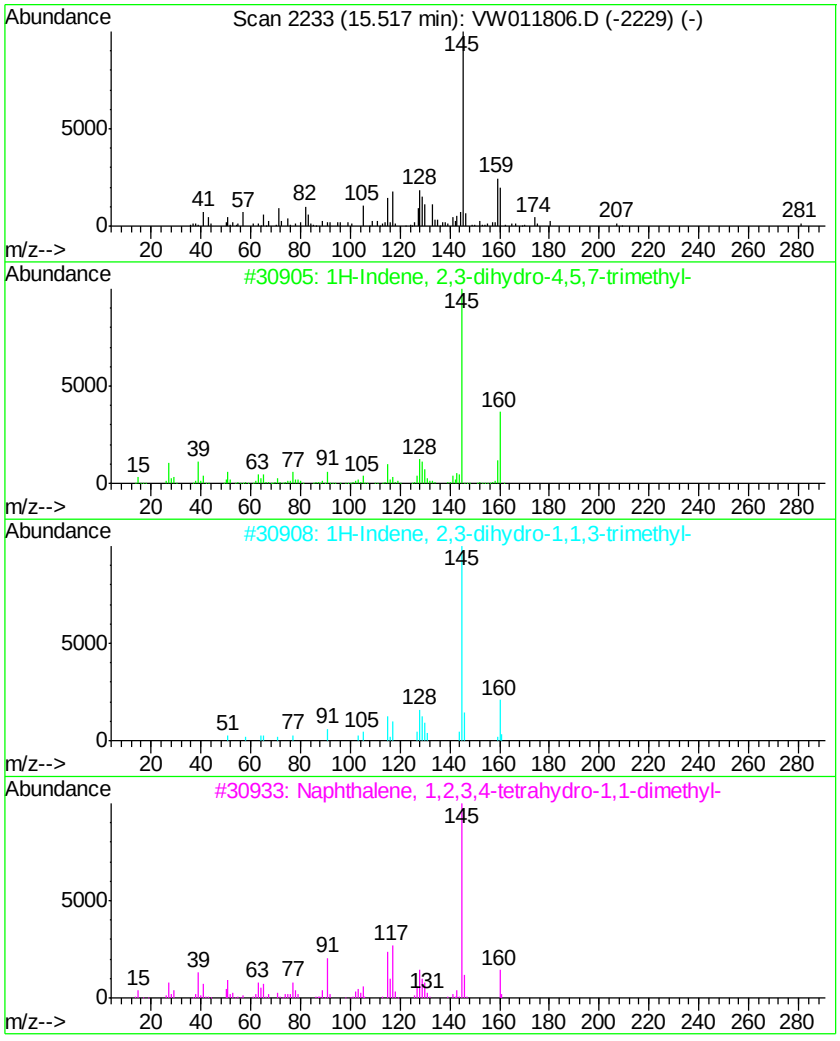
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

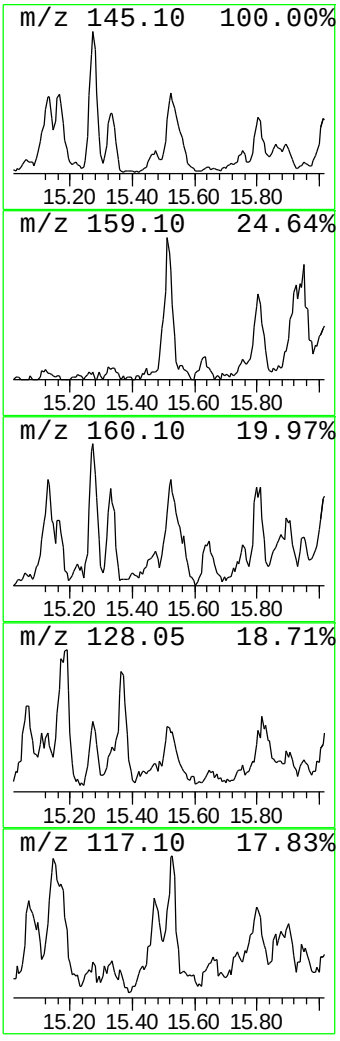
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 1H-Indene, 2,3-dihydro-4,5,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	11.22 ug/L	89301	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	81
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	74
4	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	74
5	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	74





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Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

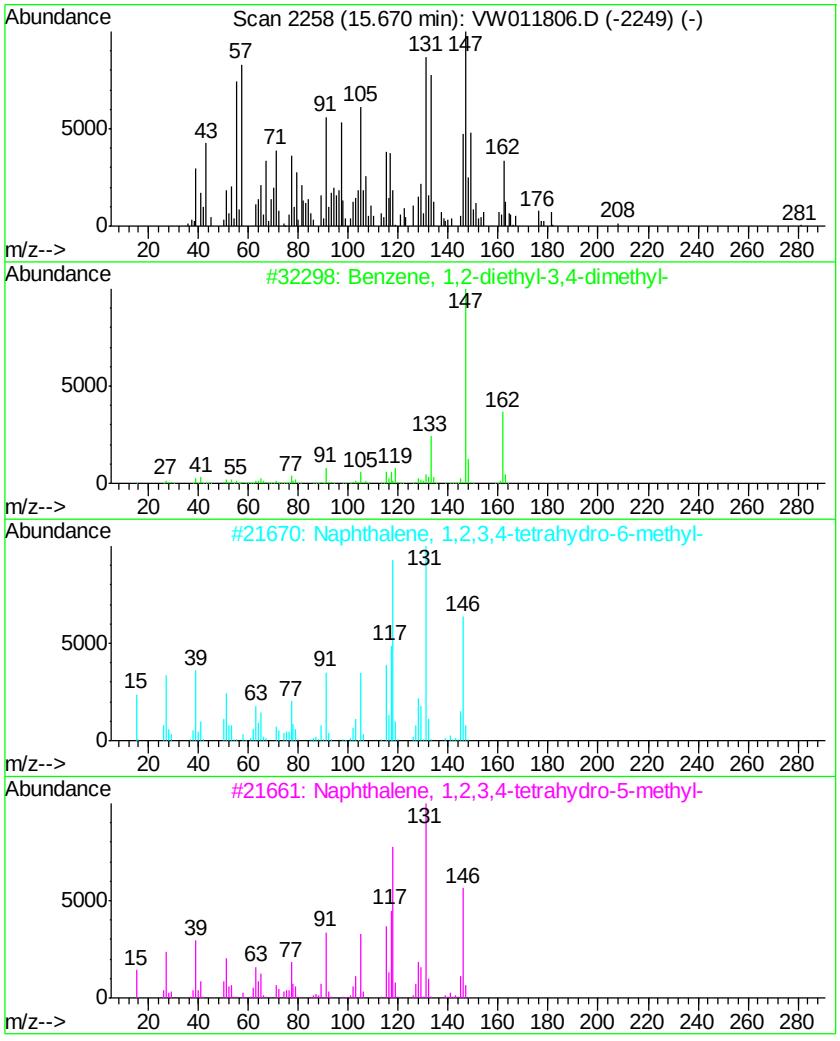
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

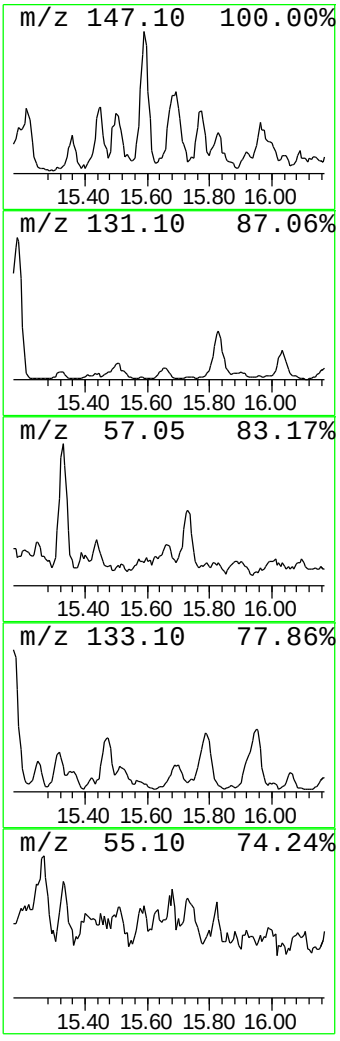
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, 1,2-diethyl-3,4-di... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	11.06 ug/L	87958	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-3,4-dimethyl-	162	C12H18	054410-75-2	50
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	38
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	38
4	Benzene, 1,2,4-triethyl-	162	C12H18	000877-44-1	38
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

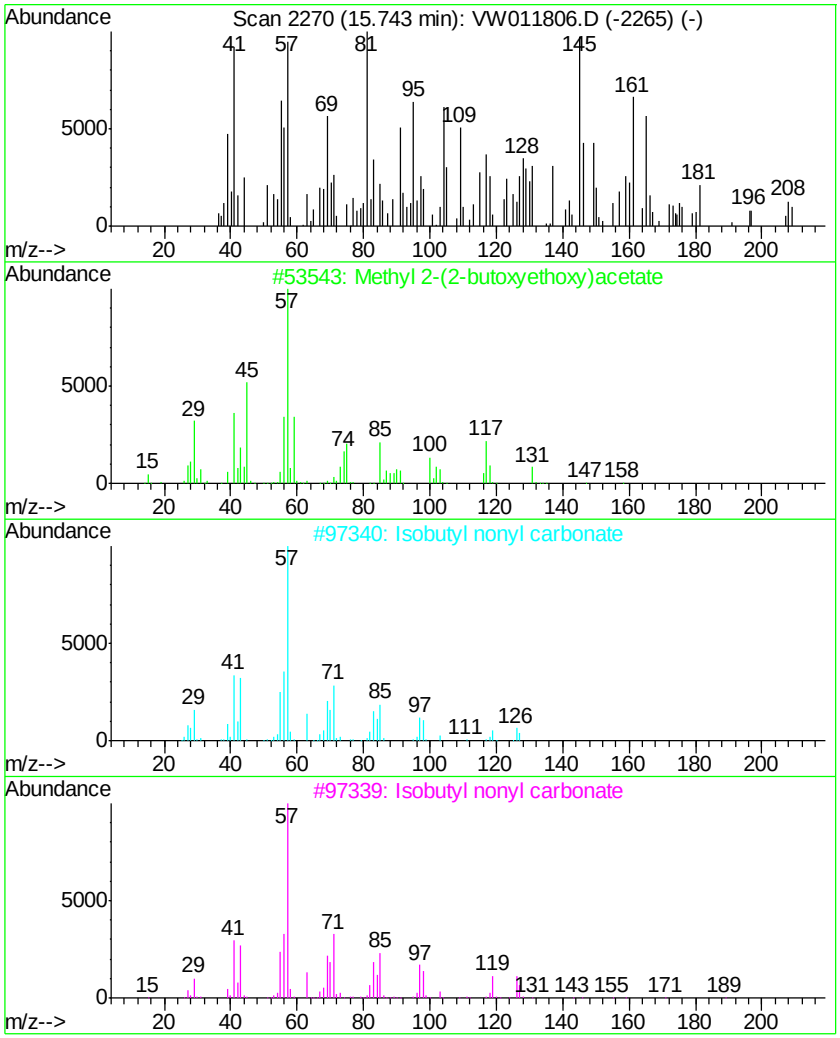
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

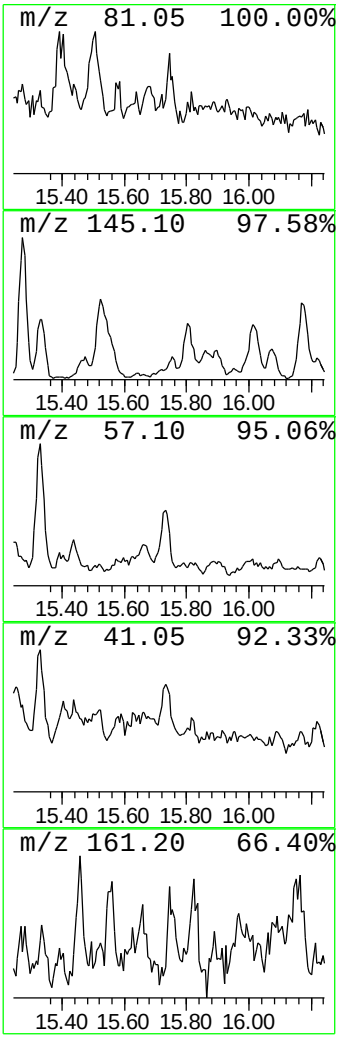
****

Peak Number 42 unknown-09 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	4.92 ug/L	39152	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 2-(2-butoxyethoxy)acetate	190	C9H18O4	1000366-88-3	35
2	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	35
3	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	30
4	3-Heptene	98	C7H14	000592-78-9	22
5	Oxacyclotetradecan-2-one, 13-met...	226	C14H26O2	057092-32-7	22





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

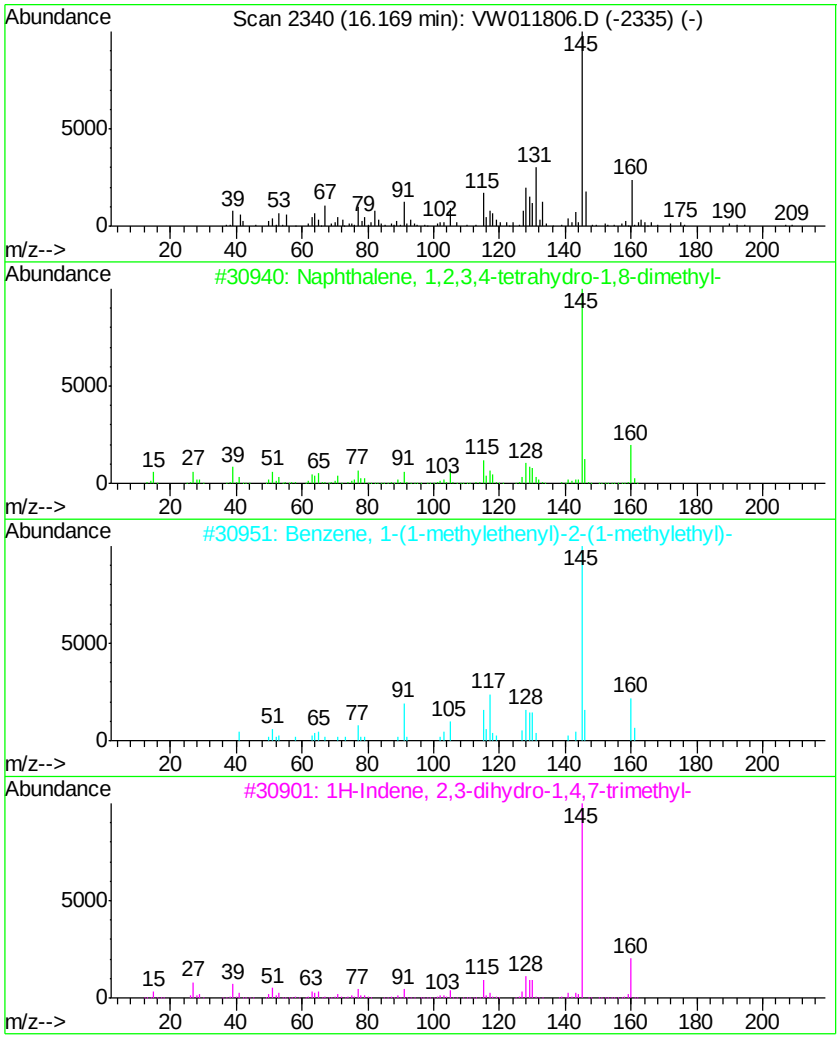
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

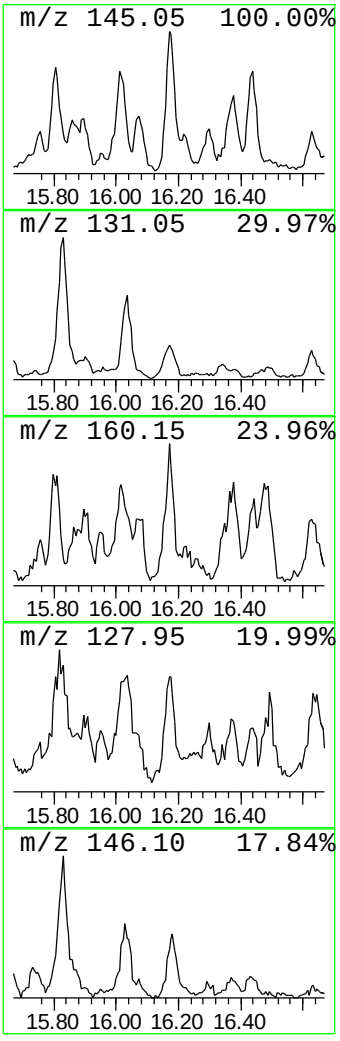
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	8.30 ug/L	66020	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	93
2	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	89
3	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	89
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	81
5	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

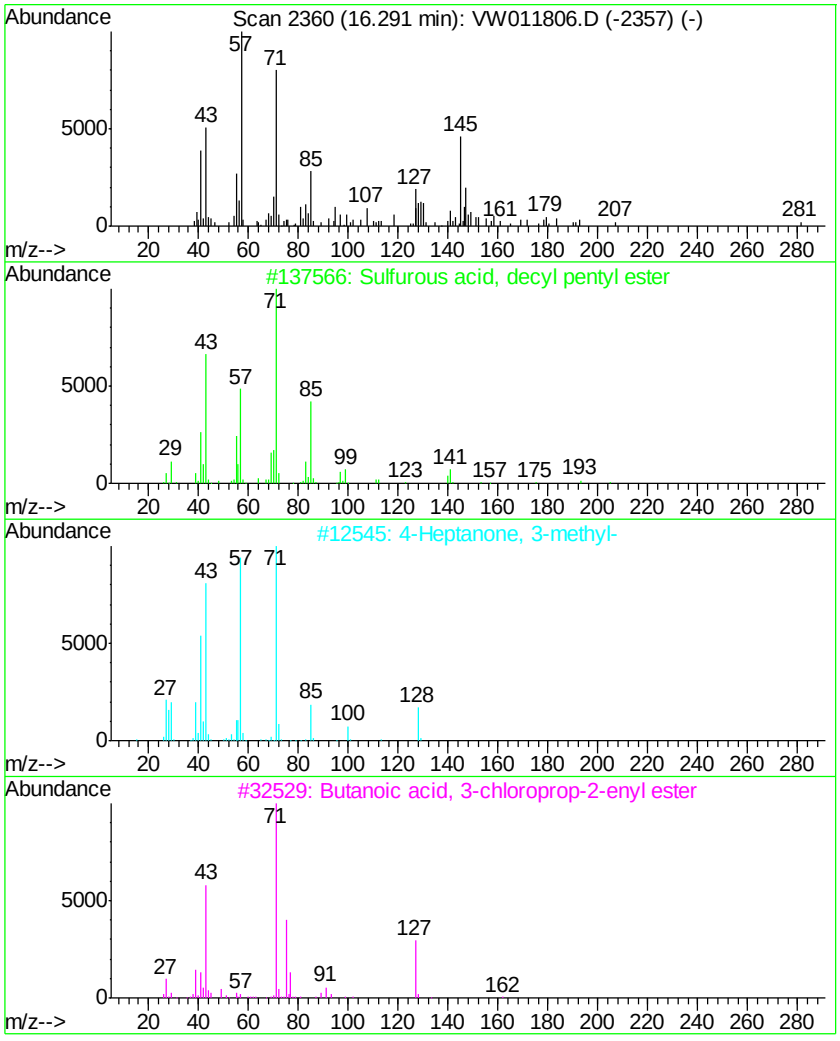
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

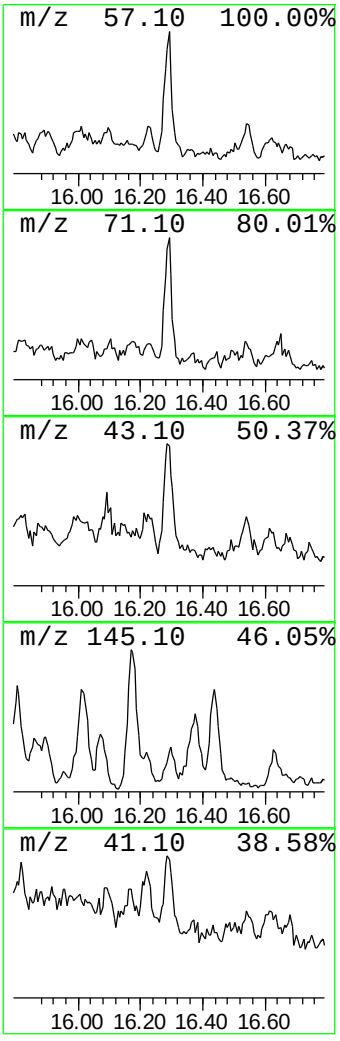
****

Peak Number 44 unknown-10 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	5.49 ug/L	43655	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, decyl pentyl ester	292	C15H32O3S	1000309-14-3	38
2	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	35
3	Butanoic acid, 3-chloroprop-2-en...	162	C7H11ClO2	1000299-12-7	35
4	1-Butoxy-2,4-dimethyl-2-pentene	170	C11H22O	1000159-08-8	35
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

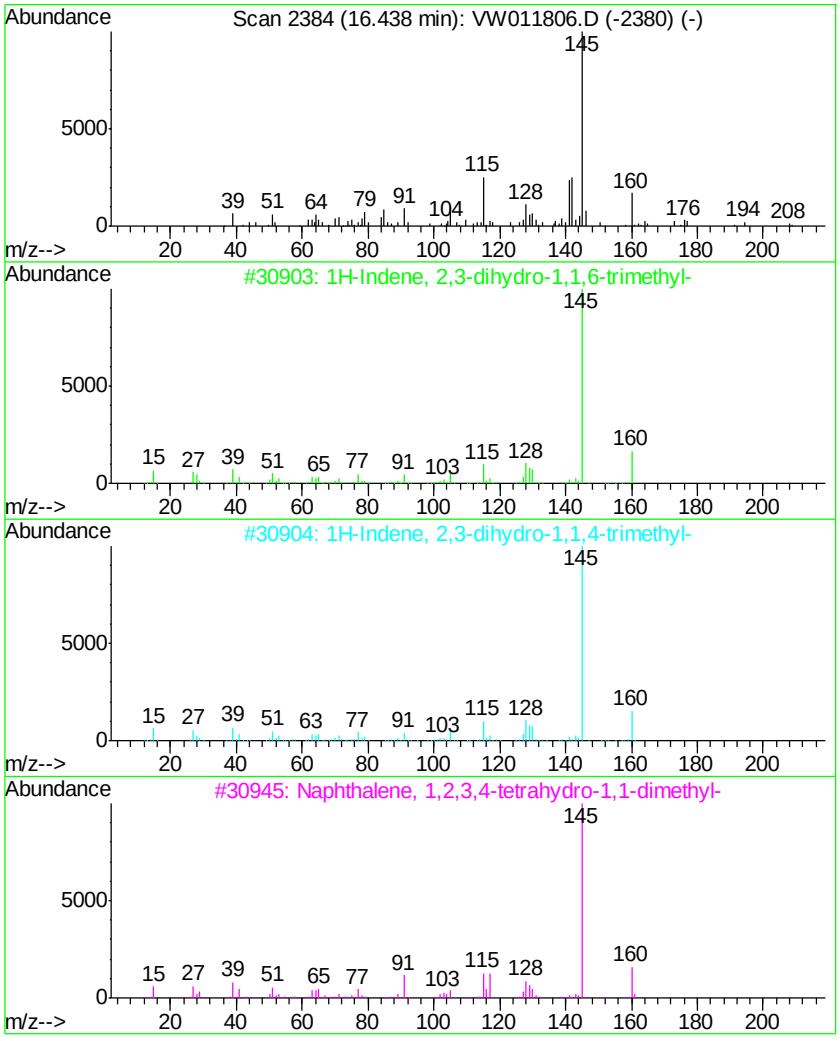
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

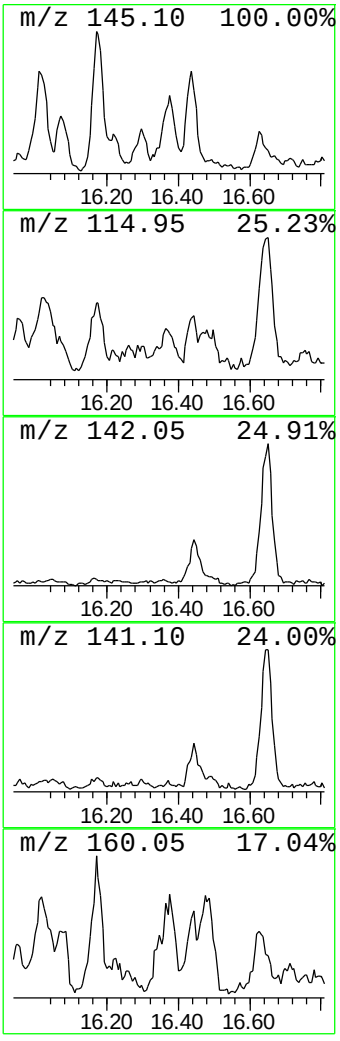
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.56 ug/L	20402	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	53
2	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	53
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	52
4	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	50
5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

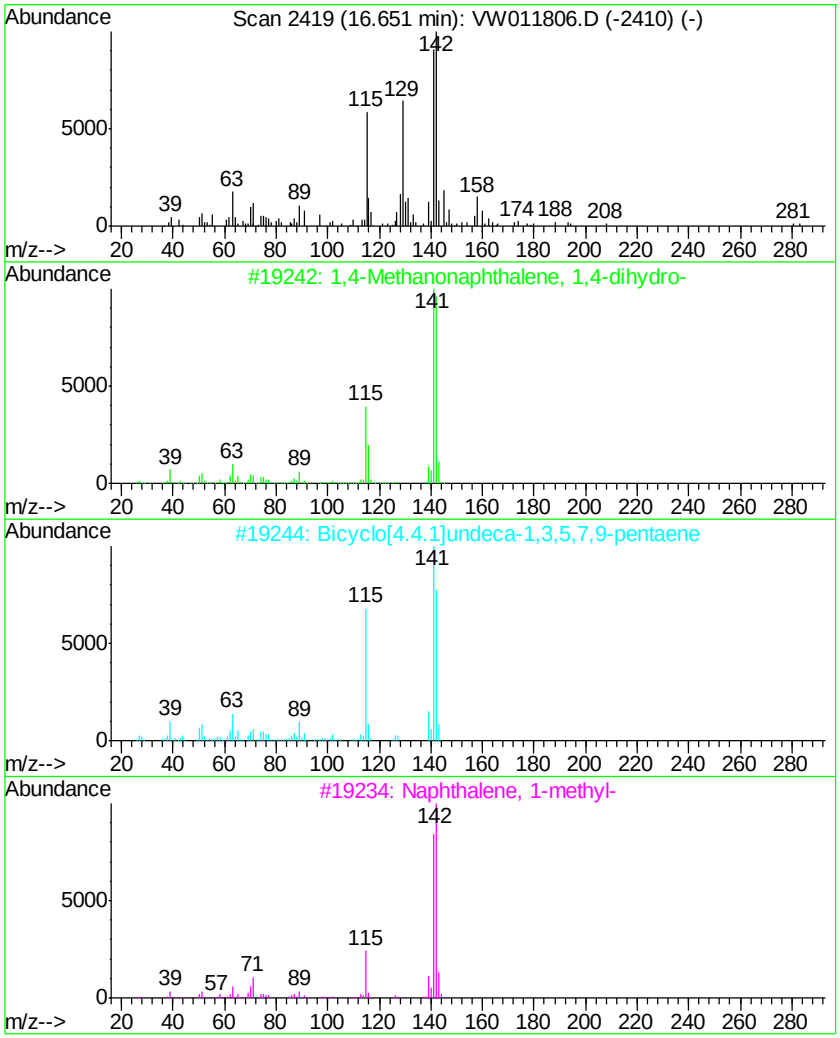
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

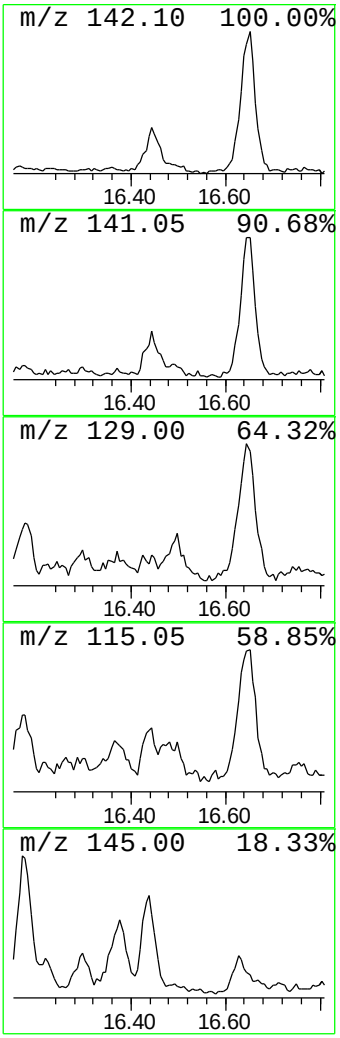
****

Peak Number 46 1,4-Methanonaphthalene, 1,4... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	16.80 ug/L	133696	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	55
2	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	50
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	50
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	50
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
Data File : VW011806.D
Acq On : 09 Aug 2019 12:11
Operator : SY/VA
Sample : K4215-10
Misc : 5.19G/10ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOC1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.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: Cyc...	1.96	7.9	ug/L	138762	1	8.84	438690	25.0
unknown-01	2.50	1.5	ug/L	26227	1	8.84	438690	25.0
(DEL) Alkane: Str...	3.03	1.4	ug/L	24989	1	8.84	438690	25.0
(DEL) Alkane: Str...	3.39	1.8	ug/L	31401	1	8.84	438690	25.0
(DEL) Alkane: Str...	5.44	1.5	ug/L	25429	1	8.84	438690	25.0
(DEL) Alkane: Str...	5.93	1.5	ug/L	25476	1	8.84	438690	25.0
(DEL) Alkane: Cyc...	8.04	1.5	ug/L	26579	1	8.84	438690	25.0
unknown-02	11.07	4.0	ug/L	58537	2	11.63	365784	25.0
(DEL) Alkane: Cyc...	12.14	1.7	ug/L	25008	2	11.63	365784	25.0
Cyclooctene, 3-me...	12.34	3.6	ug/L	52455	2	11.63	365784	25.0
(DEL) Alkane: Cyc...	12.78	5.0	ug/L	39885	3	13.56	198907	25.0
unknown-03	12.87	3.7	ug/L	29297	3	13.56	198907	25.0
unknown-04	12.93	6.3	ug/L	50034	3	13.56	198907	25.0
(DEL) Alkane: Cyc...	13.08	1.5	ug/L	11936	3	13.56	198907	25.0
(DEL) Alkane: Str...	13.16	5.1	ug/L	40666	3	13.56	198907	25.0
Benzene, 1-ethyl-...	13.26	2.8	ug/L	22616	3	13.56	198907	25.0
unknown-05	13.38	1.8	ug/L	14070	3	13.56	198907	25.0
unknown-06	13.44	4.6	ug/L	36945	3	13.56	198907	25.0
p-Cymene	13.49	5.4	ug/L	43253	3	13.56	198907	25.0
Benzene, 1-ethyl-...	14.02	2.8	ug/L	22528	3	13.56	198907	25.0
(DEL) Alkane: Str...	14.13	2.1	ug/L	16910	3	13.56	198907	25.0
3-Phenylbut-1-ene	14.21	8.0	ug/L	63762	3	13.56	198907	25.0
1H-Indene, 2,3-di...	14.35	8.7	ug/L	69485	3	13.56	198907	25.0
unknown-07	14.39	12.9	ug/L	102701	3	13.56	198907	25.0
5H-5-Methyl-6,7-d...	14.42	7.5	ug/L	59481	3	13.56	198907	25.0
Benzene, 1-ethyl-...	14.46	8.6	ug/L	68551	3	13.56	198907	25.0
Benzene, 1,4-diet...	14.50	4.7	ug/L	37326	3	13.56	198907	25.0
Naphthalene, deca...	14.55	12.8	ug/L	101472	3	13.56	198907	25.0
1H-Indene, 2,3-di...	14.69	3.7	ug/L	29543	3	13.56	198907	25.0
Benzene, 1,3-diet...	14.74	6.0	ug/L	47509	3	13.56	198907	25.0
o-Cymene	14.80	21.0	ug/L	167179	3	13.56	198907	25.0
(DEL) Alkane: Str...	14.84	15.8	ug/L	126018	3	13.56	198907	25.0
Benzene, 1-ethyl-...	15.07	28.4	ug/L	226154	3	13.56	198907	25.0
Benzene, 1-methyl...	15.18	42.4	ug/L	337083	3	13.56	198907	25.0
1H-Indene, 2,3-di...	15.27	9.8	ug/L	78247	3	13.56	198907	25.0
unknown-08	15.33	12.2	ug/L	96896	3	13.56	198907	25.0
1H-Indene, 2,3-di...	15.52	11.2	ug/L	89301	3	13.56	198907	25.0
Benzene, 1,2-diet...	15.67	11.1	ug/L	87958	3	13.56	198907	25.0
unknown-09	15.74	4.9	ug/L	39152	3	13.56	198907	25.0
Naphthalene, 1,2,...	16.17	8.3	ug/L	66020	3	13.56	198907	25.0
unknown-10	16.29	5.5	ug/L	43655	3	13.56	198907	25.0
1H-Indene, 2,3-di...	16.44	2.6	ug/L	20402	3	13.56	198907	25.0
1,4-Methanonaphth...	16.65	16.8	ug/L	133696	3	13.56	198907	25.0