LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

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\SOM2WLM082420S.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	38	41	47	rVB7	1211	2489	0.04%	0.013%
2	2.203	47	49	50	rBV	499	378	0.01%	0.002%
3	2.221	50	52	54	rVB2	557	365	0.01%	0.002%
4	2.355	61	74	86	rBV2	52722	115116	1.99%	0.615%
5	2.574	107	110	111	rBV2	711	547	0.01%	0.003%
6	2.605	113	115	119	rVB2	726	708	0.01%	0.004%
7	2.672	124	126	129	rBV3	417	482	0.01%	0.003%
8	2.702	129	131	133	rVB	466	379	0.01%	0.002%
9	2.727	133	135	144	rVB4	618	1296	0.02%	0.007%
10	2.800	144	147	149	rBV2	568	692	0.01%	0.004%
11	2.824	149	151	153	rVB2	480	430	0.01%	0.002%
12	2.891	153	162	173	rBV2	33414	84428	1.46%	0.451%
13	3.019	181	183	187	rVB4	544	640	0.01%	0.003%
14	3.050	187	188	192	rVB2	535	634	0.01%	0.003%
15	3.087	192	194	196	rBV	390	301	0.01%	0.002%
16	3.300	225	229	234	rVB3	670	1089	0.02%	0.006%
17	3.391	239	244	251	rVV4	819	2061	0.04%	0.011%
18	3.678	287	291	294	rBV3	552	892	0.02%	0.005%
19	3.702	294	295	301	rVB2	410	357	0.01%	0.002%
20	3.806	309	312	313	rBV	303	306	0.01%	0.002%
21	3.891	320	326	328	rBV2	210	355	0.01%	0.002%
22	4.019	335	347	362	rBV	102431	306556	5.30%	1.639%
23	4.129	363	365	367	rBV3	712	769	0.01%	0.004%
24	4.202	373	377	385	rVB4	1167	2679	0.05%	0.014%
25	4.385	402	407	411	rVV2	449	795	0.01%	0.004%
26	4.501	423	426	431	rVB2	318	566	0.01%	0.003%
27	4.812	475	477	483	rBV2	229	560	0.01%	0.003%
28	4.915	483	494	510	rBV2	19639	66837	1.16%	0.357%
29	5.428	569	578	588	rVB4	3683	10134	0.18%	0.054%
30	5.781	633	636	637	rVV2	427	519	0.01%	0.003%
31	5.940	651	662	673	rBV3	6467	18922	0.33%	0.101%
32	6.117	689	691	695	rBV2	252	481	0.01%	0.003%
33	6.903	815	820	821	rBV2	972	1626	0.03%	0.009%
34	6.970	829	831	834	rBV	416	421	0.01%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

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\SOM2WLM082420S.M
Title : VOC Analysis

35	7.086	841	850	854	rBV2	17185	45003	0.78%	0.241%
36	7.171	854	864	880	rVB	777454	2054395	35.52%	10.981%
37	7.543	922	925	926	rVV	321	388	0.01%	0.002%
38	7.555	926	927	931	rVV2	484	343	0.01%	0.002%
39	7.653	931	943	957	rVV	159826	389331	6.73%	2.081%
40	7.952	990	992	993	rBV	711	371	0.01%	0.002%
41	8.159	1021	1026	1029	rBV3	640	1143	0.02%	0.006%
42	8.275	1032	1045	1063	rBV2	294159	866902	14.99%	4.634%
43	8.427	1069	1070	1076	rVB3	747	648	0.01%	0.003%
44	8.543	1083	1089	1092	rBV2	235	488	0.01%	0.003%
45	8.573	1092	1094	1098	rVB	246	300	0.01%	0.002%
46	8.628	1100	1103	1106	rVB2	534	661	0.01%	0.004%
47	8.701	1113	1115	1117	rVB2	1019	767	0.01%	0.004%
48	8.726	1117	1119	1123	rVB2	315	321	0.01%	0.002%
49	8.848	1127	1139	1149	rBV	364694	729373	12.61%	3.899%
50	8.957	1154	1157	1160	rBV2	351	556	0.01%	0.003%
51	9.092	1168	1179	1190	rBV	147318	301385	5.21%	1.611%
52	9.274	1197	1209	1219	rBV	191902	402524	6.96%	2.152%
53	9.726	1281	1283	1284	rBV	464	324	0.01%	0.002%
54	9.762	1285	1289	1290	rVV4	1007	1029	0.02%	0.006%
55	9.787	1291	1293	1298	rVV4	565	927	0.02%	0.005%
56	9.963	1318	1322	1324	rBV5	1084	1792	0.03%	0.010%
57	10.037	1327	1334	1341	rVV	106105	191740	3.32%	1.025%
58	10.183	1356	1358	1360	rBV2	366	339	0.01%	0.002%
59	10.329	1374	1382	1395	rBV	435681	795307	13.75%	4.251%
60	10.579	1417	1423	1433	rBV	68253	116366	2.01%	0.622%
61	10.664	1435	1437	1441	rVB5	2126	1908	0.03%	0.010%
62	10.701	1441	1443	1448	rVB5	3936	5917	0.10%	0.032%
63	10.762	1448	1453	1455	rBV6	2407	4006	0.07%	0.021%
64	10.866	1462	1470	1477	rBV	3337690	5783872	100.00%	30.915%
65	10.927	1477	1480	1495	rVB	79454	133983	2.32%	0.716%
66	11.067	1499	1503	1508	rBV6	5478	8301	0.14%	0.044%
67	11.177	1518	1521	1525	rVB3	5169	6959	0.12%	0.037%
68	11.518	1572	1577	1581	rBV3	5682	9989	0.17%	0.053%
69	11.634	1589	1596	1604	rBV	512590	848399	14.67%	4.535%
70	11.841	1628	1630	1631	rBV2	4693	4229	0.07%	0.023%
71	11.878	1632	1636	1639	rVV	19071	31860	0.55%	0.170%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

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\SOM2WLM082420S.M
Title : VOC Analysis

72	11.914	1640	1642	1648	rVB	13496	20460	0.35%	0.109%
73	12.054	1659	1665	1670	rVB7	5917	14941	0.26%	0.080%
74	12.140	1672	1679	1685	rBV5	29433	79248	1.37%	0.424%
75	12.256	1695	1698	1701	rVB2	14649	19000	0.33%	0.102%
76	12.304	1701	1706	1708	rBV	22341	36130	0.62%	0.193%
77	12.390	1716	1720	1724	rVB	45321	65088	1.13%	0.348%
78	12.621	1753	1758	1760	rBV4	23185	40812	0.71%	0.218%
79	12.695	1765	1770	1777	rVV	175167	331442	5.73%	1.772%
80	12.786	1781	1785	1792	rVB3	73716	139066	2.40%	0.743%
81	12.865	1792	1798	1800	rBV3	39464	75973	1.31%	0.406%
82	12.945	1806	1811	1816	rVB4	108142	200946	3.47%	1.074%
83	12.993	1816	1819	1826	rVB4	33889	48184	0.83%	0.258%
84	13.170	1844	1848	1856	rVB5	78148	160812	2.78%	0.860%
85	13.249	1856	1861	1867	rBV	307723	485291	8.39%	2.594%
86	13.560	1906	1912	1920	rVB	532612	901950	15.59%	4.821%
87	13.798	1947	1951	1955	rBV2	95027	151184	2.61%	0.808%
88	13.853	1956	1960	1970	rVB2	380411	928407	16.05%	4.962%
89	14.011	1982	1986	1988	rBV	74904	106541	1.84%	0.569%
90	14.042	1988	1991	1995	rVV	101223	158445	2.74%	0.847%
91	14.097	1996	2000	2006	rVB	186138	274093	4.74%	1.465%
92	14.207	2013	2018	2023	rVB3	125488	219061	3.79%	1.171%
93	14.274	2023	2029	2034	rBV5	71782	167641	2.90%	0.896%
94	14.389	2044	2048	2050	rBV2	58995	90978	1.57%	0.486%
95	14.420	2050	2053	2056	rVV2	97538	130170	2.25%	0.696%
96	14.456	2056	2059	2063	rVB	65600	83325	1.44%	0.445%
97	14.499	2063	2066	2071	rBV2	63877	105659	1.83%	0.565%
98	14.792	2109	2114	2121	rBV4	67640	165845	2.87%	0.886%
99	14.859	2122	2125	2130	rVV4	22786	37544	0.65%	0.201%
100	14.956	2137	2141	2146	rBV	69572	103727	1.79%	0.554%

Sum of corrected areas: 18708919

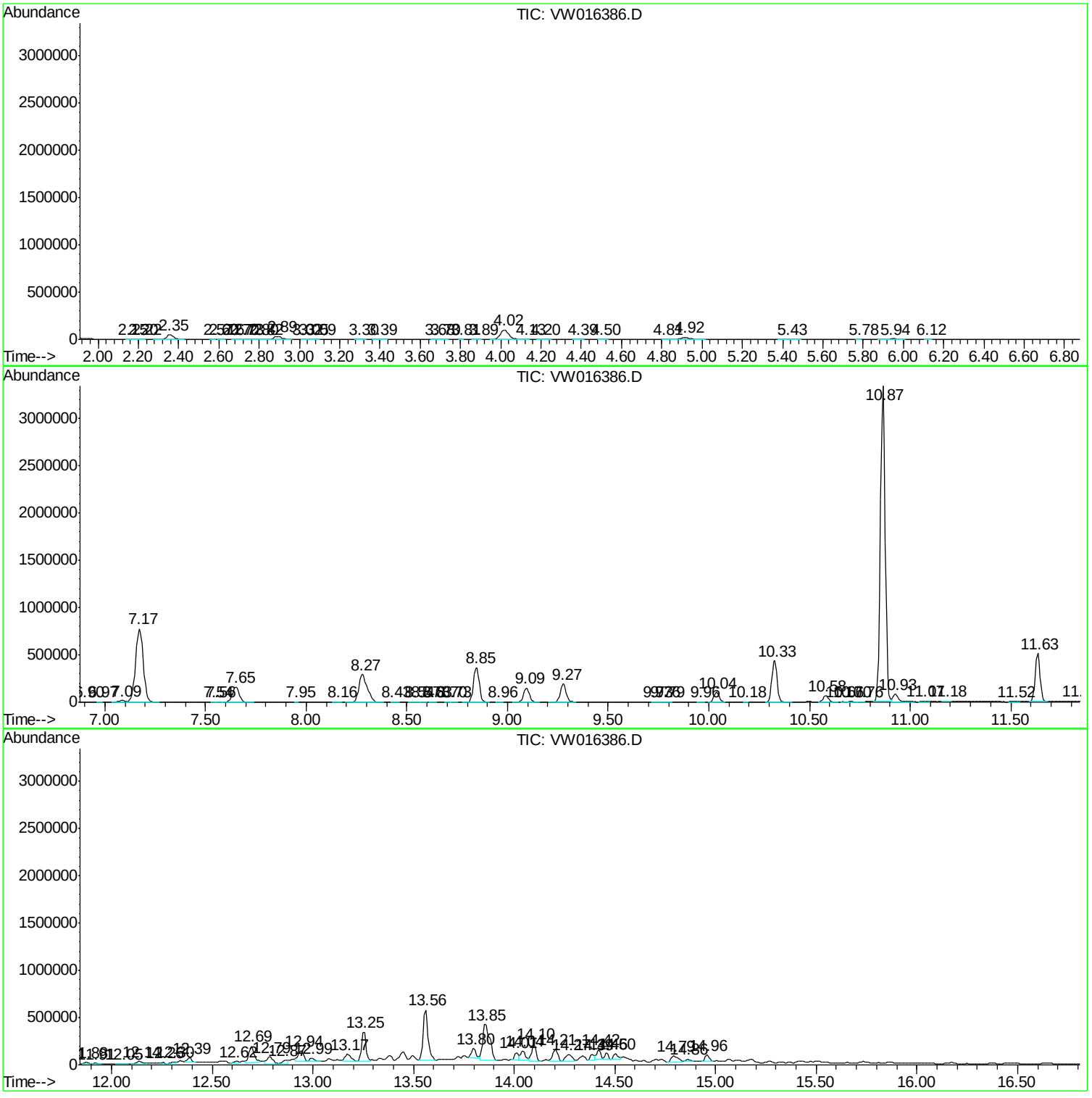
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.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\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

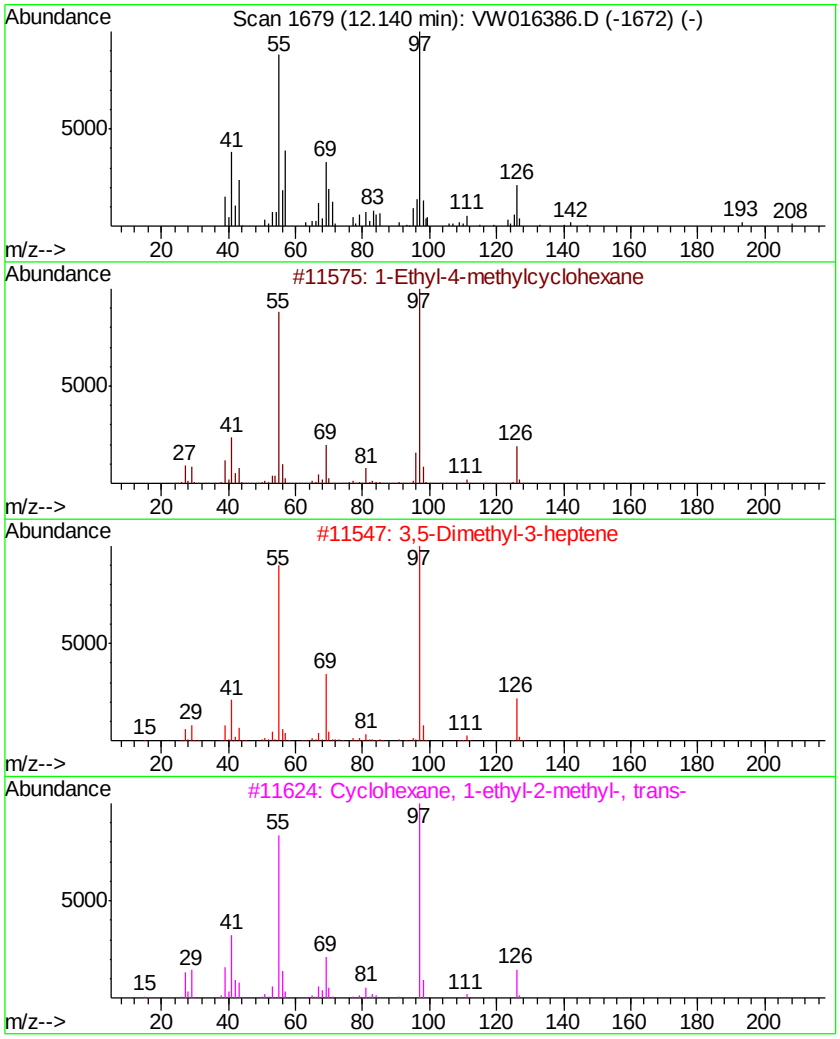
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

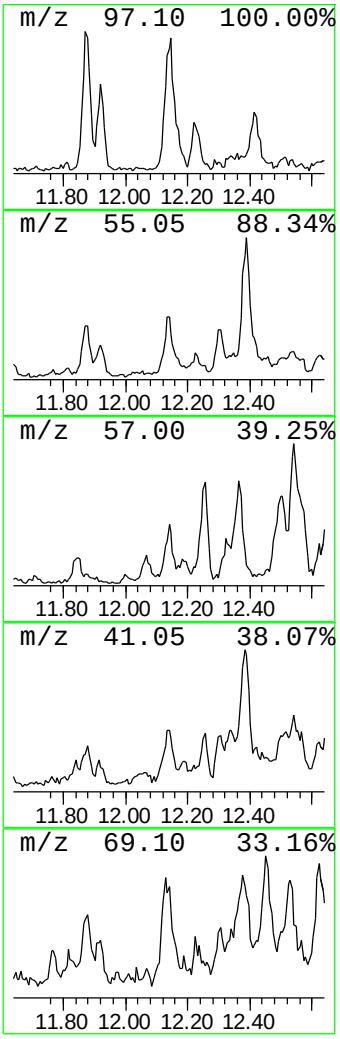
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	2.34 ug/L	79248	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	62
4	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	62
5	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

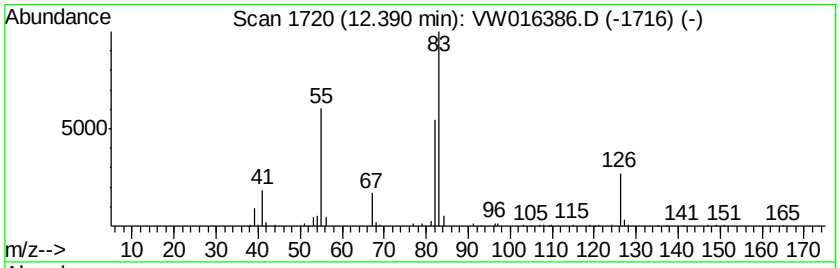
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

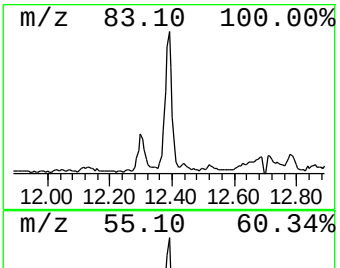
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

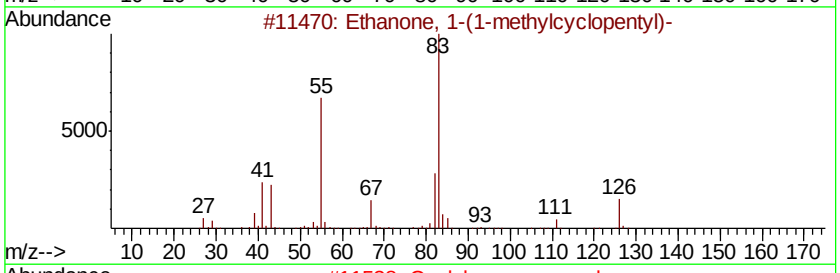
****
Peak Number 3 Ethanone, 1-(1-methylcyclop... Concentration Rank 20

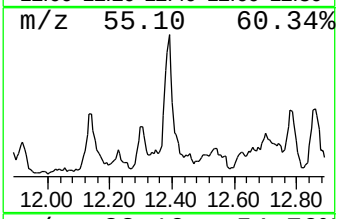
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	1.92 ug/L	65088	Chlorobenzene-d5	11.63

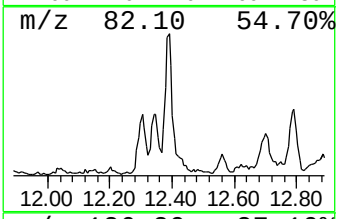
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	64
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	56
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	50
4	trans-7-Oxabicyclo[4.3.0]nonane	126	C8H14O	027345-70-6	50
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	50

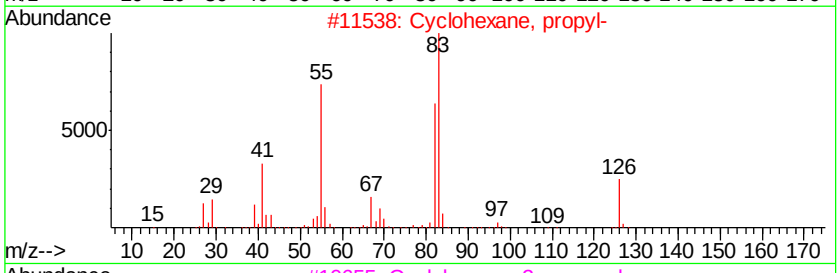


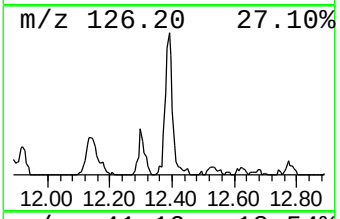


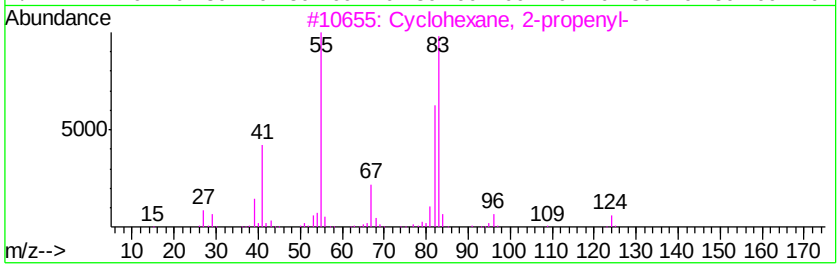


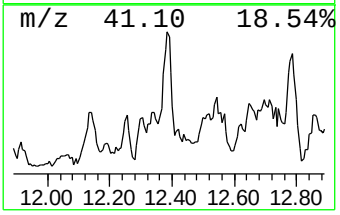












Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
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Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

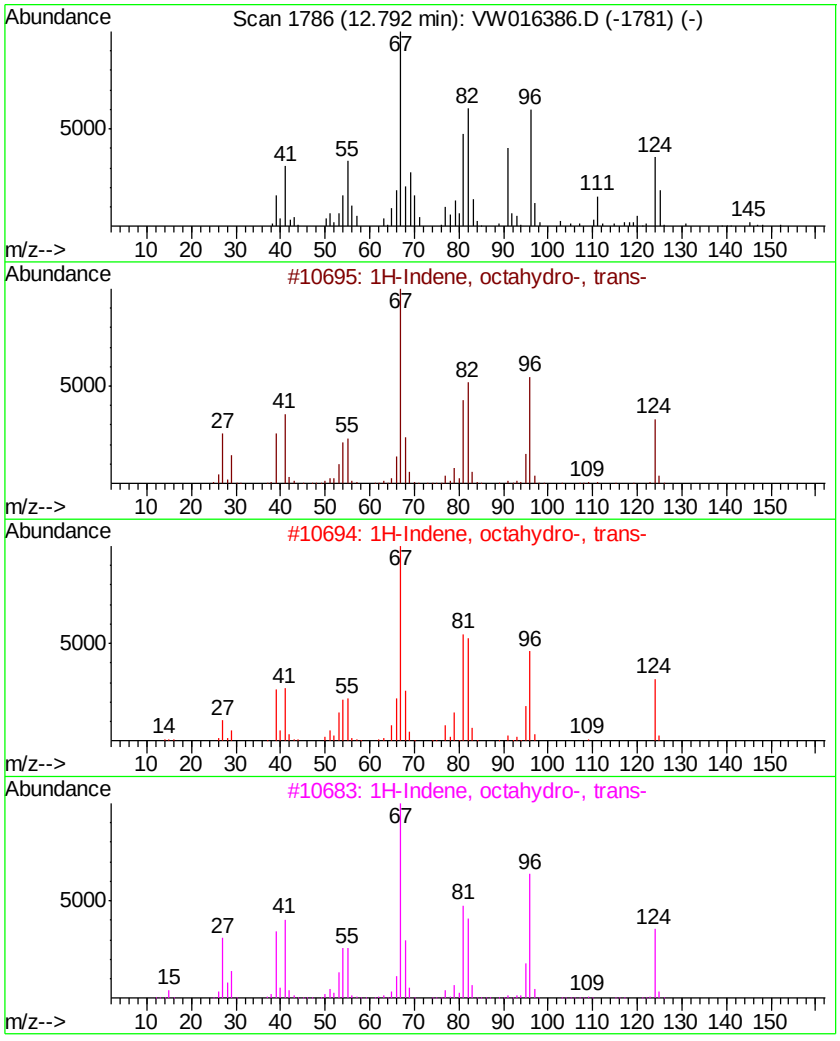
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

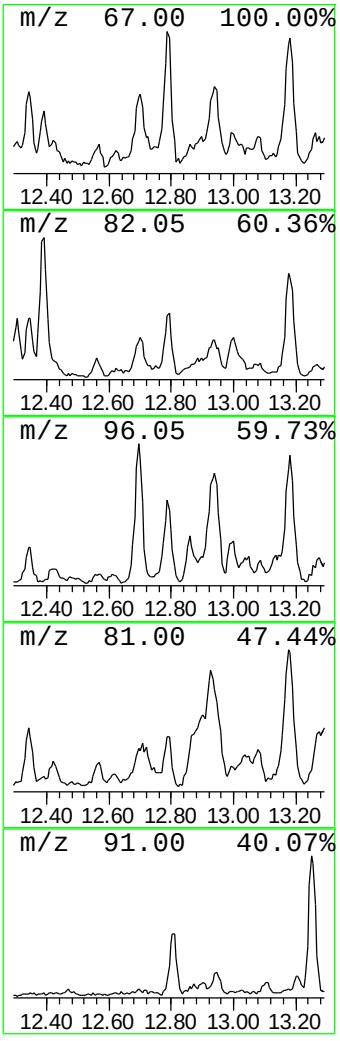
****

Peak Number 4 1H-Indene, octahydro-, trans- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	3.85 ug/L	139066	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	81
2	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	64
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62
4	Ethylidenecycloheptane	124	C9H16	010494-87-8	49
5	3-Cyclopentyl-1-propanol	128	C8H16O	000767-05-5	43





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Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

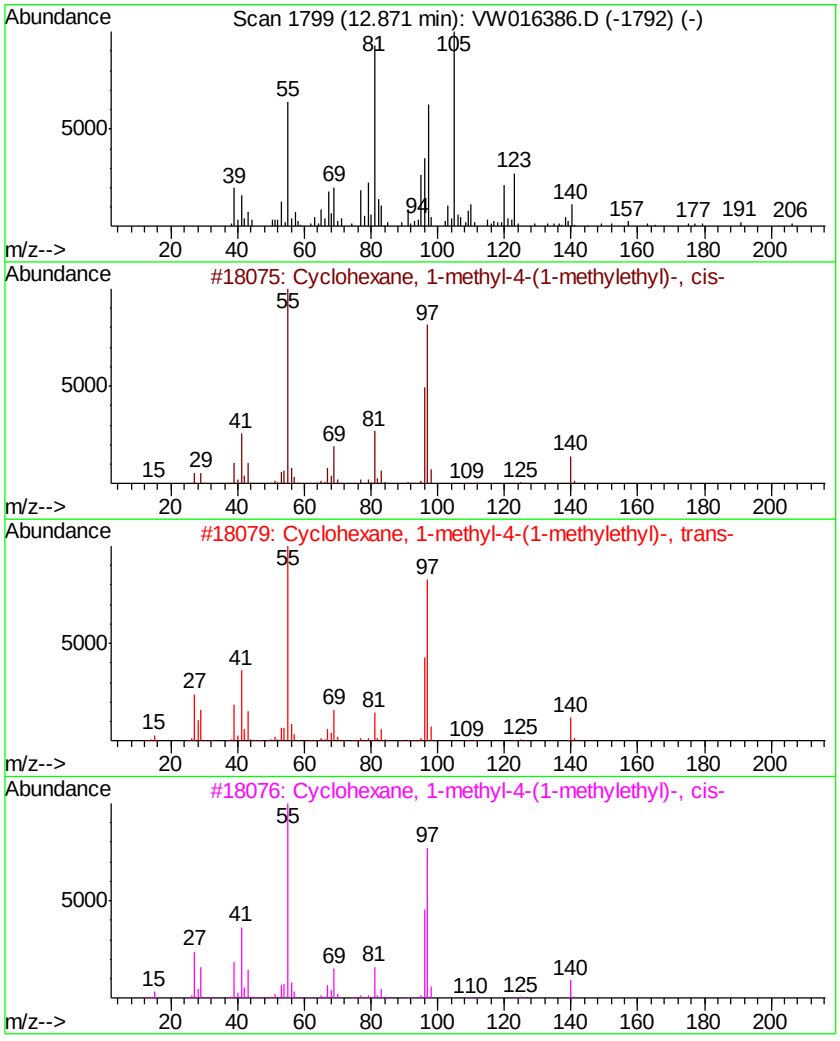
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

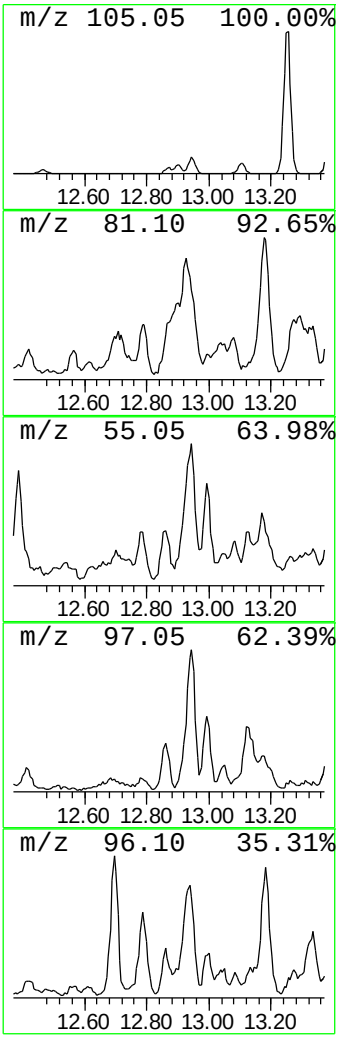
****

Peak Number 5 (DEL) Alkane: Cyclic12.87 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	2.11 ug/L	75973	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	41
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	41
4	1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	38
5	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	38





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

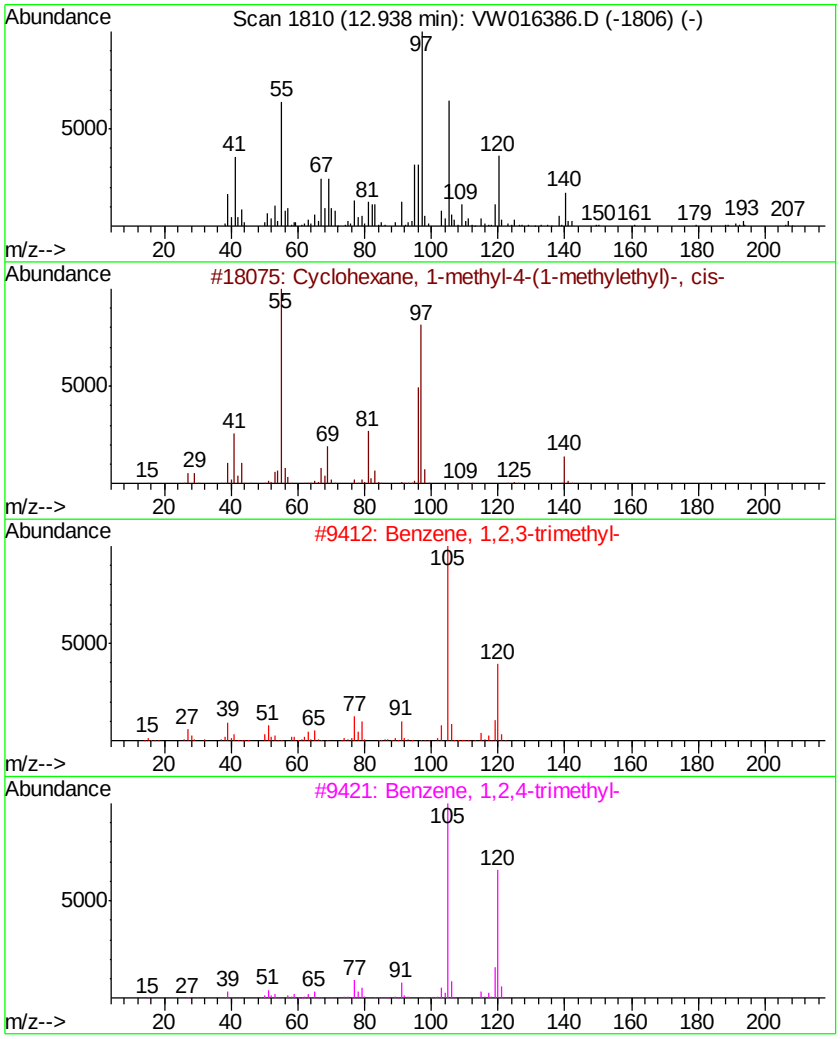
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

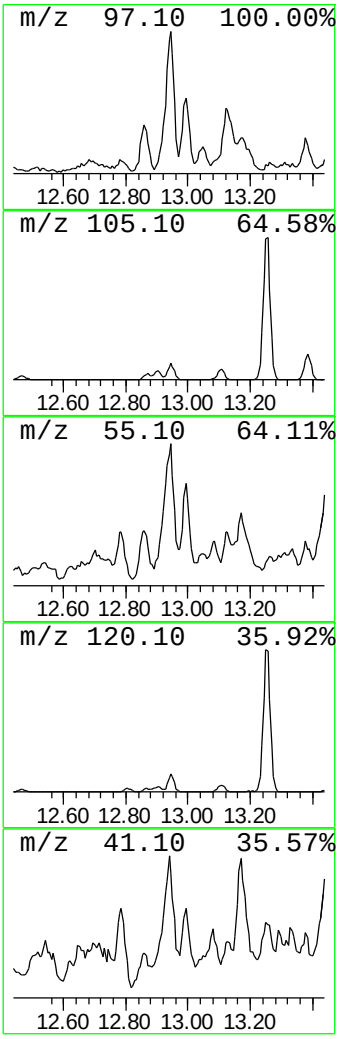
****

Peak Number 6 (DEL) Alkane: Cyclic12.94 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	5.57 ug/L	200946	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	35
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	35
4	2-Hexenoic acid, 4-methylphenyl ...	204	C13H16O2	069687-91-8	35
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	35





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Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

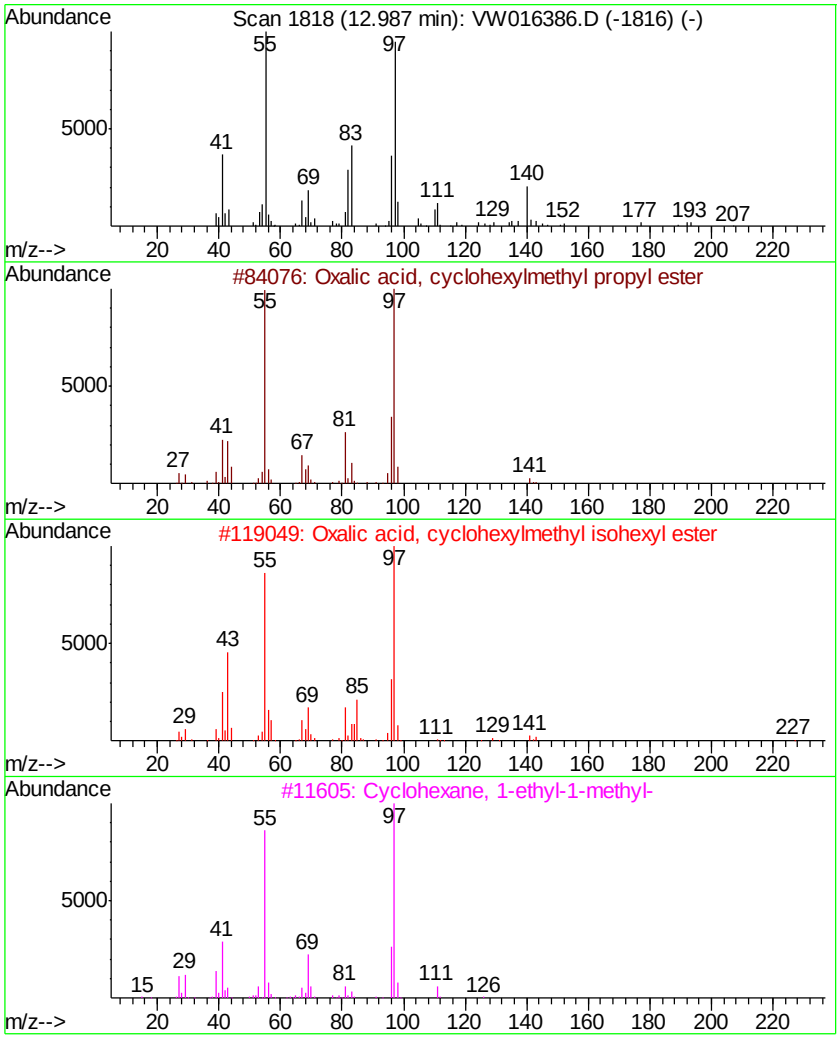
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

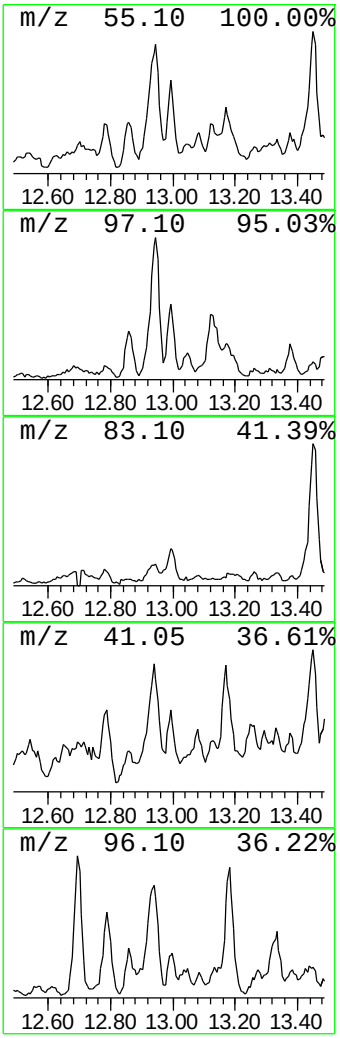
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Oxalic acid, cyclohexylmeth... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	1.34 ug/L	48184	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1000309-68-1	53
2	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	47
3	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	47
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	43





Library Search Compound Report

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Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

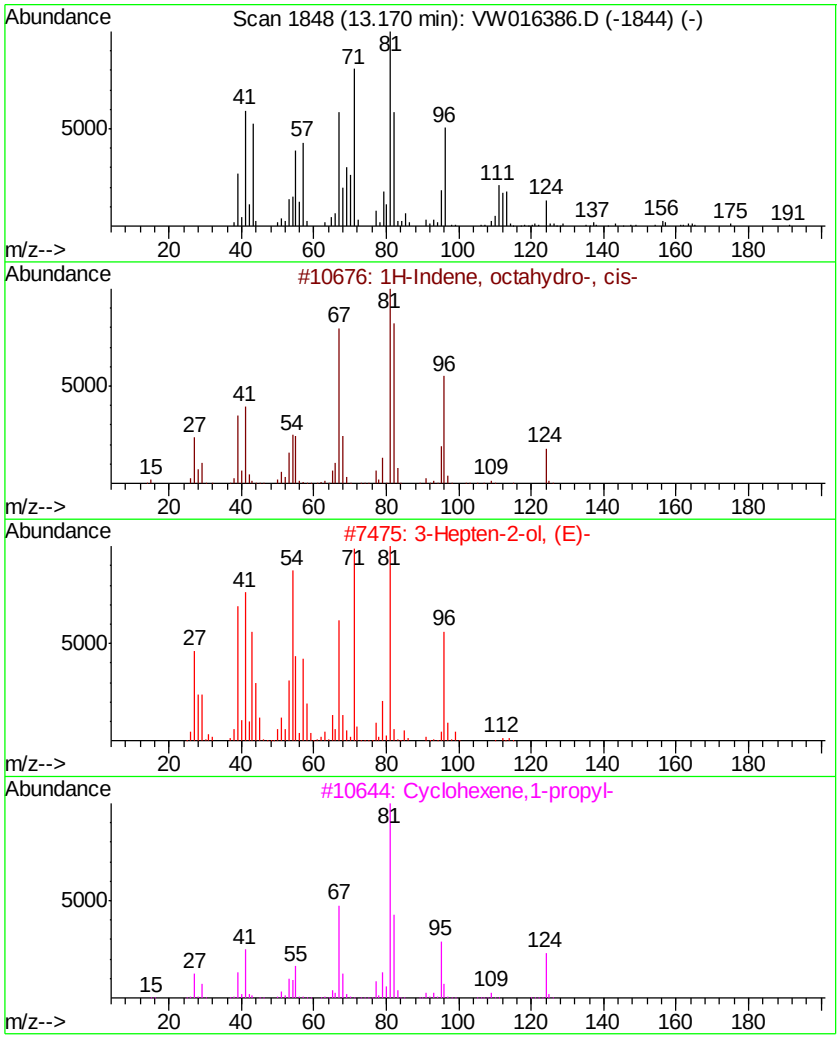
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

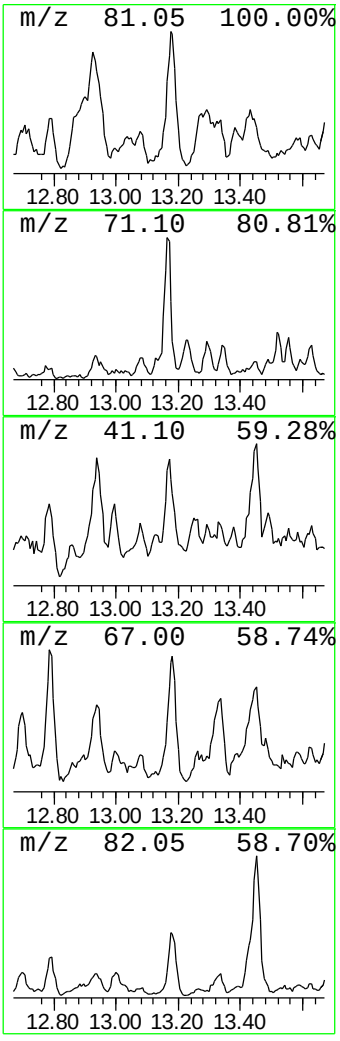
****

Peak Number 8 1H-Indene, octahydro-, cis- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	4.46 ug/L	160812	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	64
2	3-Hepten-2-ol, (E)-	114	C7H14O	067077-39-8	58
3	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	43
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43
5	1-Hexadecyne	222	C16H30	000629-74-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

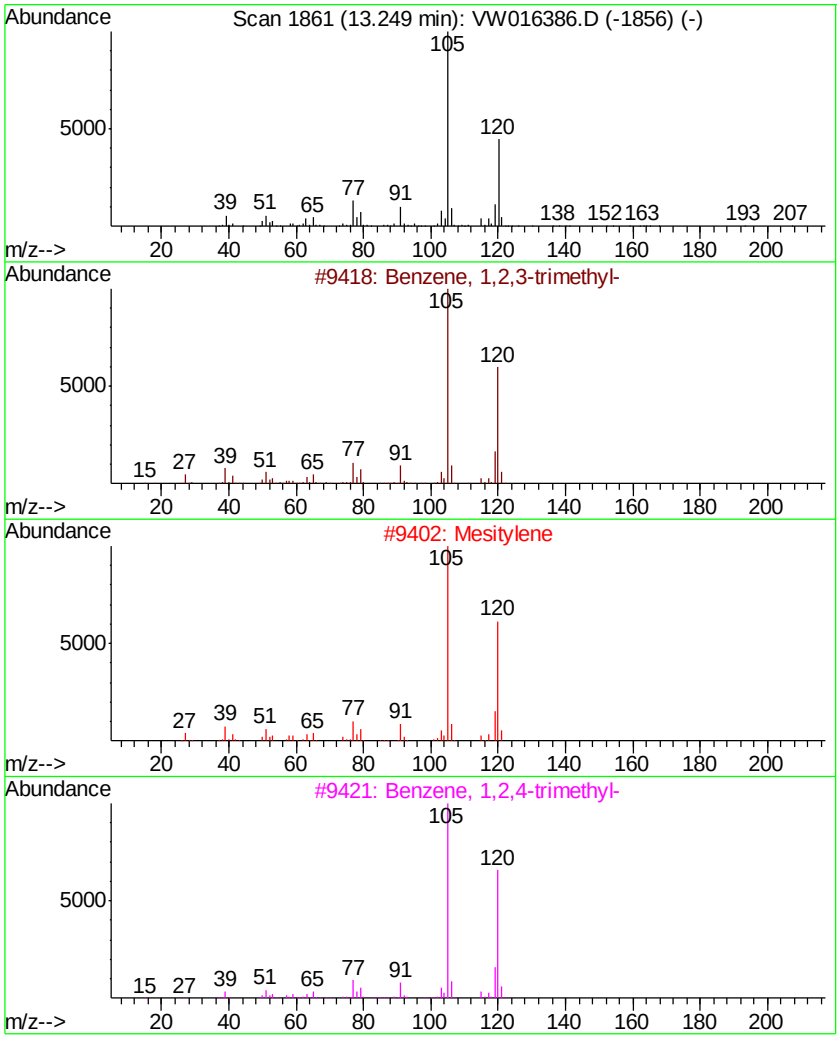
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

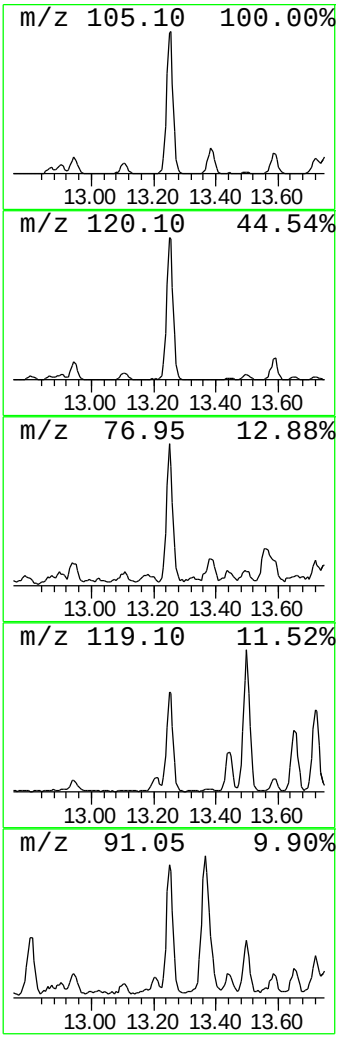
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	13.45 ug/L	485291	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

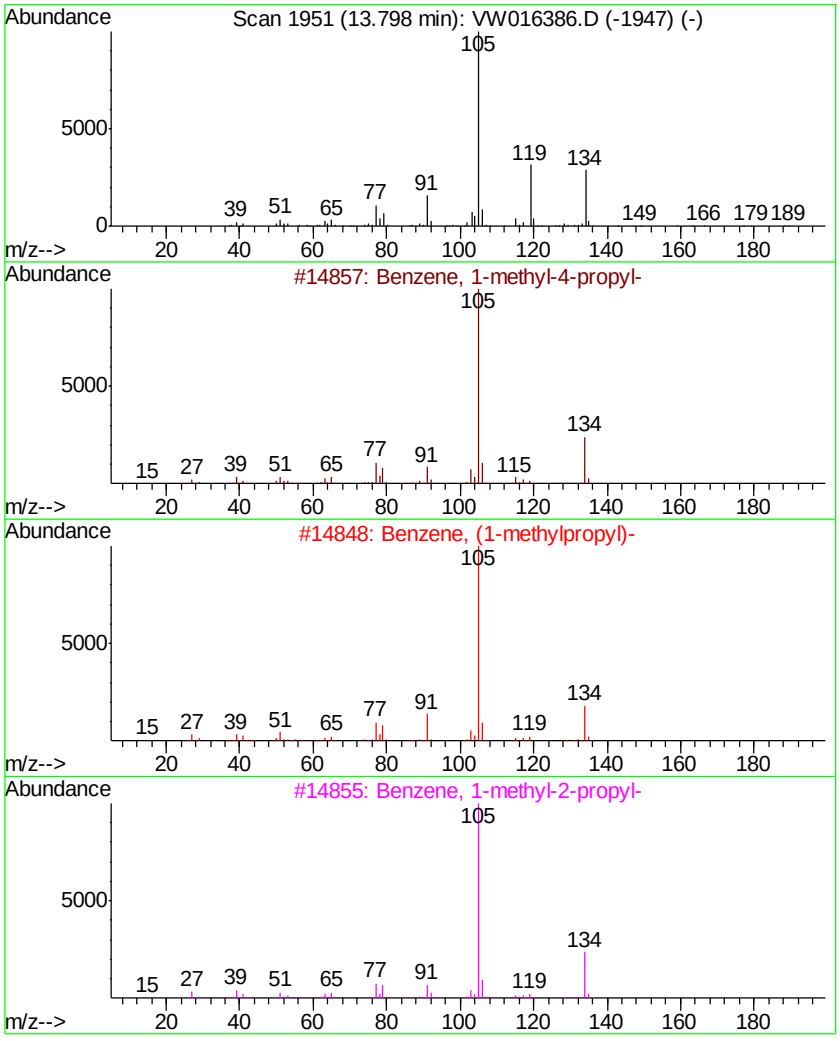
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

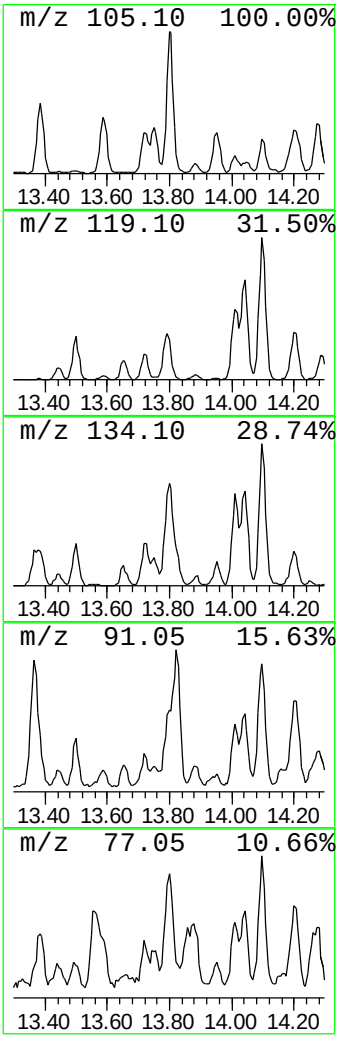
****

Peak Number 10 Benzene, 1-methyl-4-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	4.19 ug/L	151184	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	70
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	68
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	62
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	59
5	2-Tolyloxirane	134	C9H10O	002783-26-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

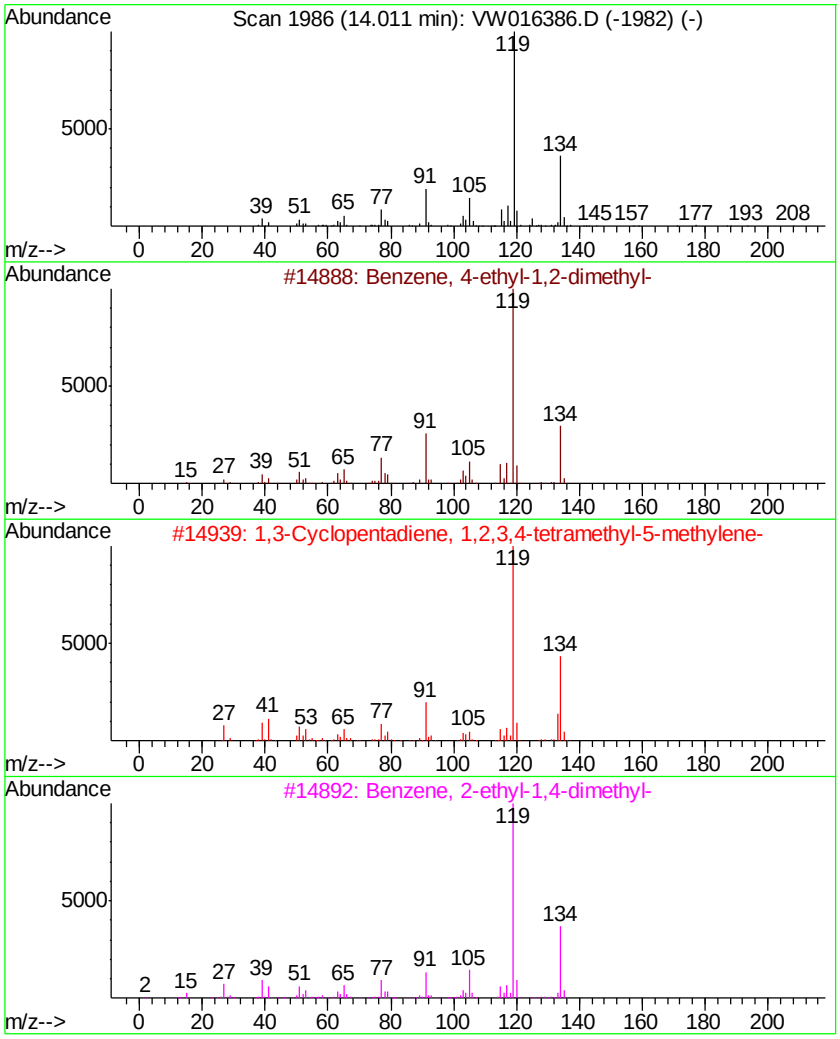
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

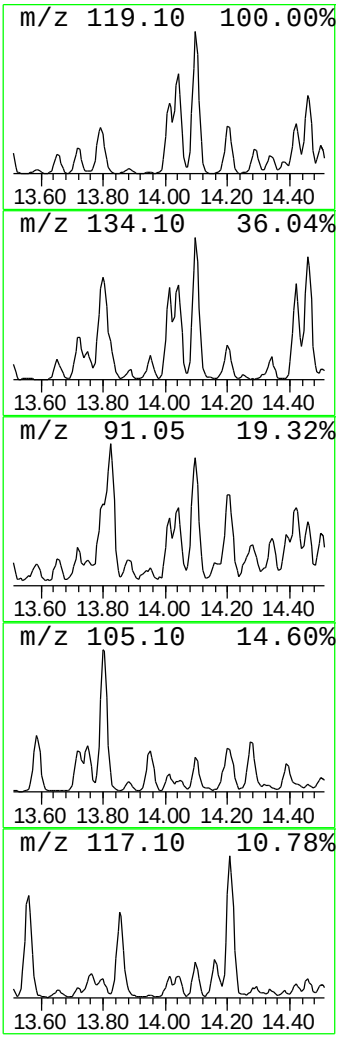
****

Peak Number 11 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.95 ug/L	106541	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	o-Cymene	134	C10H14	000527-84-4	91





Library Search Compound Report

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Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

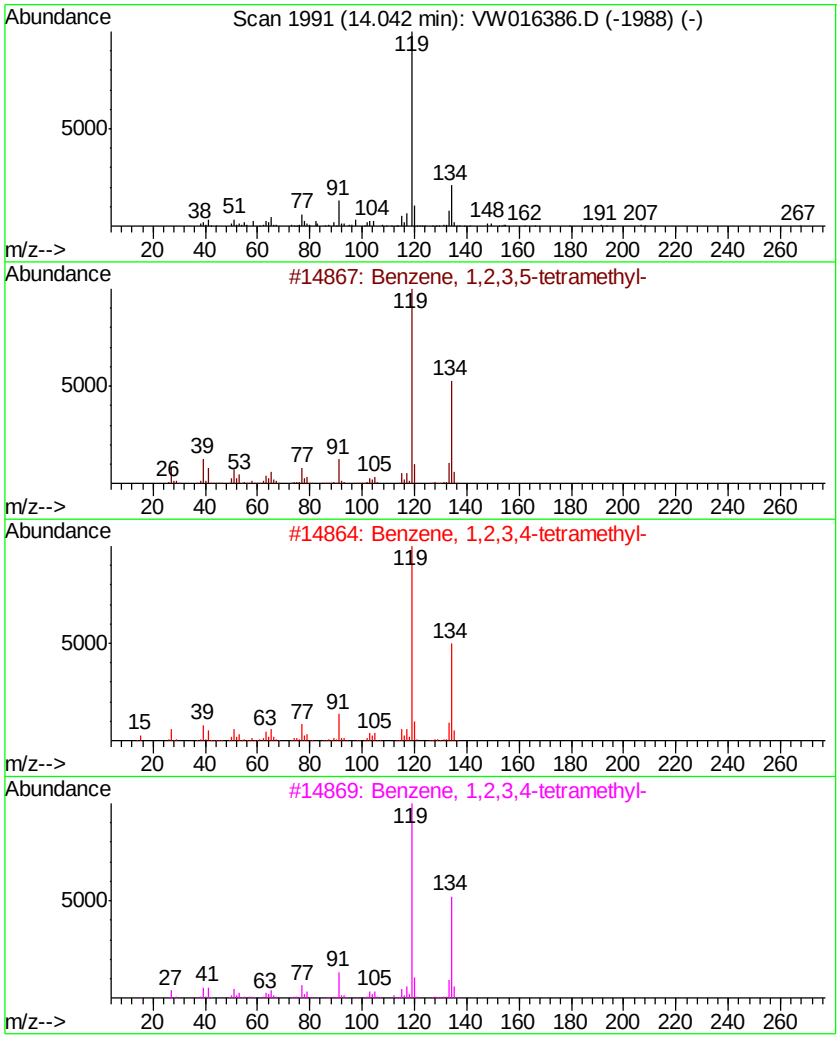
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

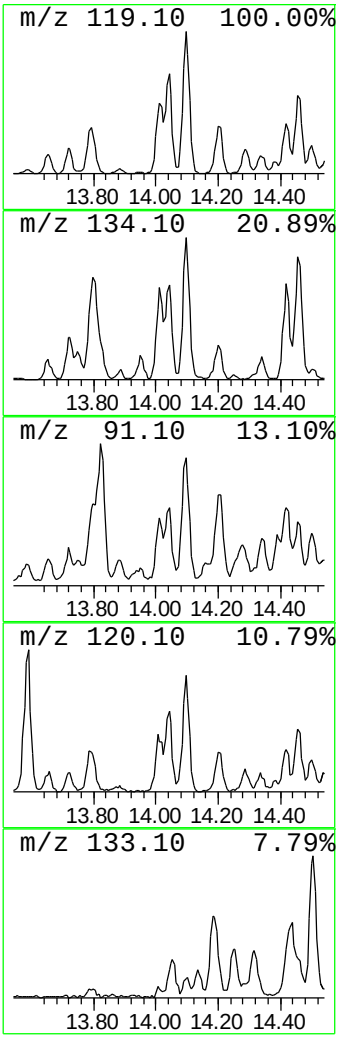
****

Peak Number 12 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	4.39 ug/L	158445	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Library Search Compound Report

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Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

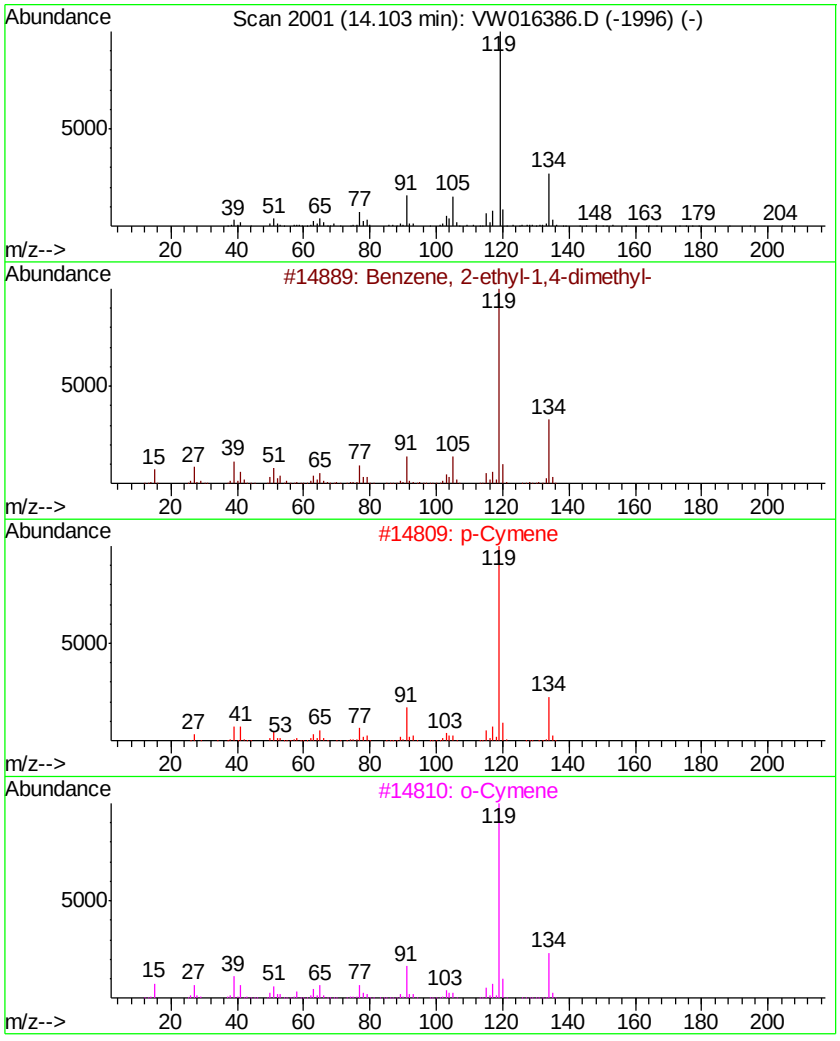
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

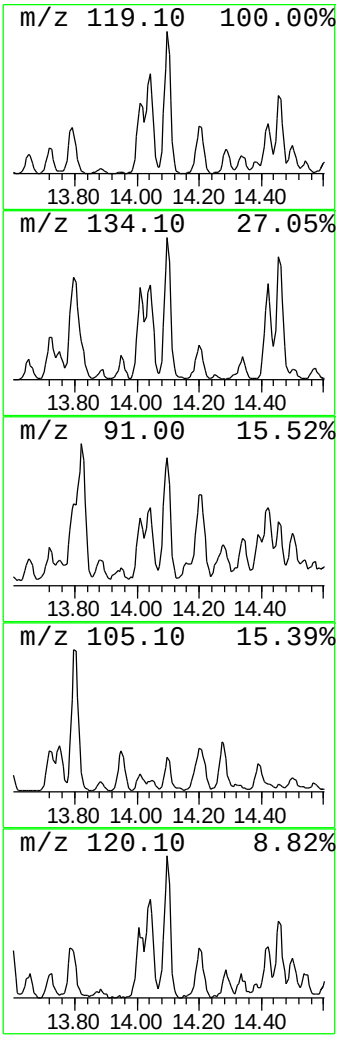
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	7.60 ug/L	274093	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Library Search Compound Report

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Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

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

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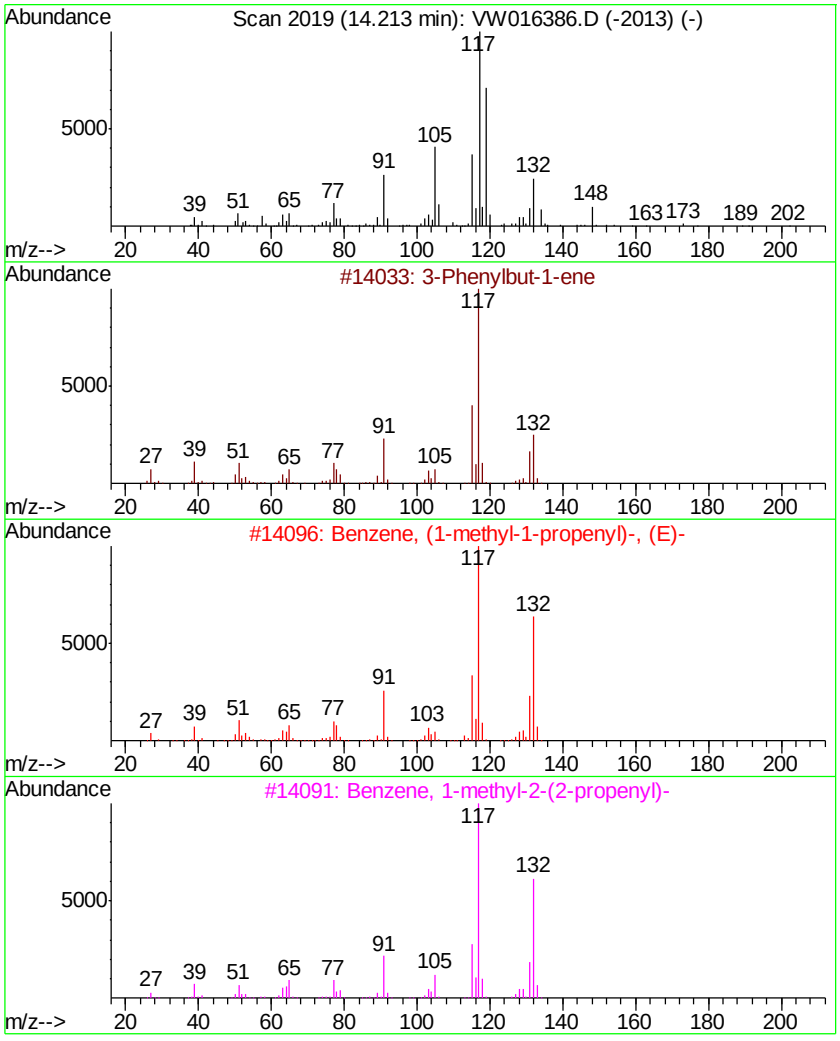
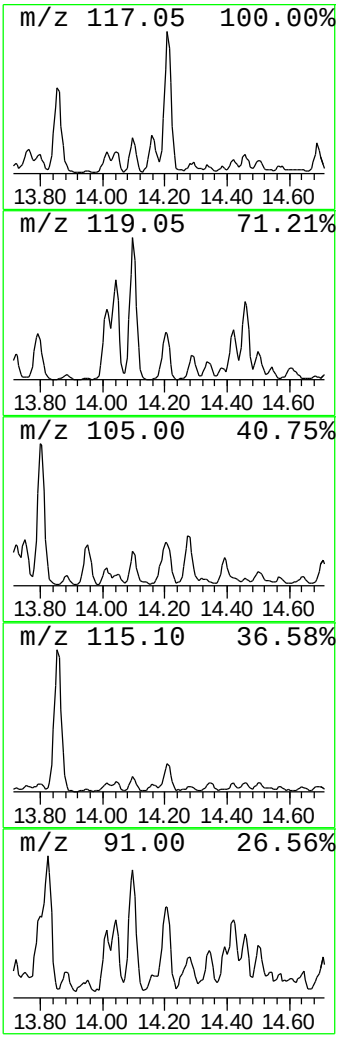
Peak Number 14 3-Phenylbut-1-ene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	6.07 ug/L	219061	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	64
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	55
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	55





Library Search Compound Report

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Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

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

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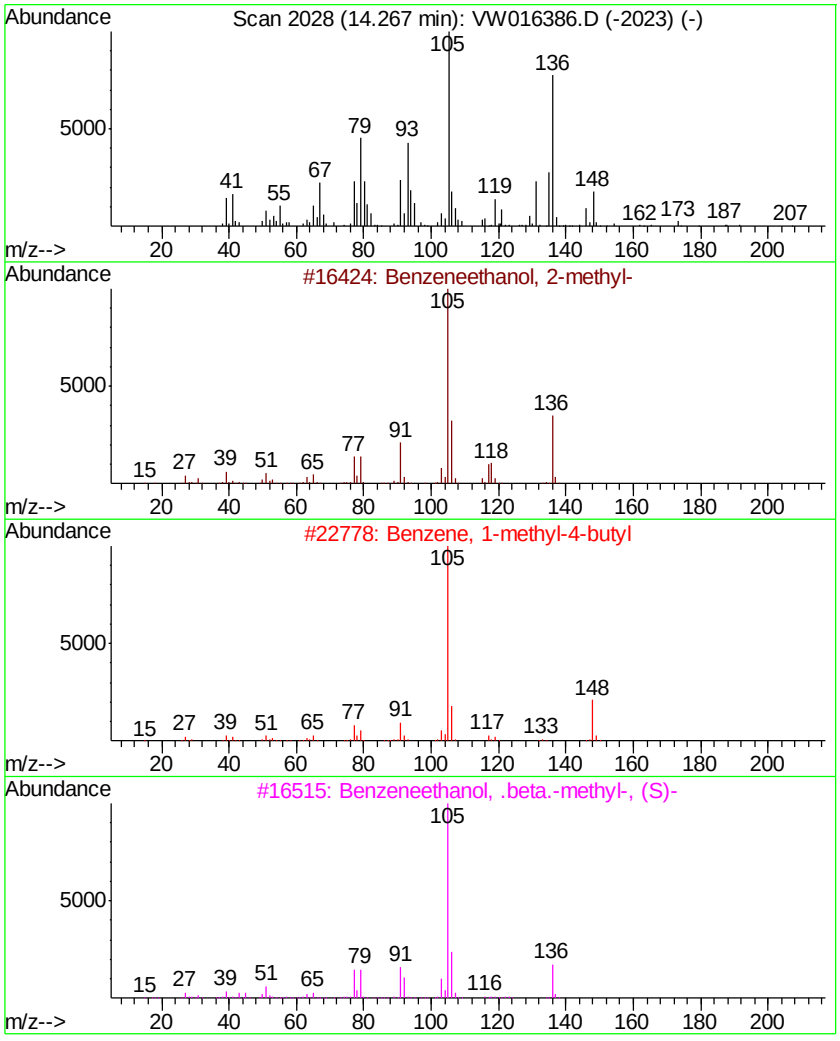
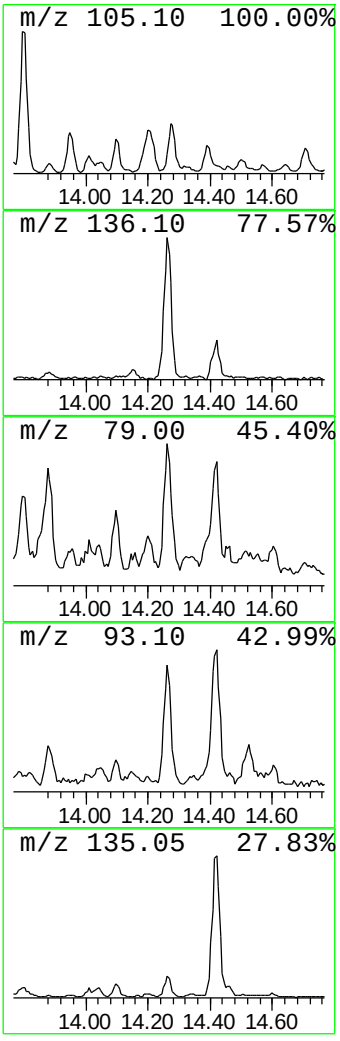
Peak Number 15 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	4.65 ug/L	167641	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, 2-methyl-	136	C9H12O	019819-98-8	25
2	Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	18
3	Benzeneethanol, .beta.-methyl-, ...	136	C9H12O	037778-99-7	18
4	Benzoic acid, methyl ester	136	C8H8O2	000093-58-3	16
5	Tricyclo[7.2.1.0(2,7)]dodec-4-en...	194	C11H14O3	1000305-03-1	16





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

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

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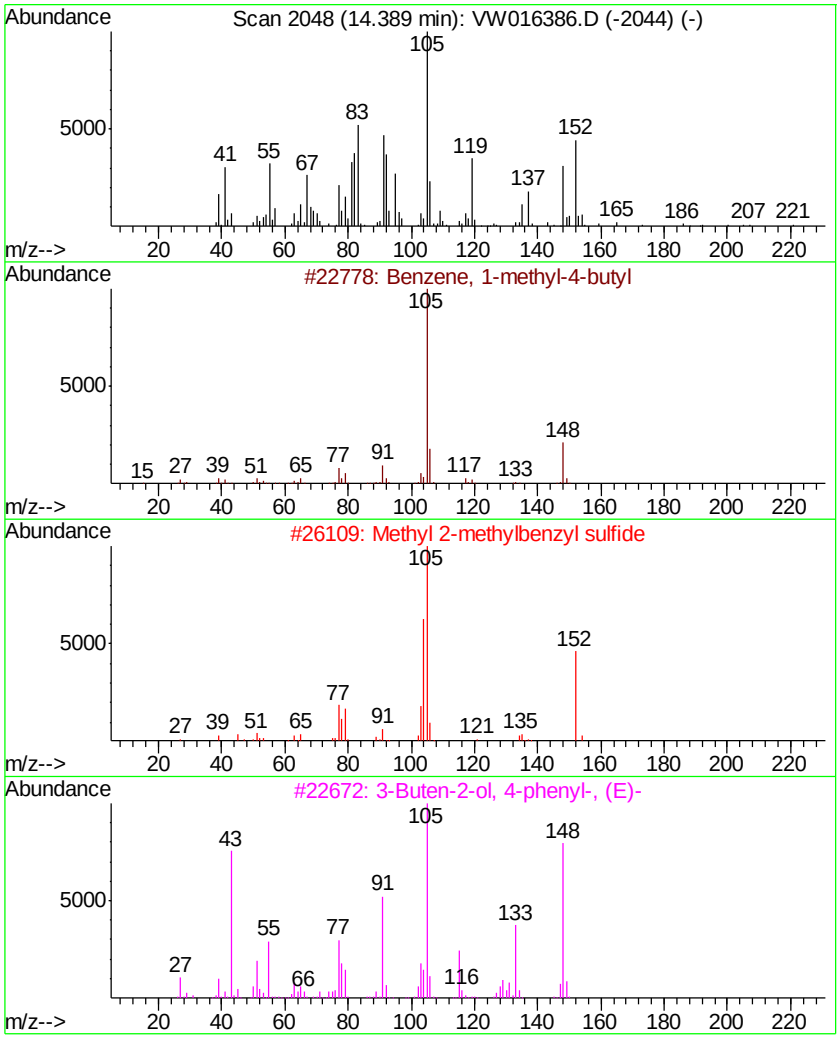
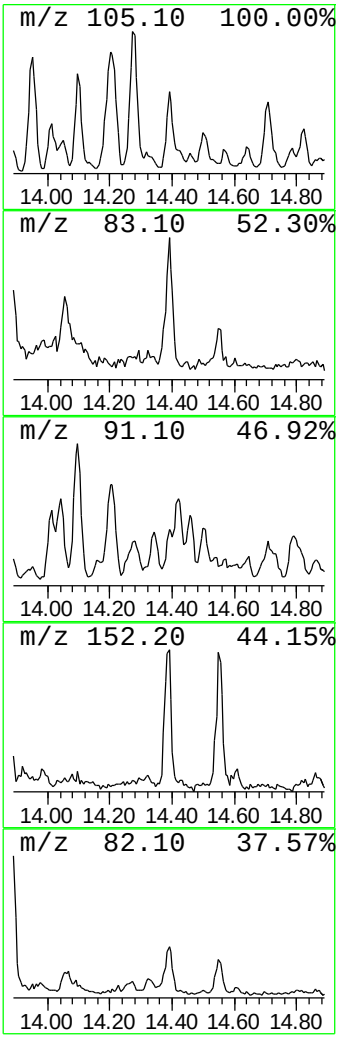
Peak Number 16 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	2.52 ug/L	90978	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	18
2	Methyl 2-methylbenzyl sulfide	152	C9H12S	005925-79-1	14
3	3-Buten-2-ol, 4-phenyl-, (E)-	148	C10H12O	1000163-70-9	10
4	Butane, 2-phenyl-3-hydroxy-4-cyano-	175	C11H13NO	1000162-09-2	10
5	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

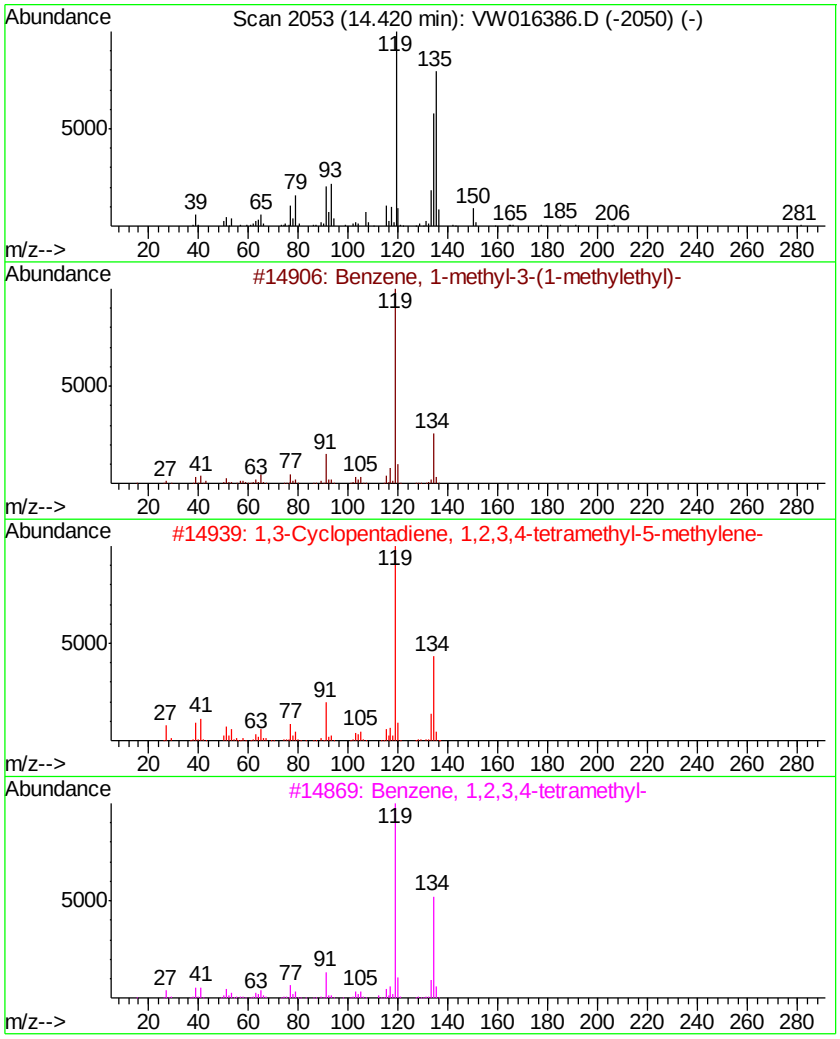
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

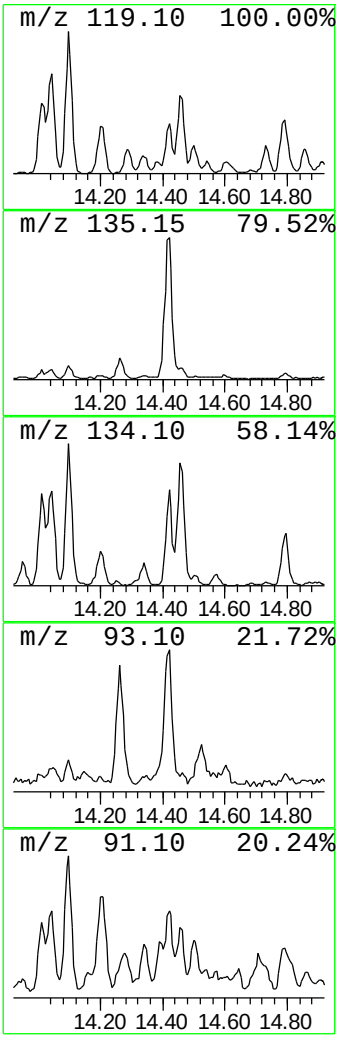
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-methyl-3-(1-meth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	3.61 ug/L	130170	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	55
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	53
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	49
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	49
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

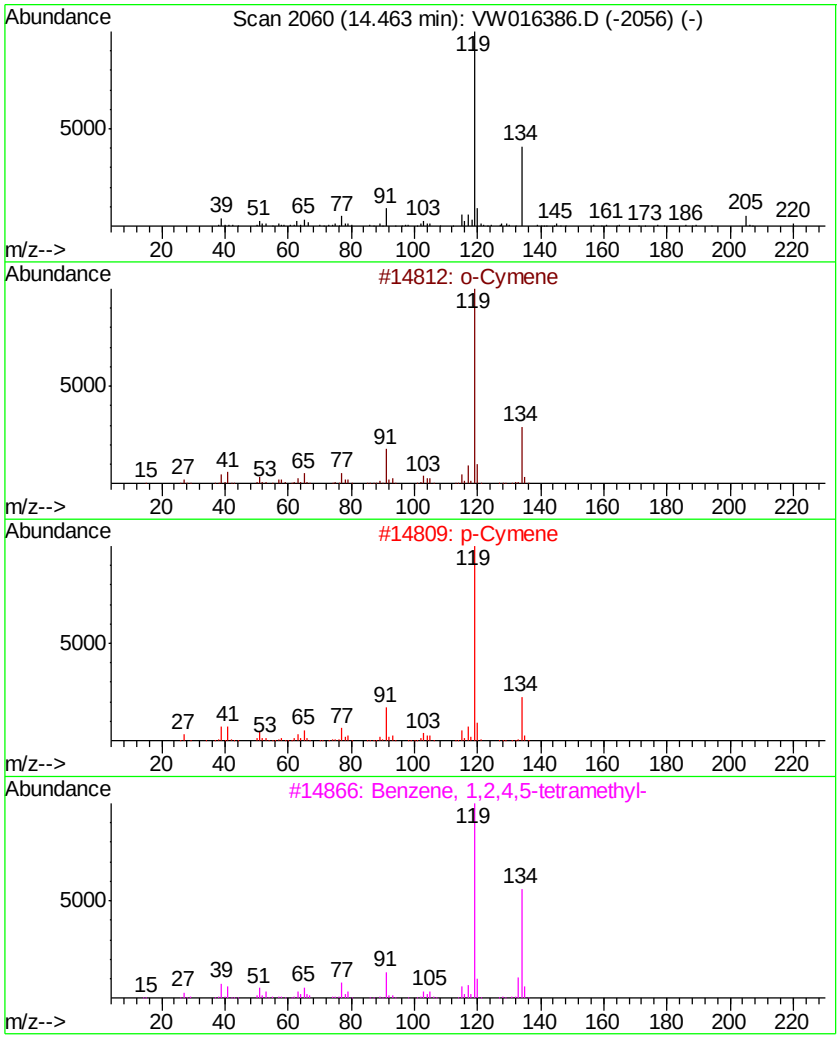
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

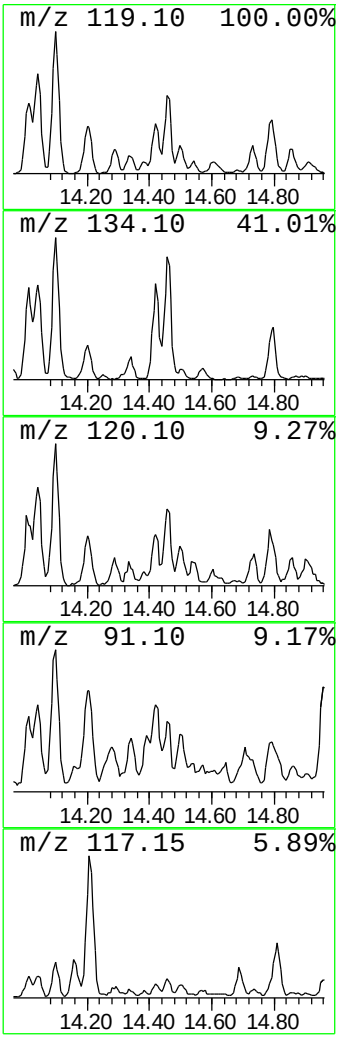
****

Peak Number 18 o-Cymene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	2.31 ug/L	83325	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	90
2	p-Cymene	134	C10H14	000099-87-6	90
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

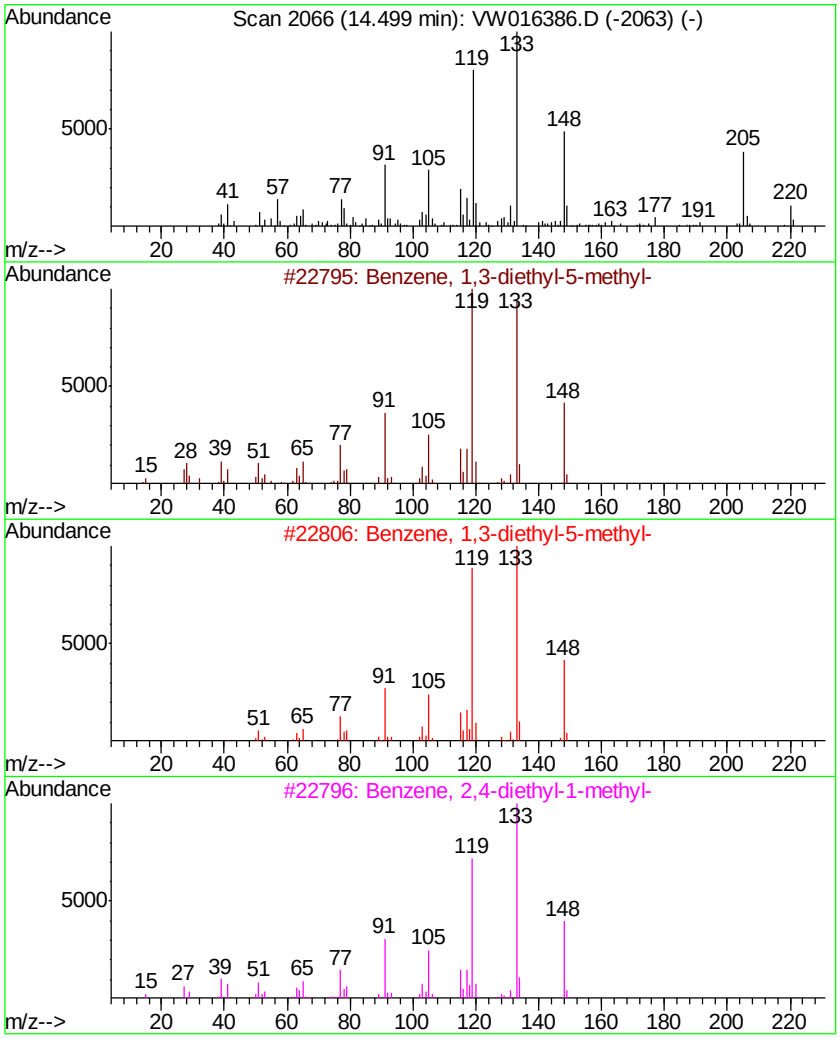
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

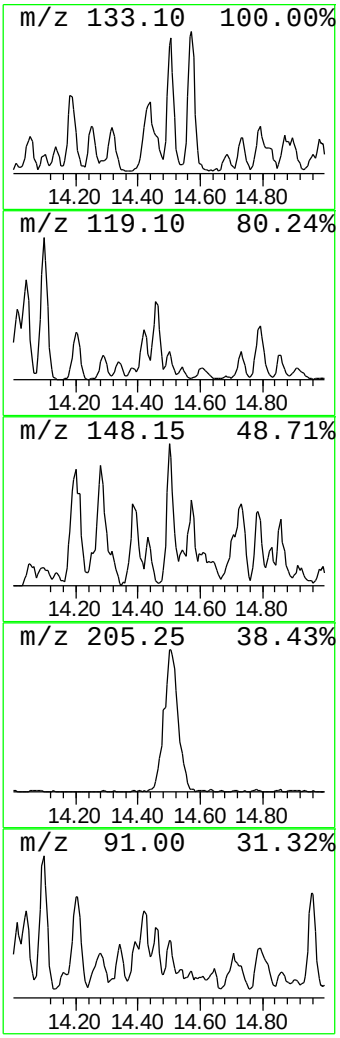
****

Peak Number 19 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	2.93 ug/L	105659	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	90
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	89
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	89
4	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	76
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	50





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

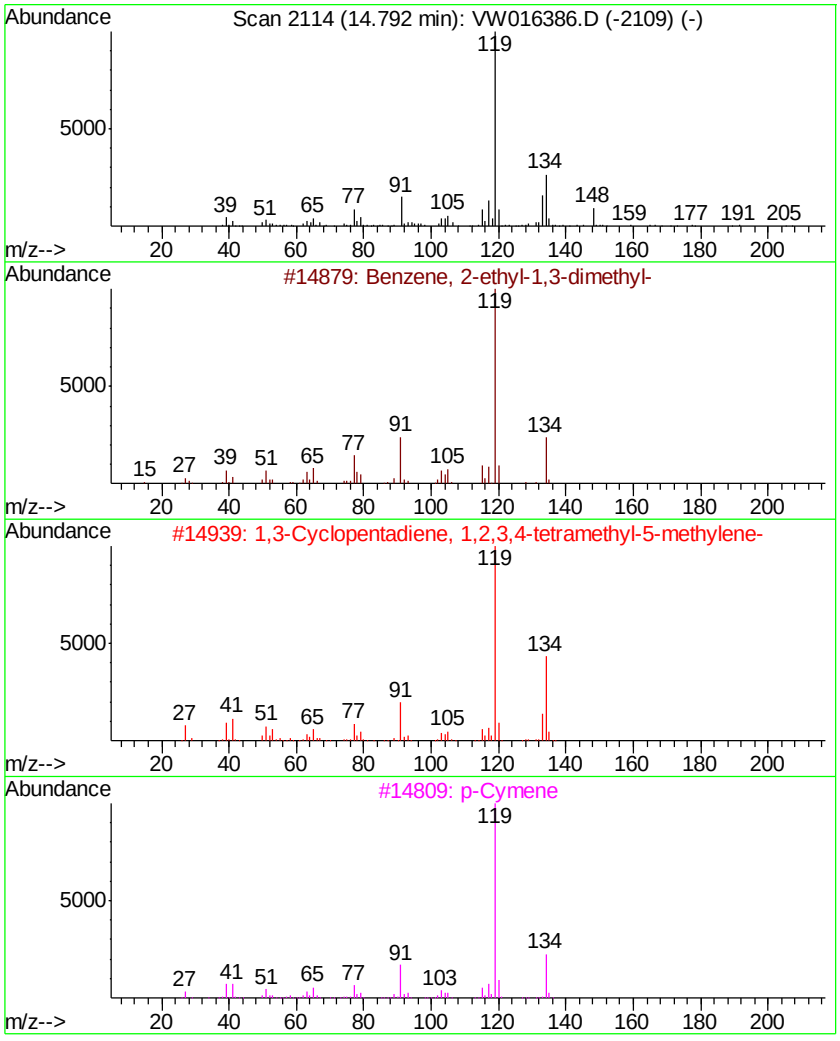
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

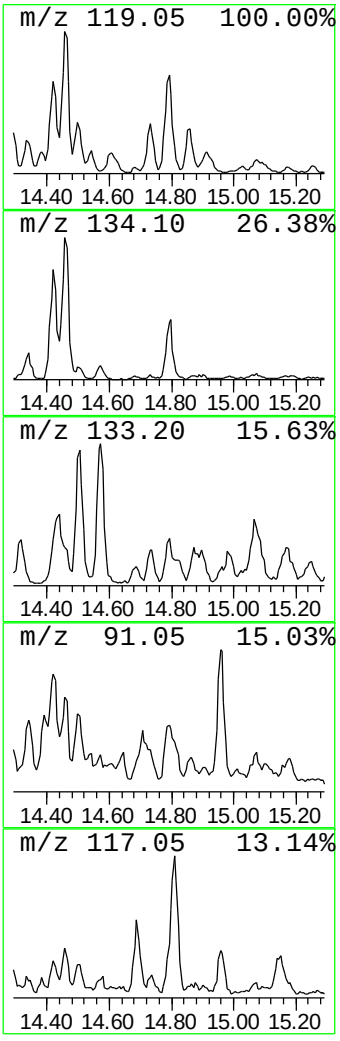
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	4.60 ug/L	165845	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
5	o-Cymene	134	C10H14	000527-84-4	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

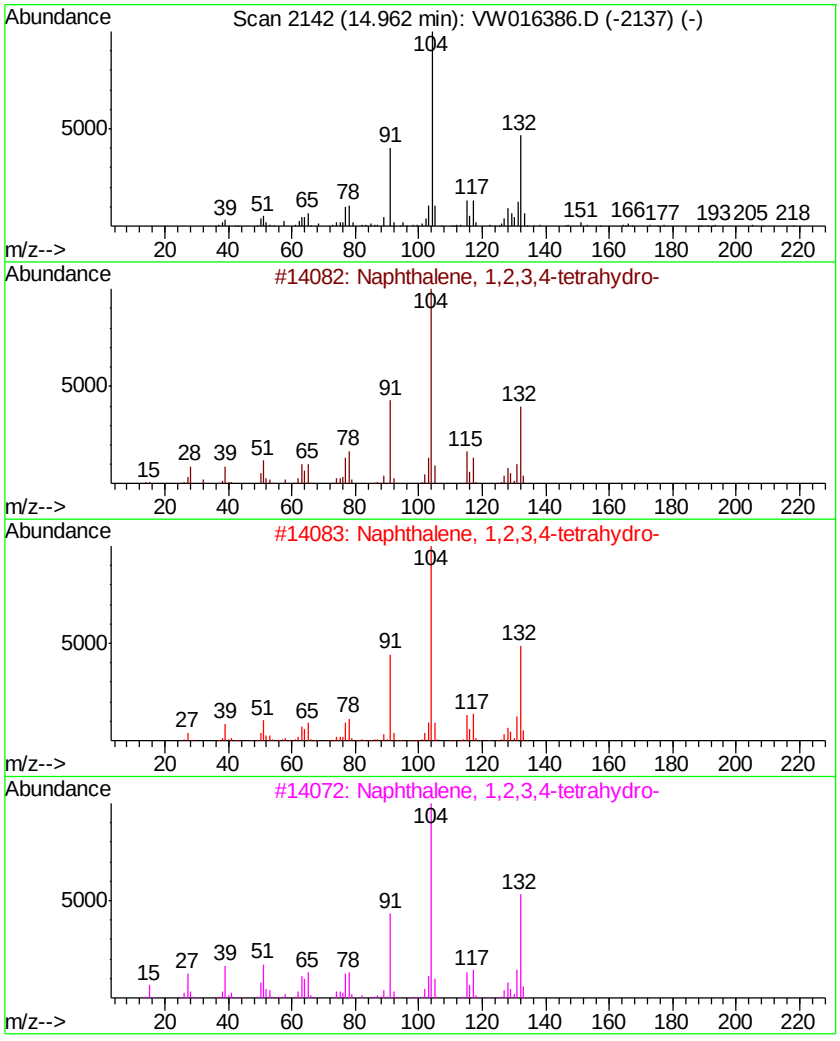
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
Quant Title : VOC Analysis

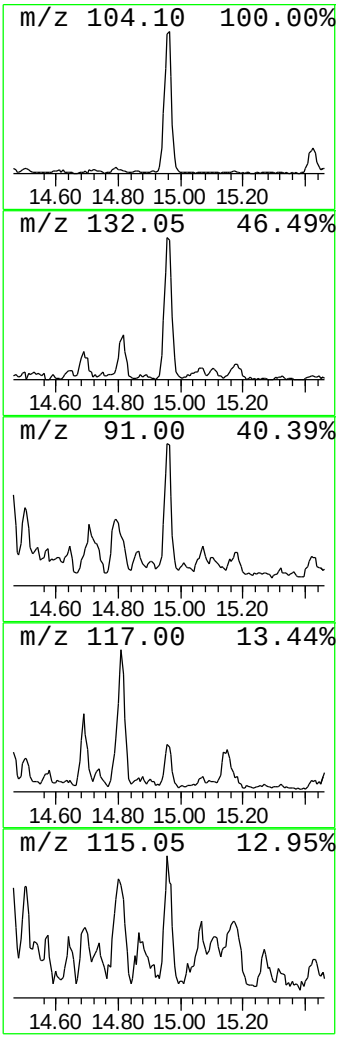
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	2.88 ug/L	103727	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60
5	Indan, epoxide	132	C9H8O	000768-22-9	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082720\
Data File : VW016386.D
Acq On : 27 Aug 2020 12:44
Operator : SY/VA
Sample : L3800-07
Misc : 6.55G/10ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG3J0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.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...	12.14	2.3	ug/L	79248	2	11.63	848399	25.0
Ethanone, 1-(1-me...	12.39	1.9	ug/L	65088	2	11.63	848399	25.0
1H-Indene, octahy...	12.79	3.9	ug/L	139066	3	13.56	901950	25.0
(DEL) Alkane: Cyc...	12.87	2.1	ug/L	75973	3	13.56	901950	25.0
(DEL) Alkane: Cyc...	12.94	5.6	ug/L	200946	3	13.56	901950	25.0
Oxalic acid, cycl...	12.99	1.3	ug/L	48184	3	13.56	901950	25.0
1H-Indene, octahy...	13.17	4.5	ug/L	160812	3	13.56	901950	25.0
Benzene, 1,2,3-tr...	13.25	13.4	ug/L	485291	3	13.56	901950	25.0
Benzene, 1-methyl...	13.80	4.2	ug/L	151184	3	13.56	901950	25.0
Benzene, 4-ethyl-...	14.01	3.0	ug/L	106541	3	13.56	901950	25.0
Benzene, 1,2,3,5-...	14.04	4.4	ug/L	158445	3	13.56	901950	25.0
Benzene, 2-ethyl-...	14.10	7.6	ug/L	274093	3	13.56	901950	25.0
3-Phenylbut-1-ene	14.21	6.1	ug/L	219061	3	13.56	901950	25.0
unknown-01	14.27	4.7	ug/L	167641	3	13.56	901950	25.0
unknown-02	14.39	2.5	ug/L	90978	3	13.56	901950	25.0
Benzene, 1-methyl...	14.42	3.6	ug/L	130170	3	13.56	901950	25.0
o-Cymene	14.46	2.3	ug/L	83325	3	13.56	901950	25.0
Benzene, 1,3-diet...	14.50	2.9	ug/L	105659	3	13.56	901950	25.0
Benzene, 2-ethyl-...	14.79	4.6	ug/L	165845	3	13.56	901950	25.0
Naphthalene, 1,2,...	14.96	2.9	ug/L	103727	3	13.56	901950	25.0