LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010515.D
Acq On : 22 May 2019 17:25
Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82W052019S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.641	113	121	128	rBV3	8241	18895	3.94%	0.408%
2	3.538	260	268	277	rBV2	4460	10760	2.25%	0.232%
3	4.123	355	364	376	rBV	4643	12003	2.51%	0.259%
4	4.385	395	407	419	rBV2	10140	31910	6.66%	0.689%
5	4.909	483	493	506	rBV4	4997	16801	3.51%	0.363%
6	5.940	652	662	671	rBV5	3190	9570	2.00%	0.207%
7	7.135	848	858	874	rBV	27608	79444	16.59%	1.715%
8	7.884	973	981	986	rBV	50886	122127	25.50%	2.637%
9	7.951	986	992	1004	rVB	157574	349636	73.00%	7.548%
10	8.256	1034	1042	1046	rBV	29224	73885	15.43%	1.595%
11	8.305	1046	1050	1062	rVB	47116	100065	20.89%	2.160%
12	8.842	1129	1138	1148	rBV	234255	460567	96.16%	9.943%
13	9.335	1212	1219	1224	rVB4	2723	5168	1.08%	0.112%
14	9.890	1302	1310	1316	rBV5	3488	7525	1.57%	0.162%
15	10.213	1357	1363	1367	rBV2	5303	9869	2.06%	0.213%
16	10.323	1374	1381	1390	rBV	187546	333355	69.60%	7.197%
17	10.500	1402	1410	1418	rVB4	5701	11375	2.37%	0.246%
18	10.671	1432	1438	1440	rBV5	3023	5608	1.17%	0.121%
19	10.707	1440	1444	1449	rVV2	8850	15622	3.26%	0.337%
20	11.067	1493	1503	1507	rBV2	7271	13961	2.91%	0.301%
21	11.177	1515	1521	1525	rBV	6248	9286	1.94%	0.200%
22	11.231	1525	1530	1535	rVB2	12067	20752	4.33%	0.448%
23	11.439	1552	1564	1570	rVB4	12992	31149	6.50%	0.672%
24	11.634	1587	1596	1606	rBV	283292	478983	100.00%	10.340%
25	11.841	1621	1630	1634	rBV3	21036	43681	9.12%	0.943%
26	12.146	1671	1680	1681	rBV3	13434	26432	5.52%	0.571%
27	12.256	1690	1698	1702	rVB2	10247	19774	4.13%	0.427%
28	12.341	1702	1712	1715	rBV5	14924	37329	7.79%	0.806%
29	12.542	1741	1745	1748	rVV2	5085	6382	1.33%	0.138%
30	12.621	1752	1758	1768	rBV	122828	212444	44.35%	4.586%
31	12.780	1779	1784	1791	rVB4	37562	71500	14.93%	1.544%
32	12.871	1791	1799	1802	rBV2	21256	42370	8.85%	0.915%
33	12.938	1802	1810	1816	rBV3	89296	176330	36.81%	3.807%
34	13.085	1829	1834	1837	rBV5	13054	25247	5.27%	0.545%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010515.D
Acq On : 22 May 2019 17:25
Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82W052019S.M
Title : SW846 8260

35	13.170	1843	1848	1856	rBV2	37153	59219	12.36%	1.278%
36	13.255	1856	1862	1866	rBV	84381	128120	26.75%	2.766%
37	13.292	1866	1868	1872	rVB5	5250	6257	1.31%	0.135%
38	13.341	1874	1876	1880	rVB3	4822	5455	1.14%	0.118%
39	13.383	1880	1883	1886	rVB4	6000	7253	1.51%	0.157%
40	13.451	1886	1894	1897	rBV5	36007	67931	14.18%	1.467%
41	13.487	1897	1900	1904	rVV4	15635	27036	5.64%	0.584%
42	13.560	1906	1912	1921	rVV2	212595	437486	91.34%	9.445%
43	13.627	1921	1923	1929	rVB5	11445	13559	2.83%	0.293%
44	13.700	1929	1935	1940	rBV7	12973	26835	5.60%	0.579%
45	13.755	1940	1944	1947	rBV2	17405	25753	5.38%	0.556%
46	13.792	1947	1950	1959	rVB2	31121	54766	11.43%	1.182%
47	13.877	1959	1964	1969	rBV3	122882	187197	39.08%	4.041%
48	13.957	1974	1977	1980	rVV	9303	14728	3.07%	0.318%
49	14.011	1983	1986	1989	rVV3	23868	41044	8.57%	0.886%
50	14.042	1989	1991	1995	rVV	22015	32256	6.73%	0.696%
51	14.097	1996	2000	2005	rVB	26148	42609	8.90%	0.920%
52	14.206	2013	2018	2023	rVB2	33539	54468	11.37%	1.176%
53	14.261	2023	2027	2029	rBV2	5501	8733	1.82%	0.189%
54	14.341	2035	2040	2044	rBV2	16421	29732	6.21%	0.642%
55	14.389	2044	2048	2051	rVV4	19229	35251	7.36%	0.761%
56	14.426	2051	2054	2056	rVV	24751	35643	7.44%	0.769%
57	14.463	2056	2060	2064	rVV	37404	55757	11.64%	1.204%
58	14.505	2064	2067	2070	rVV3	9960	12528	2.62%	0.270%
59	14.548	2070	2074	2081	rVB4	14924	26769	5.59%	0.578%
60	14.645	2086	2090	2094	rVB3	6755	9926	2.07%	0.214%
61	14.694	2094	2098	2101	rBV3	5706	11165	2.33%	0.241%
62	14.731	2101	2104	2109	rVB4	14894	22027	4.60%	0.476%
63	14.798	2109	2115	2123	rBV2	55065	109020	22.76%	2.354%
64	14.859	2123	2125	2131	rVB4	3715	5757	1.20%	0.124%
65	14.962	2136	2142	2151	rVB	33127	55623	11.61%	1.201%
66	15.066	2155	2159	2163	rBV6	4042	6559	1.37%	0.142%
67	15.182	2172	2178	2185	rVB6	6302	15355	3.21%	0.331%
68	15.371	2204	2209	2214	rVB	13304	22467	4.69%	0.485%
69	15.444	2214	2221	2225	rBV2	6752	11873	2.48%	0.256%
70	16.444	2381	2385	2395	rVB2	4076	7825	1.63%	0.169%
71	16.651	2411	2419	2428	rBV	11934	28332	5.92%	0.612%

LSC Area Percent Report

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Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82W052019S.M
Title : SW846 8260

Sum of corrected areas: 4632119

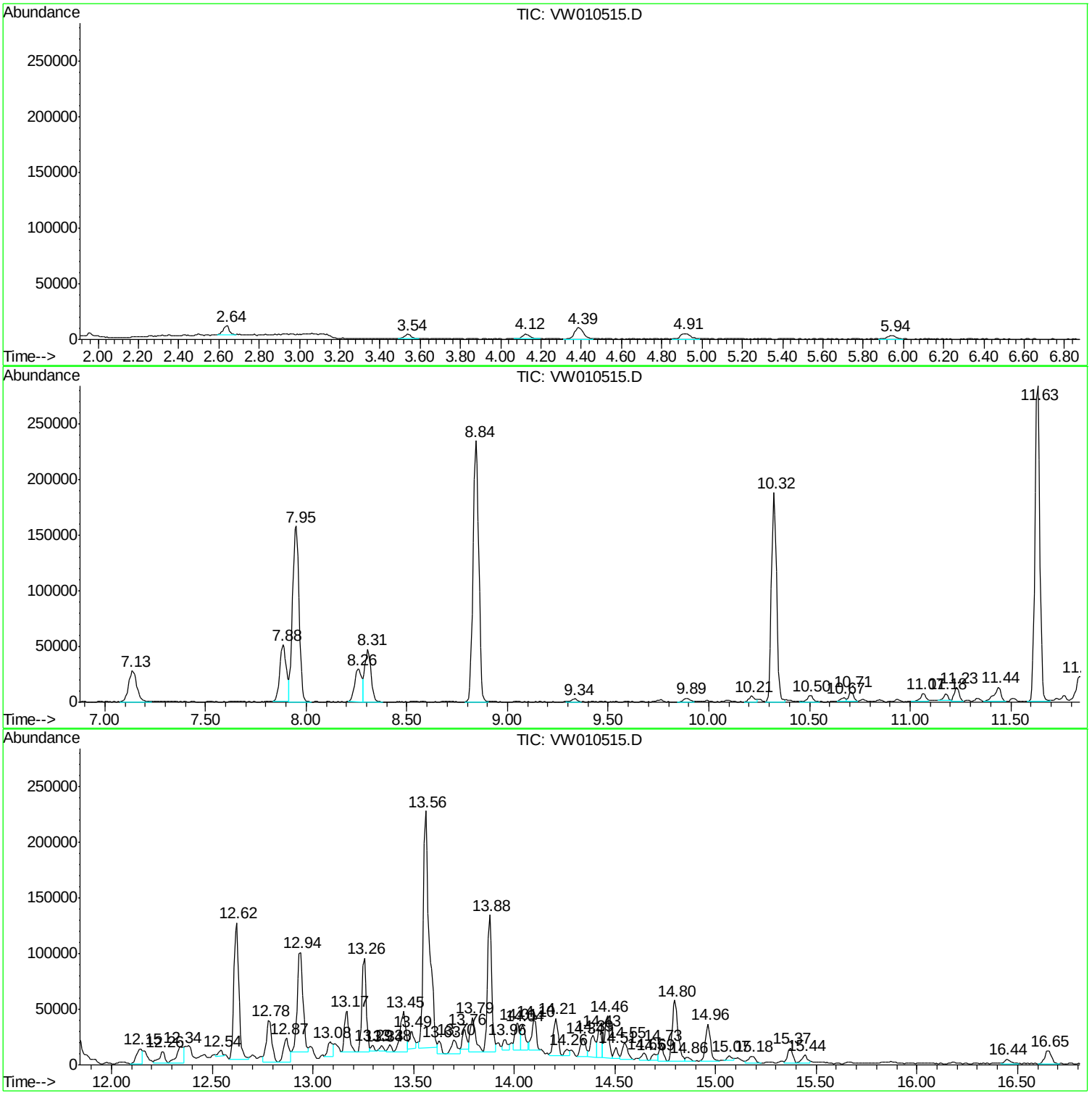
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010515.D
Acq On : 22 May 2019 17:25
Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010515.D
Acq On : 22 May 2019 17:25
Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

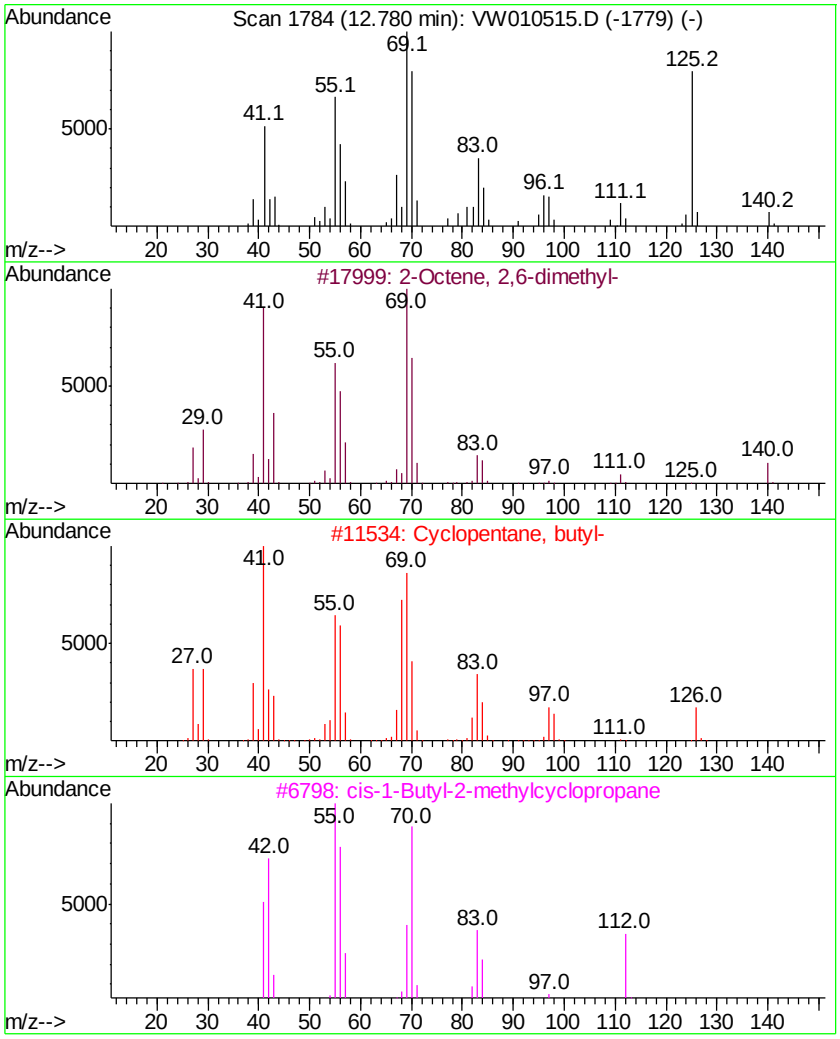
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

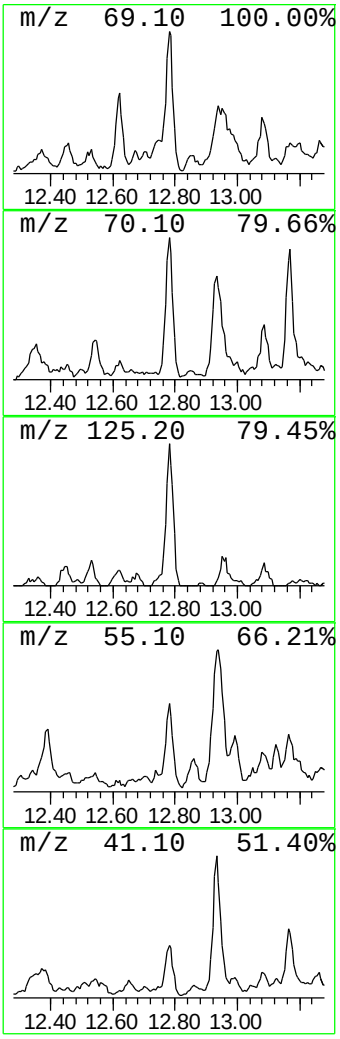
****

Peak Number 2 2-Octene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	8.17 ug/l	71500	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	49
3	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
4	Cyclopentane, (3-methylbutyl)-	140	C10H20	001005-68-1	43
5	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	41





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010515.D
Acq On : 22 May 2019 17:25
Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

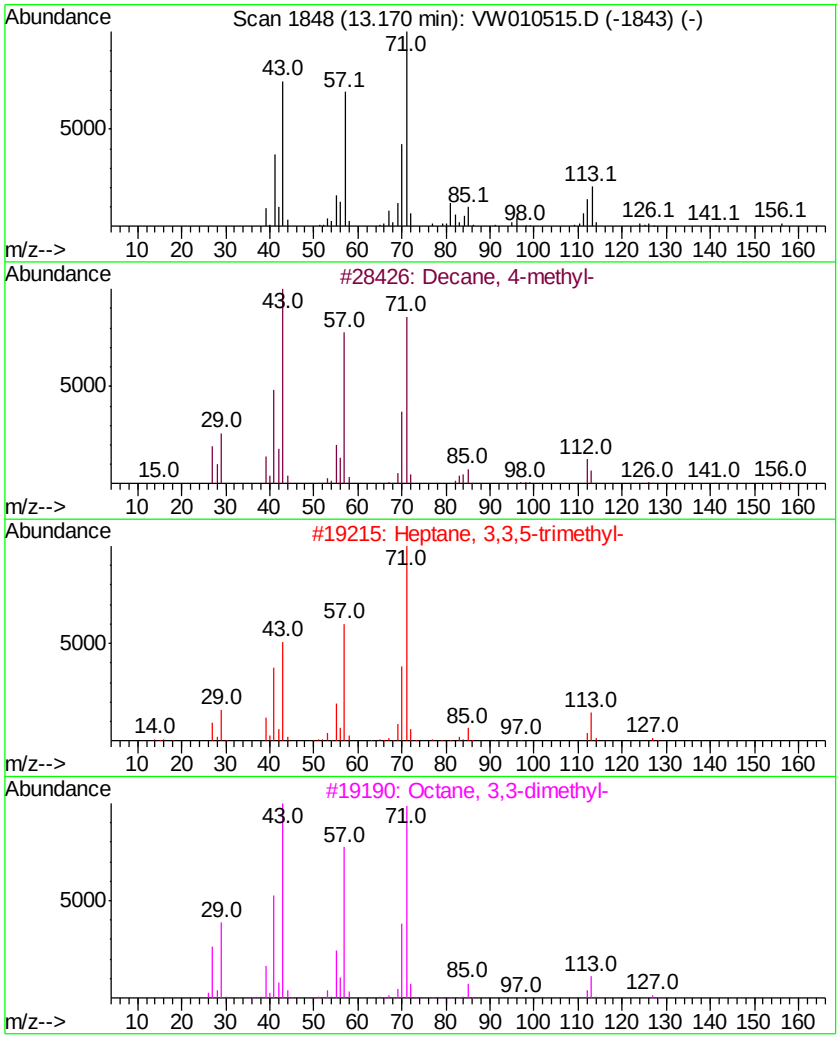
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

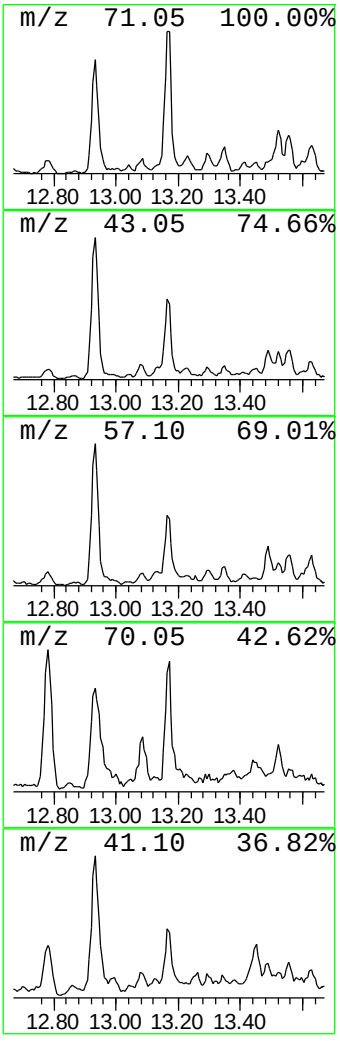
****

Peak Number 3 Decane, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	6.77 ug/l	59219	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	80
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
4	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	50
5	3-Hexanone, 2,2-dimethyl-	128	C8H16O	005405-79-8	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010515.D
Acq On : 22 May 2019 17:25
Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

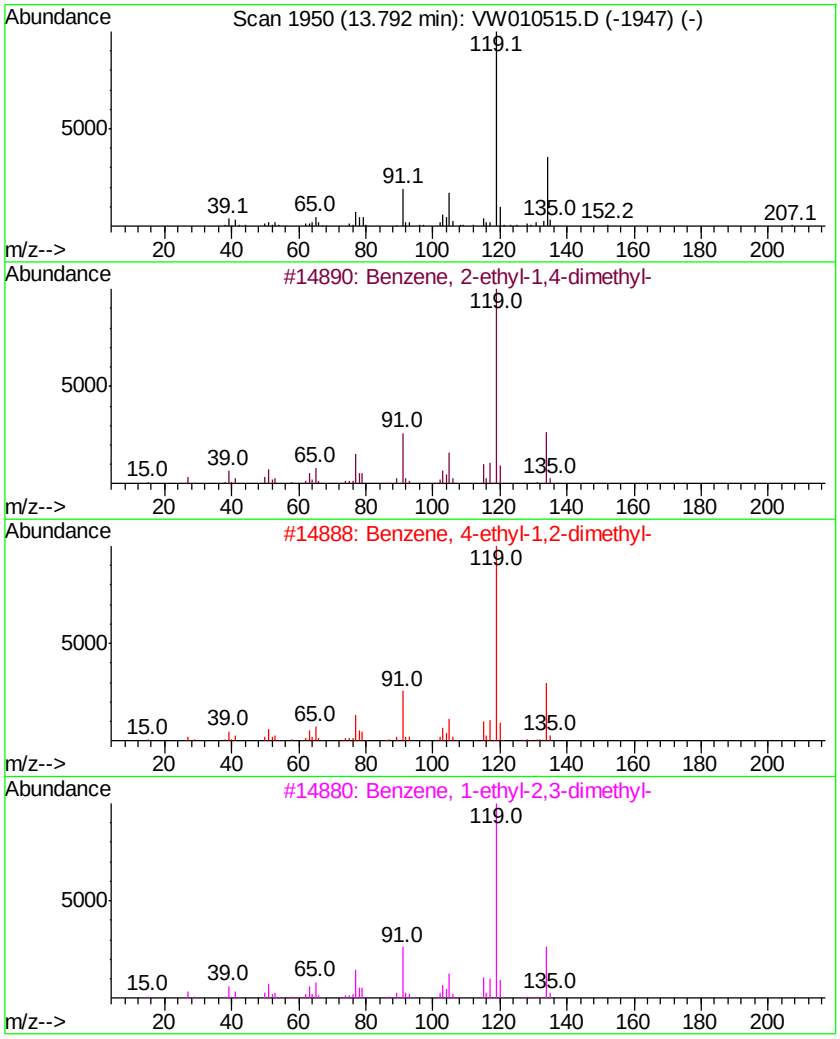
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

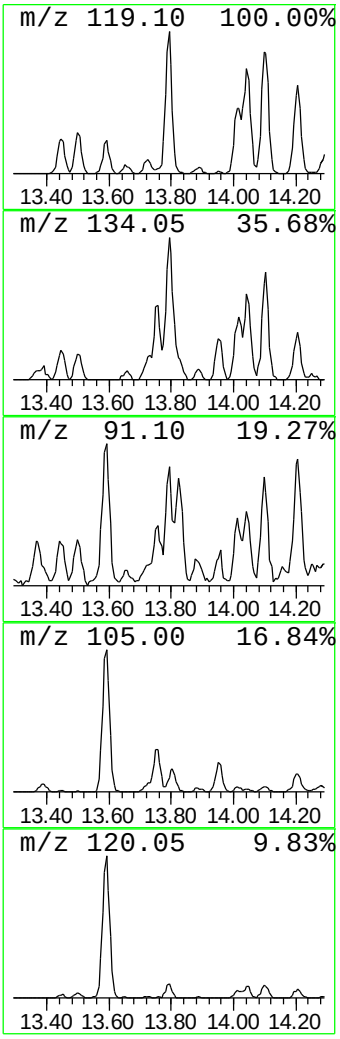
****

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	6.26 ug/l	54766	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	91
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
5	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
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Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

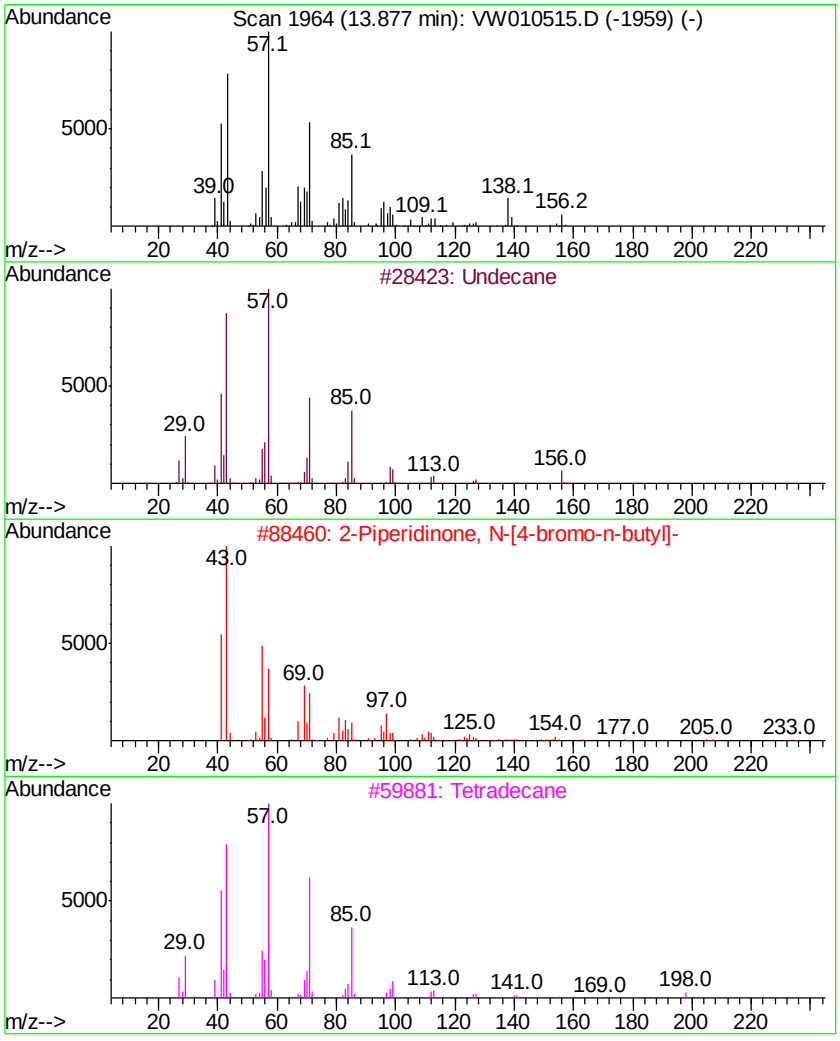
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

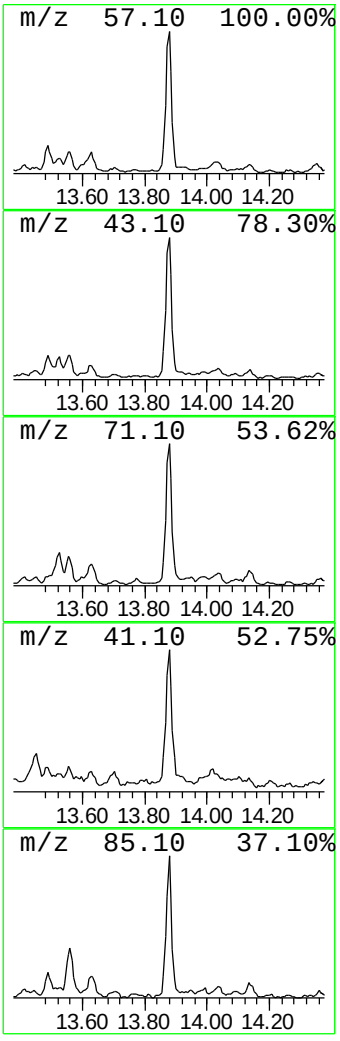
****

Peak Number 5 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	21.39 ug/l	187197	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	93
2	2-Piperidinone, N-[4-bromo-n-but...	233	C9H16BrNO	195194-80-0	52
3	Tetradecane	198	C14H30	000629-59-4	43
4	Hexadecane	226	C16H34	000544-76-3	43
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
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Acq On : 22 May 2019 17:25
Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

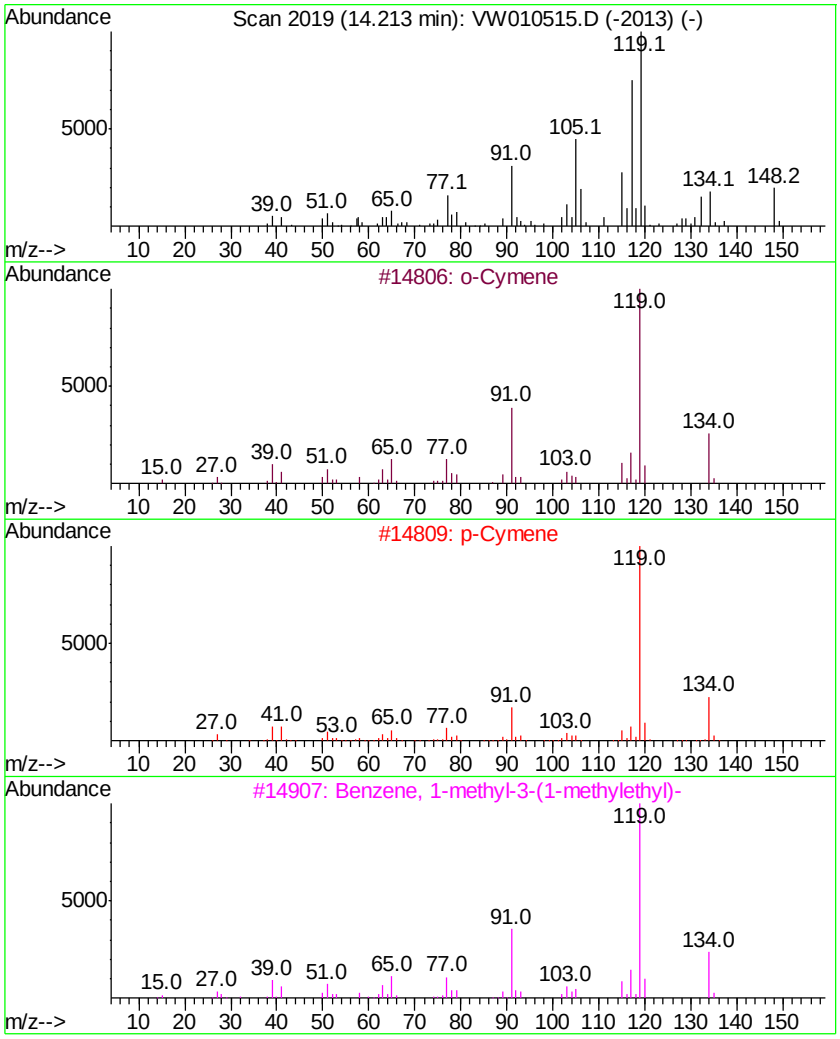
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

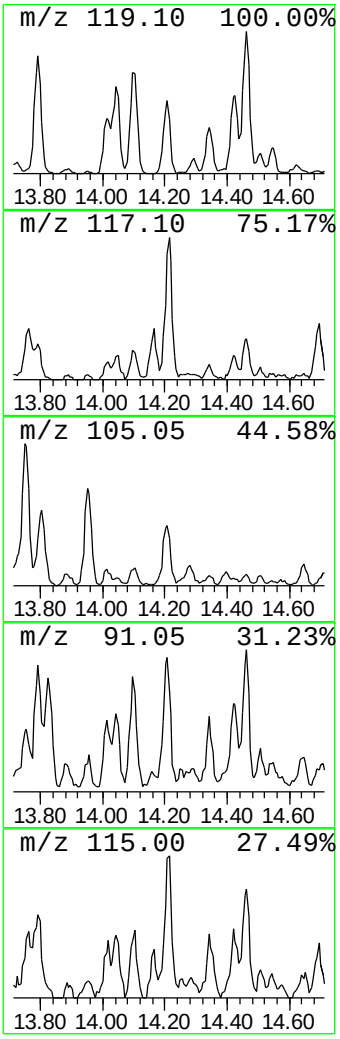
****

Peak Number 6 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	6.23 ug/l	54468	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	64
2	p-Cymene	134	C10H14	000099-87-6	60
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	58
4	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	58
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	53





Library Search Compound Report

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Data File : VW010515.D
Acq On : 22 May 2019 17:25
Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

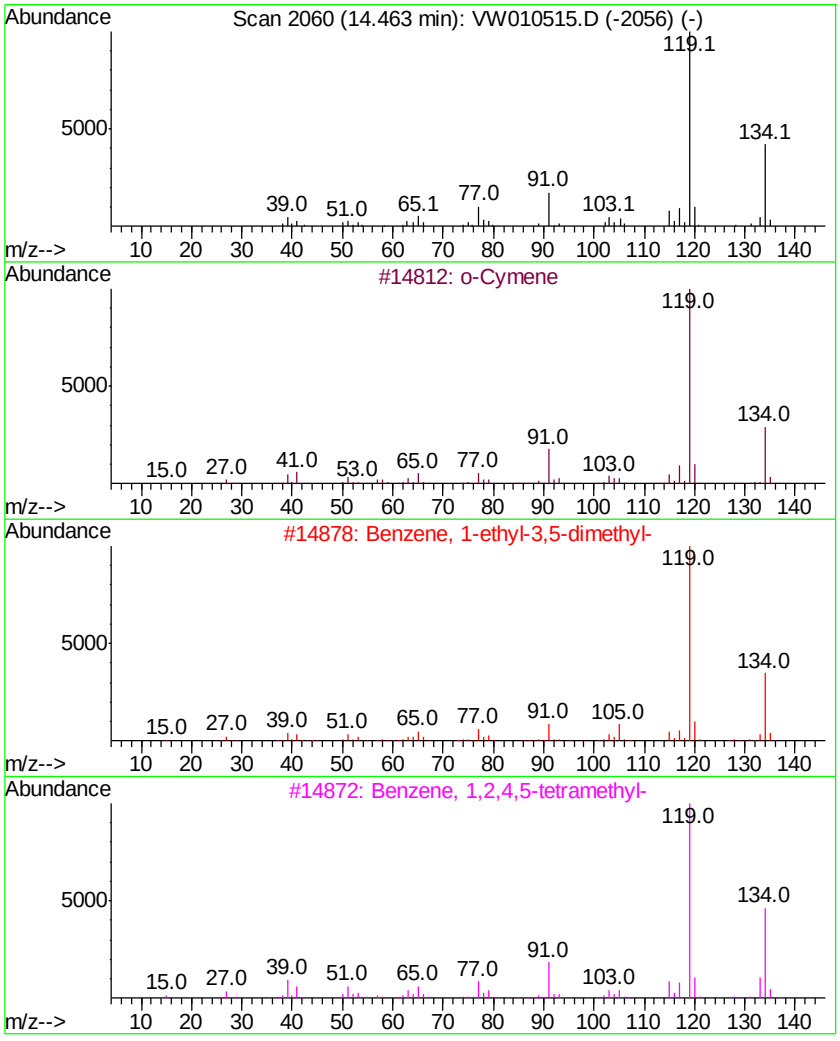
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

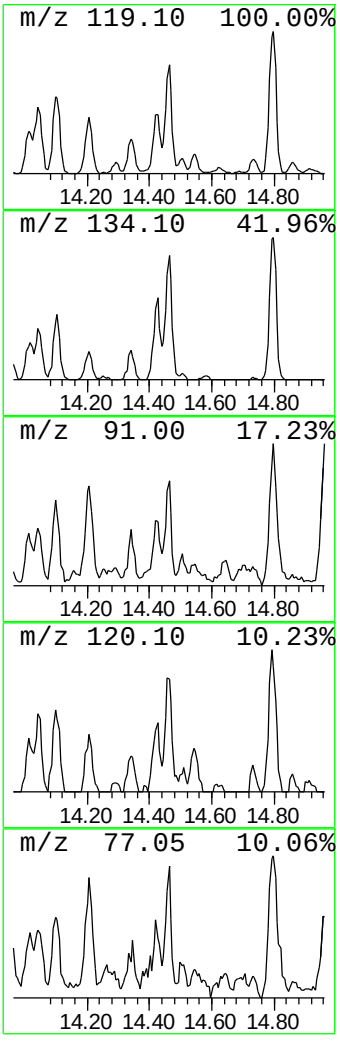
****

Peak Number 7 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	6.37 ug/l	55757	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010515.D
Acq On : 22 May 2019 17:25
Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

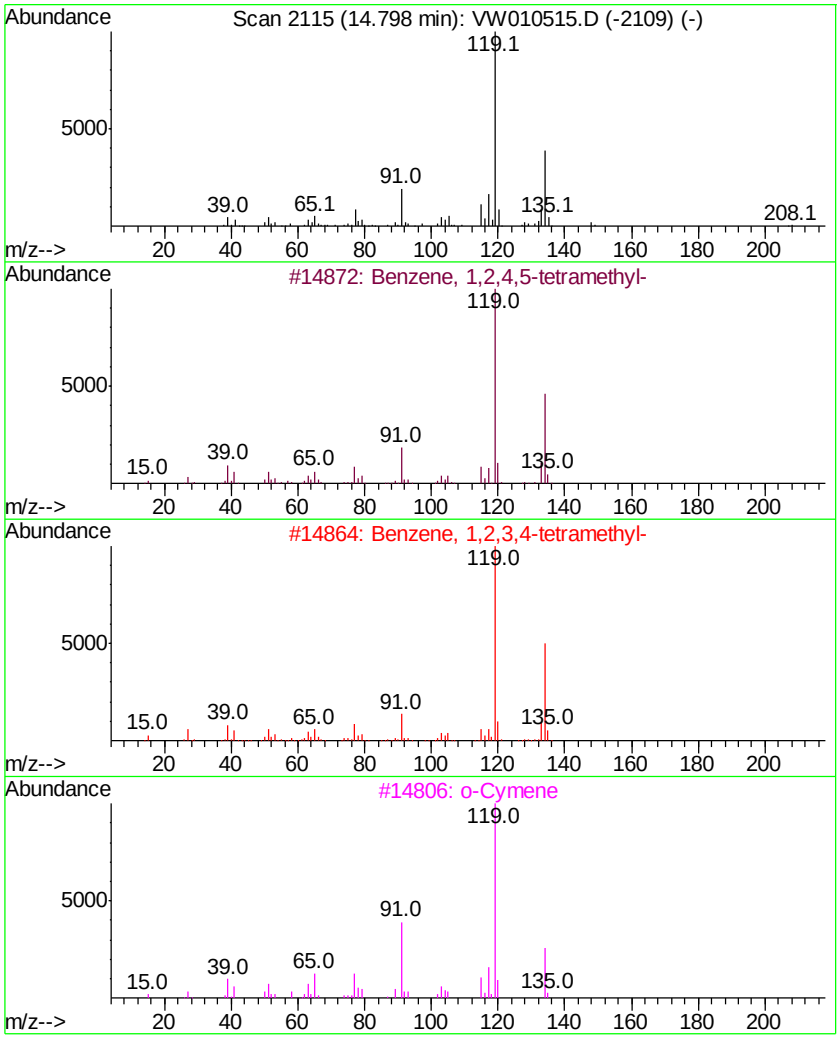
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

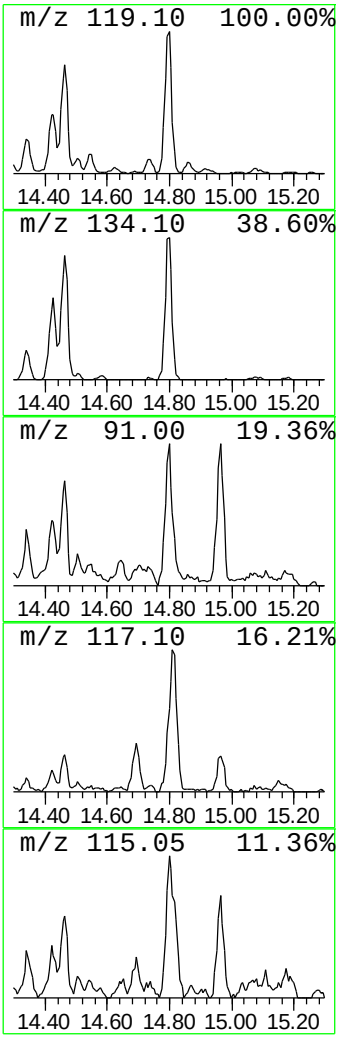
****

Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	12.46 ug/l	109020	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
5	p-Cymene	134	C10H14	000099-87-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010515.D
Acq On : 22 May 2019 17:25
Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

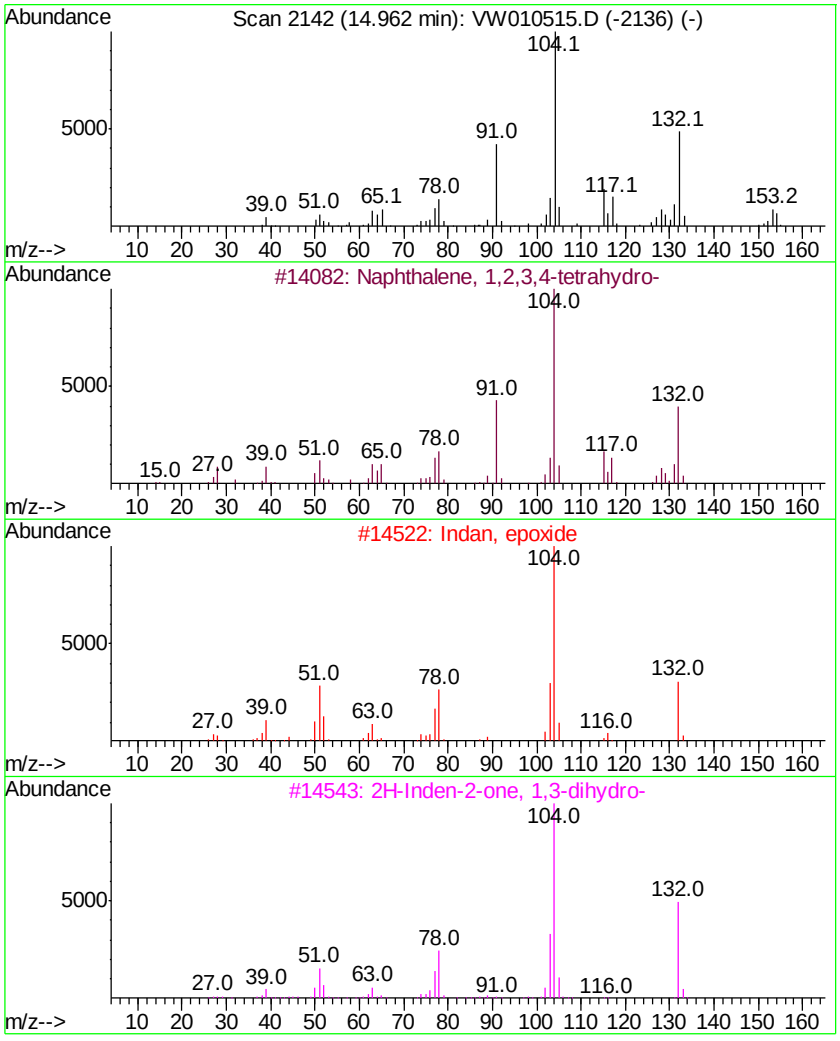
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

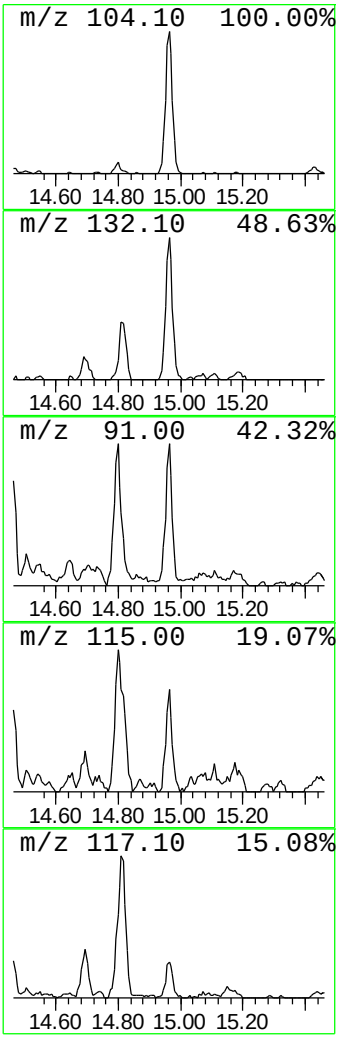
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	6.36 ug/l	55623	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	96
2	Indan, epoxide	132	C9H8O	000768-22-9	60
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	58
4	Benzene, cyclobutyl-	132	C10H12	004392-30-7	42
5	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW052219\
Data File : VW010515.D
Acq On : 22 May 2019 17:25
Operator : SY/VA
Sample : K3002-08
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Octene, 2,6-dim...	12.78	8.2	ug/l	71500	4	13.56	437486	50.0
Decane, 4-methyl-	13.17	6.8	ug/l	59219	4	13.56	437486	50.0
Benzene, 2-ethyl-...	13.79	6.3	ug/l	54766	4	13.56	437486	50.0
Undecane	13.88	21.4	ug/l	187197	4	13.56	437486	50.0
o-Cymene	14.21	6.2	ug/l	54468	4	13.56	437486	50.0
Benzene, 1-ethyl-...	14.46	6.4	ug/l	55757	4	13.56	437486	50.0
Benzene, 1,2,4,5-...	14.80	12.5	ug/l	109020	4	13.56	437486	50.0
Naphthalene, 1,2,...	14.96	6.4	ug/l	55623	4	13.56	437486	50.0