LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008504.D
Acq On : 04 Feb 2019 16:22
Operator : SY/VA
Sample : K1299-04
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0041-FIELD-DUP

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\82W012419S.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	1.995	11	15	24	rVB	18323	45509	1.95%	0.143%
2	4.117	356	363	372	rBV	28922	78186	3.35%	0.246%
3	4.373	395	405	413	rBV2	12501	36745	1.57%	0.116%
4	4.903	486	492	504	rVB4	9055	28582	1.22%	0.090%
5	5.934	651	661	668	rBV4	10189	28701	1.23%	0.090%
6	7.147	849	860	874	rBV4	23535	95029	4.07%	0.299%
7	7.884	969	981	985	rBV	239887	565316	24.19%	1.780%
8	7.945	985	991	1001	rVB	429834	933244	39.94%	2.939%
9	8.305	1039	1050	1059	rBV	233491	515492	22.06%	1.624%
10	8.842	1128	1138	1149	rBV	616941	1226131	52.47%	3.862%
11	9.329	1209	1218	1224	rBV3	30645	75466	3.23%	0.238%
12	9.750	1282	1287	1293	rBV6	11790	24088	1.03%	0.076%
13	10.323	1373	1381	1390	rBV	987951	1778642	76.12%	5.602%
14	10.500	1404	1410	1418	rVB9	15908	43377	1.86%	0.137%
15	10.616	1423	1429	1433	rBV3	10723	23785	1.02%	0.075%
16	10.762	1448	1453	1458	rBV6	12262	27671	1.18%	0.087%
17	10.841	1463	1466	1472	rVB2	18824	28964	1.24%	0.091%
18	10.933	1476	1481	1489	rVB	51226	83611	3.58%	0.263%
19	11.036	1491	1498	1501	rBV2	34811	69341	2.97%	0.218%
20	11.176	1517	1521	1525	rBV	32912	46582	1.99%	0.147%
21	11.231	1525	1530	1535	rVB	84816	142547	6.10%	0.449%
22	11.341	1542	1548	1552	rBV3	60805	122952	5.26%	0.387%
23	11.439	1560	1564	1571	rVB3	63507	125037	5.35%	0.394%
24	11.634	1589	1596	1606	rBV	841345	1459869	62.48%	4.598%
25	11.731	1608	1612	1615	rVV	33195	52867	2.26%	0.167%
26	11.762	1615	1617	1621	rVB4	22047	26597	1.14%	0.084%
27	11.829	1621	1628	1632	rBV6	47910	121196	5.19%	0.382%
28	11.871	1632	1635	1640	rVV	84551	151474	6.48%	0.477%
29	11.914	1640	1642	1648	rVB3	60387	87240	3.73%	0.275%
30	11.975	1648	1652	1654	rBV2	25649	38600	1.65%	0.122%
31	12.060	1664	1666	1671	rVB2	34305	49669	2.13%	0.156%
32	12.140	1672	1679	1690	rBV5	125890	435236	18.63%	1.371%
33	12.256	1691	1698	1702	rVB	188009	324998	13.91%	1.024%
34	12.365	1702	1716	1723	rBV4	240803	1023553	43.80%	3.224%

LSC Area Percent Report

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Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0041-FIELD-DUP

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
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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Title : SW846 8260

35	12.621	1751	1758	1764	rVB	777882	1372341	58.73%	4.322%
36	12.701	1764	1771	1776	rBV6	81084	228706	9.79%	0.720%
37	12.780	1780	1784	1790	rVB2	196514	355184	15.20%	1.119%
38	12.865	1791	1798	1802	rBV5	301538	718980	30.77%	2.264%
39	12.944	1807	1811	1817	rVB4	324960	628785	26.91%	1.980%
40	13.085	1830	1834	1836	rBV2	88467	141434	6.05%	0.445%
41	13.170	1844	1848	1857	rBV6	90262	204355	8.75%	0.644%
42	13.255	1858	1862	1866	rVV	156481	278416	11.91%	0.877%
43	13.341	1866	1876	1886	rVV5	393961	1828225	78.24%	5.758%
44	13.450	1890	1894	1907	rVV6	383708	1489975	63.76%	4.693%
45	13.560	1907	1912	1925	rVB2	883773	1671623	71.54%	5.265%
46	13.700	1931	1935	1941	rBV4	78416	178558	7.64%	0.562%
47	13.761	1942	1945	1947	rVV2	56635	76734	3.28%	0.242%
48	13.792	1947	1950	1956	rVB2	136218	201365	8.62%	0.634%
49	13.883	1959	1965	1969	rBV3	311984	616522	26.38%	1.942%
50	13.981	1979	1981	1985	rVB4	70406	76641	3.28%	0.241%
51	14.097	1997	2000	2012	rVB2	262404	565273	24.19%	1.780%
52	14.206	2013	2018	2023	rBV5	141340	281021	12.03%	0.885%
53	14.267	2024	2028	2033	rBV5	76511	145270	6.22%	0.458%
54	14.322	2034	2037	2043	rVB5	78697	153763	6.58%	0.484%
55	14.389	2044	2048	2052	rBV2	206853	329716	14.11%	1.038%
56	14.462	2057	2060	2063	rVB	107273	136973	5.86%	0.431%
57	14.505	2064	2067	2070	rBV4	59821	95351	4.08%	0.300%
58	14.554	2070	2075	2081	rBV6	196991	362495	15.51%	1.142%
59	14.743	2103	2106	2109	rBV4	47081	57009	2.44%	0.180%
60	14.798	2110	2115	2120	rVV3	210916	438128	18.75%	1.380%
61	14.853	2121	2124	2133	rVB5	132634	299624	12.82%	0.944%
62	14.969	2135	2143	2155	rVB2	495028	1657277	70.92%	5.219%
63	15.072	2155	2160	2165	rBV4	106478	210106	8.99%	0.662%
64	15.176	2174	2177	2185	rVB8	82069	174843	7.48%	0.551%
65	15.371	2199	2209	2219	rBV	1106560	2336686	100.00%	7.359%
66	15.676	2250	2259	2265	rBV	89371	350578	15.00%	1.104%
67	15.743	2266	2270	2277	rVB5	121772	246232	10.54%	0.775%
68	16.298	2357	2361	2368	rVB2	124897	236024	10.10%	0.743%
69	16.450	2379	2386	2398	rVB	746625	1613449	69.05%	5.081%
70	16.651	2411	2419	2430	rVB	859688	2077713	88.92%	6.544%

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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0041-FIELD-DUP

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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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\82W012419S.M
Title : SW846 8260

Sum of corrected areas: 31751672

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008504.D
Acq On : 04 Feb 2019 16:22
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Sample : K1299-04
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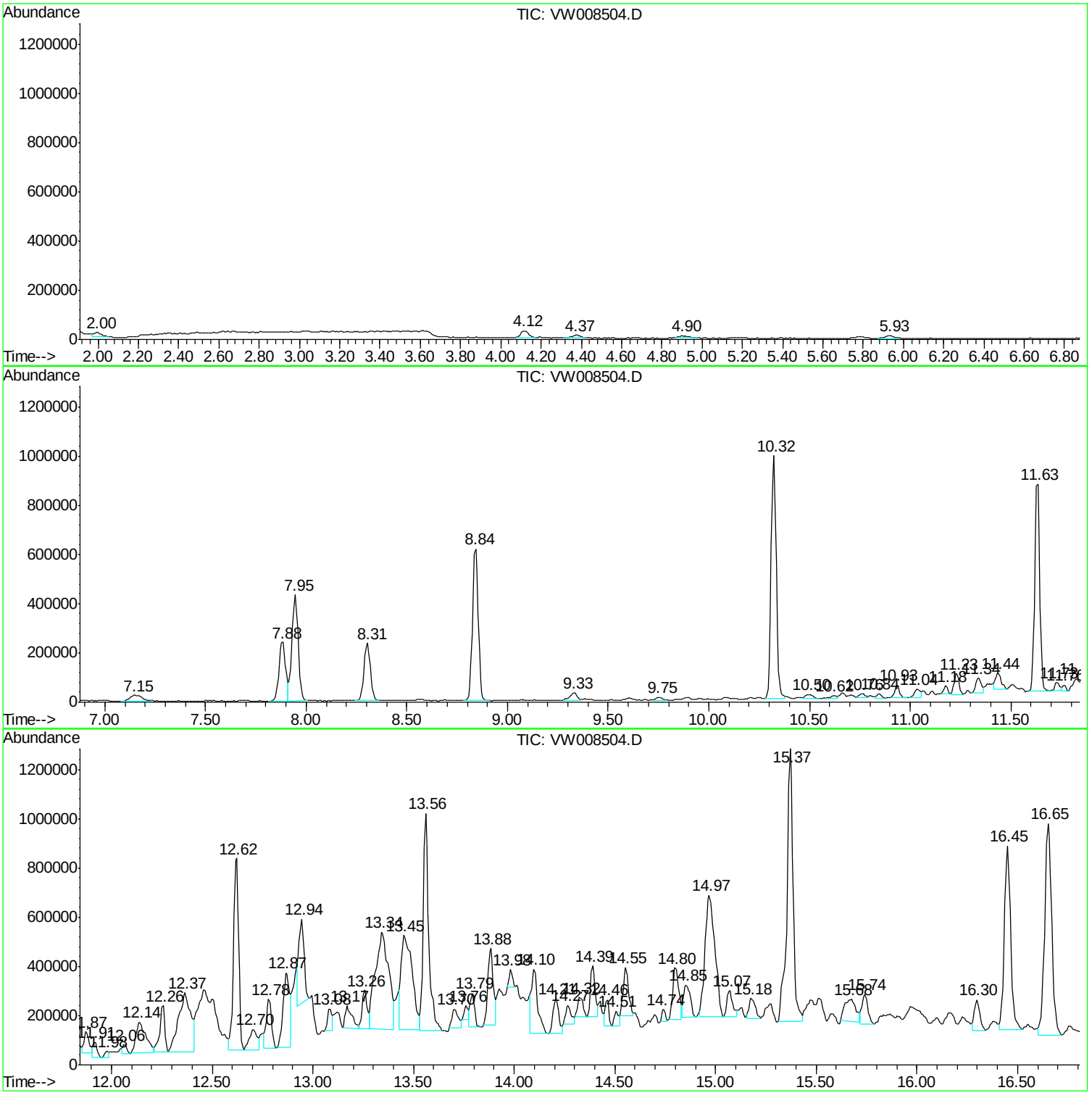
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0041-FIELD-DUP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.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\VW020419\
Data File : VW008504.D
Acq On : 04 Feb 2019 16:22
Operator : SY/VA
Sample : K1299-04
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

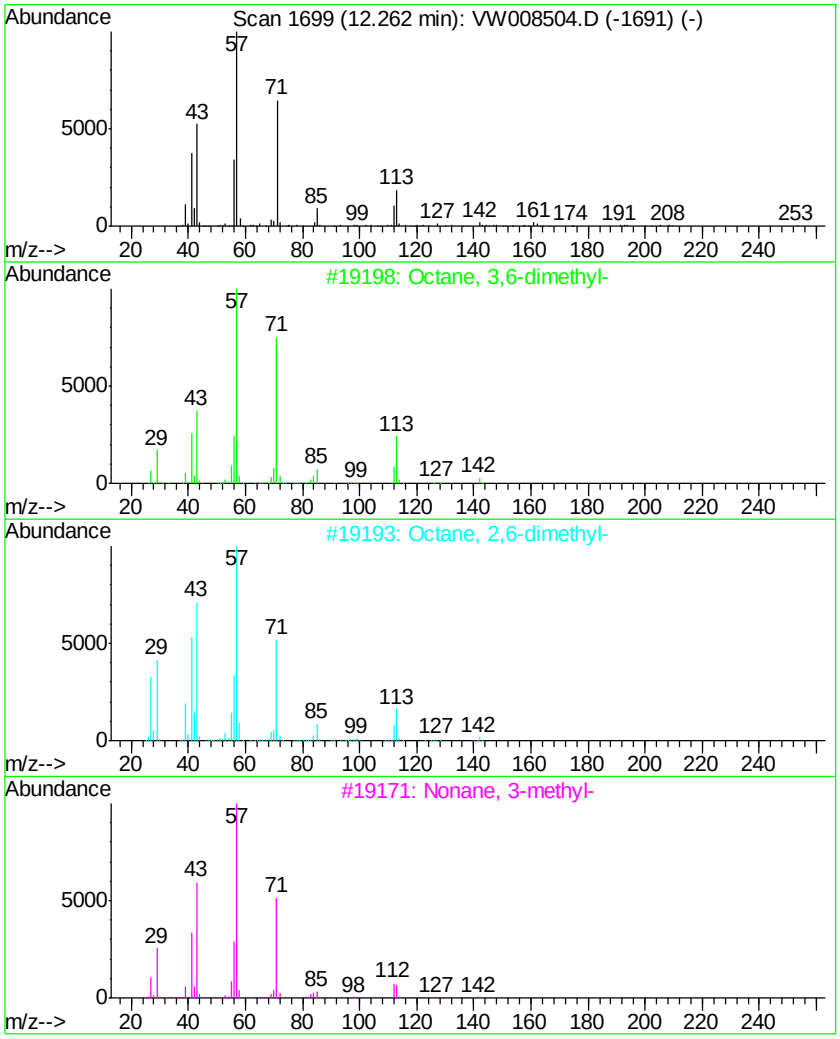
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

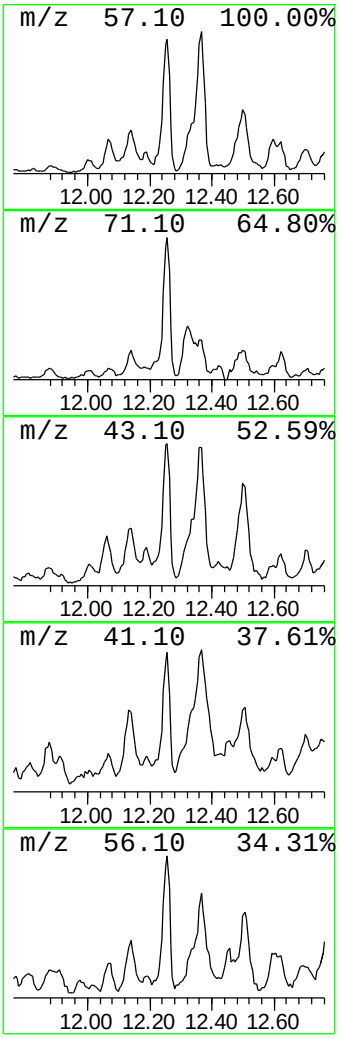
****

Peak Number 1 Octane, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	11.13 ug/l	324998	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020419\
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Sample : K1299-04
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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0041-FIELD-DUP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

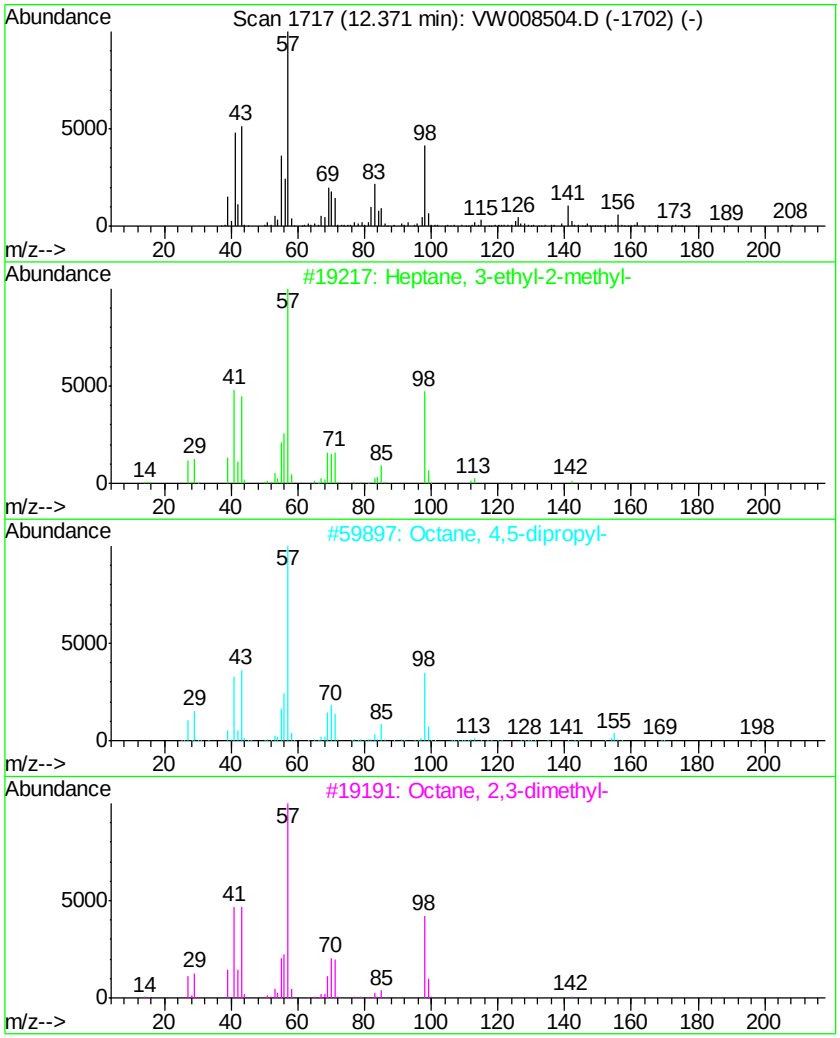
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

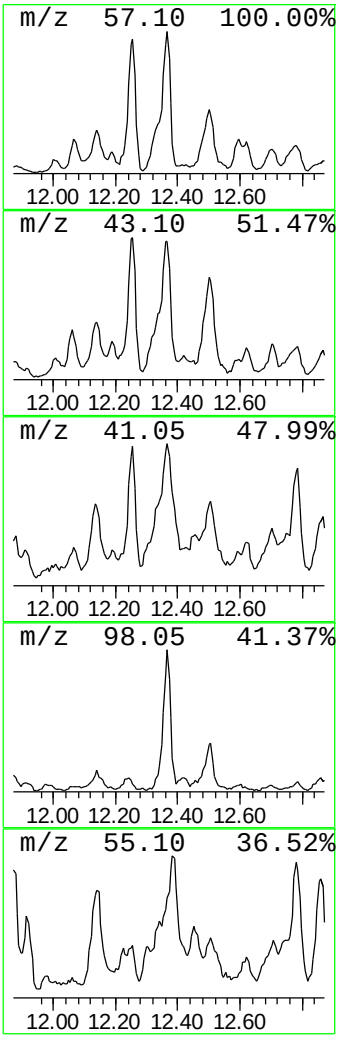
****

Peak Number 2 Heptane, 3-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	35.06 ug/l	1023550	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2	Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	72
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	58
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	53
5	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	50





Library Search Compound Report

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Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0041-FIELD-DUP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

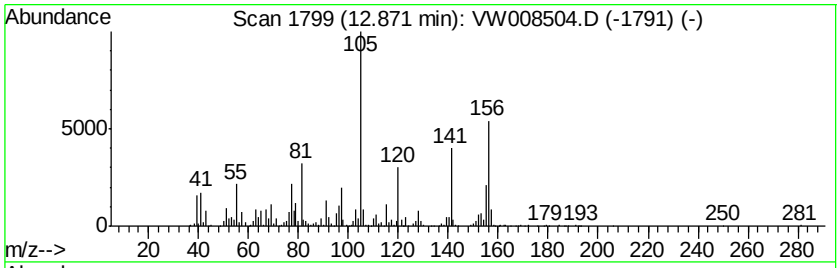
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

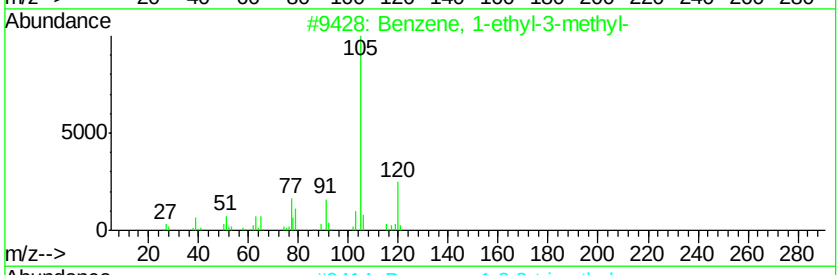
****

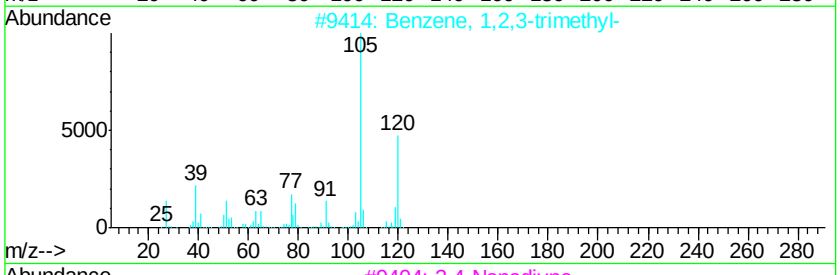
Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

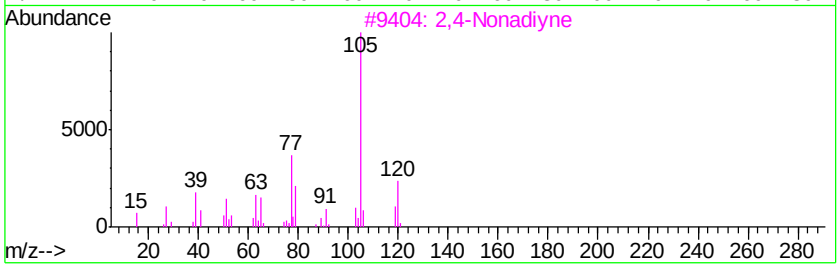
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	21.51 ug/l	718980	1,4-Dichlorobenzene-d4	13.56

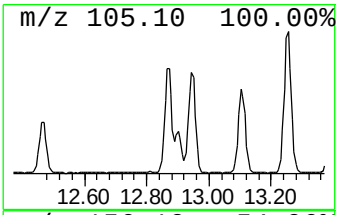
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	47
3	2,4-Nonadiyne	120	C9H12	063621-15-8	35
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	35
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	35

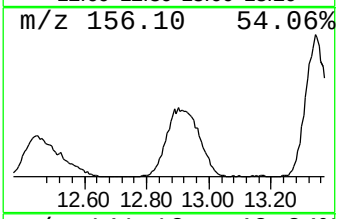


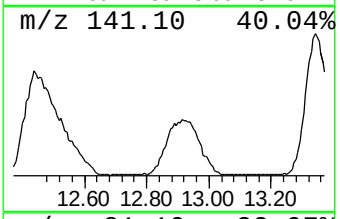


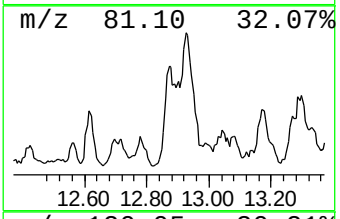


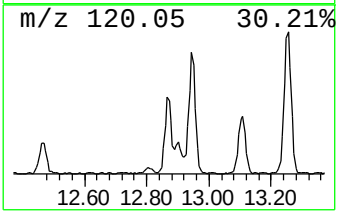












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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

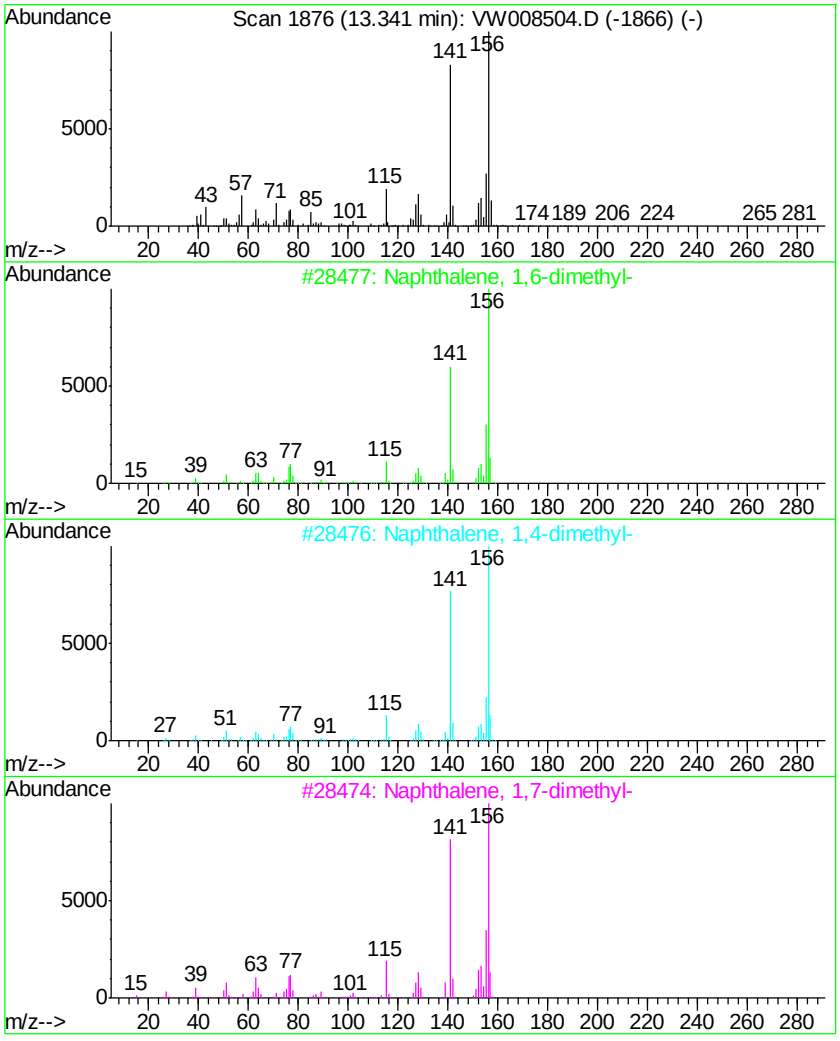
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

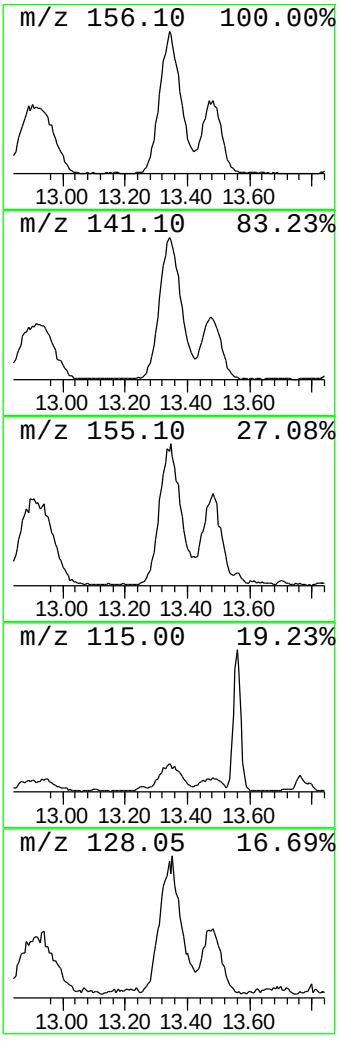
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	54.68 ug/l	1828230	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0041-FIELD-DUP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

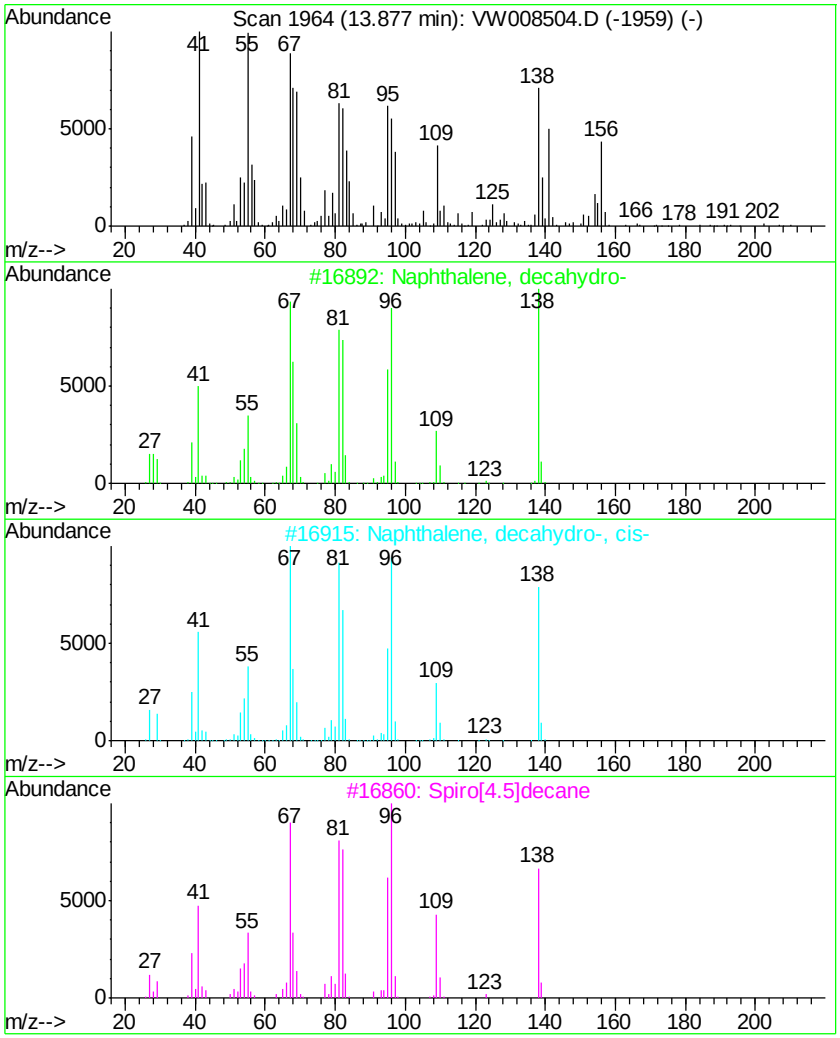
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

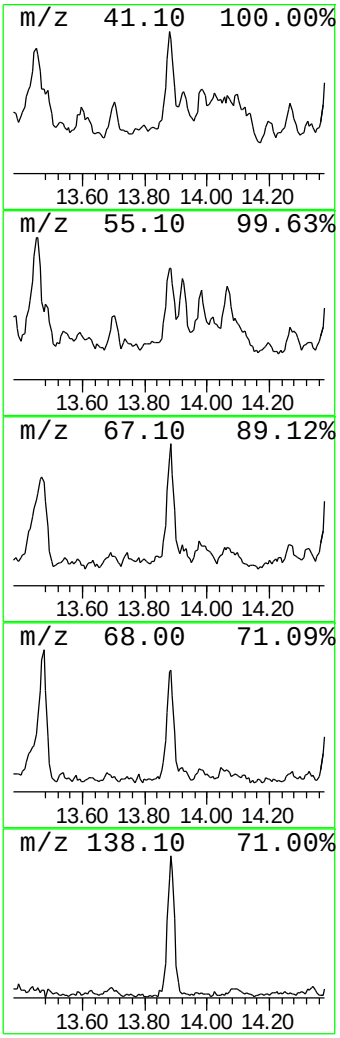
****

Peak Number 5 Naphthalene, decahydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	18.44 ug/l	616522	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	92
2	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
3	Spiro[4.5]decane	138	C10H18	000176-63-6	64
4	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	60
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020419\
Data File : VW008504.D
Acq On : 04 Feb 2019 16:22
Operator : SY/VA
Sample : K1299-04
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0041-FIELD-DUP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

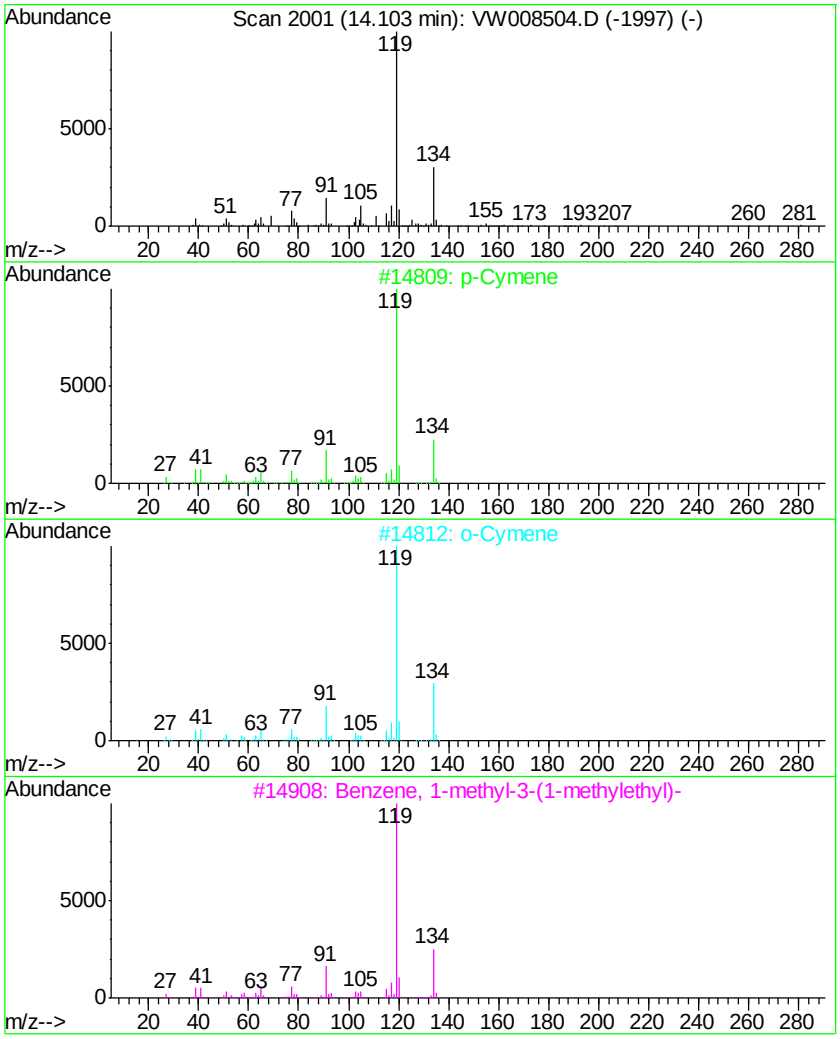
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

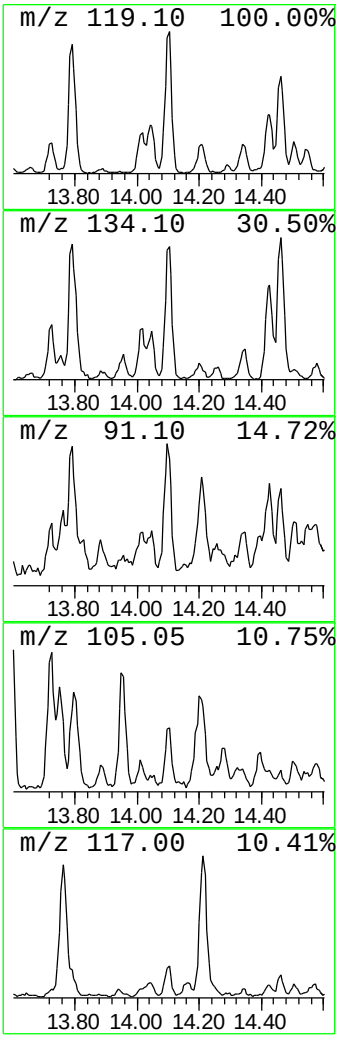
****

Peak Number 6 p-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	16.91 ug/l	565273	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008504.D
Acq On : 04 Feb 2019 16:22
Operator : SY/VA
Sample : K1299-04
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0041-FIELD-DUP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

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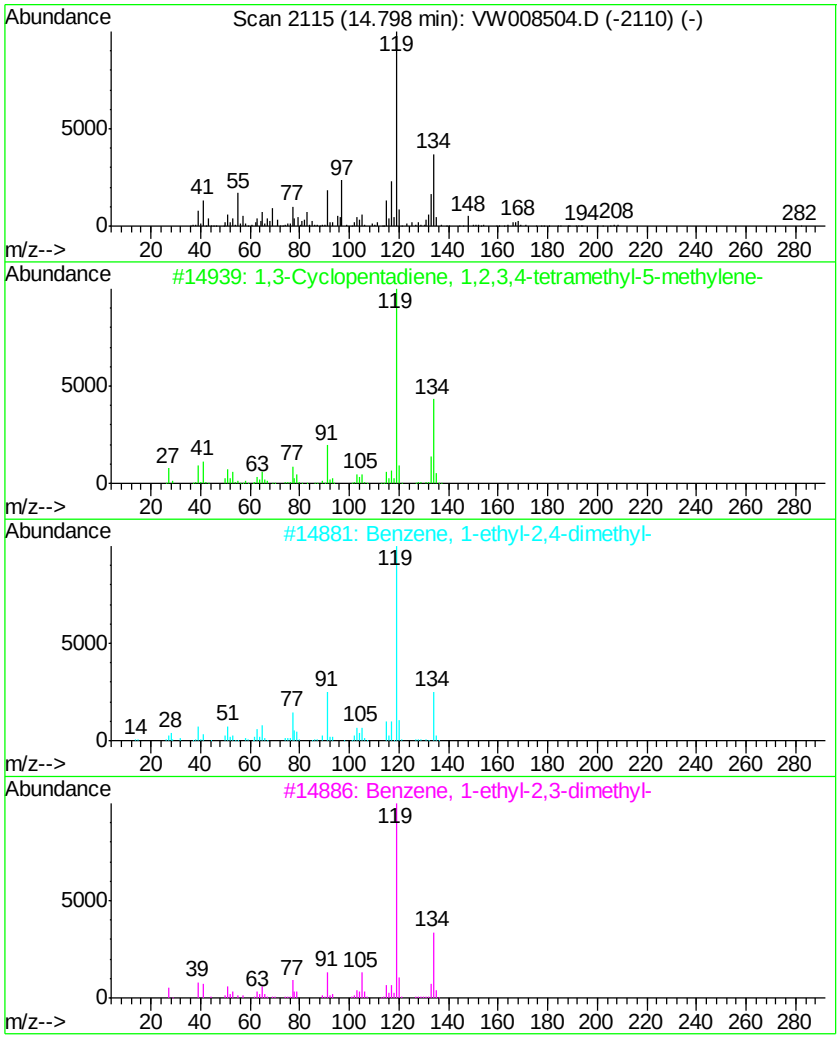
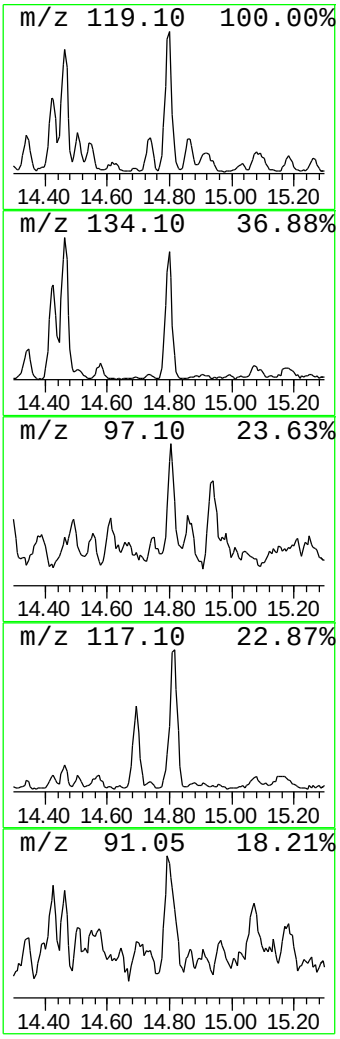
Peak Number 7 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	13.10 ug/l	438128	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008504.D
Acq On : 04 Feb 2019 16:22
Operator : SY/VA
Sample : K1299-04
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0041-FIELD-DUP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

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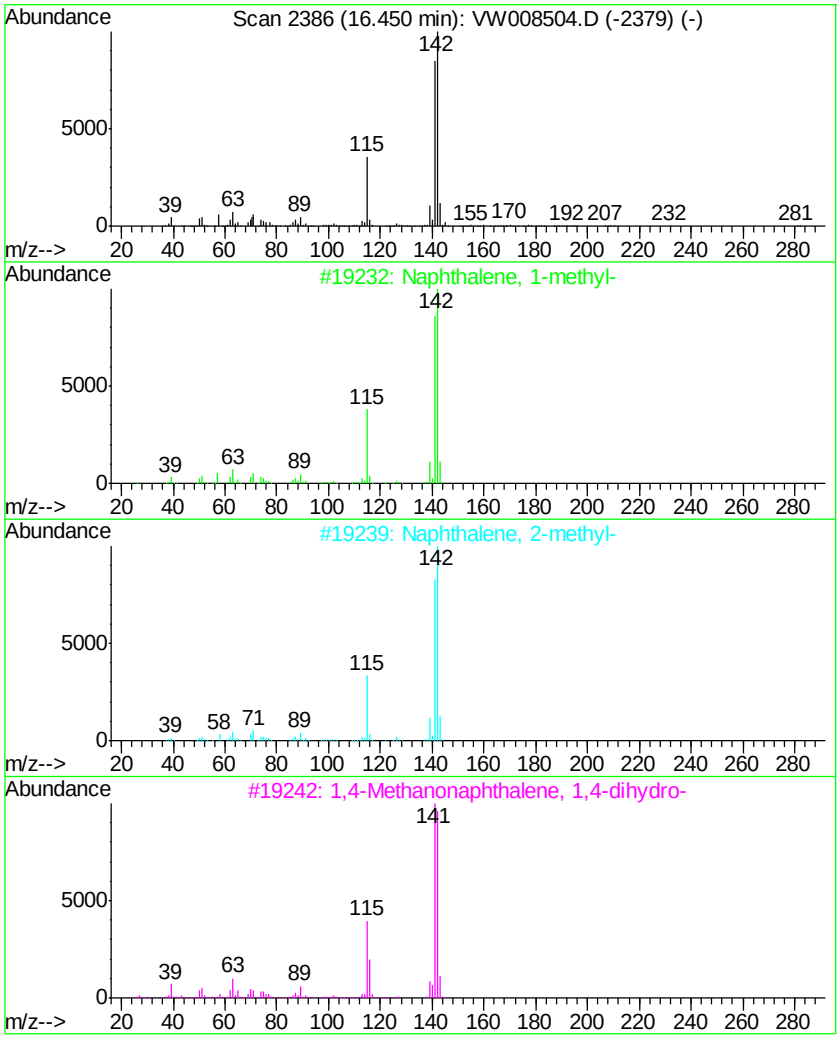
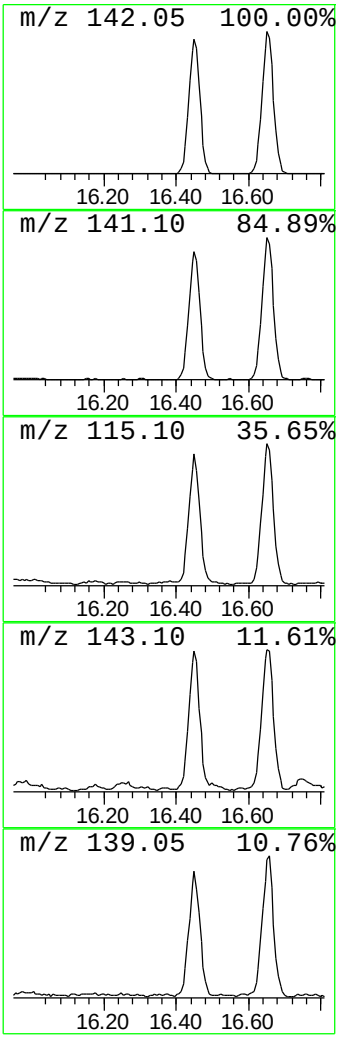
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	48.26 ug/l	1613450	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020419\
Data File : VW008504.D
Acq On : 04 Feb 2019 16:22
Operator : SY/VA
Sample : K1299-04
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0041-FIELD-DUP

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.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
Octane, 3,6-dimet...	12.26	11.1	ug/l	324998	3	11.63	1459870	50.0
Heptane, 3-ethyl-...	12.37	35.1	ug/l	1023550	3	11.63	1459870	50.0
Benzene, 1-ethyl-...	12.87	21.5	ug/l	718980	4	13.56	1671620	50.0
Naphthalene, 1,6-...	13.34	54.7	ug/l	1828230	4	13.56	1671620	50.0
Naphthalene, deca...	13.88	18.4	ug/l	616522	4	13.56	1671620	50.0
p-Cymene	14.10	16.9	ug/l	565273	4	13.56	1671620	50.0
1,3-Cyclopentadie...	14.80	13.1	ug/l	438128	4	13.56	1671620	50.0
Naphthalene, 1-me...	16.45	48.3	ug/l	1613450	4	13.56	1671620	50.0