LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008503.D
Acq On : 04 Feb 2019 15:55
Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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	7.878	969	980	985	rBV	262460	623287	3.84%	0.989%
2	7.946	985	991	1001	rVB	456026	1020293	6.29%	1.619%
3	8.299	1037	1049	1061	rBV	267928	592585	3.65%	0.940%
4	8.842	1129	1138	1148	rBV	682794	1349551	8.32%	2.141%
5	10.323	1373	1381	1389	rBV	1098706	1981701	12.22%	3.144%
6	11.232	1525	1530	1535	rVB	118393	201527	1.24%	0.320%
7	11.433	1552	1563	1571	rVB4	75639	189730	1.17%	0.301%
8	11.628	1589	1595	1606	rVB	943009	1632355	10.06%	2.590%
9	11.731	1606	1612	1621	rBV	322398	558731	3.44%	0.887%
10	11.835	1621	1629	1633	rBV	346336	657915	4.06%	1.044%
11	12.164	1672	1683	1690	rBV2	383978	876649	5.40%	1.391%
12	12.250	1693	1697	1702	rVB	146397	238295	1.47%	0.378%
13	12.365	1702	1716	1723	rBV5	218510	931147	5.74%	1.478%
14	12.463	1728	1732	1737	rVV	199342	328324	2.02%	0.521%
15	12.622	1752	1758	1764	rBV	816671	1334603	8.23%	2.118%
16	12.780	1780	1784	1791	rVB3	171114	310243	1.91%	0.492%
17	12.865	1791	1798	1802	rBV	930098	1684489	10.38%	2.673%
18	12.902	1802	1804	1807	rVV	329885	498477	3.07%	0.791%
19	12.945	1807	1811	1817	rVB	524711	931579	5.74%	1.478%
20	13.109	1830	1838	1844	rBV	264503	581901	3.59%	0.923%
21	13.170	1844	1848	1855	rVB	115445	175458	1.08%	0.278%
22	13.256	1856	1862	1866	rBV	814955	1308445	8.07%	2.076%
23	13.347	1866	1877	1886	rVB5	223164	856267	5.28%	1.359%
24	13.451	1888	1894	1898	rBV3	330427	733742	4.52%	1.164%
25	13.560	1907	1912	1921	rVB2	957109	2005324	12.36%	3.182%
26	13.719	1931	1938	1941	rBV2	165205	356996	2.20%	0.566%
27	13.762	1941	1945	1948	rVV	489406	802527	4.95%	1.273%
28	13.792	1948	1950	1957	rVB2	367489	491337	3.03%	0.780%
29	13.884	1959	1965	1969	rBV4	277341	539256	3.32%	0.856%
30	13.938	1969	1974	1979	rBV	508229	879404	5.42%	1.395%
31	14.097	1996	2000	2005	rVB	431962	683223	4.21%	1.084%
32	14.213	2013	2019	2023	rBV	379962	666700	4.11%	1.058%
33	14.335	2034	2039	2043	rBV5	93981	190298	1.17%	0.302%
34	14.390	2044	2048	2051	rBV2	206355	306914	1.89%	0.487%

LSC Area Percent Report

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Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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

35	14.463	2056	2060	2064	rVB	221012	316000	1.95%	0.501%
36	14.554	2070	2075	2081	rBV6	205778	407183	2.51%	0.646%
37	14.694	2094	2098	2102	rBV	153569	216497	1.33%	0.344%
38	14.804	2110	2116	2121	rBV3	379634	853171	5.26%	1.354%
39	14.871	2121	2127	2133	rVV3	324640	683418	4.21%	1.084%
40	14.963	2135	2142	2153	rVB2	848658	1921772	11.85%	3.049%
41	15.066	2154	2159	2165	rBV3	225424	442367	2.73%	0.702%
42	15.182	2174	2178	2185	rVB3	122851	246654	1.52%	0.391%
43	15.371	2199	2209	2218	rBV	9181278	16220932	100.00%	25.739%
44	15.475	2220	2226	2230	rBV3	144720	310659	1.92%	0.493%
45	15.664	2249	2257	2265	rBV10	114674	461450	2.84%	0.732%
46	15.743	2266	2270	2277	rVB7	162217	352566	2.17%	0.559%
47	15.981	2302	2309	2313	rBV4	117620	295679	1.82%	0.469%
48	16.298	2357	2361	2369	rVB	121455	223146	1.38%	0.354%
49	16.450	2378	2386	2399	rVB	3490122	7263821	44.78%	11.526%
50	16.651	2411	2419	2430	rVB	2813326	6286642	38.76%	9.975%

Sum of corrected areas: 63021230

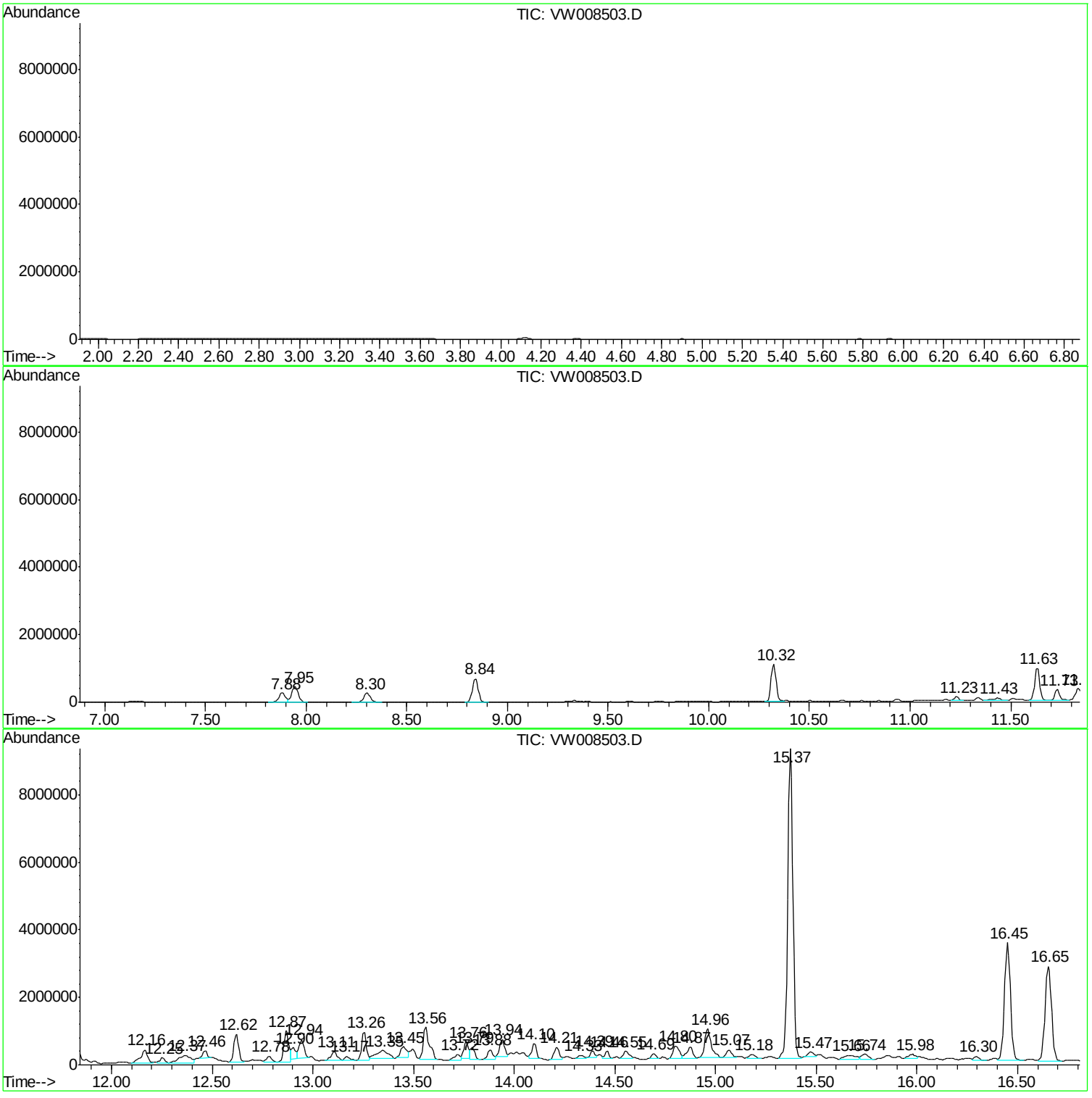
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008503.D
Acq On : 04 Feb 2019 15:55
Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
0037-COMP-3

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 : VW008503.D
Acq On : 04 Feb 2019 15:55
Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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

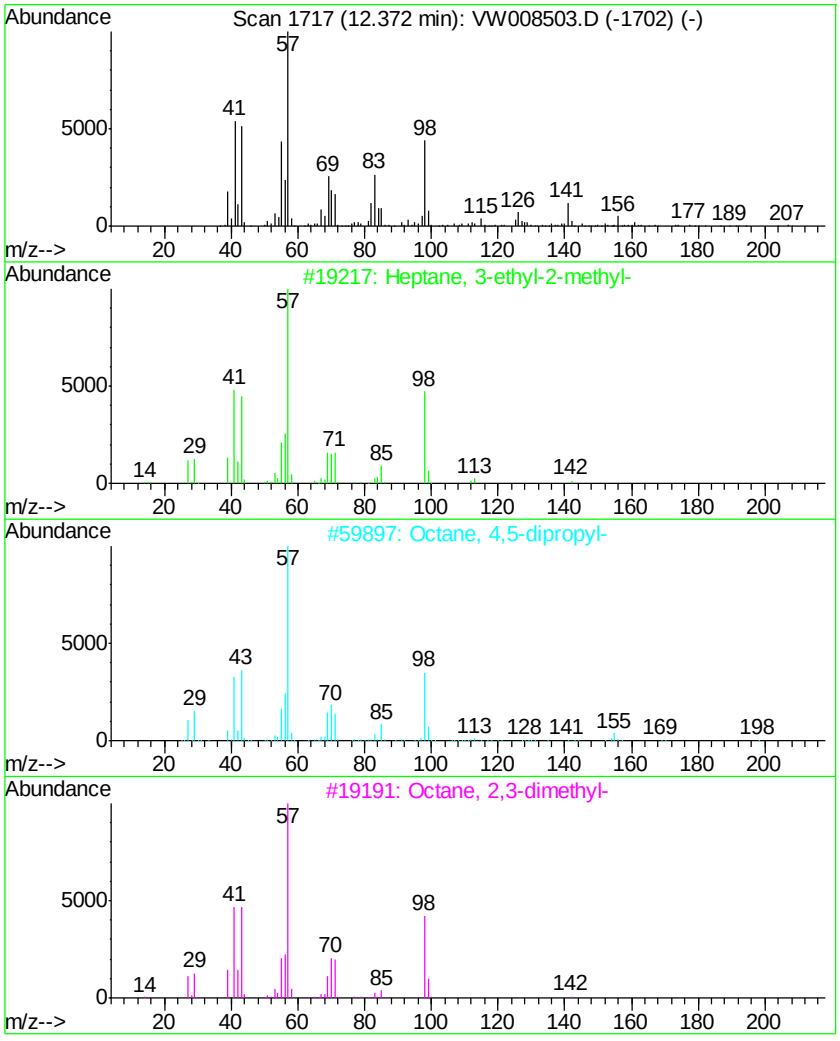
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

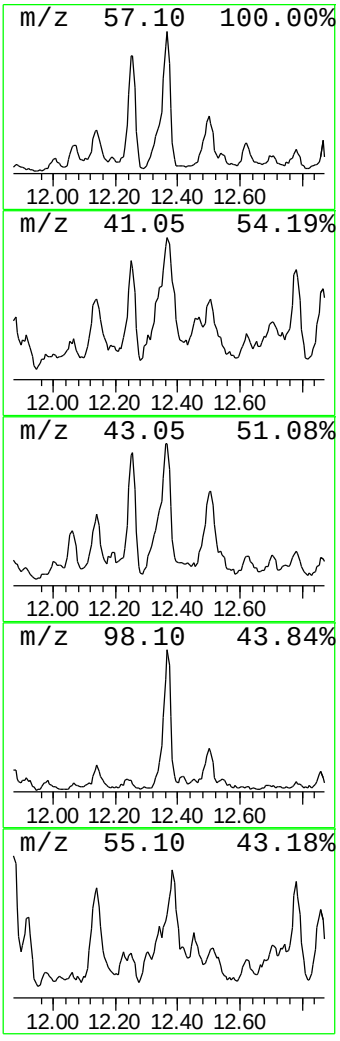
****

Peak Number 1 Heptane, 3-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	28.52 ug/l	931147	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	87
2	Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	72
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	58
4	1,3,2-Dioxaborolane, 4,4-dimethy...	142	C6H11BO3	1000063-89-2	53
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008503.D
Acq On : 04 Feb 2019 15:55
Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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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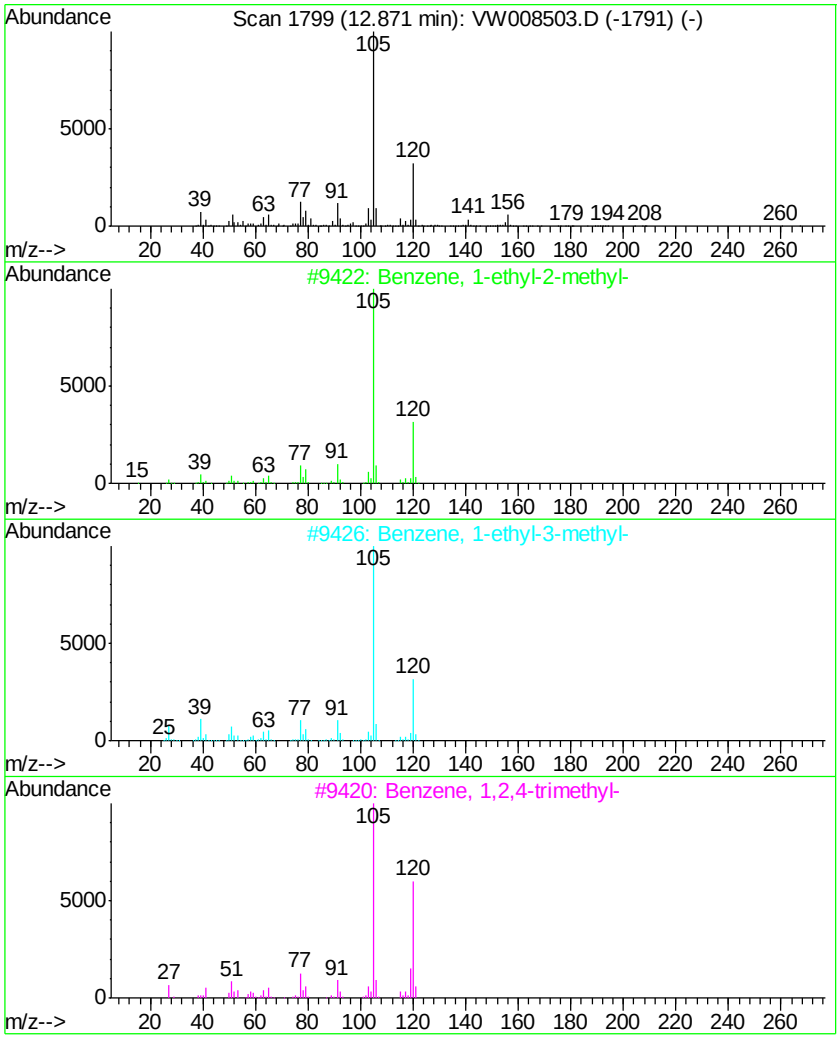
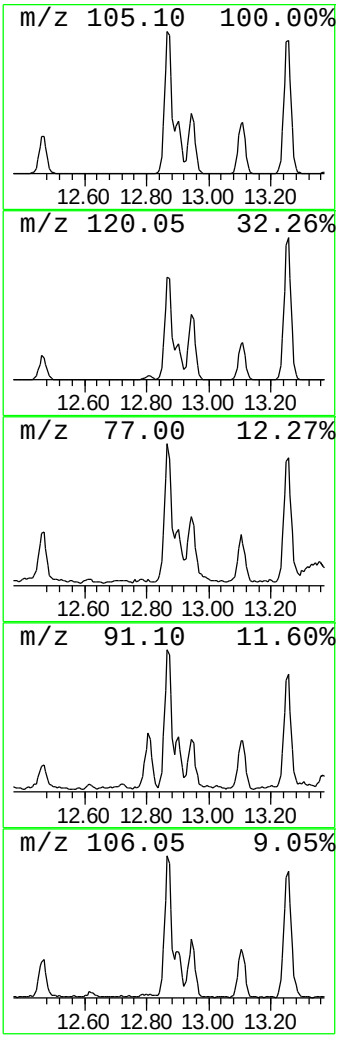
Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	42.00 ug/l	1684490	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
4	Mesitylene	120	C9H12	000108-67-8	87
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020419\
Data File : VW008503.D
Acq On : 04 Feb 2019 15:55
Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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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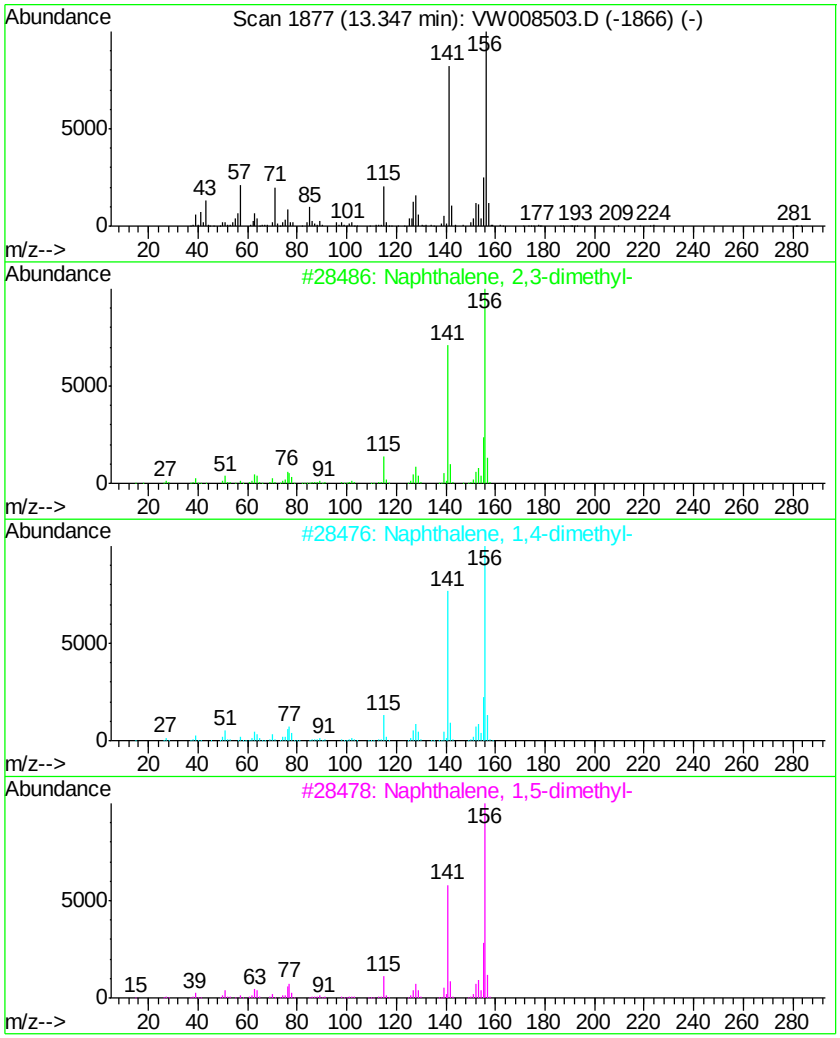
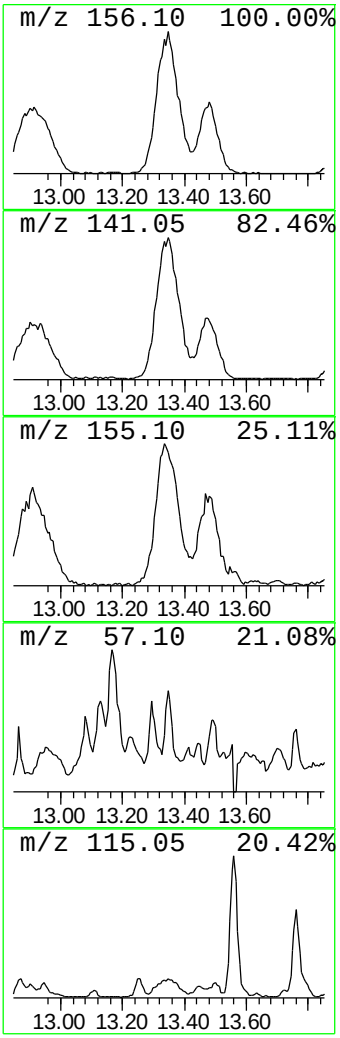
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	21.35 ug/l	856267	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
Data File : VW008503.D
Acq On : 04 Feb 2019 15:55
Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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

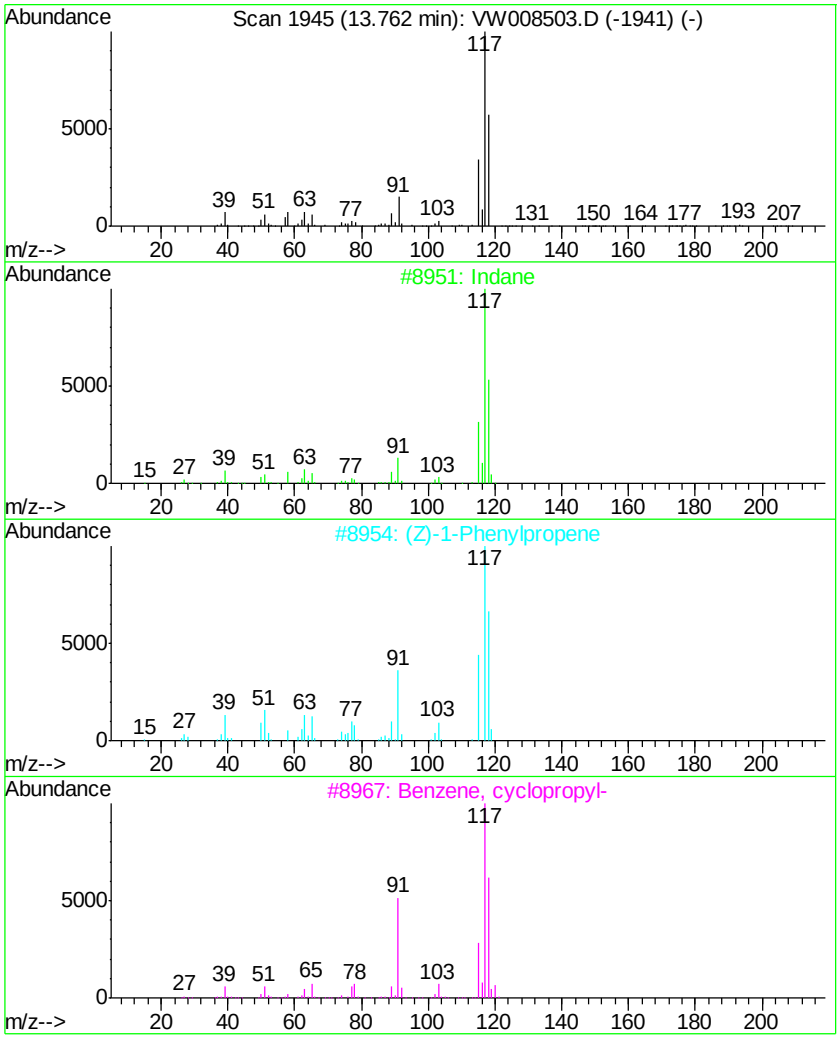
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

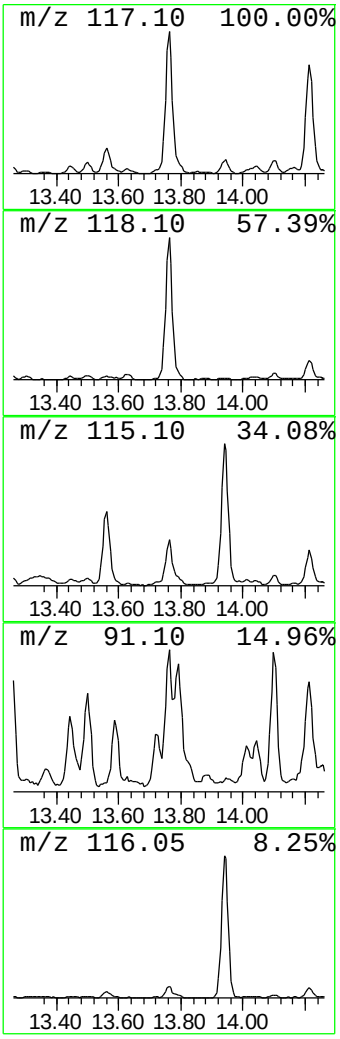
****

Peak Number 4 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	20.01 ug/l	802527	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	1H-Indene-5-carboxylic acid, 2,3...	162	C10H10O2	1000337-61-3	64





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Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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

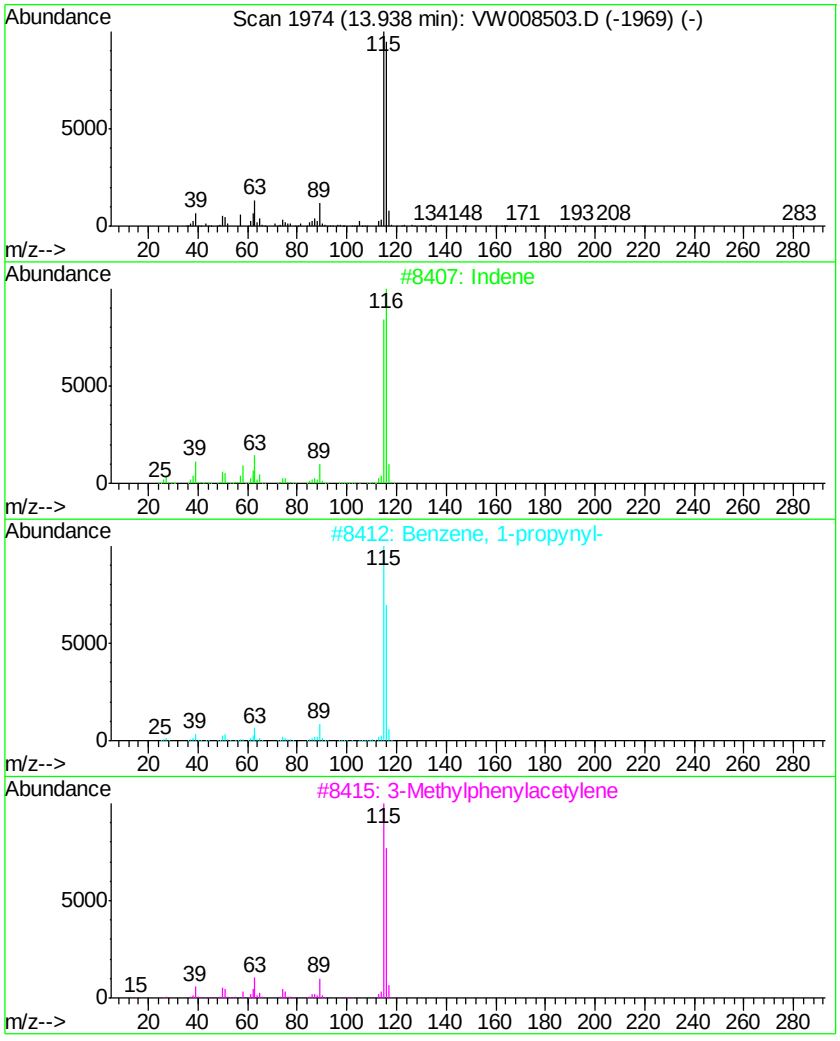
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

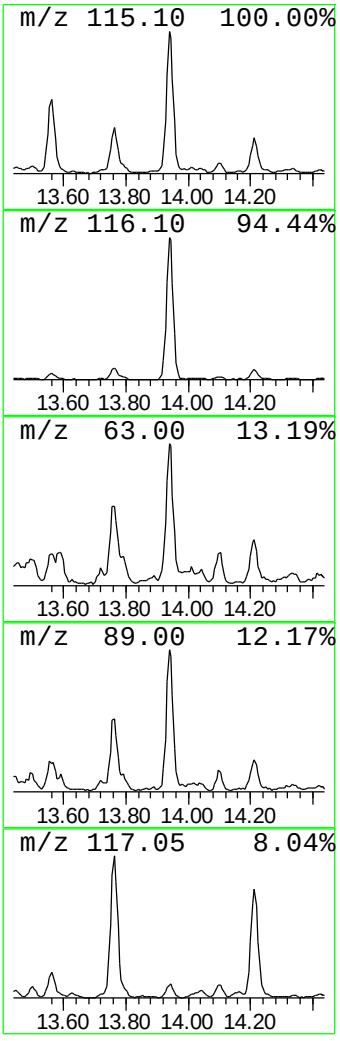
****

Peak Number 5 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	21.93 ug/l	879404	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





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Data File : VW008503.D
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Sample : K1299-03
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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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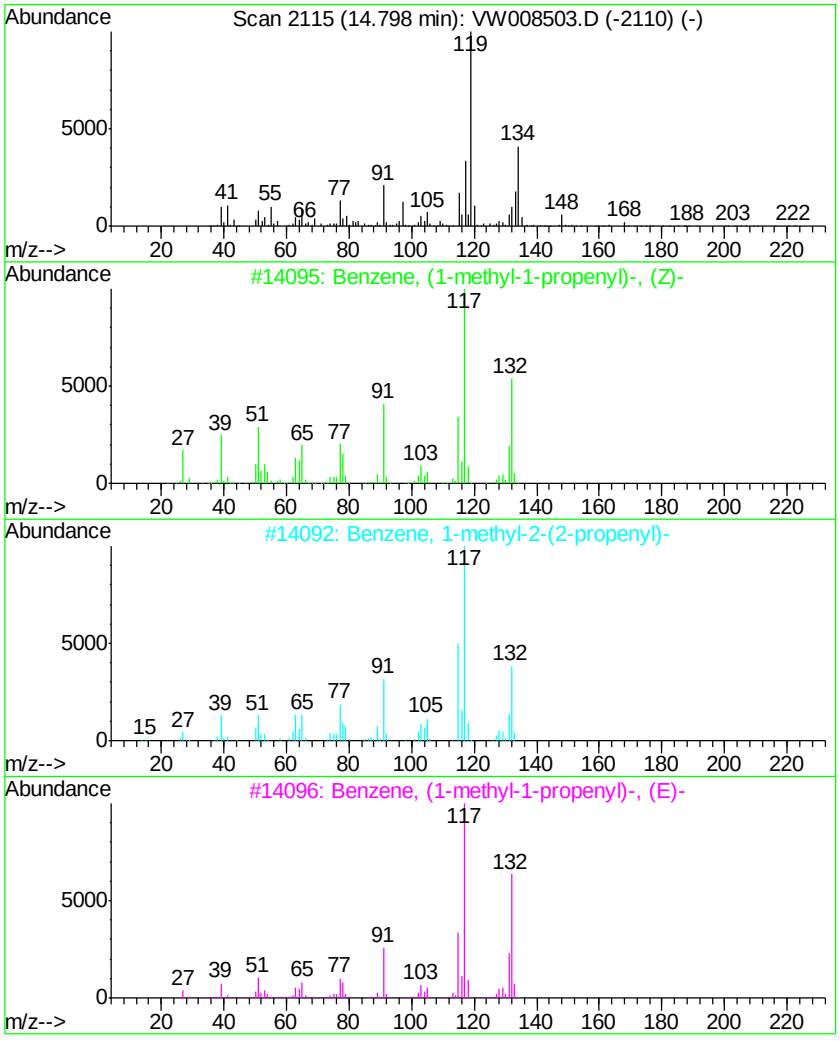
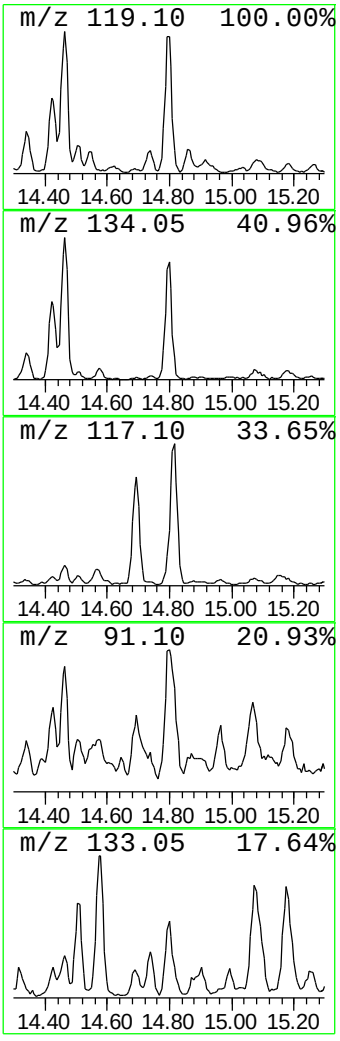
Peak Number 6 Benzene, (1-methyl-1-propen... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	21.27 ug/l	853171	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	89
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020419\
Data File : VW008503.D
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Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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

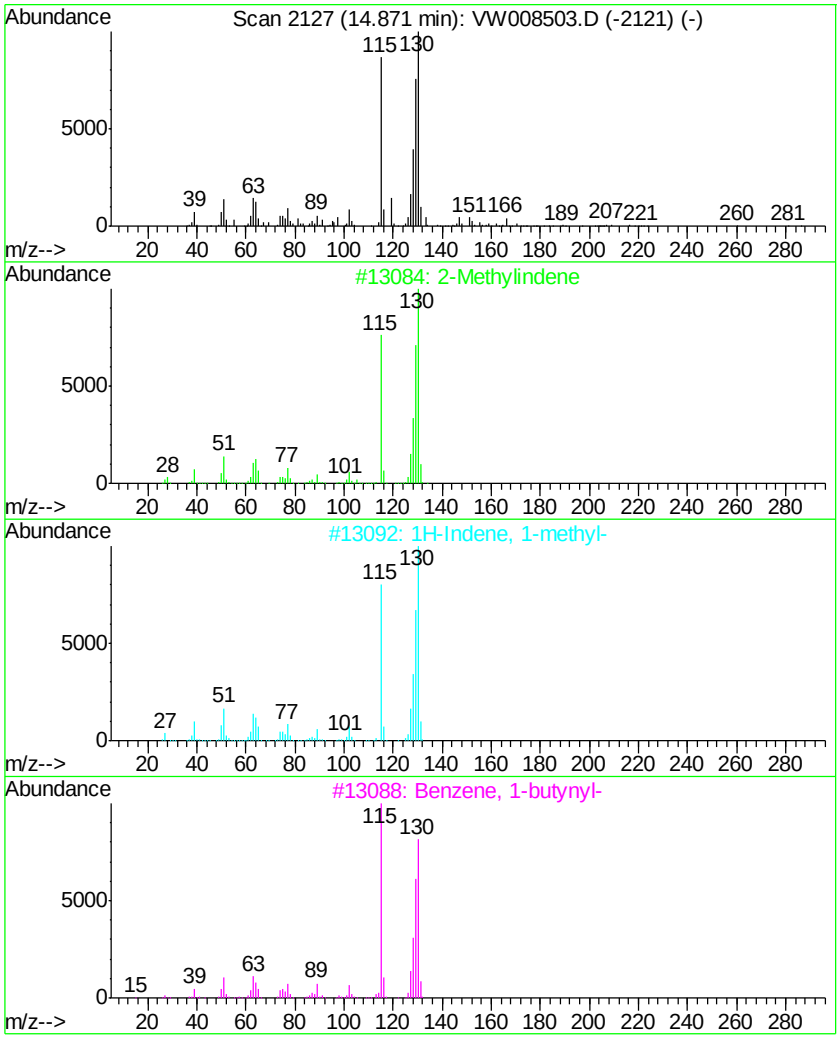
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

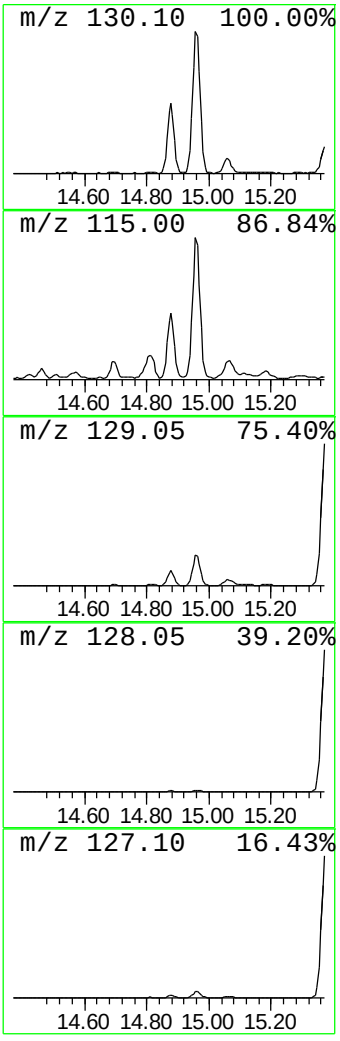
****

Peak Number 7 2-Methylindene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	17.04 ug/l	683418	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020419\
Data File : VW008503.D
Acq On : 04 Feb 2019 15:55
Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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

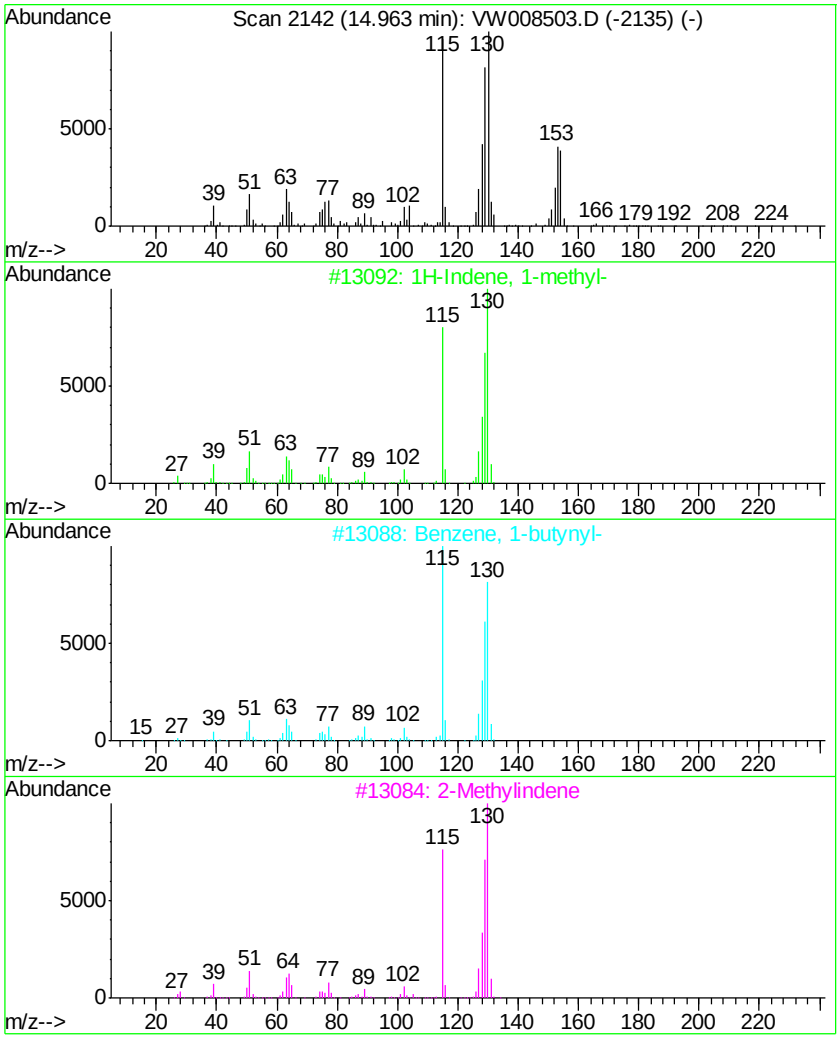
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

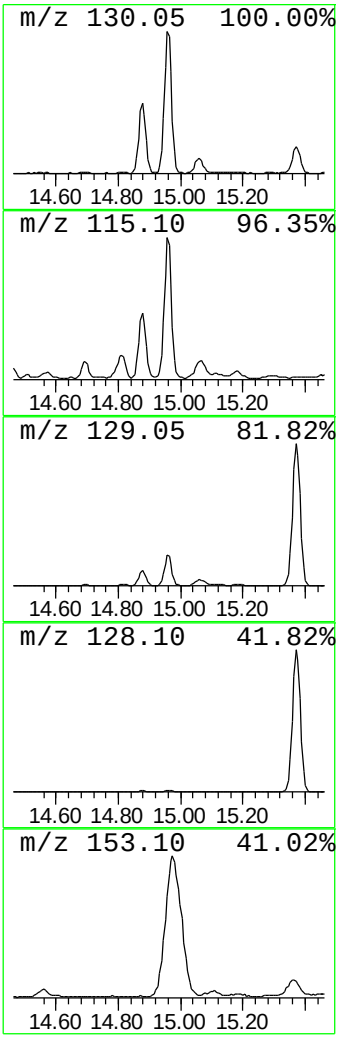
****

Peak Number 8 1H-Indene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	47.92 ug/l	1921770	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	96
3	2-Methylindene	130	C10H10	002177-47-1	96
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020419\
Data File : VW008503.D
Acq On : 04 Feb 2019 15:55
Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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

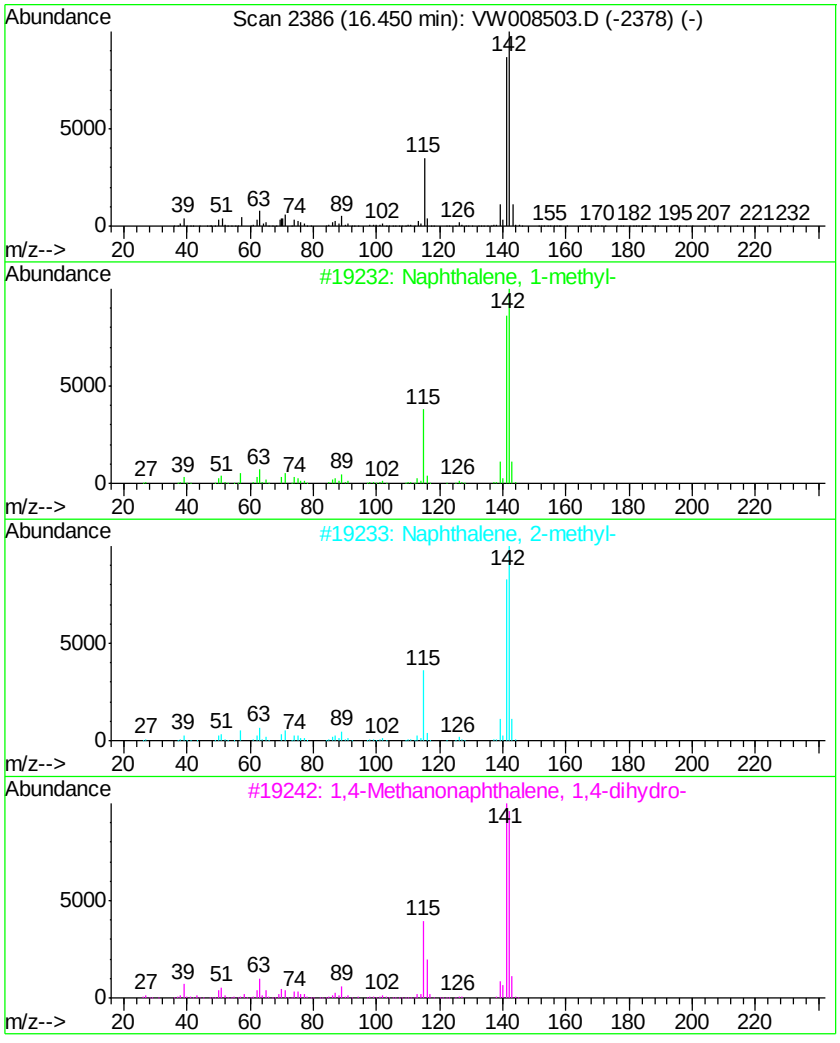
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

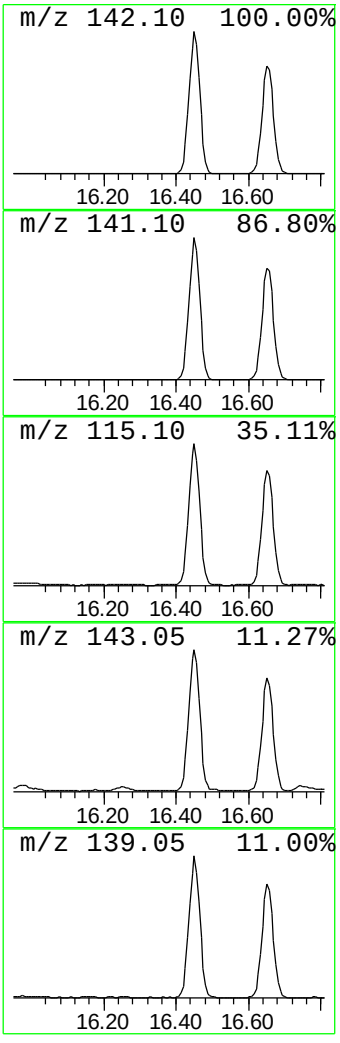
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	181.11 ug/l	7263820	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	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020419\
Data File : VW008503.D
Acq On : 04 Feb 2019 15:55
Operator : SY/VA
Sample : K1299-03
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0037-COMP-3

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
Heptane, 3-ethyl-...	12.37	28.5	ug/l	931147	3	11.63	1632360	50.0
Benzene, 1-ethyl-...	12.87	42.0	ug/l	1684490	4	13.56	2005320	50.0
Naphthalene, 2,3-...	13.35	21.4	ug/l	856267	4	13.56	2005320	50.0
Indane	13.76	20.0	ug/l	802527	4	13.56	2005320	50.0
Indene	13.94	21.9	ug/l	879404	4	13.56	2005320	50.0
Benzene, (1-methy...	14.80	21.3	ug/l	853171	4	13.56	2005320	50.0
2-Methylindene	14.87	17.0	ug/l	683418	4	13.56	2005320	50.0
1H-Indene, 1-methyl-	14.96	47.9	ug/l	1921770	4	13.56	2005320	50.0
Naphthalene, 1-me...	16.45	181.1	ug/l	7263820	4	13.56	2005320	50.0