LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : PR-MW-01_121218

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_X\METHOD\82X112918W.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	1.318	23	27	35	rBV	171407	534575	2.00%	0.225%
2	1.788	100	104	115	rVB	254602	372950	1.39%	0.157%
3	4.397	523	532	545	rVB2	155747	459662	1.72%	0.193%
4	5.501	700	713	722	rBV	359262	1051624	3.93%	0.442%
5	5.665	731	740	766	rVB	643786	2100323	7.85%	0.882%
6	6.067	796	806	814	rBV	378618	990013	3.70%	0.416%
7	6.348	830	852	862	rVB3	154043	631611	2.36%	0.265%
8	6.860	927	936	945	rBV	963802	2278232	8.52%	0.957%
9	7.457	1024	1034	1047	rVB4	124278	336894	1.26%	0.142%
10	8.713	1235	1240	1246	rVB	1979050	2998880	11.21%	1.260%
11	8.787	1246	1252	1258	rVB	1252403	1881959	7.04%	0.791%
12	10.116	1464	1470	1476	rBV	1916041	2661809	9.95%	1.118%
13	10.256	1487	1493	1503	rBV	10593790	14720363	55.03%	6.183%
14	10.359	1504	1510	1527	rVB	18576217	25540379	95.48%	10.728%
15	10.701	1560	1566	1576	rVB	12164705	15394660	57.55%	6.467%
16	11.018	1612	1618	1623	rBV	1569561	1952044	7.30%	0.820%
17	11.140	1632	1638	1642	rBV	1717843	2291712	8.57%	0.963%
18	11.359	1666	1674	1681	rBV	1740620	2114923	7.91%	0.888%
19	11.457	1681	1690	1694	rVV	4679515	8478967	31.70%	3.562%
20	11.506	1694	1698	1707	rVB	8971533	10584157	39.57%	4.446%
21	11.670	1719	1725	1732	rBV	3819288	5008436	18.72%	2.104%
22	11.810	1743	1748	1753	rVB	22195182	26750517	100.00%	11.237%
23	12.024	1779	1783	1787	rBV	693313	806839	3.02%	0.339%
24	12.079	1787	1792	1797	rVB2	2411869	3207788	11.99%	1.347%
25	12.146	1797	1803	1808	rBV	7232649	9369574	35.03%	3.936%
26	12.231	1813	1817	1823	rVB	222408	331837	1.24%	0.139%
27	12.298	1823	1828	1836	rBV2	4709255	7352097	27.48%	3.088%
28	12.371	1836	1840	1847	rVB2	3572884	4743715	17.73%	1.993%
29	12.463	1849	1855	1860	rBV4	561183	886557	3.31%	0.372%
30	12.518	1860	1864	1870	rVB	1234367	1498179	5.60%	0.629%
31	12.585	1870	1875	1877	rBV	1844560	2272061	8.49%	0.954%
32	12.609	1877	1879	1884	rVB	1790203	1852711	6.93%	0.778%
33	12.670	1884	1889	1892	rBV	2691023	3186661	11.91%	1.339%
34	12.700	1892	1894	1898	rVB	381897	383612	1.43%	0.161%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : PR-MW-01_121218

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_X\METHOD\82X112918W.M
Title : SW846 8260

35	12.755	1898	1903	1911	rBV4	1566330	2949908	11.03%	1.239%
36	12.853	1915	1919	1921	rBV2	269008	342393	1.28%	0.144%
37	12.902	1923	1927	1931	rVB2	1294751	1693818	6.33%	0.711%
38	12.975	1931	1939	1943	rBV	2407851	3320103	12.41%	1.395%
39	13.017	1943	1946	1953	rVB	4073309	4892904	18.29%	2.055%
40	13.097	1953	1959	1962	rBV4	422877	867970	3.24%	0.365%
41	13.194	1971	1975	1977	rBV2	378442	468480	1.75%	0.197%
42	13.225	1977	1980	1983	rVV	1020215	1162988	4.35%	0.489%
43	13.267	1983	1987	1990	rVB3	242858	325757	1.22%	0.137%
44	13.310	1990	1994	1996	rBV2	484921	771363	2.88%	0.324%
45	13.347	1996	2000	2005	rVB2	5733695	7928507	29.64%	3.330%
46	13.481	2017	2022	2031	rVB	2696916	3665073	13.70%	1.540%
47	13.560	2031	2035	2038	rBV3	296295	442337	1.65%	0.186%
48	13.603	2038	2042	2044	rBV	343216	438872	1.64%	0.184%
49	13.639	2044	2048	2054	rVV4	882664	1756352	6.57%	0.738%
50	13.700	2054	2058	2059	rVV	391743	514972	1.93%	0.216%
51	13.725	2059	2062	2066	rVB2	711755	1087624	4.07%	0.457%
52	13.834	2071	2080	2087	rVB	7539729	9851193	36.83%	4.138%
53	13.908	2087	2092	2097	rVB3	694709	1191369	4.45%	0.500%
54	13.987	2097	2105	2109	rBV2	914913	1369750	5.12%	0.575%
55	14.029	2109	2112	2116	rBV2	293476	444656	1.66%	0.187%
56	14.133	2125	2129	2132	rBV3	411812	547051	2.05%	0.230%
57	14.286	2148	2154	2159	rVB2	1200277	2150900	8.04%	0.903%
58	14.377	2165	2169	2174	rBV	463397	560475	2.10%	0.235%
59	14.432	2174	2178	2182	rVV	441545	523330	1.96%	0.220%
60	14.475	2182	2185	2191	rVB3	235190	359294	1.34%	0.151%
61	14.542	2191	2196	2205	rBV2	1236348	1971845	7.37%	0.828%
62	14.694	2214	2221	2225	rBV	5381438	7244386	27.08%	3.043%
63	14.731	2225	2227	2231	rVB2	369464	407186	1.52%	0.171%
64	14.840	2238	2245	2249	rVV	4631352	5954344	22.26%	2.501%
65	15.249	2306	2312	2313	rBV2	352406	498432	1.86%	0.209%
66	15.273	2313	2316	2320	rVB	460281	613863	2.29%	0.258%
67	15.444	2340	2344	2347	rBV	266856	365270	1.37%	0.153%
68	15.547	2356	2361	2367	rBV	928991	1433425	5.36%	0.602%
69	15.688	2378	2384	2387	rBV	1274985	1986357	7.43%	0.834%
70	15.724	2387	2390	2398	rVB	1050545	1542938	5.77%	0.648%
71	15.919	2412	2422	2433	rVB2	327267	1003459	3.75%	0.422%

LSC Area Percent Report

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Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : PR-MW-01_121218

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_X\METHOD\82X112918W.M
Title : SW846 8260

72	16.072	2442	2447	2458	rVB2	180623	389580	1.46%	0.164%

Sum of corrected areas: 238064845

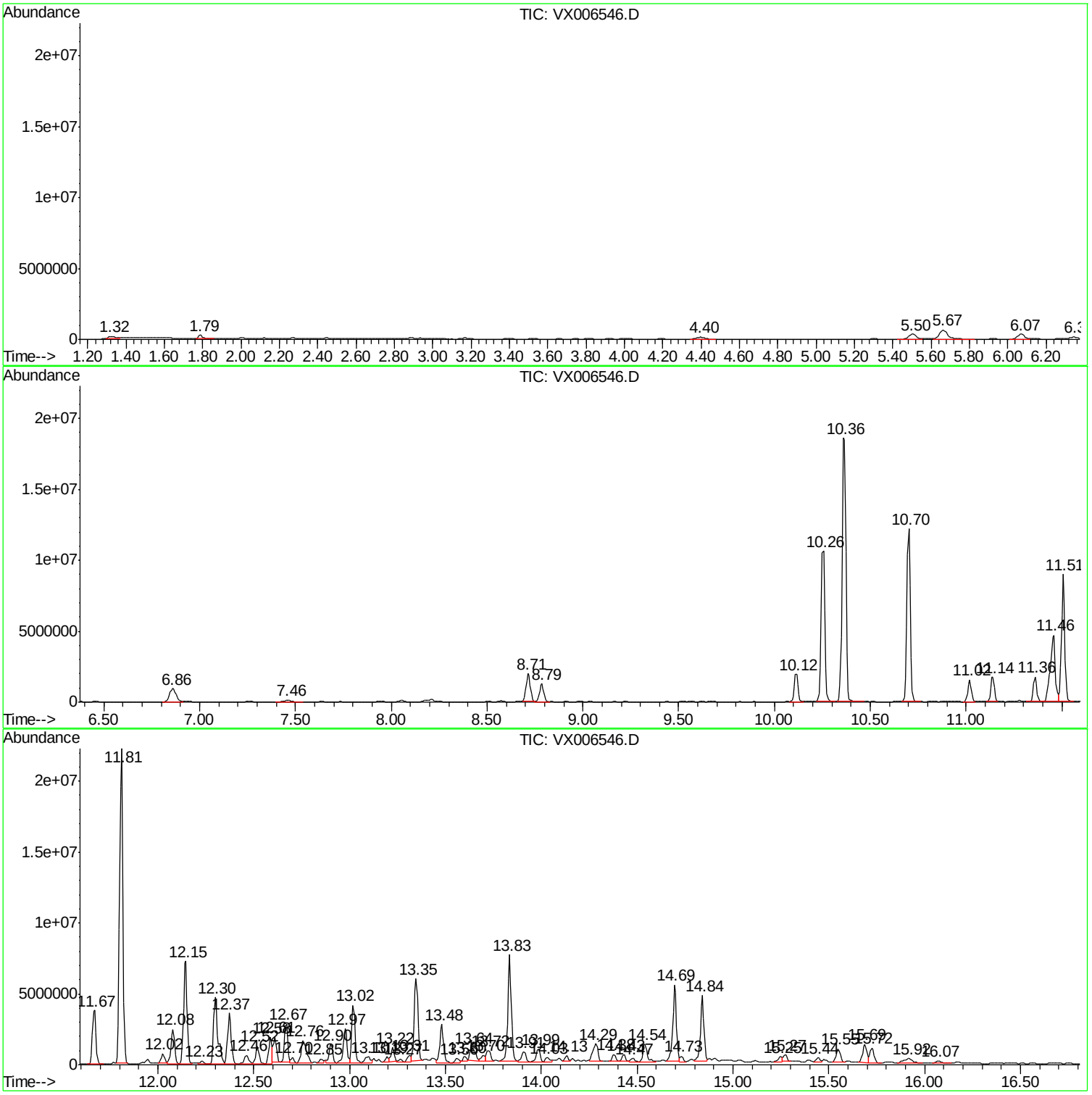
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-01_121218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.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_X\DATA\VX121418\
Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : PR-MW-01_121218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

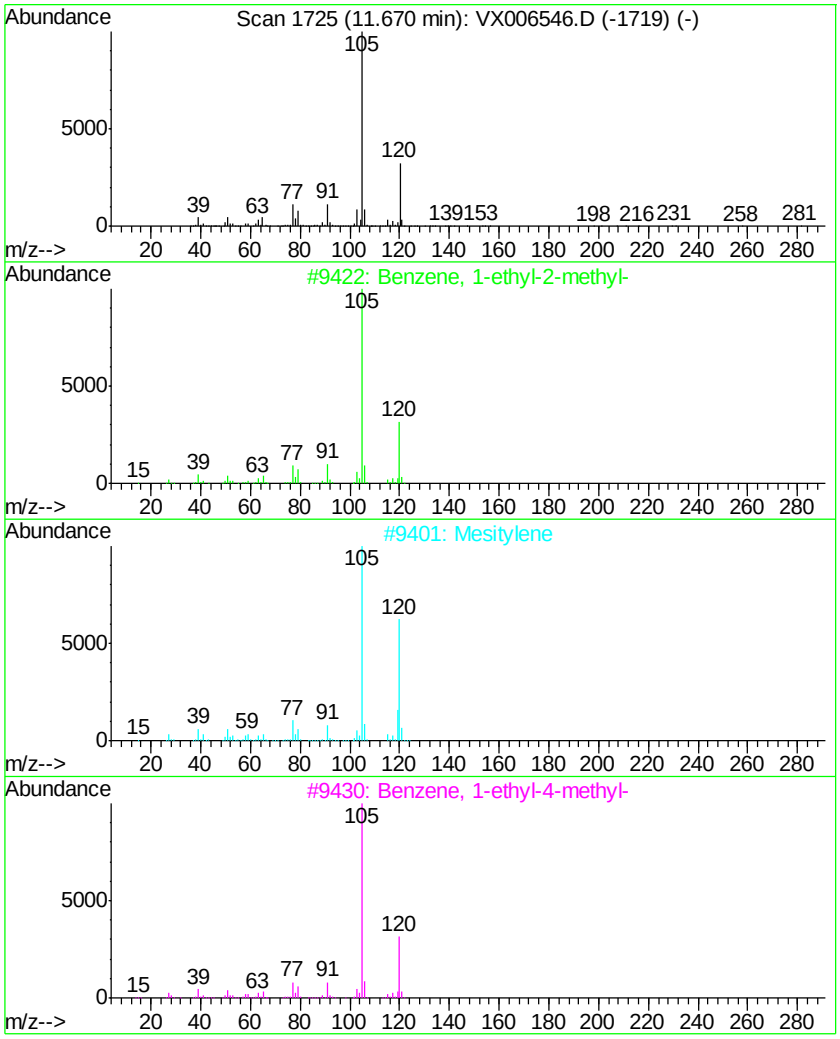
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

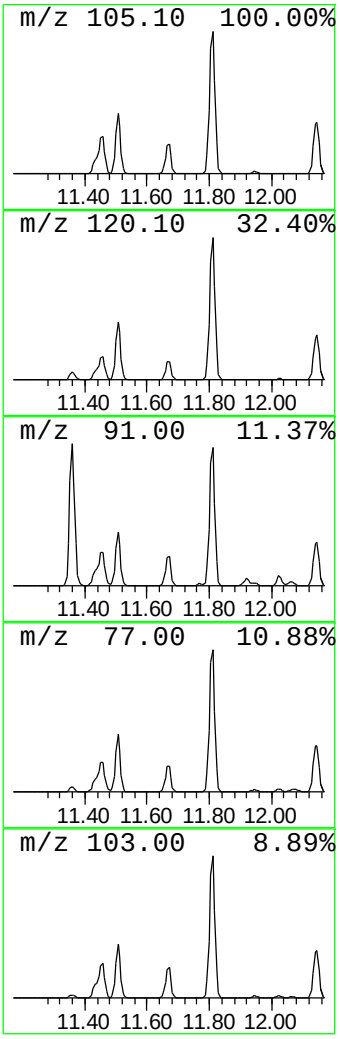
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	78.07 ug/l	5008440	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Mesitylene	120	C9H12	000108-67-8	90
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : PR-MW-01_121218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

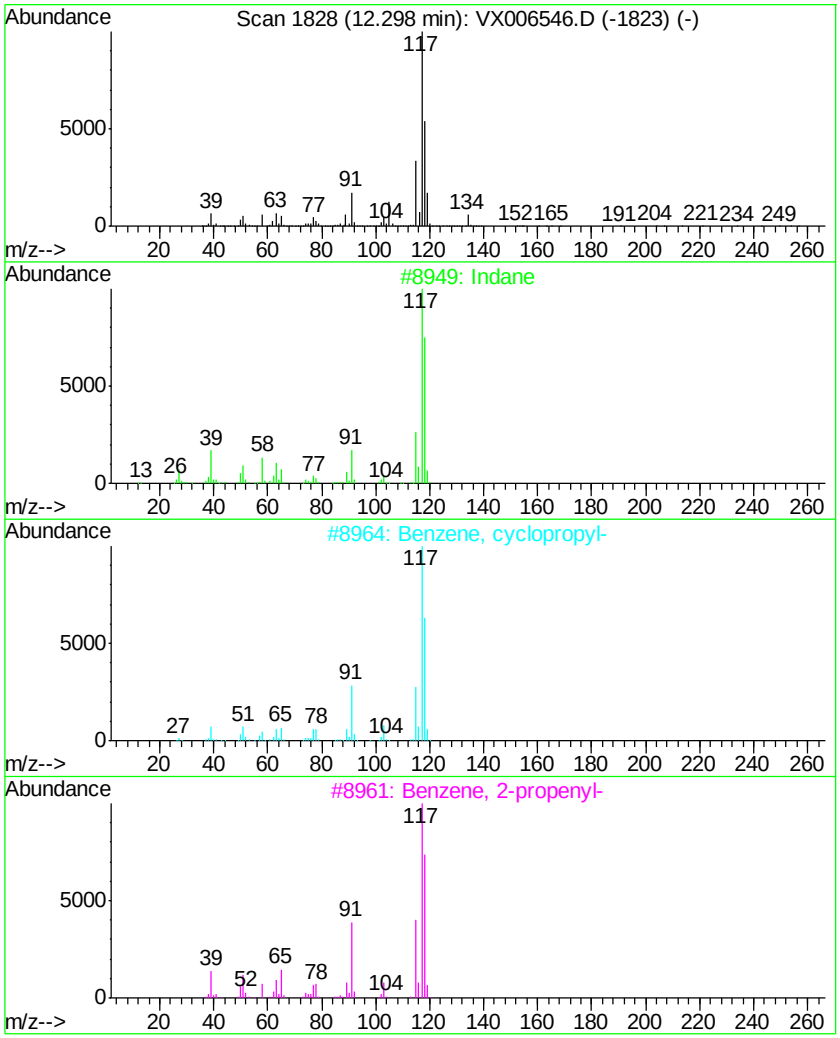
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

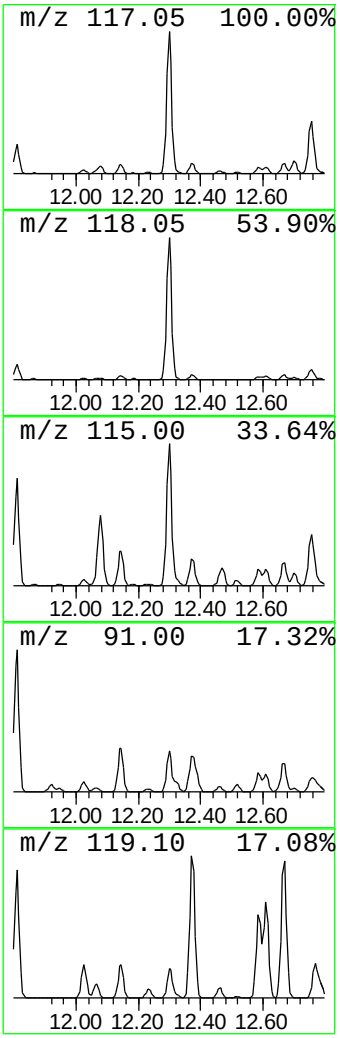
****

Peak Number 3 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	114.60 ug/l	7352100	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4	Deltacyclene	118	C9H10	007785-10-6	58
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : PR-MW-01_121218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

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

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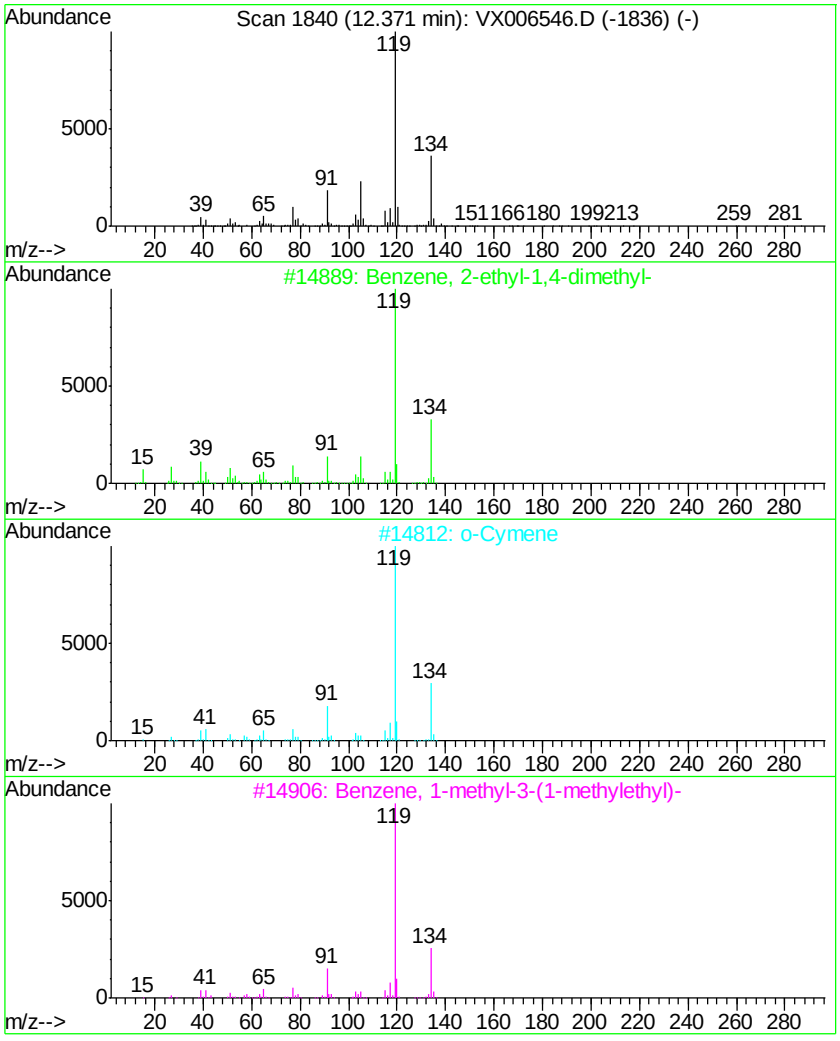
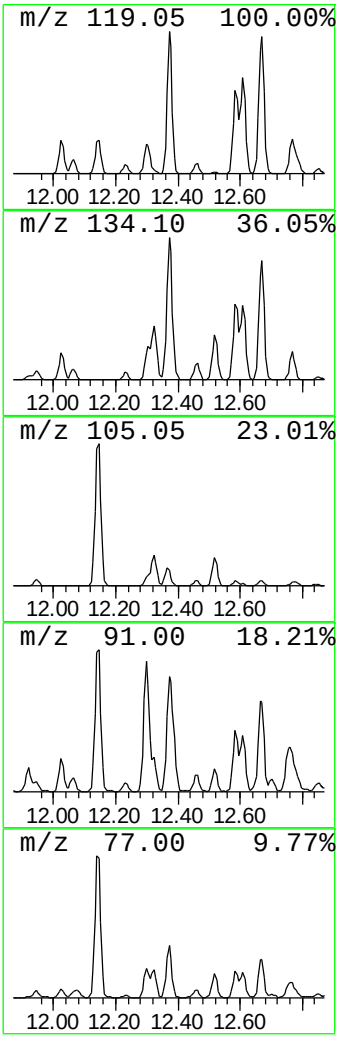
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	73.94 ug/l	4743720	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : PR-MW-01_121218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

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

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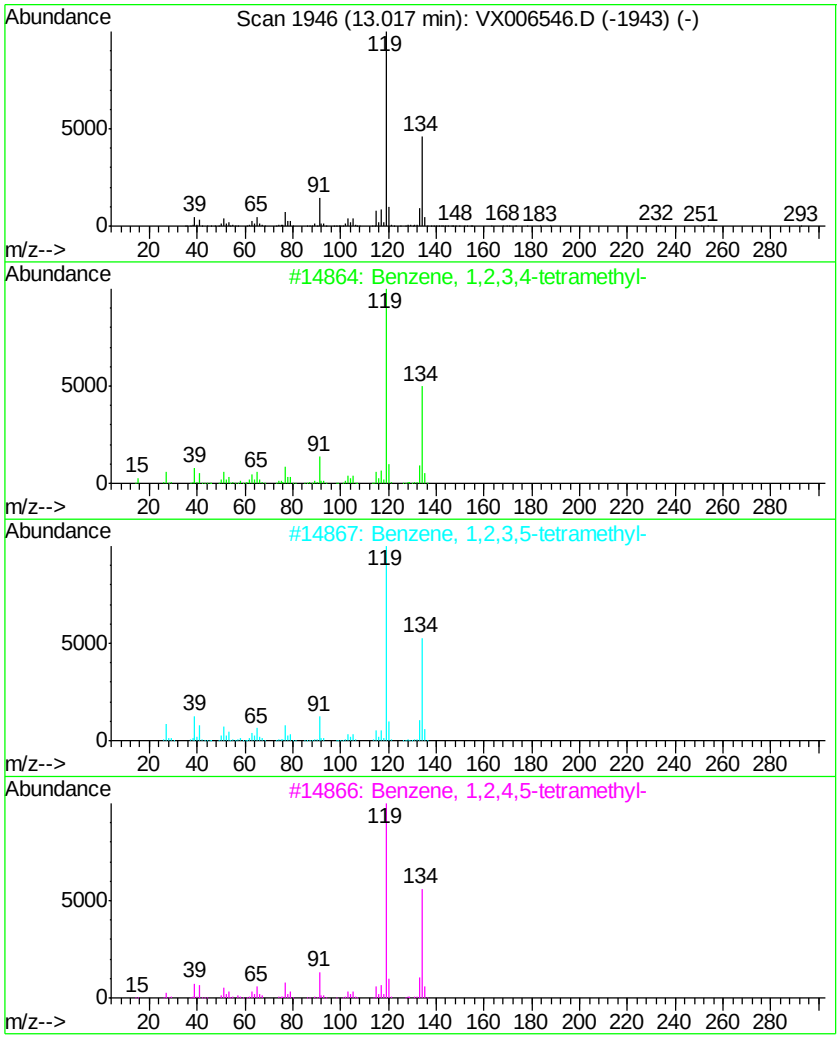
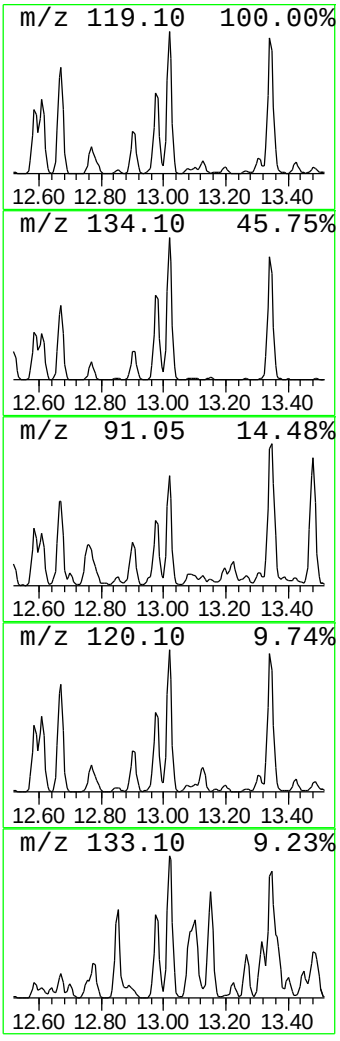
Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	76.27 ug/l	4892900	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	o-Cymene	134	C10H14	000527-84-4	96
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : PR-MW-01_121218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

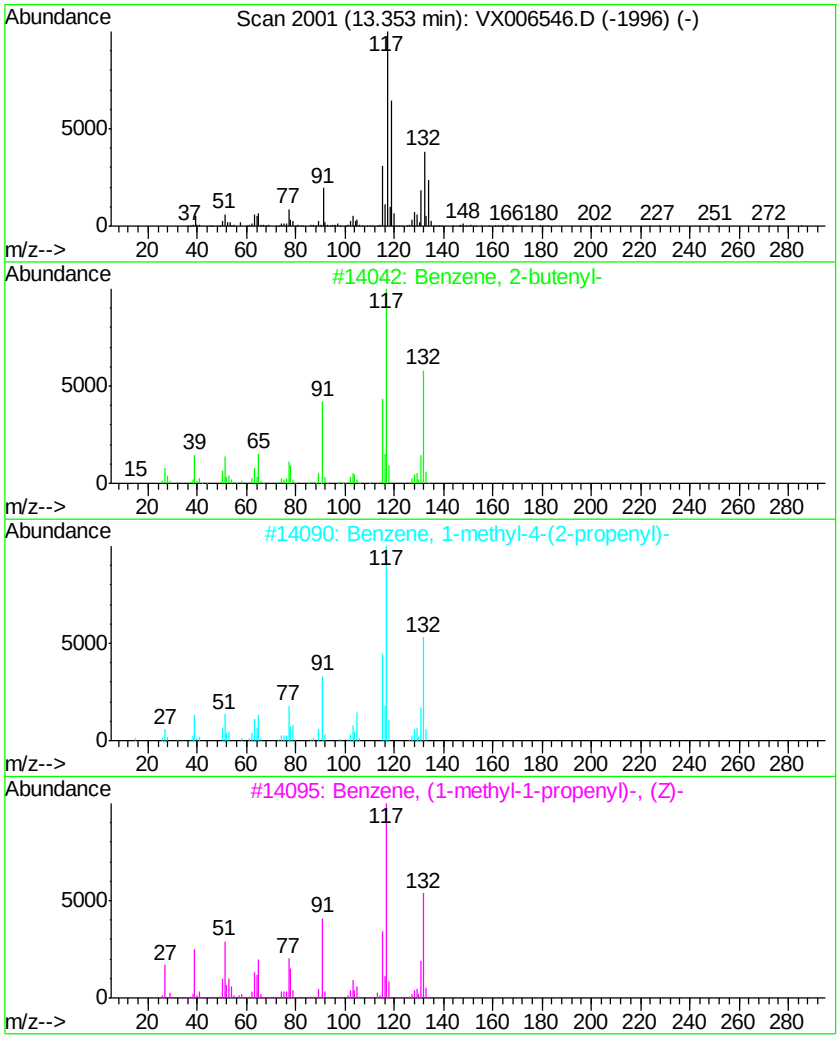
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

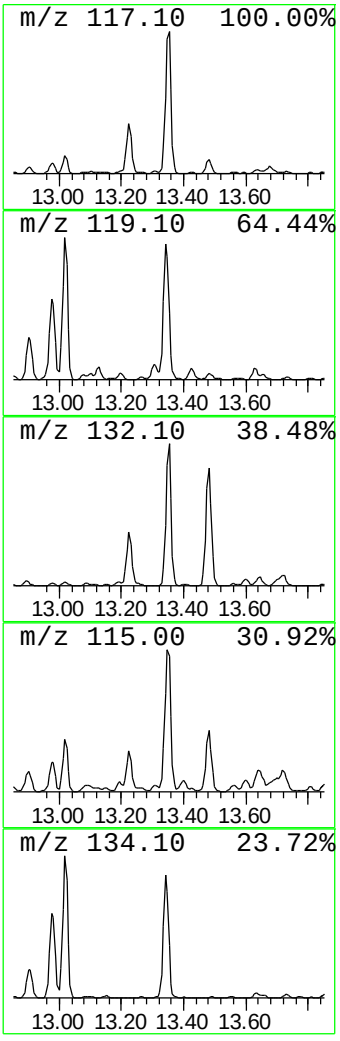
****

Peak Number 7 Benzene, 2-butenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	123.58 ug/l	7928510	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	64
5	o-Cymene	134	C10H14	000527-84-4	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : PR-MW-01_121218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

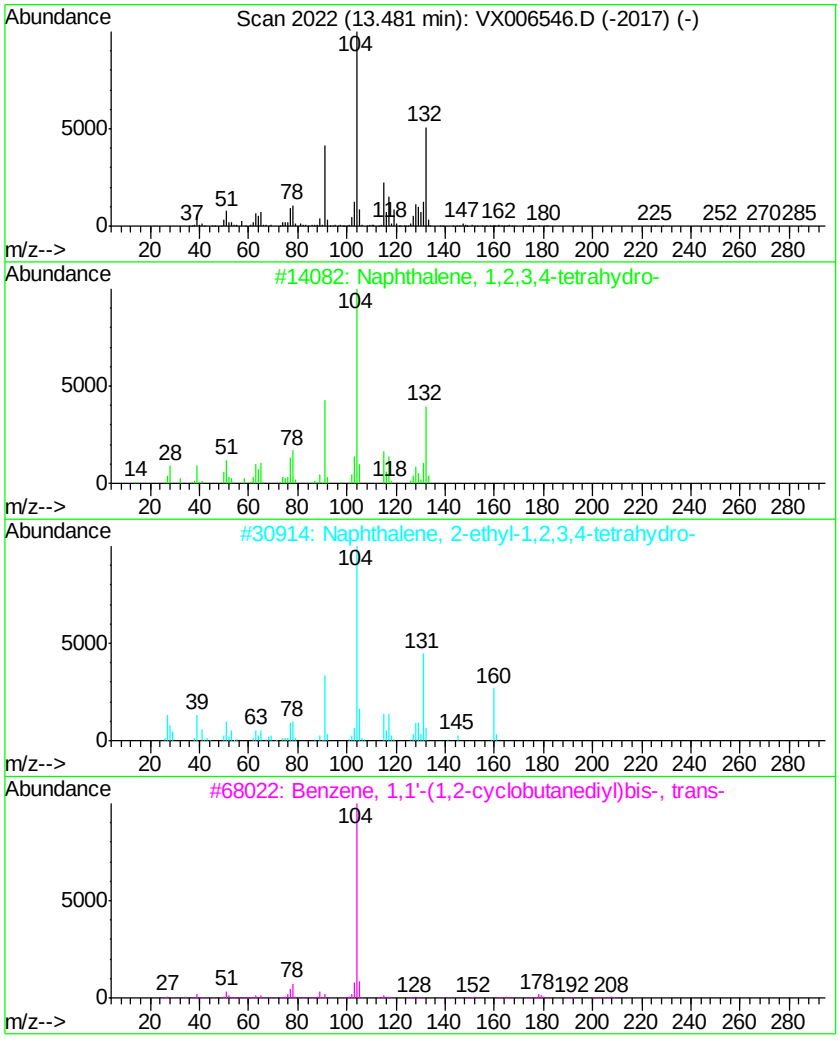
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

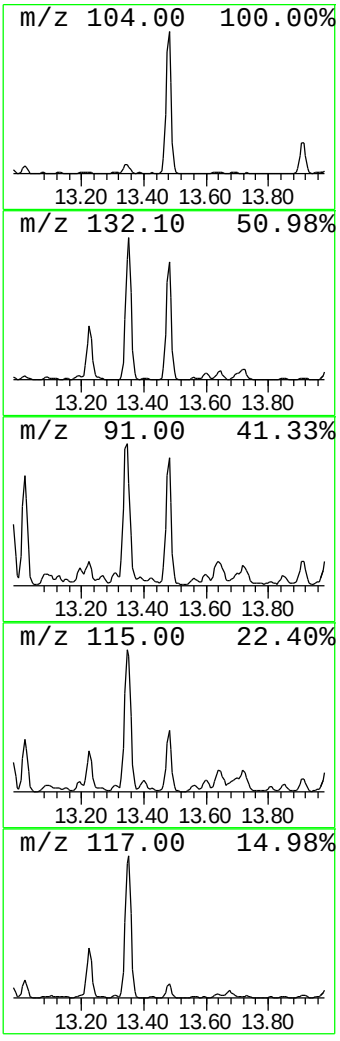
****

Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	57.13 ug/l	3665070	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
2	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	53
3	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	35
4	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	32
5	2-Phehylethylamine, N,N-di(trifl...	313	C12H9F6NO2	1000328-32-5	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : PR-MW-01_121218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260

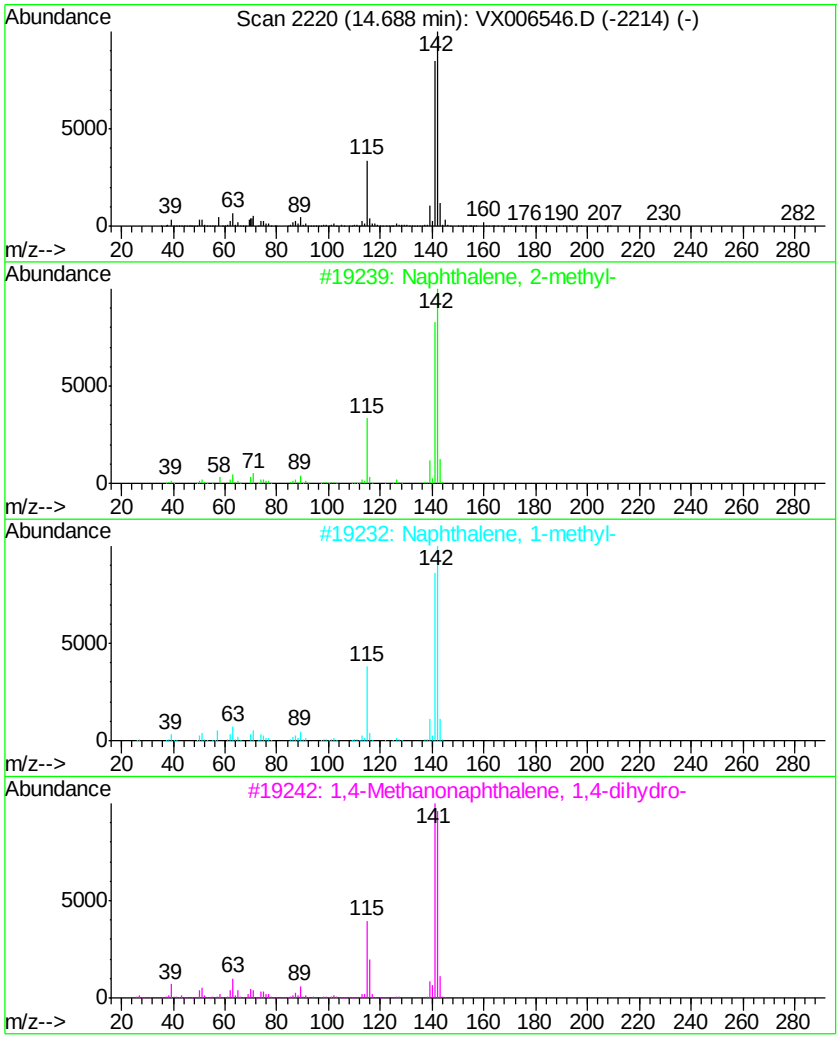
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

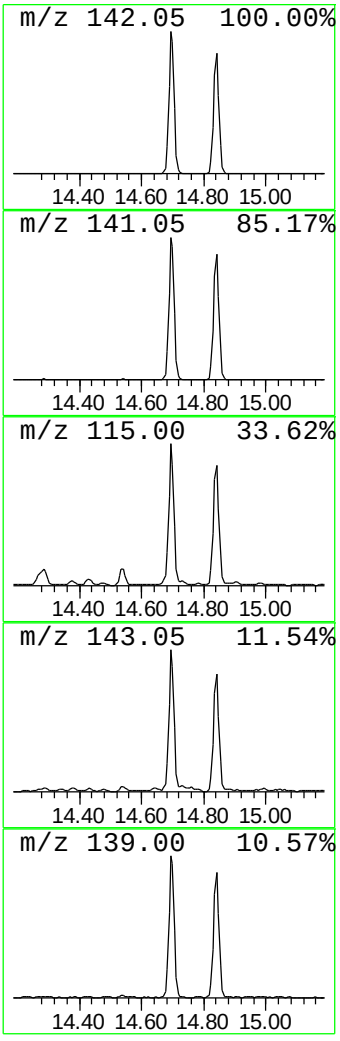
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	112.92 ug/l	7244390	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
Data File : VX006546.D
Acq On : 15 Dec 2018 06:07
Operator : JC/MD
Sample : J6398-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : PR-MW-01_121218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.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
Benzene, 1-ethyl-...	11.67	78.1	ug/l	5008440	4	12.08	3207790	50.0
Indane	12.30	114.6	ug/l	7352100	4	12.08	3207790	50.0
Benzene, 2-ethyl-...	12.37	73.9	ug/l	4743720	4	12.08	3207790	50.0
Benzene, 1,2,3,4-...	13.02	76.3	ug/l	4892900	4	12.08	3207790	50.0
Benzene, 2-butenyl-	13.35	123.6	ug/l	7928510	4	12.08	3207790	50.0
Naphthalene, 1,2,...	13.48	57.1	ug/l	3665070	4	12.08	3207790	50.0
Naphthalene, 1-me...	14.69	112.9	ug/l	7244390	4	12.08	3207790	50.0