LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

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\82X042919W.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	1.337	24	30	36	rBV2	17517	56358	5.77%	0.722%
2	1.788	100	104	110	rVB	7166	9912	1.01%	0.127%
3	2.446	206	212	220	rVB	24558	41828	4.28%	0.536%
4	2.611	234	239	245	rVB	7815	13202	1.35%	0.169%
5	5.501	698	713	724	rBV	104178	300443	30.74%	3.848%
6	5.665	729	740	755	rVB	183034	521741	53.38%	6.683%
7	6.062	794	805	817	rBV	129285	336566	34.43%	4.311%
8	6.860	925	936	947	rBV	299886	697362	71.35%	8.932%
9	8.714	1233	1240	1249	rBV	636128	977417	100.00%	12.520%
10	10.110	1463	1469	1480	rBV	564226	801755	82.03%	10.270%
11	10.360	1502	1510	1517	rVB	31757	46970	4.81%	0.602%
12	10.701	1560	1566	1574	rVB	38359	53512	5.47%	0.685%
13	11.134	1630	1637	1649	rBV	459625	605980	62.00%	7.762%
14	11.433	1681	1686	1693	rBV	38837	65931	6.75%	0.844%
15	11.506	1693	1698	1707	rVB	31845	44345	4.54%	0.568%
16	11.664	1720	1724	1730	rBV	29467	40014	4.09%	0.513%
17	11.804	1743	1747	1753	rVB	92851	114869	11.75%	1.471%
18	12.024	1778	1783	1786	rVV	12808	15909	1.63%	0.204%
19	12.079	1786	1792	1797	rVV	548660	708484	72.49%	9.075%
20	12.140	1797	1802	1814	rVB	62442	84032	8.60%	1.076%
21	12.298	1824	1828	1831	rBV2	34118	44155	4.52%	0.566%
22	12.371	1836	1840	1847	rVB2	35240	49405	5.05%	0.633%
23	12.518	1860	1864	1869	rVB	13611	16430	1.68%	0.210%
24	12.585	1869	1875	1877	rBV2	24118	33428	3.42%	0.428%
25	12.609	1877	1879	1883	rVB	21713	22416	2.29%	0.287%
26	12.664	1883	1888	1891	rBV	32757	40619	4.16%	0.520%
27	12.701	1891	1894	1898	rVB	10317	12963	1.33%	0.166%
28	12.755	1898	1903	1911	rBV2	32887	56995	5.83%	0.730%
29	12.902	1923	1927	1932	rVB2	17698	23896	2.44%	0.306%
30	12.975	1932	1939	1942	rBV	28861	37291	3.82%	0.478%
31	13.018	1942	1946	1952	rVB	49562	60266	6.17%	0.772%
32	13.097	1952	1959	1962	rBV6	7967	18169	1.86%	0.233%
33	13.225	1976	1980	1984	rVB	33998	42739	4.37%	0.547%
34	13.304	1989	1993	1995	rBV2	9577	13311	1.36%	0.170%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

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\82X042919W.M
Title : SW846 8260

35	13.347	1995	2000	2005	rVB2	112065	149345	15.28%	1.913%
36	13.475	2016	2021	2030	rVB	119427	158504	16.22%	2.030%
37	13.560	2030	2035	2038	rBV2	11302	17653	1.81%	0.226%
38	13.597	2038	2041	2044	rVV	24248	31618	3.23%	0.405%
39	13.639	2044	2048	2054	rVV3	29483	57967	5.93%	0.742%
40	13.719	2054	2061	2066	rVB2	30662	62097	6.35%	0.795%
41	13.835	2077	2080	2088	rVB2	10201	18126	1.85%	0.232%
42	13.908	2088	2092	2097	rVB	50331	63191	6.47%	0.809%
43	13.981	2097	2104	2108	rBV	64256	82870	8.48%	1.061%
44	14.024	2108	2111	2115	rVB2	14583	17808	1.82%	0.228%
45	14.133	2124	2129	2132	rBV	31698	39516	4.04%	0.506%
46	14.286	2146	2154	2161	rBV	158407	231632	23.70%	2.967%
47	14.377	2165	2169	2173	rVV	18739	24338	2.49%	0.312%
48	14.426	2173	2177	2182	rVB	36602	47962	4.91%	0.614%
49	14.475	2182	2185	2190	rVB2	8266	10748	1.10%	0.138%
50	14.536	2190	2195	2200	rBV2	120494	154181	15.77%	1.975%
51	14.676	2212	2218	2219	rBV3	52386	71100	7.27%	0.911%
52	14.694	2219	2221	2224	rVV	50403	59529	6.09%	0.762%
53	14.731	2224	2227	2231	rVB	34376	44624	4.57%	0.572%
54	14.786	2231	2236	2239	rBV2	10129	15502	1.59%	0.199%
55	14.834	2241	2244	2248	rVV2	25828	38006	3.89%	0.487%
56	14.877	2248	2251	2253	rVV	22413	29708	3.04%	0.381%
57	14.901	2253	2255	2260	rVB2	22682	27858	2.85%	0.357%
58	14.962	2260	2265	2272	rBV3	21896	49432	5.06%	0.633%
59	15.115	2282	2290	2294	rBV2	10590	18835	1.93%	0.241%
60	15.243	2306	2311	2319	rBV	49337	97007	9.92%	1.243%
61	15.316	2319	2323	2331	rVB10	6184	14771	1.51%	0.189%
62	15.438	2339	2343	2347	rBV4	9455	15173	1.55%	0.194%
63	15.548	2356	2361	2365	rBV3	21201	36006	3.68%	0.461%
64	15.596	2365	2369	2374	rVV3	13602	27862	2.85%	0.357%
65	15.682	2378	2383	2387	rVV	24393	45948	4.70%	0.589%
66	15.724	2387	2390	2398	rVB4	12429	23836	2.44%	0.305%
67	16.413	2494	2503	2509	rBV3	6775	15641	1.60%	0.200%

Sum of corrected areas: 7807107

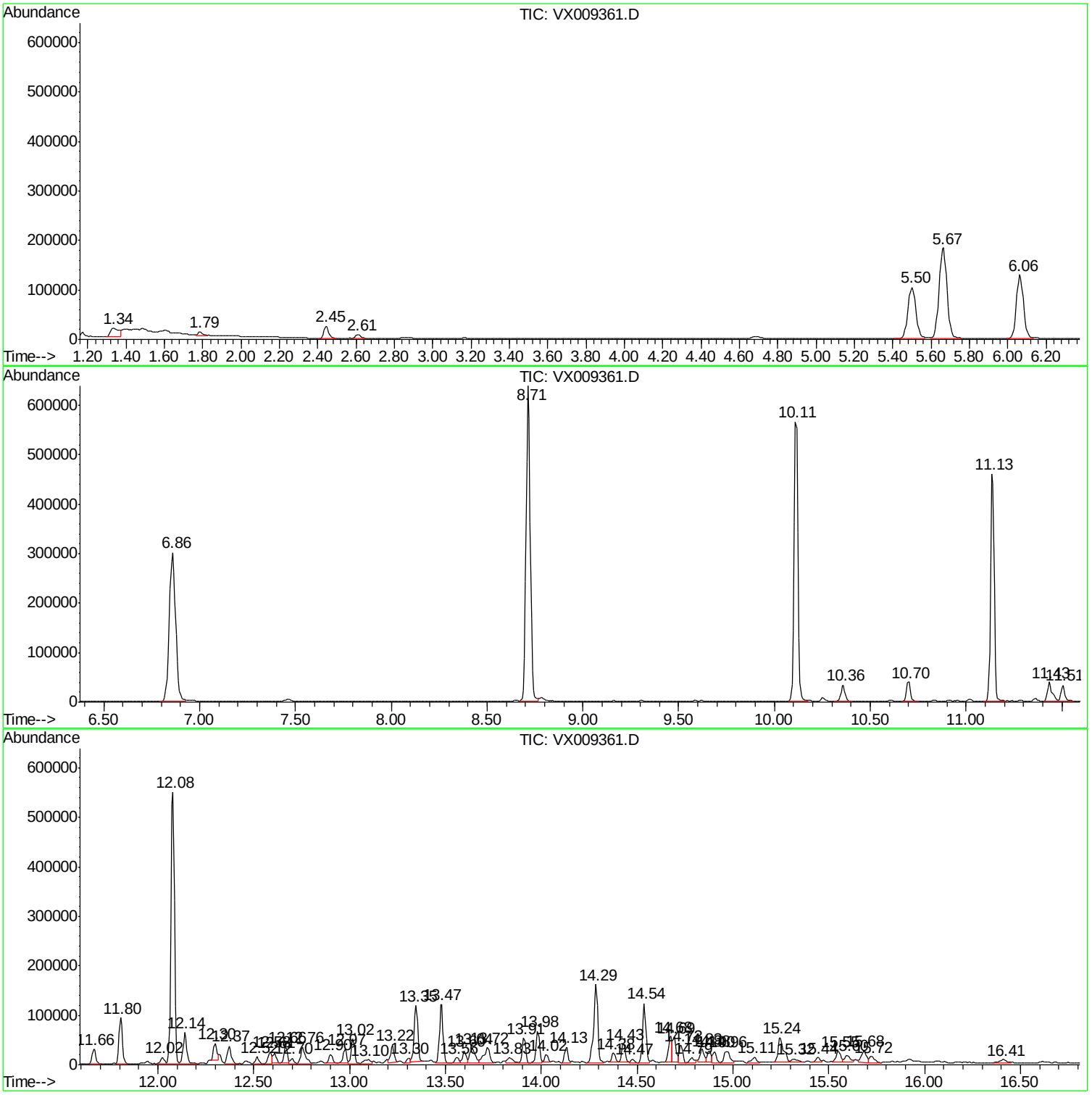
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.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\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

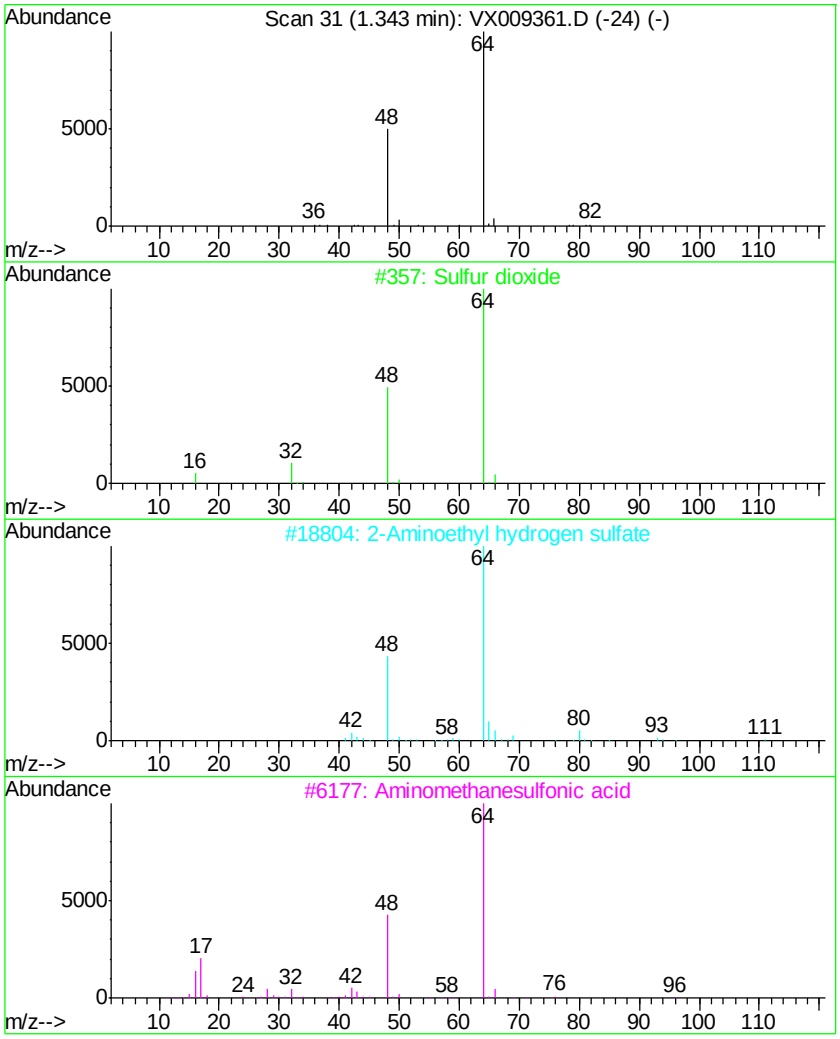
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

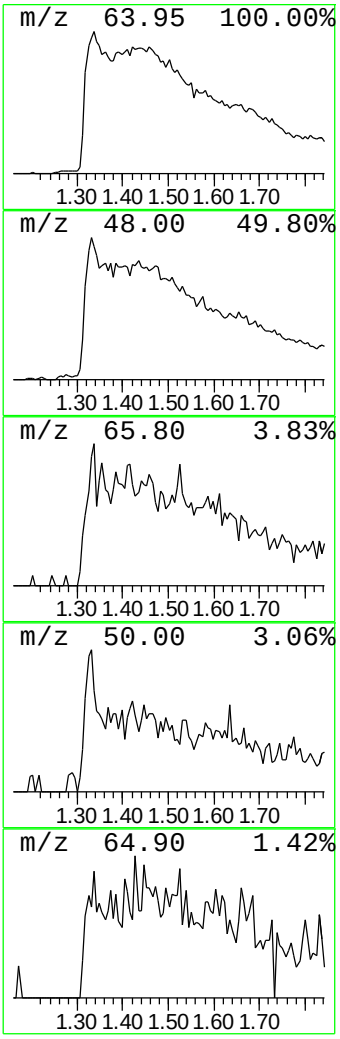
****

Peak Number 1 Sulfur dioxide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.34	5.40 ug/l	56358	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	74
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
4	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

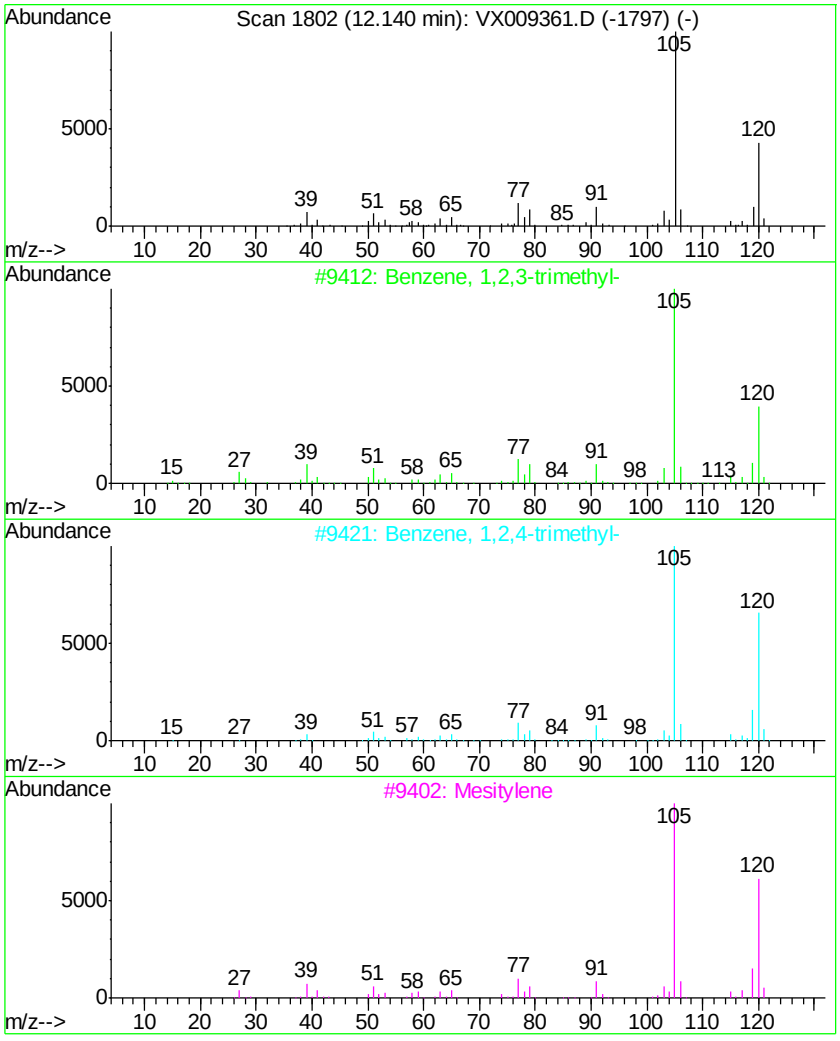
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

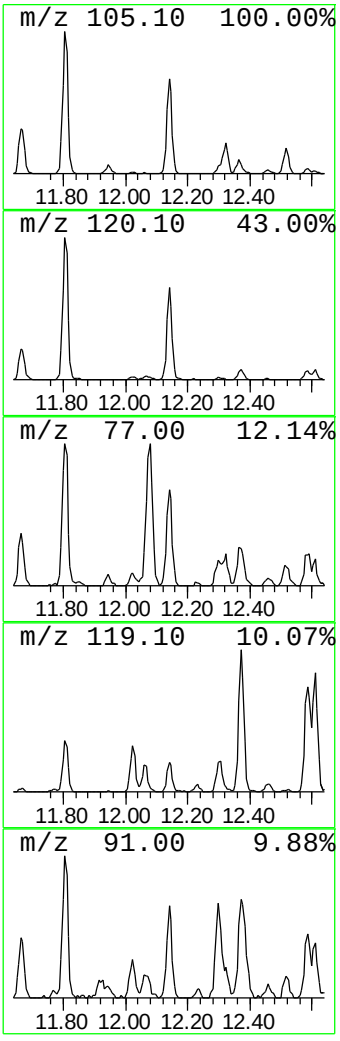
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	5.93 ug/l	84032	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

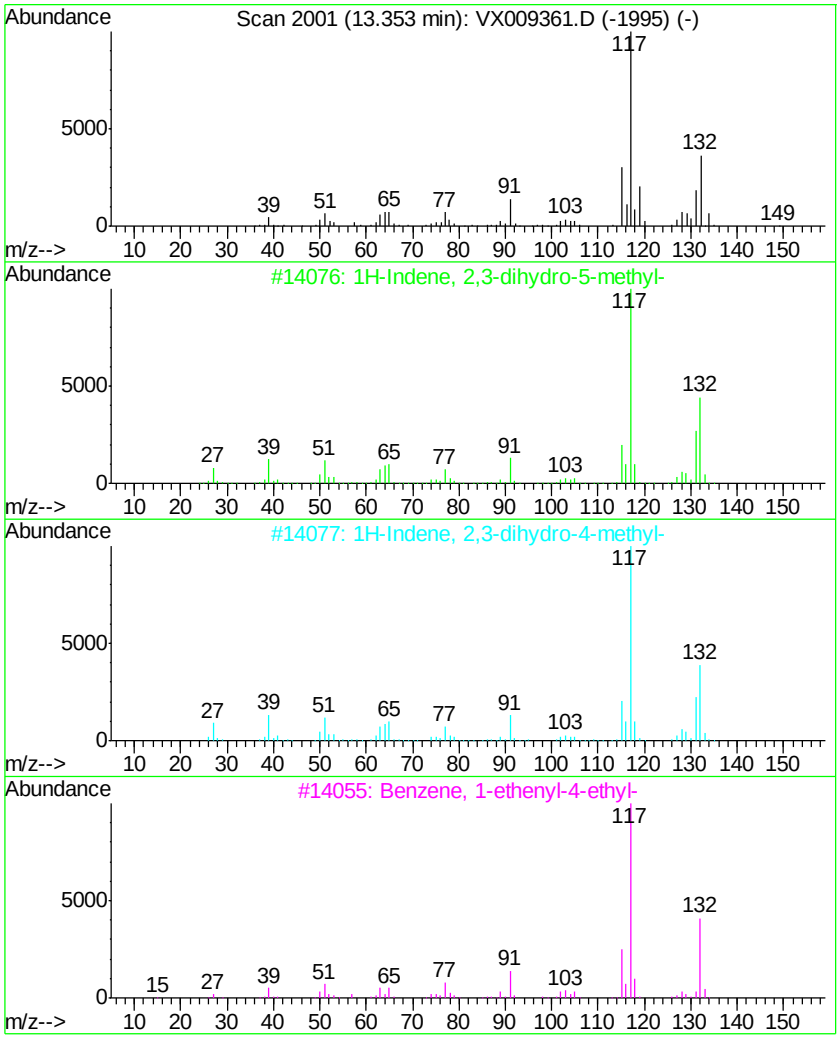
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

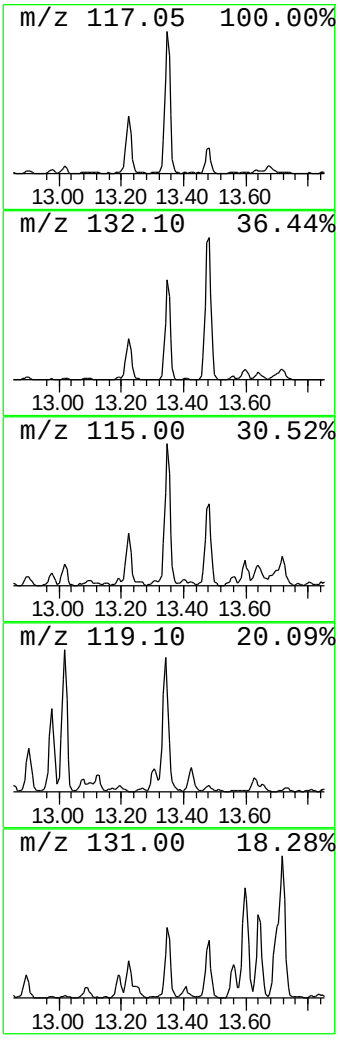
****

Peak Number 3 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	10.54 ug/l	149345	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	92
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	92
4	Indan, 1-methyl-	132	C10H12	000767-58-8	70
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

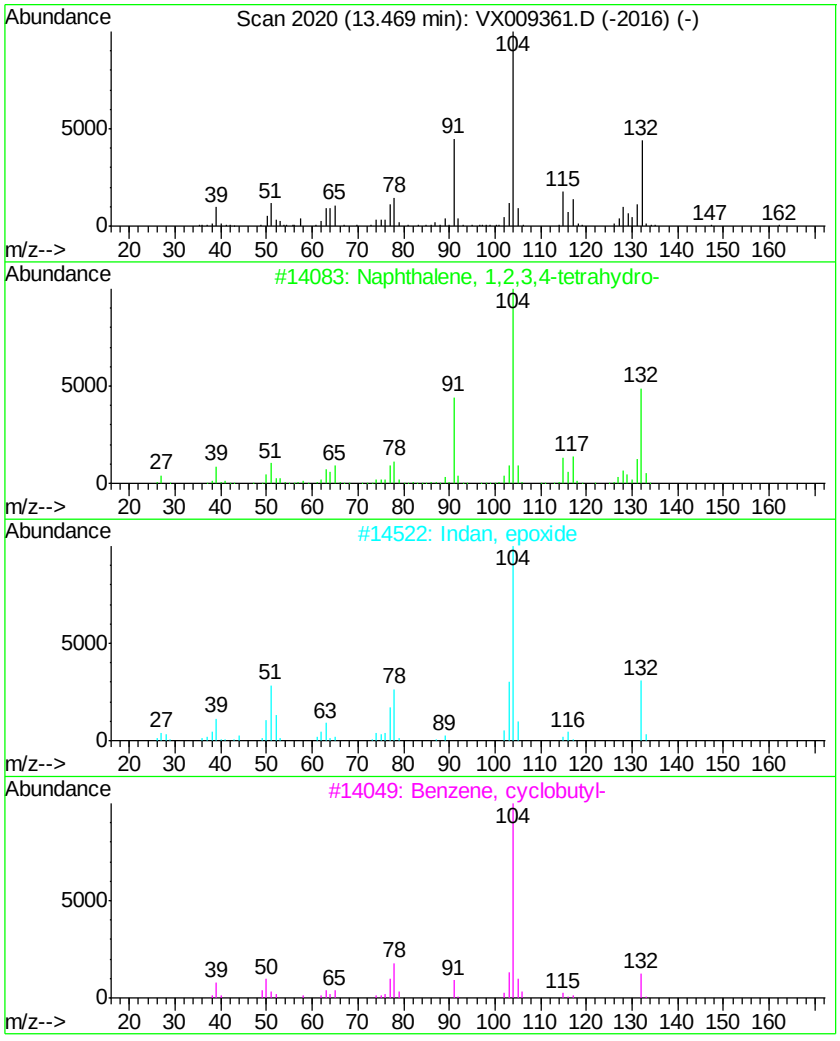
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

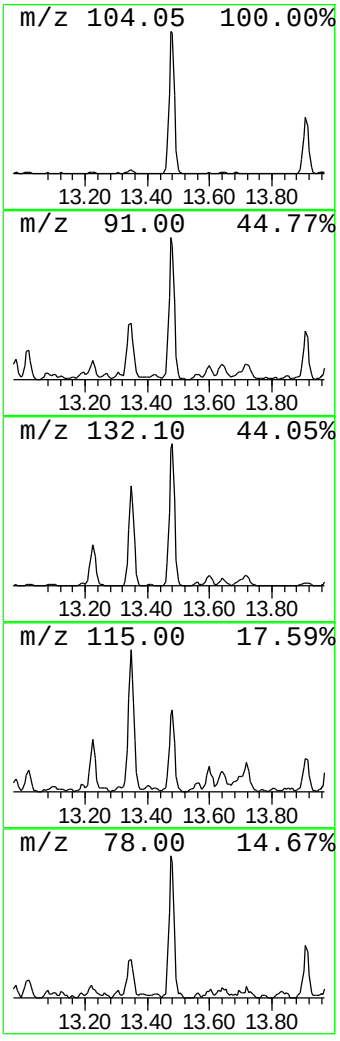
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	11.19 ug/l	158504	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	93
2	Indan, epoxide	132	C9H8O	000768-22-9	62
3	Benzene, cyclobutyl-	132	C10H12	004392-30-7	53
4	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	52
5	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

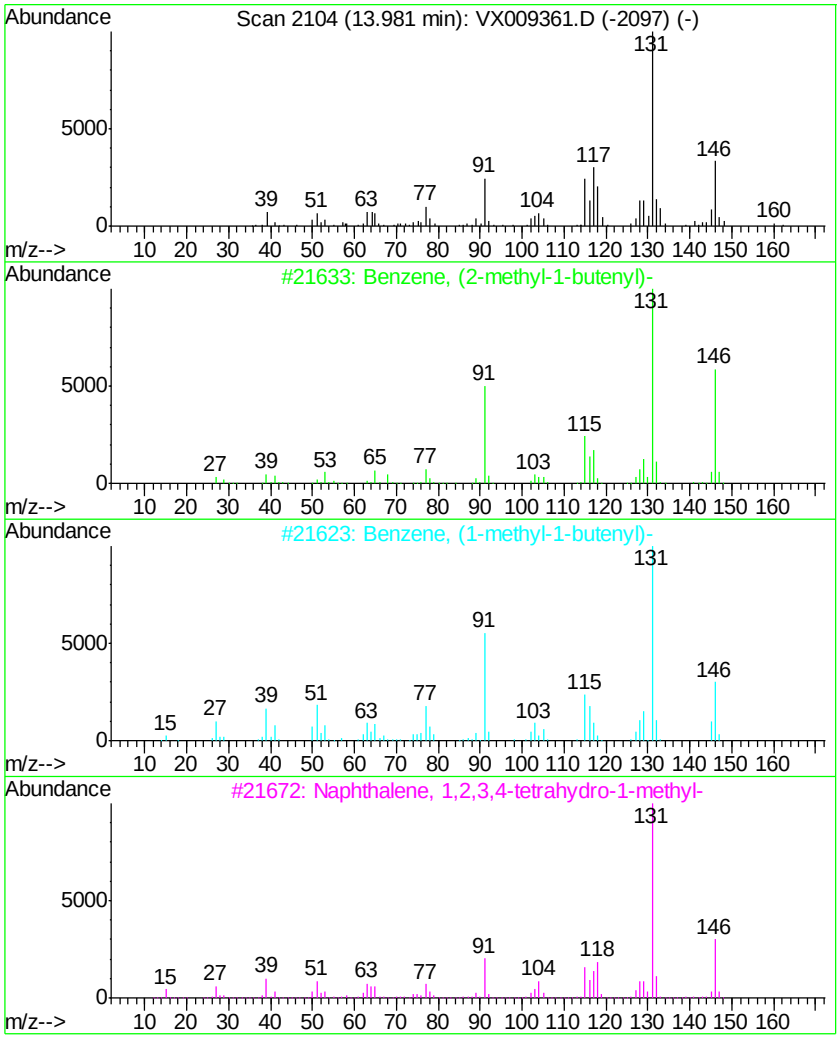
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

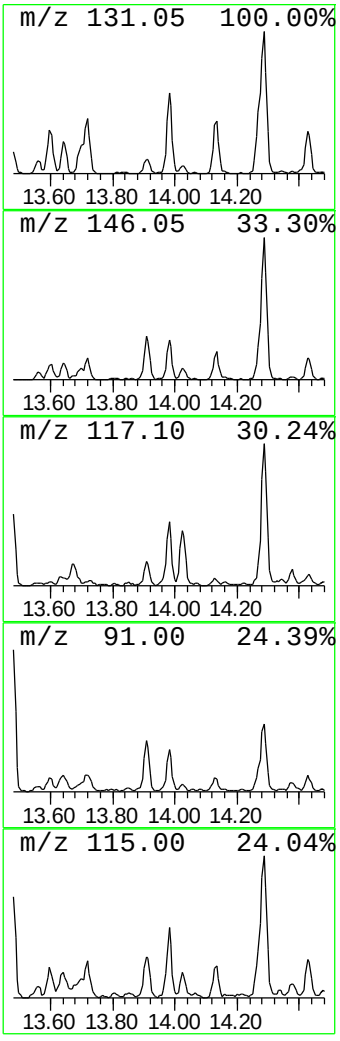
****

Peak Number 5 Benzene, (2-methyl-1-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	5.85 ug/l	82870	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	95
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	94
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	93
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	92





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Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

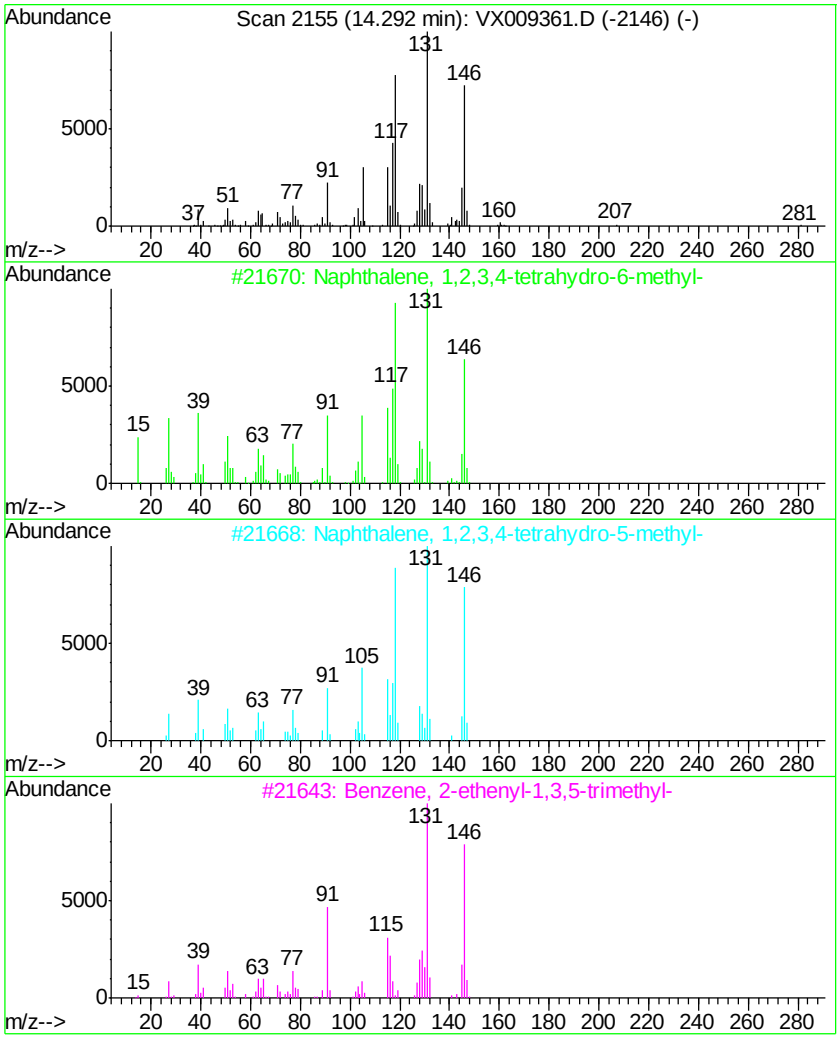
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

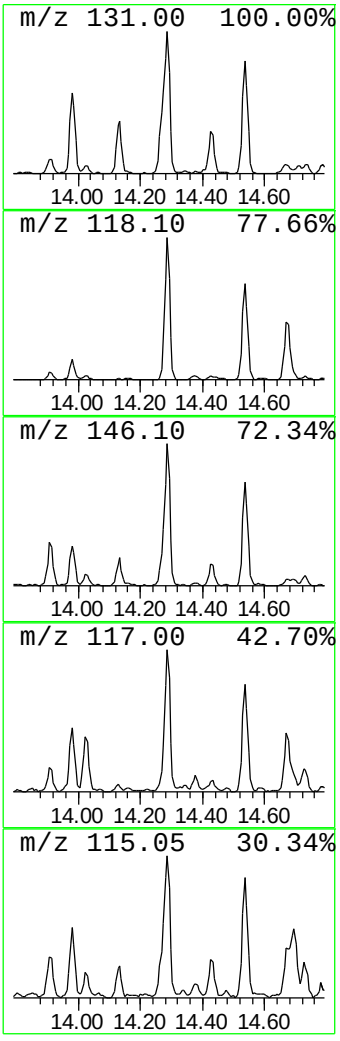
****

Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	16.35 ug/l	231632	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83
4	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	74
5	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

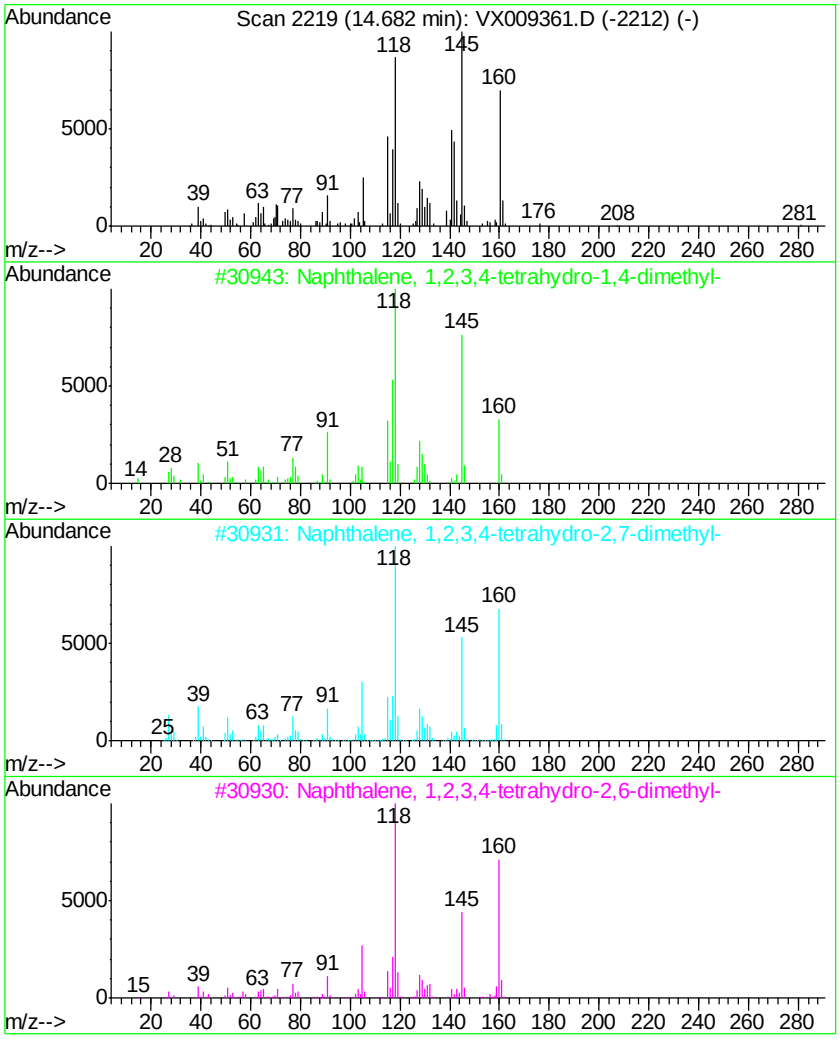
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

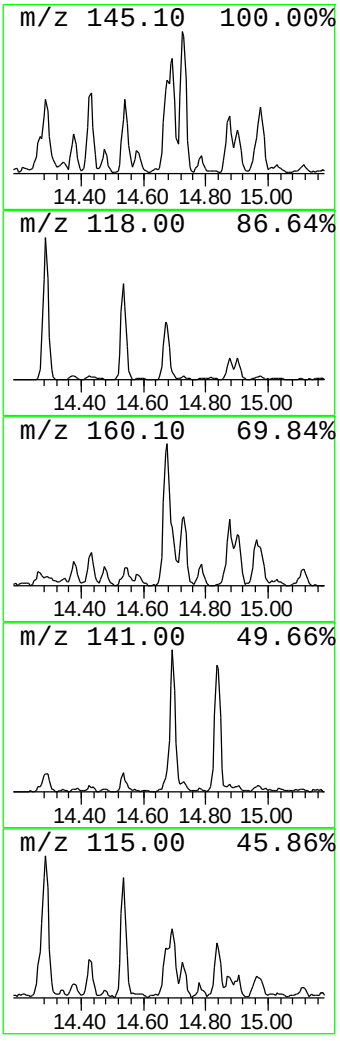
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	5.02 ug/l	71100	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	81
4	1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	64
5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260

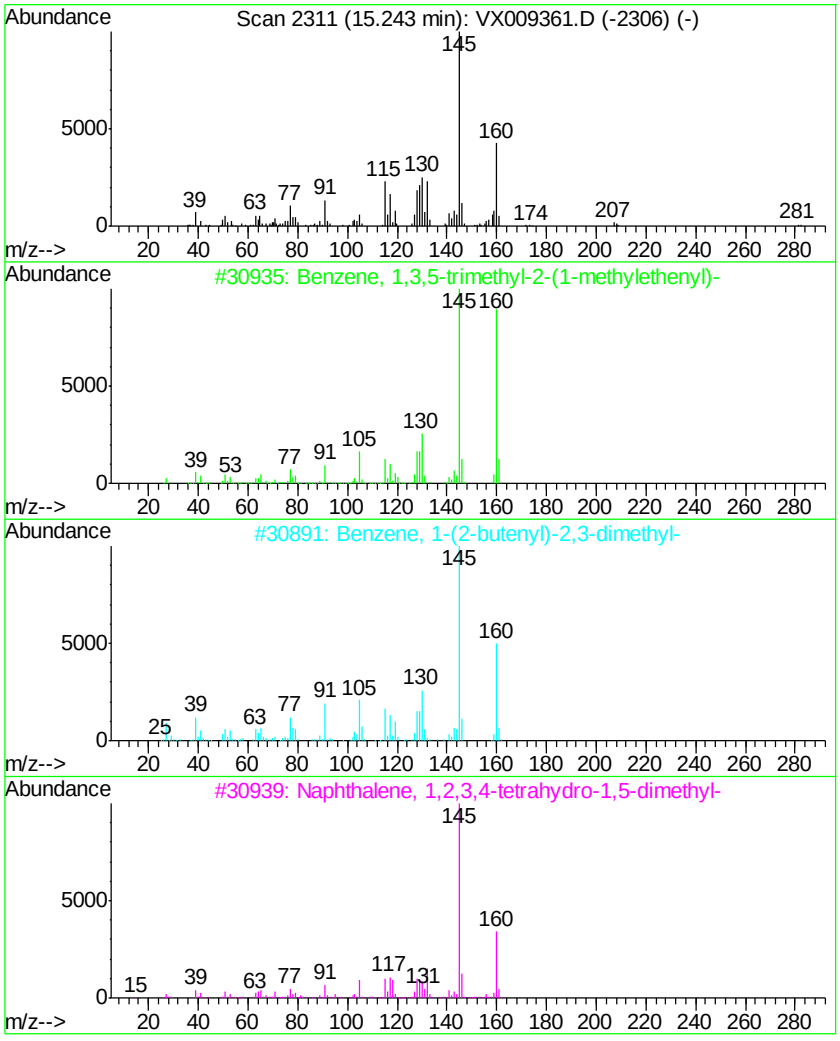
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

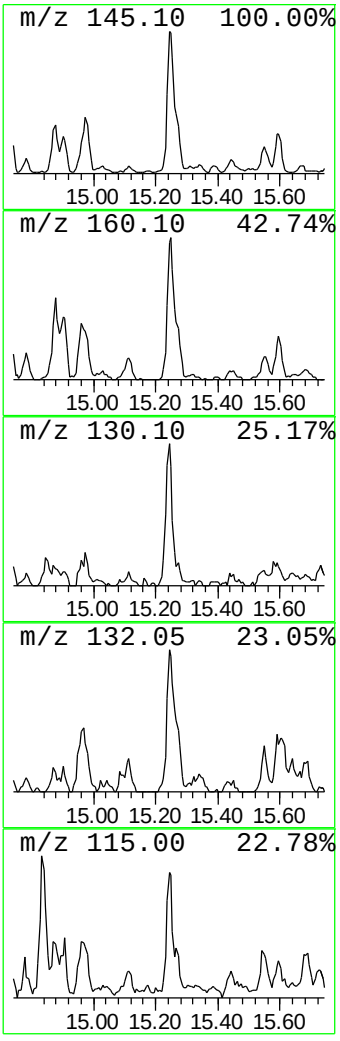
****

Peak Number 9 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	6.85 ug/l	97007	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	96
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	90
4	1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	86
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : SV28545L

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.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
Sulfur dioxide	1.34	5.4	ug/l	56358	1	5.67	521741	50.0
Benzene, 1,2,3-tr...	12.14	5.9	ug/l	84032	4	12.08	708484	50.0
1H-Indene, 2,3-di...	13.35	10.5	ug/l	149345	4	12.08	708484	50.0
Naphthalene, 1,2,...	13.47	11.2	ug/l	158504	4	12.08	708484	50.0
Benzene, (2-methy...	13.98	5.8	ug/l	82870	4	12.08	708484	50.0
Naphthalene, 1,2,...	14.29	16.4	ug/l	231632	4	12.08	708484	50.0
Naphthalene, 1,2,...	14.68	5.0	ug/l	71100	4	12.08	708484	50.0
Benzene, 1,3,5-tr...	15.24	6.8	ug/l	97007	4	12.08	708484	50.0