LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
Data File : VX025453.D
Acq On : 03 Dec 2021 01:43
Operator : JC/MD
Sample : M4917-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-33

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\82X111721W.M
Title : SW846 8260

Signal : TIC: VX025453.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	31	rBV	92714	122144	22.34%	1.591%
2	2.337	199	205	210	rBV	3270	6416	1.17%	0.084%
3	2.782	270	278	281	rBV	12999	27588	5.05%	0.359%
4	2.825	281	285	296	rVB	24421	49147	8.99%	0.640%
5	3.105	323	331	342	rBV3	21717	53694	9.82%	0.699%
6	3.446	380	387	396	rBV2	6703	15261	2.79%	0.199%
7	3.770	431	440	449	rVB4	3073	8064	1.47%	0.105%
8	4.215	503	513	520	rBV3	6823	19843	3.63%	0.258%
9	4.306	521	528	540	rVB2	7753	21556	3.94%	0.281%
10	5.391	694	706	716	rBV2	62846	182272	33.33%	2.374%
11	5.556	716	733	742	rBV2	100463	313659	57.36%	4.085%
12	5.830	768	778	789	rBV3	13169	39894	7.30%	0.520%
13	5.958	789	799	811	rBV2	64281	171856	31.43%	2.238%
14	6.159	821	832	839	rBV5	8639	27700	5.07%	0.361%
15	6.251	839	847	858	rVV	39265	122020	22.31%	1.589%
16	6.361	858	865	875	rVB4	6603	18270	3.34%	0.238%
17	6.611	898	906	913	rBV4	5313	13155	2.41%	0.171%
18	6.763	923	931	940	rVV	159036	381368	69.74%	4.967%
19	6.848	940	945	951	rVB4	7507	19182	3.51%	0.250%
20	7.062	973	980	991	rVB4	2540	6602	1.21%	0.086%
21	7.178	991	999	1006	rBV5	4486	10208	1.87%	0.133%
22	7.379	1022	1032	1045	rVB3	26710	74891	13.70%	0.975%
23	7.501	1045	1052	1057	rBV2	4857	10081	1.84%	0.131%
24	7.562	1057	1062	1067	rBV2	5473	11927	2.18%	0.155%
25	7.659	1073	1078	1087	rVB3	8113	16240	2.97%	0.212%
26	7.775	1090	1097	1106	rBV4	3818	7240	1.32%	0.094%
27	7.891	1106	1116	1122	rBV7	1781	6308	1.15%	0.082%
28	7.988	1122	1132	1144	rVB	33896	69409	12.69%	0.904%
29	8.110	1144	1152	1161	rBV2	52285	117452	21.48%	1.530%
30	8.190	1161	1165	1170	rVV	7363	13632	2.49%	0.178%
31	8.440	1202	1206	1210	rBV3	3714	6342	1.16%	0.083%
32	8.507	1213	1217	1223	rVB6	3766	7501	1.37%	0.098%
33	8.653	1227	1241	1249	rBV	335035	546832	100.00%	7.122%
34	8.817	1265	1268	1272	rBV4	3291	5638	1.03%	0.073%
35	8.927	1278	1286	1288	rBV2	6277	12393	2.27%	0.161%
36	8.958	1288	1291	1301	rVV4	8349	20206	3.70%	0.263%

LSC Area Percent Report

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ALS Vial : 41 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MW-33

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

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Title : SW846 8260

37	9.049	1301	1306	1311	rVV4	5075	11046	2.02%	0.144%
38	9.104	1311	1315	1320	rVV	6966	11986	2.19%	0.156%
39	9.165	1320	1325	1329	rVV	9765	15216	2.78%	0.198%
40	9.512	1376	1382	1387	rVV4	4389	8715	1.59%	0.114%
41	10.055	1466	1471	1477	rBV	336006	444486	81.28%	5.789%
42	10.140	1481	1485	1491	rVB4	3623	8848	1.62%	0.115%
43	10.195	1491	1494	1499	rVB	7218	8881	1.62%	0.116%
44	10.305	1499	1512	1518	rVB	12520	20726	3.79%	0.270%
45	10.646	1563	1568	1572	rVB	16024	21070	3.85%	0.274%
46	10.963	1615	1620	1626	rVB	19174	23253	4.25%	0.303%
47	11.085	1634	1640	1649	rBV	260647	346089	63.29%	4.508%
48	11.305	1667	1676	1683	rBV	63735	79197	14.48%	1.032%
49	11.378	1683	1688	1691	rBV	224396	345485	63.18%	4.500%
50	11.451	1696	1700	1708	rVB	174190	209970	38.40%	2.735%
51	11.616	1721	1727	1734	rBV	118390	144277	26.38%	1.879%
52	11.756	1744	1750	1757	rVB	326947	401758	73.47%	5.233%
53	11.866	1763	1768	1770	rBV	10216	13486	2.47%	0.176%
54	11.890	1770	1772	1777	rVB	13322	15415	2.82%	0.201%
55	11.969	1781	1785	1789	rBV	28069	34398	6.29%	0.448%
56	12.024	1789	1794	1799	rVV	356060	450252	82.34%	5.864%
57	12.091	1801	1805	1814	rVB	45732	60069	10.98%	0.782%
58	12.250	1826	1831	1832	rBV	83120	94629	17.30%	1.233%
59	12.268	1832	1834	1838	rVV	109500	126630	23.16%	1.649%
60	12.317	1838	1842	1850	rVB2	191805	279241	51.07%	3.637%
61	12.408	1852	1857	1862	rBV	14106	18289	3.34%	0.238%
62	12.463	1862	1866	1873	rBV	55027	68261	12.48%	0.889%
63	12.530	1873	1877	1879	rBV	105024	129466	23.68%	1.686%
64	12.555	1879	1881	1886	rVB	100022	113171	20.70%	1.474%
65	12.616	1886	1891	1894	rBV	186964	218742	40.00%	2.849%
66	12.646	1894	1896	1901	rVB	22837	24842	4.54%	0.324%
67	12.701	1901	1905	1913	rBV2	84561	135270	24.74%	1.762%
68	12.847	1924	1929	1934	rVB	46460	59439	10.87%	0.774%
69	12.920	1934	1941	1945	rBV	96556	122674	22.43%	1.598%
70	12.963	1945	1948	1954	rVB	151478	174513	31.91%	2.273%
71	13.030	1954	1959	1960	rBV2	14037	18851	3.45%	0.246%
72	13.048	1960	1962	1964	rVV	14585	15836	2.90%	0.206%
73	13.073	1964	1966	1969	rVB	9863	8404	1.54%	0.109%
74	13.140	1974	1977	1978	rVV	8595	10347	1.89%	0.135%
75	13.170	1978	1982	1986	rVV	72184	94939	17.36%	1.237%
76	13.213	1986	1989	1992	rVV3	9196	12131	2.22%	0.158%

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ClientSampleId :
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Integration Parameters: RTEINT.P
Integrator: RTE
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Title : SW846 8260

77	13.256	1992	1996	1998	rVV2	16681	23110	4.23%	0.301%
78	13.292	1998	2002	2008	rVV2	145283	208238	38.08%	2.712%
79	13.372	2012	2015	2019	rVV	12308	15147	2.77%	0.197%
80	13.426	2019	2024	2029	rVB	22536	28312	5.18%	0.369%
81	13.506	2032	2037	2040	rBV2	13260	18135	3.32%	0.236%
82	13.548	2040	2044	2046	rVV	28596	38695	7.08%	0.504%
83	13.585	2046	2050	2056	rVV3	36618	71446	13.07%	0.931%
84	13.646	2056	2060	2061	rVV	14366	20912	3.82%	0.272%
85	13.664	2061	2063	2069	rVB2	26457	39665	7.25%	0.517%
86	13.780	2074	2082	2091	rVB2	9590	17362	3.18%	0.226%
87	13.853	2091	2094	2100	rVB3	4606	6890	1.26%	0.090%
88	13.926	2100	2106	2110	rBV2	14591	21690	3.97%	0.283%
89	13.975	2110	2114	2117	rVB	10671	12696	2.32%	0.165%
90	14.079	2126	2131	2138	rBV	21673	26737	4.89%	0.348%
91	14.219	2149	2154	2159	rBV3	18755	32998	6.03%	0.430%
92	14.323	2168	2171	2176	rBV2	9929	11794	2.16%	0.154%
93	14.377	2176	2180	2184	rVB	12975	16443	3.01%	0.214%
94	14.481	2191	2197	2203	rBV2	5049	7346	1.34%	0.096%
95	14.640	2212	2223	2227	rBV	51221	65535	11.98%	0.854%
96	14.780	2240	2246	2251	rBV	29742	38368	7.02%	0.500%

Sum of corrected areas: 7677808

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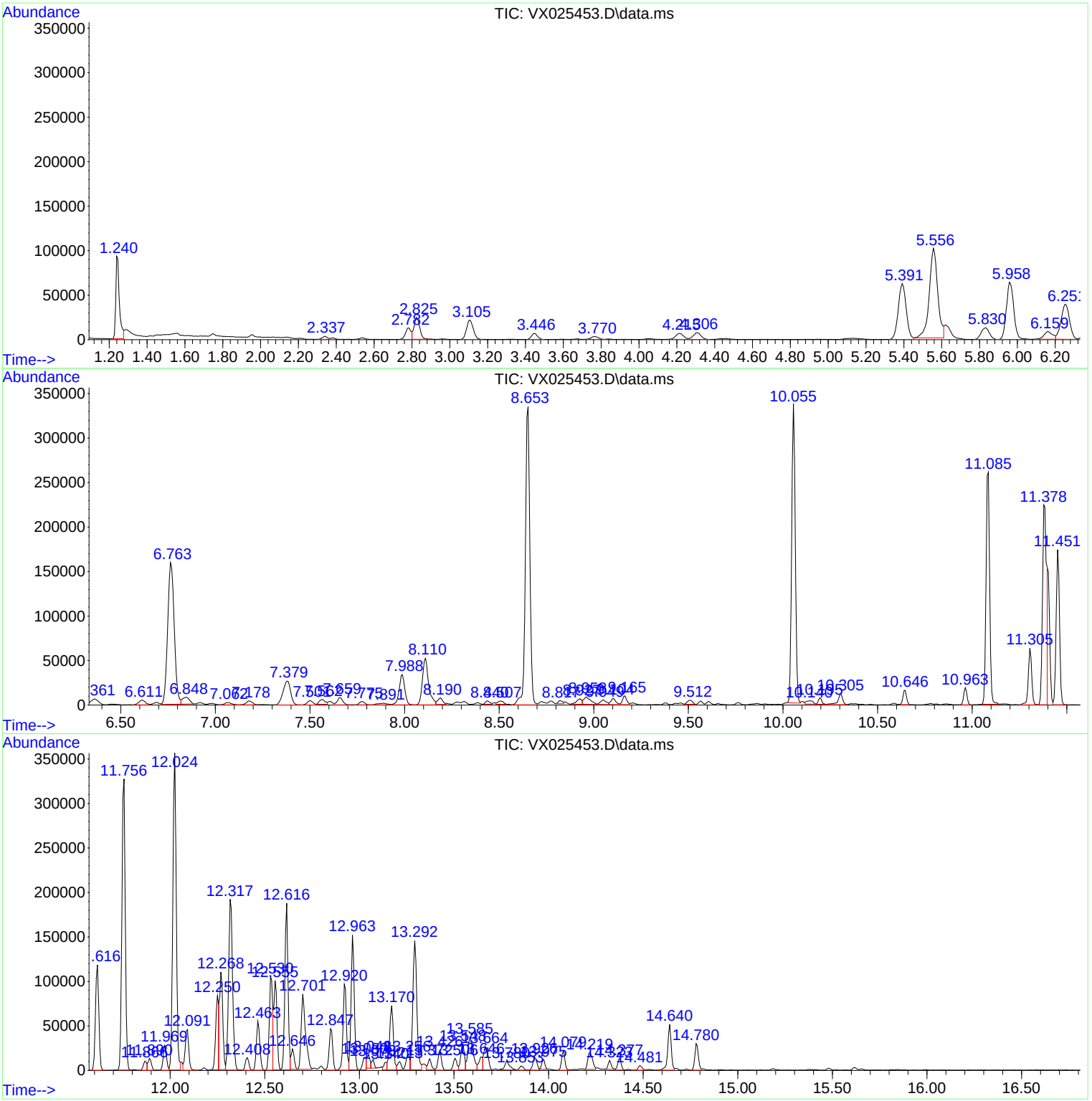
MSVOA_X
ClientSampleId :
MW-33

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Quant Title : SW846 8260

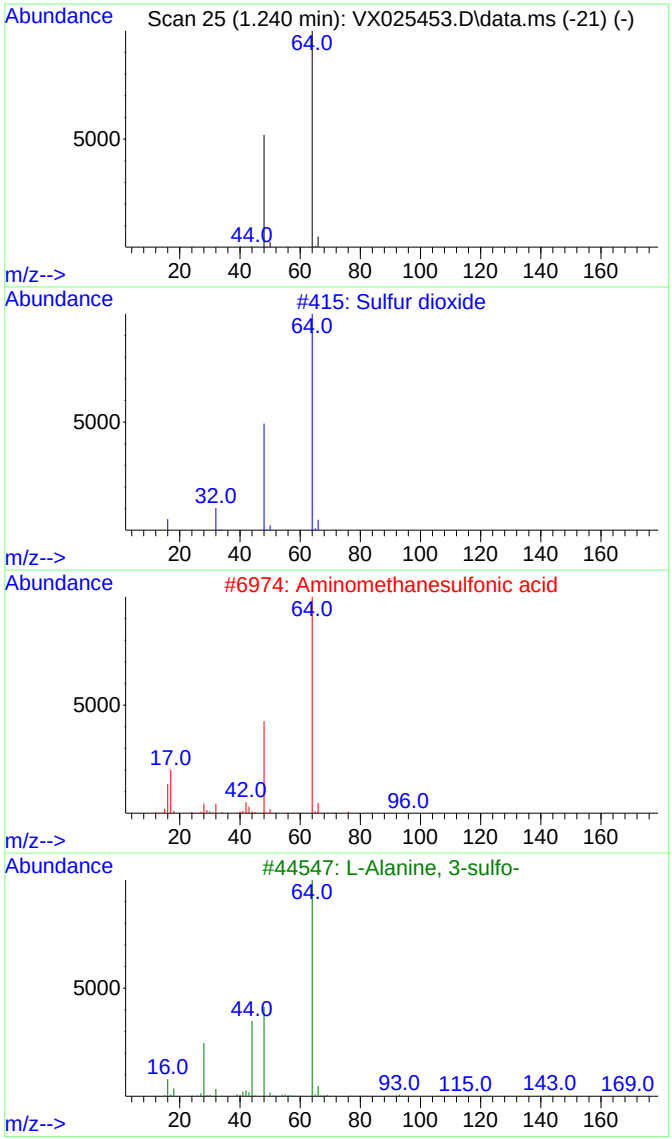
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

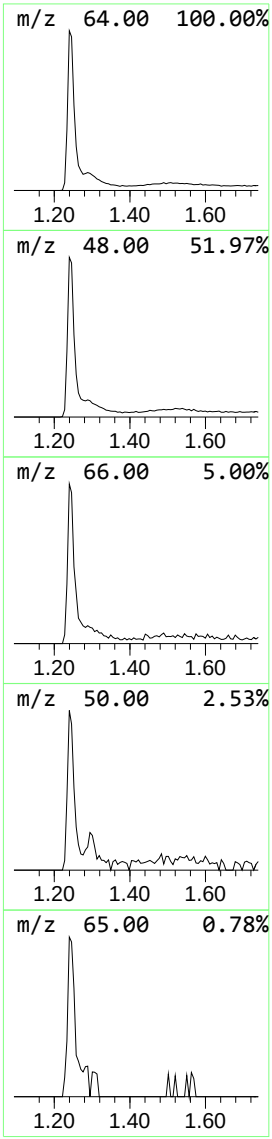
****

Peak Number 1 Sulfur dioxide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.240	19.47 ug/l	122144	Pentafluorobenzene	5.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





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Instrument :
MSVOA_X
ClientSampleId :
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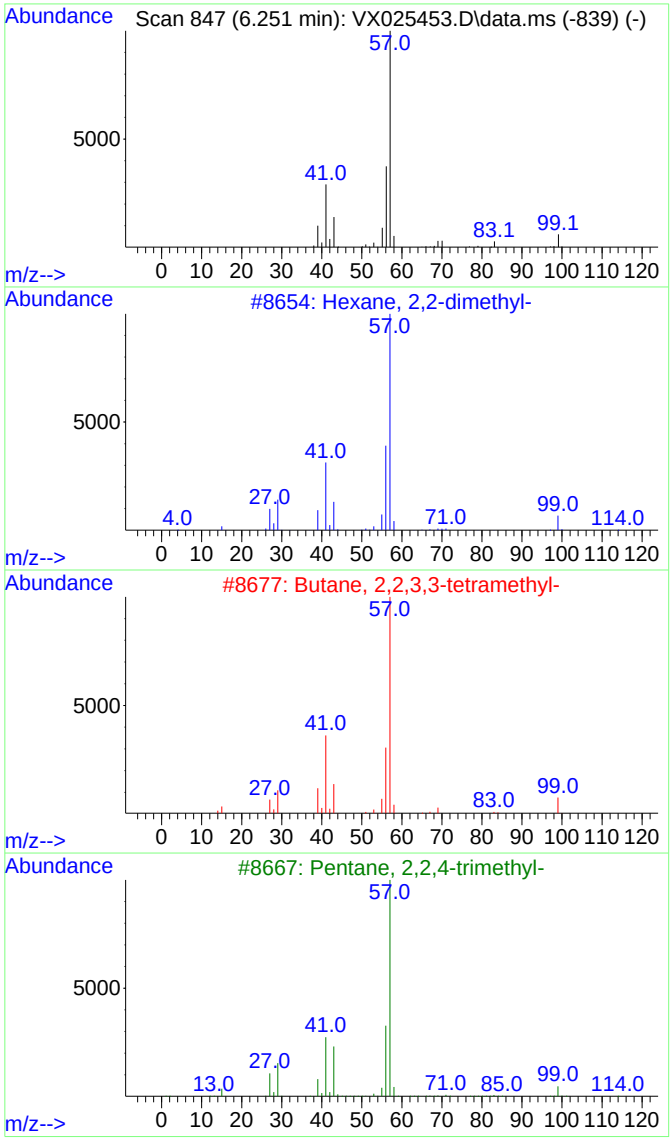
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260

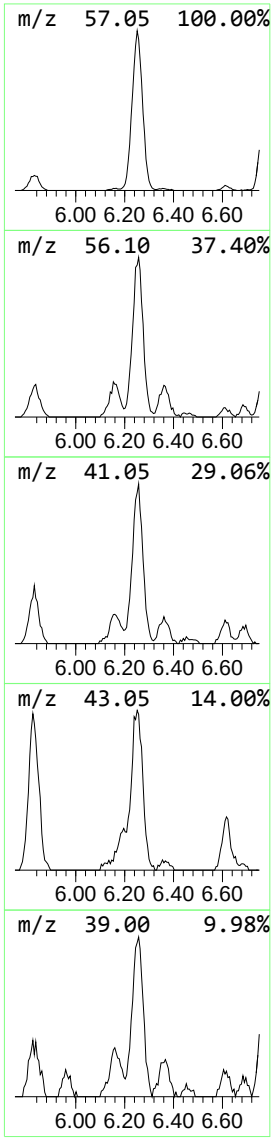
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexane, 2,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.251	16.00 ug/l	122020	1,4-Difluorobenzene	6.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	59
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59





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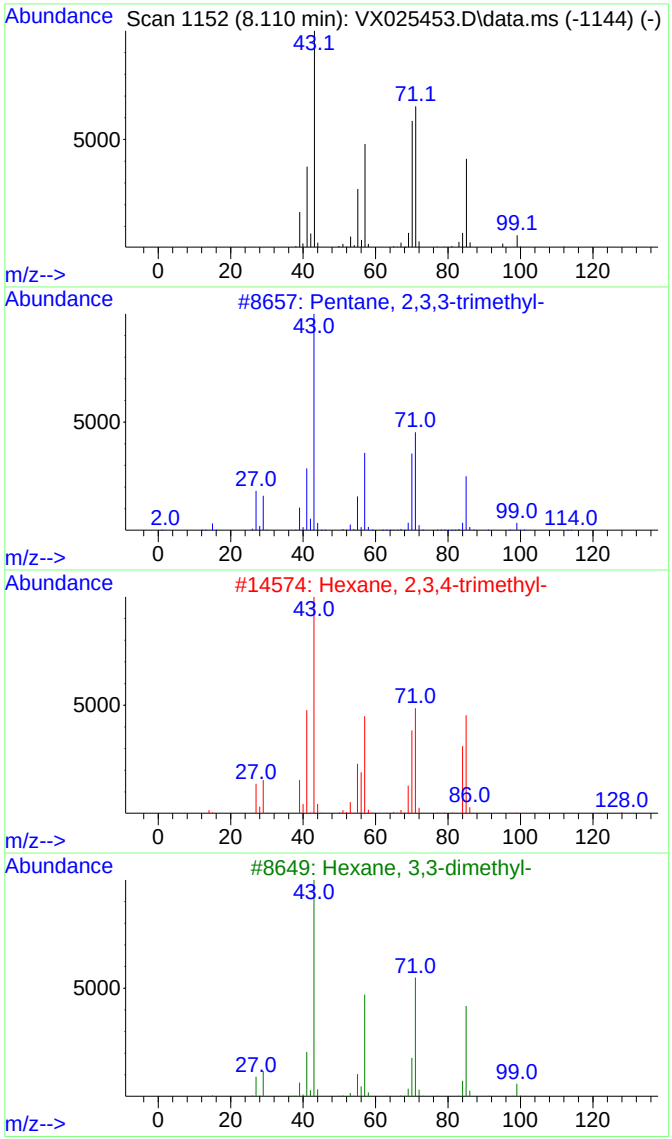
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260

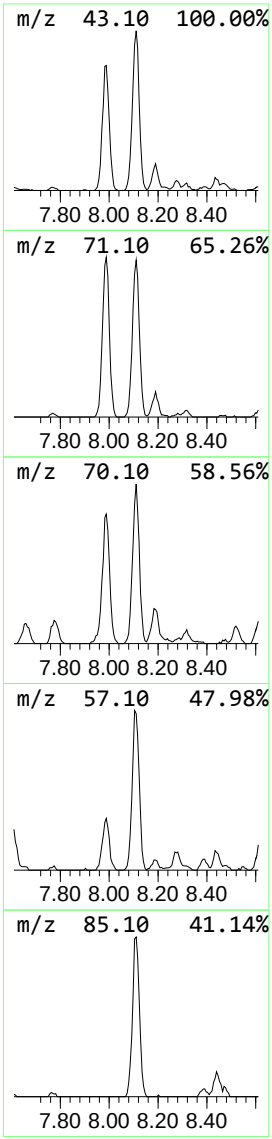
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.110	15.40 ug/l	117452	1,4-Difluorobenzene	6.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	78
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	53
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	50





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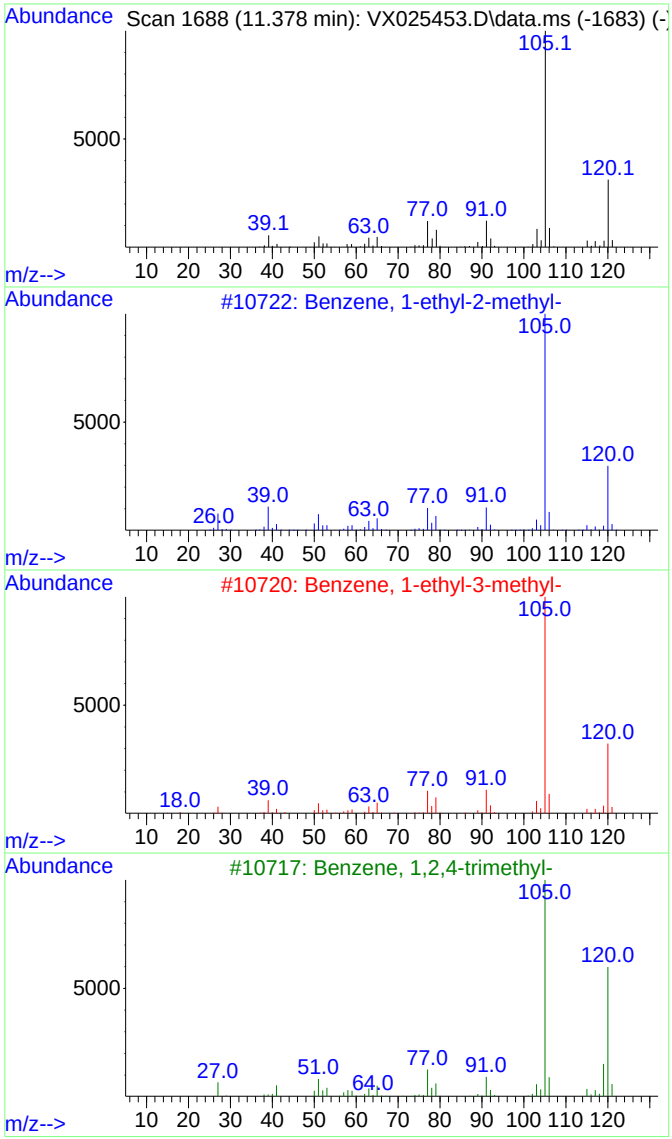
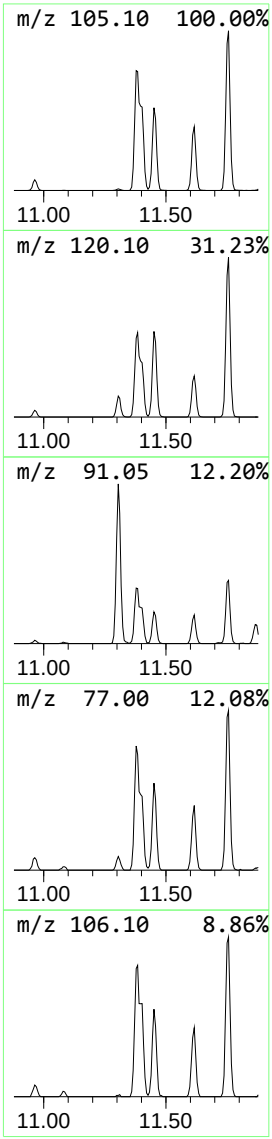
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.378	38.37 ug/l	345485	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





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ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-33

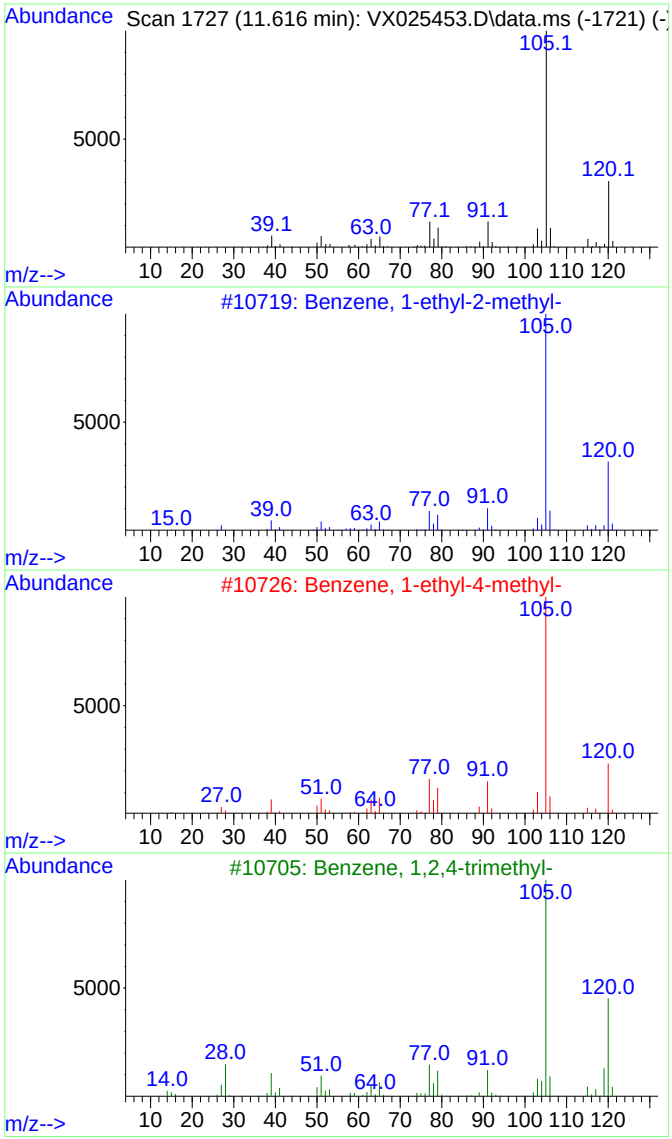
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260

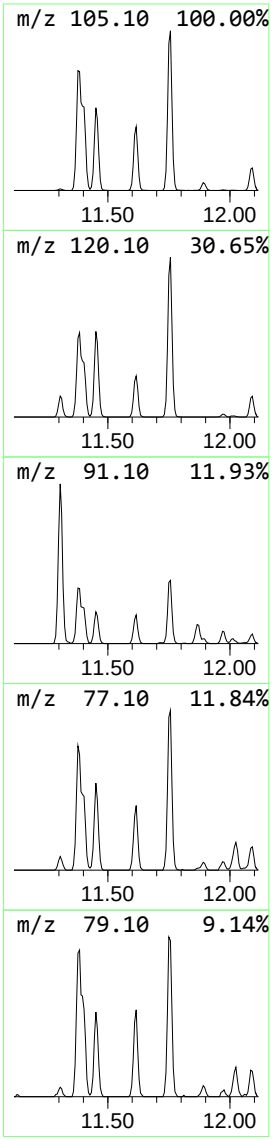
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.616	16.02 ug/l	144277	1,4-Dichlorobenzene-d4	12.024

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-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Instrument :
MSVOA_X
ClientSampleId :
MW-33

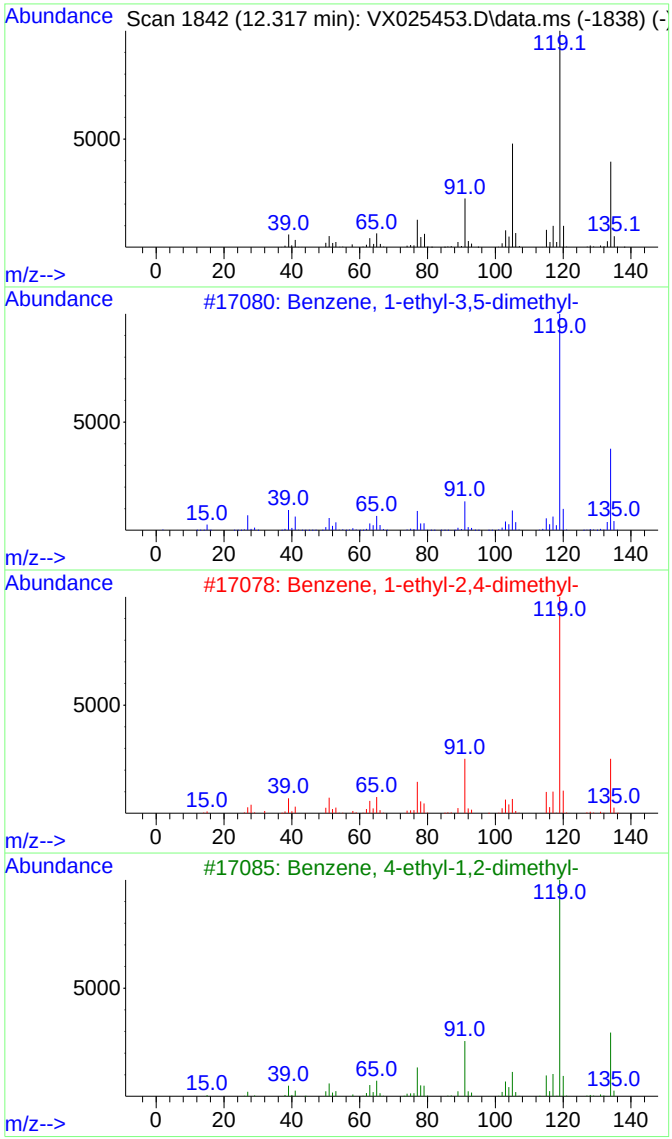
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260

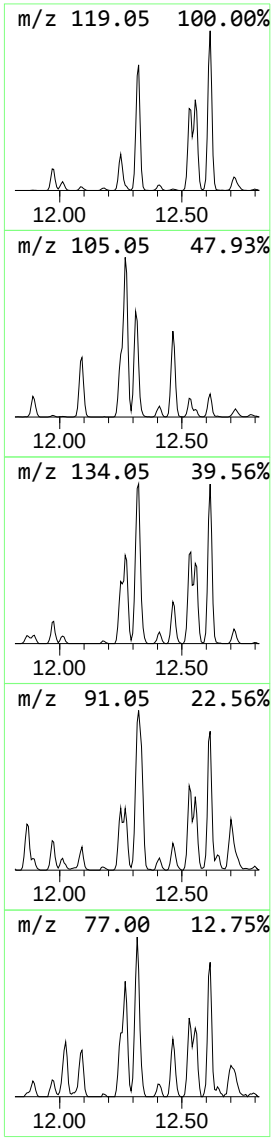
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.317	31.01 ug/l	279241	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
Data File : VX025453.D
Acq On : 03 Dec 2021 01:43
Operator : JC/MD
Sample : M4917-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-33

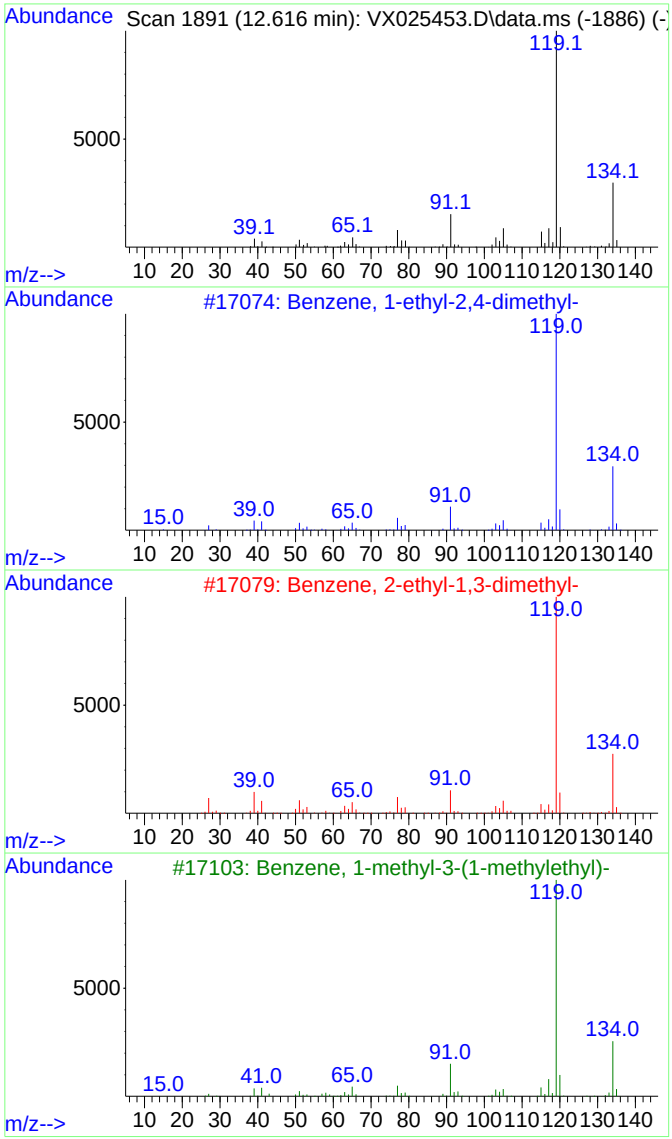
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260

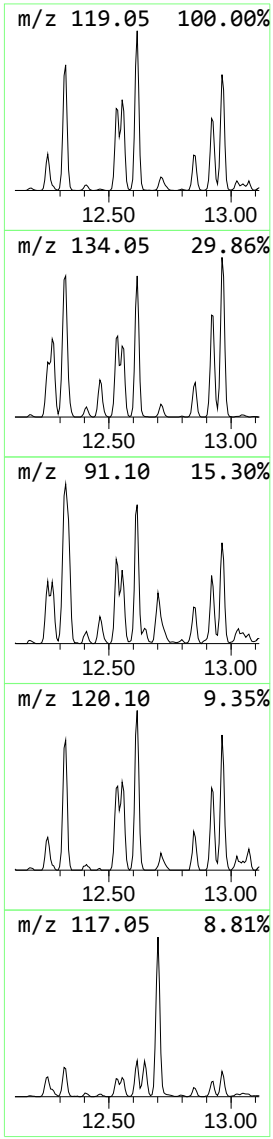
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.616	24.29 ug/l	218742	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
Data File : VX025453.D
Acq On : 03 Dec 2021 01:43
Operator : JC/MD
Sample : M4917-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-33

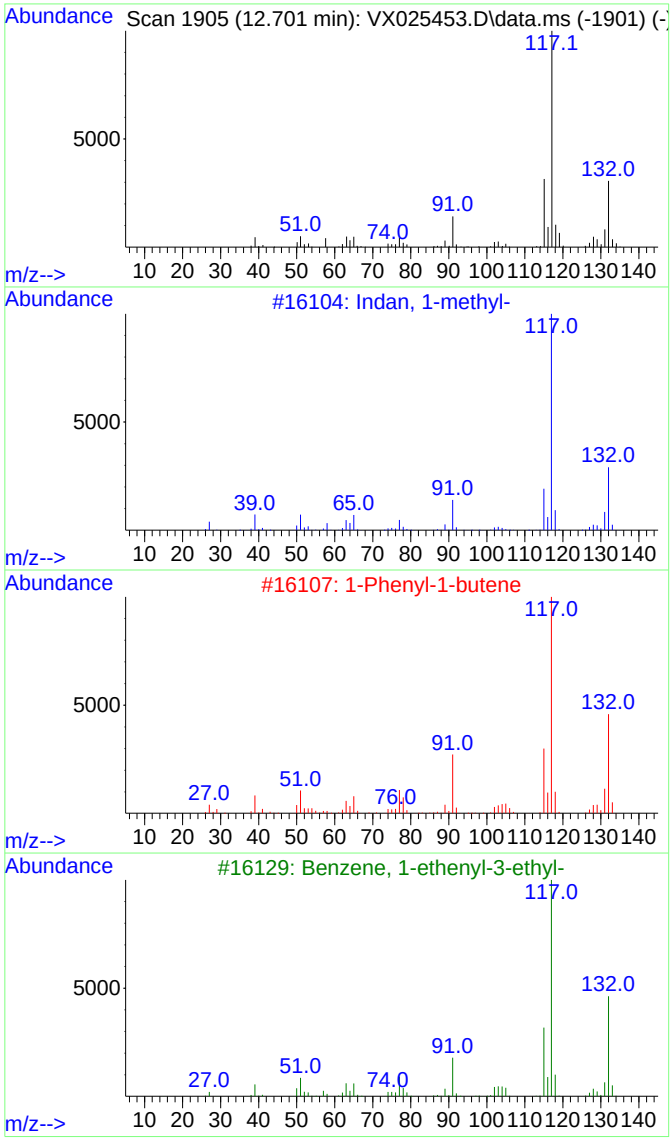
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260

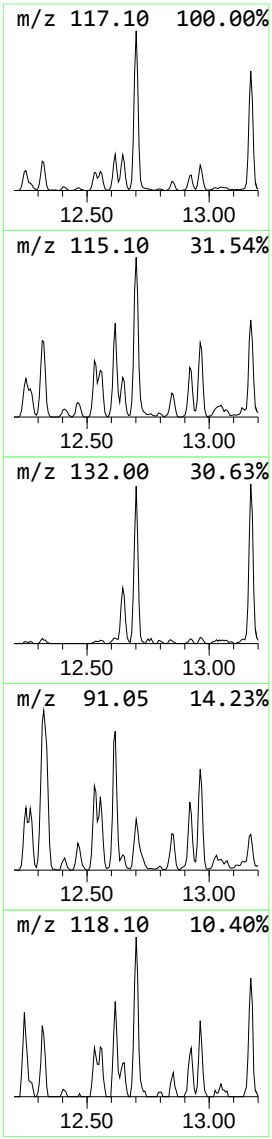
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Indan, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.701	15.02 ug/l	135270	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	90
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
Data File : VX025453.D
Acq On : 03 Dec 2021 01:43
Operator : JC/MD
Sample : M4917-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-33

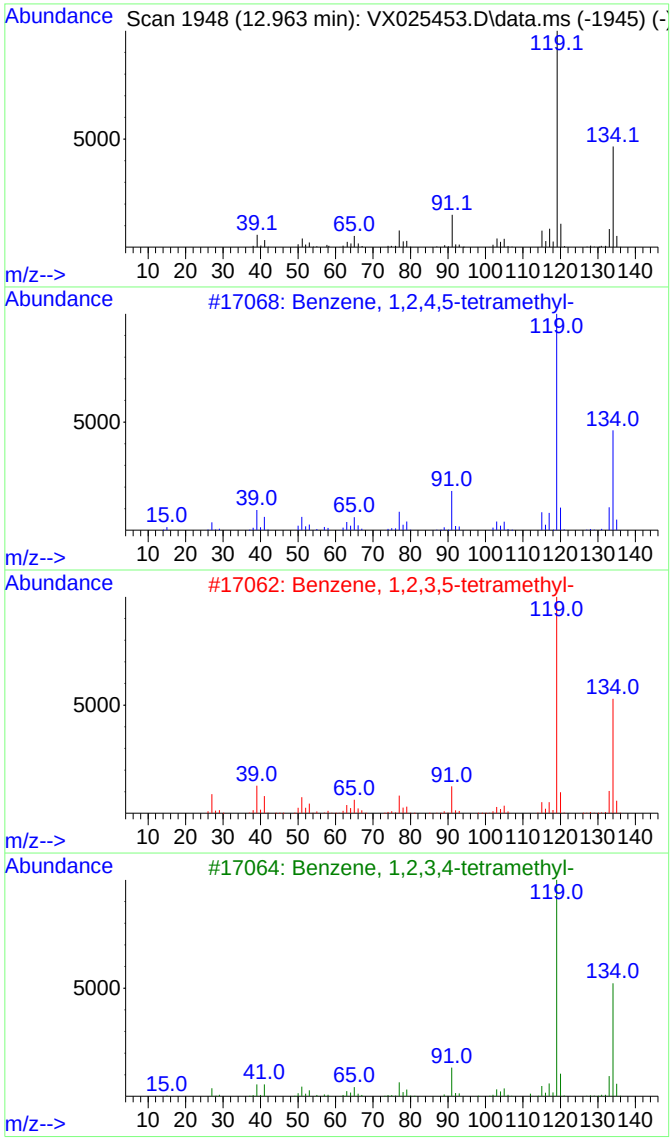
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260

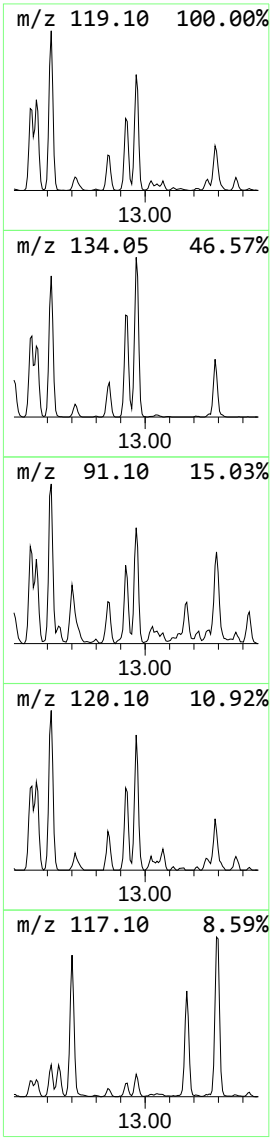
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.963	19.38 ug/l	174513	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
Data File : VX025453.D
Acq On : 03 Dec 2021 01:43
Operator : JC/MD
Sample : M4917-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-33

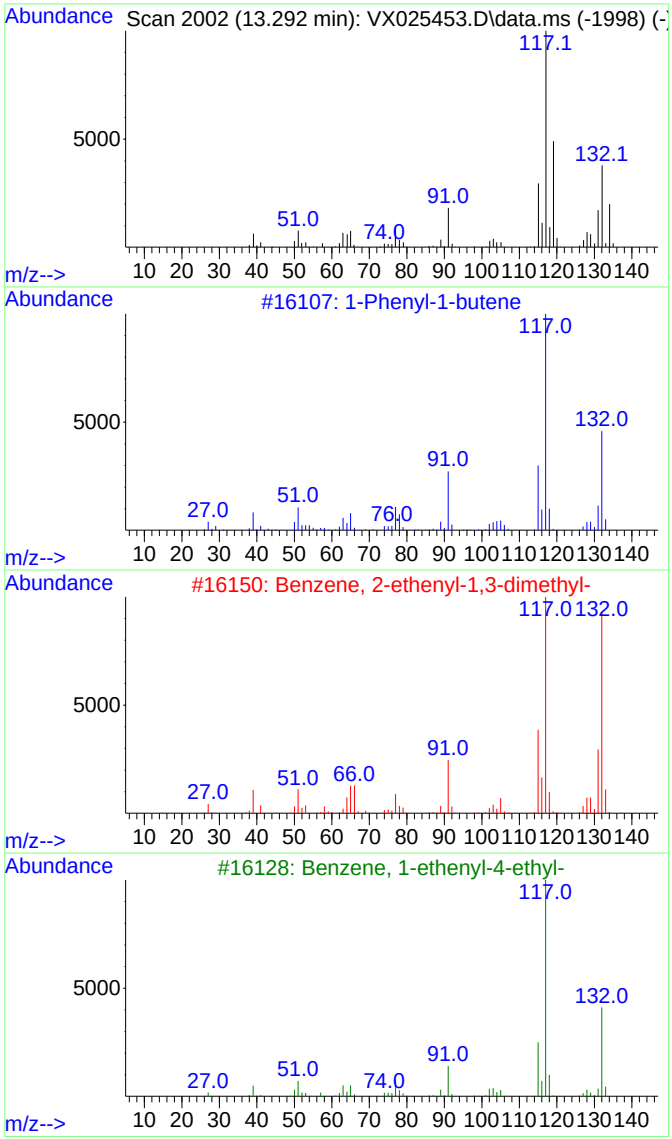
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260

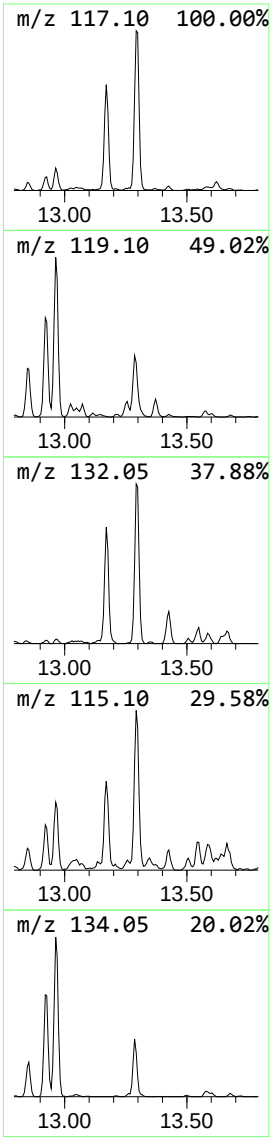
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1-Phenyl-1-butene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	23.12 ug/l	208238	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	86
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	70
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120221\
Data File : VX025453.D
Acq On : 03 Dec 2021 01:43
Operator : JC/MD
Sample : M4917-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-33

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.240	19.5	ug/l	122144	1	5.556	313659	50.0
Hexane, 2,2-dim...	6.251	16.0	ug/l	122020	2	6.763	381368	50.0
Pentane, 2,3,3-...	8.110	15.4	ug/l	117452	2	6.763	381368	50.0
Benzene, 1-ethy...	11.378	38.4	ug/l	345485	4	12.024	450252	50.0
Benzene, 1-ethy...	11.616	16.0	ug/l	144277	4	12.024	450252	50.0
Benzene, 1-ethy...	12.317	31.0	ug/l	279241	4	12.024	450252	50.0
Benzene, 1-ethy...	12.616	24.3	ug/l	218742	4	12.024	450252	50.0
Indan, 1-methyl-	12.701	15.0	ug/l	135270	4	12.024	450252	50.0
Benzene, 1,2,4,...	12.963	19.4	ug/l	174513	4	12.024	450252	50.0
1-Phenyl-1-butene	13.292	23.1	ug/l	208238	4	12.024	450252	50.0