LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
Data File : VX004898.D
Acq On : 02 Oct 2018 04:24
Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-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_X\METHOD\82X092618W.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	1.319	18	27	33	rBV3	27213	111128	7.88%	1.083%
2	1.782	100	103	113	rVB2	14750	23380	1.66%	0.228%
3	2.391	198	203	208	rVV2	14943	28276	2.00%	0.276%
4	2.446	208	212	218	rVB	11121	17394	1.23%	0.170%
5	2.617	235	240	251	rVB	44240	77924	5.52%	0.760%
6	2.843	270	277	288	rVB	49862	114228	8.10%	1.114%
7	3.019	300	306	315	rVB	9383	22611	1.60%	0.220%
8	3.166	324	330	342	rVB3	13041	36162	2.56%	0.353%
9	4.300	505	516	528	rBV	18677	60744	4.31%	0.592%
10	5.501	701	713	727	rBV	169408	484786	34.37%	4.726%
11	5.665	728	740	747	rBV	207774	626347	44.40%	6.106%
12	6.068	795	806	822	rBV	184297	477001	33.82%	4.650%
13	6.342	831	851	863	rBV	56430	188441	13.36%	1.837%
14	6.860	925	936	957	rBV	346553	861489	61.07%	8.398%
15	7.445	1023	1032	1042	rVB4	10650	27008	1.91%	0.263%
16	7.573	1045	1053	1058	rBV3	8093	18085	1.28%	0.176%
17	7.634	1058	1063	1067	rBV2	9981	19282	1.37%	0.188%
18	7.848	1091	1098	1104	rBV3	14338	29892	2.12%	0.291%
19	8.055	1120	1132	1143	rBV	51734	115202	8.17%	1.123%
20	8.177	1144	1152	1159	rBV	55054	110674	7.85%	1.079%
21	8.256	1159	1165	1169	rBV2	12300	20057	1.42%	0.196%
22	8.384	1180	1186	1192	rVB4	8056	16343	1.16%	0.159%
23	8.671	1225	1233	1234	rBV4	20279	32020	2.27%	0.312%
24	8.714	1234	1240	1256	rVV	819270	1410601	100.00%	13.751%
25	8.835	1256	1260	1264	rVB4	9131	16812	1.19%	0.164%
26	9.043	1288	1294	1305	rVB2	29827	51042	3.62%	0.498%
27	9.165	1306	1314	1319	rBV2	15089	26984	1.91%	0.263%
28	9.573	1374	1381	1386	rBV4	14863	33892	2.40%	0.330%
29	9.677	1394	1398	1402	rBV	23070	37457	2.66%	0.365%
30	9.890	1425	1433	1440	rBV6	11872	25799	1.83%	0.251%
31	10.116	1464	1470	1486	rBV	747934	1074945	76.20%	10.479%
32	10.250	1486	1492	1497	rVB4	9840	20404	1.45%	0.199%
33	10.329	1502	1505	1507	rVV3	11804	17385	1.23%	0.169%
34	10.360	1507	1510	1516	rVV3	21358	43202	3.06%	0.421%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
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Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-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_X\METHOD\82X092618W.M
Title : SW846 8260

35	10.414	1516	1519	1530	rVB8	8434	21473	1.52%	0.209%
36	10.646	1546	1557	1564	rBV2	23766	57755	4.09%	0.563%
37	10.835	1580	1588	1593	rBV4	21099	40990	2.91%	0.400%
38	10.914	1596	1601	1612	rVB5	18969	38749	2.75%	0.378%
39	11.140	1632	1638	1644	rBV	785036	1011791	71.73%	9.863%
40	11.274	1657	1660	1665	rVB4	10311	15071	1.07%	0.147%
41	11.359	1669	1674	1682	rBV	24400	35027	2.48%	0.341%
42	11.451	1684	1689	1696	rVV8	6692	14955	1.06%	0.146%
43	11.670	1721	1725	1732	rVB4	11731	19463	1.38%	0.190%
44	11.920	1759	1766	1768	rBV2	13175	20651	1.46%	0.201%
45	11.945	1768	1770	1774	rVV	16691	19963	1.42%	0.195%
46	12.079	1786	1792	1800	rBV	985129	1214681	86.11%	11.841%
47	12.304	1822	1829	1834	rBV	75561	101877	7.22%	0.993%
48	12.365	1835	1839	1849	rVB2	57147	98425	6.98%	0.959%
49	12.463	1849	1855	1860	rBV	10294	16858	1.20%	0.164%
50	12.524	1860	1865	1871	rVB3	40119	66883	4.74%	0.652%
51	12.670	1881	1889	1892	rBV	100049	127477	9.04%	1.243%
52	12.701	1892	1894	1899	rVV2	10417	14335	1.02%	0.140%
53	12.755	1899	1903	1911	rVV3	48461	92332	6.55%	0.900%
54	12.908	1924	1928	1932	rVB3	30887	37676	2.67%	0.367%
55	12.975	1932	1939	1944	rBV	69055	98236	6.96%	0.958%
56	13.079	1952	1956	1964	rVB2	33990	49342	3.50%	0.481%
57	13.170	1964	1971	1973	rBV2	17439	31901	2.26%	0.311%
58	13.225	1977	1980	1985	rVB	40190	44122	3.13%	0.430%
59	13.316	1990	1995	1997	rVV2	16574	23604	1.67%	0.230%
60	13.347	1997	2000	2005	rVV2	85134	130572	9.26%	1.273%
61	13.426	2009	2013	2019	rVV	39027	50712	3.60%	0.494%
62	13.560	2031	2035	2038	rBV2	15544	21779	1.54%	0.212%
63	13.603	2038	2042	2044	rVV	34360	45860	3.25%	0.447%
64	13.639	2044	2048	2052	rVV2	49585	76502	5.42%	0.746%
65	13.725	2052	2062	2068	rVB3	36295	91841	6.51%	0.895%
66	13.981	2098	2104	2109	rBV3	23981	44335	3.14%	0.432%
67	14.030	2109	2112	2115	rVV	18206	25168	1.78%	0.245%
68	14.133	2124	2129	2133	rBV	30157	38416	2.72%	0.374%
69	14.274	2147	2152	2156	rBV	33237	51908	3.68%	0.506%
70	14.377	2165	2169	2174	rBV	19501	25228	1.79%	0.246%
71	14.432	2174	2178	2182	rVB	26278	33090	2.35%	0.323%

LSC Area Percent Report

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Acq On : 02 Oct 2018 04:24
Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-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_X\METHOD\82X092618W.M
Title : SW846 8260

72	14.840	2240	2245	2249	rBV	23494	32241	2.29%	0.314%

Sum of corrected areas: 10258286

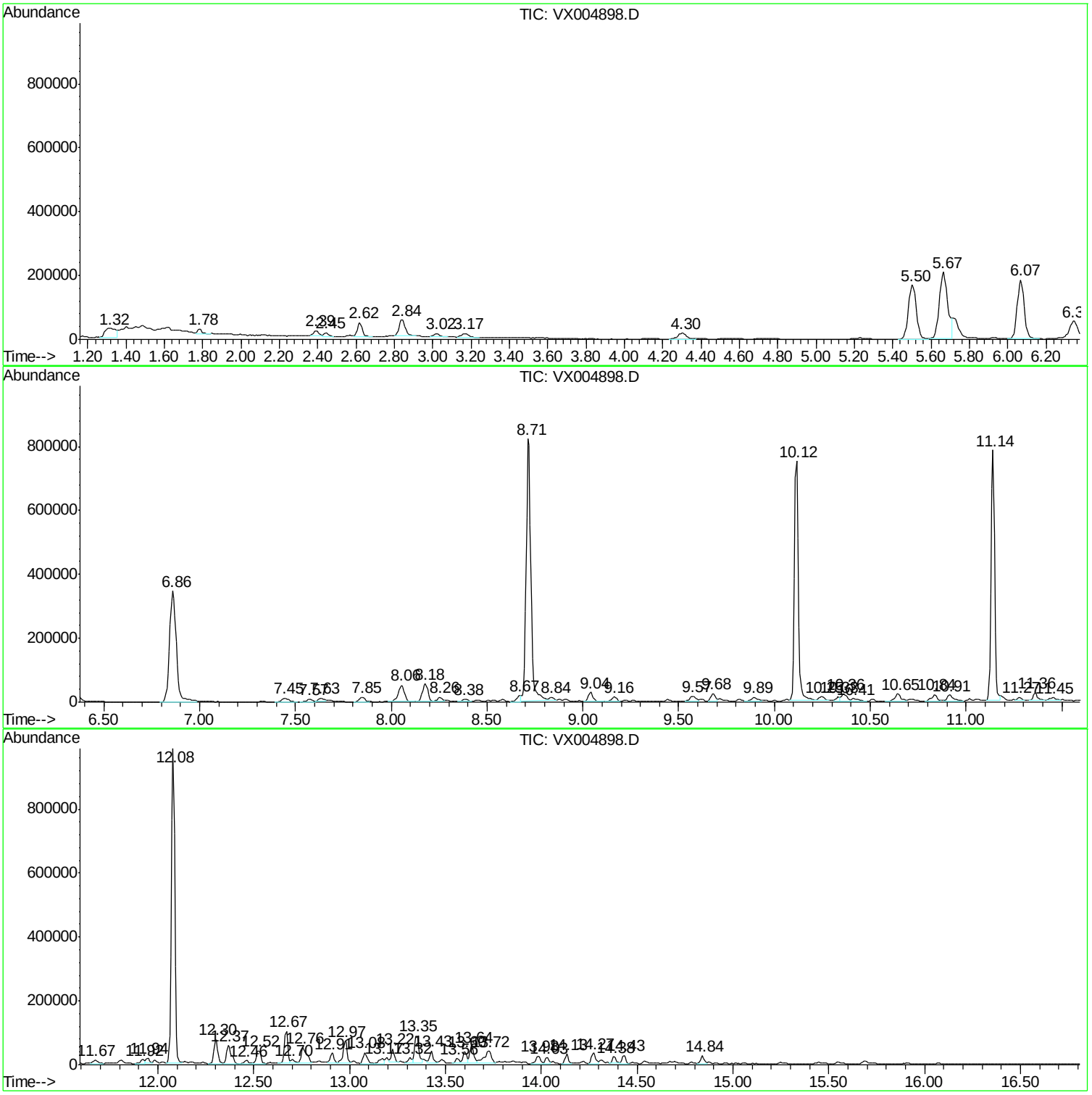
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004898.D
Acq On : 02 Oct 2018 04:24
Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004898.D
Acq On : 02 Oct 2018 04:24
Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

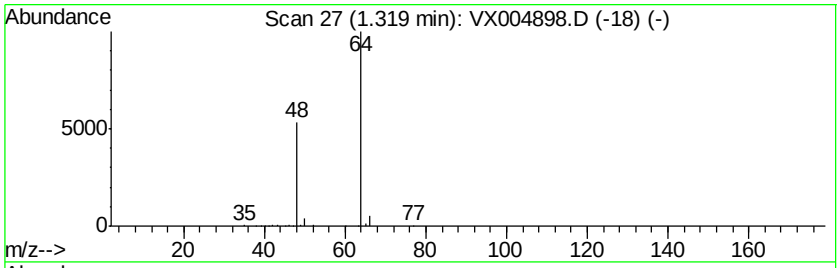
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

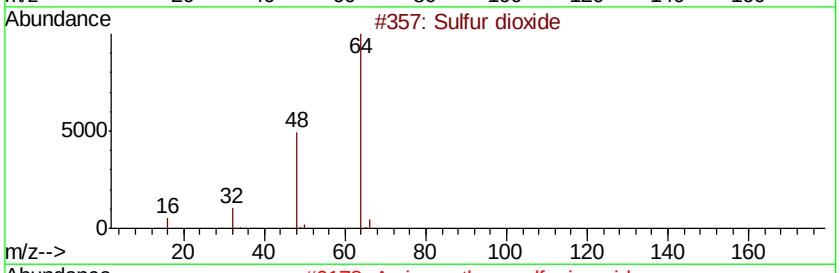
****

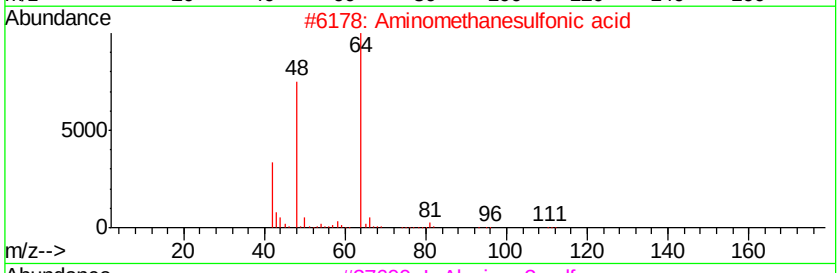
Peak Number 1 Sulfur dioxide Concentration Rank 3

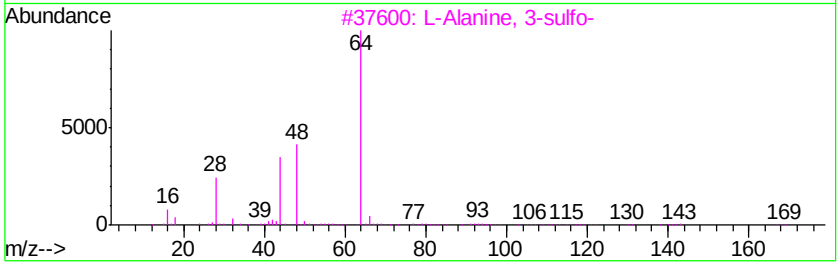
R.T.	EstConc	Area	Relative to ISTD	R.T.
1.32	8.87 ug/l	111128	Pentafluorobenzene	5.67

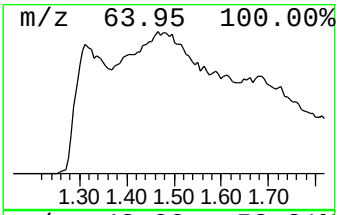
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	5
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3

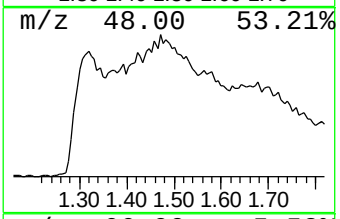


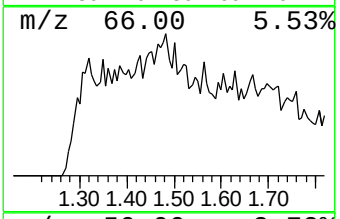


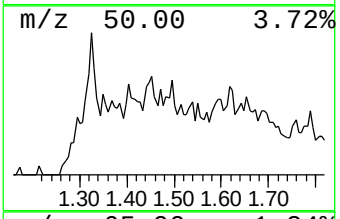


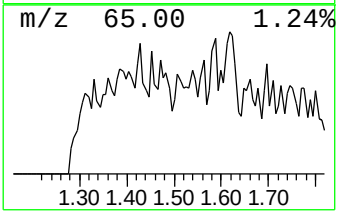












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004898.D
Acq On : 02 Oct 2018 04:24
Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

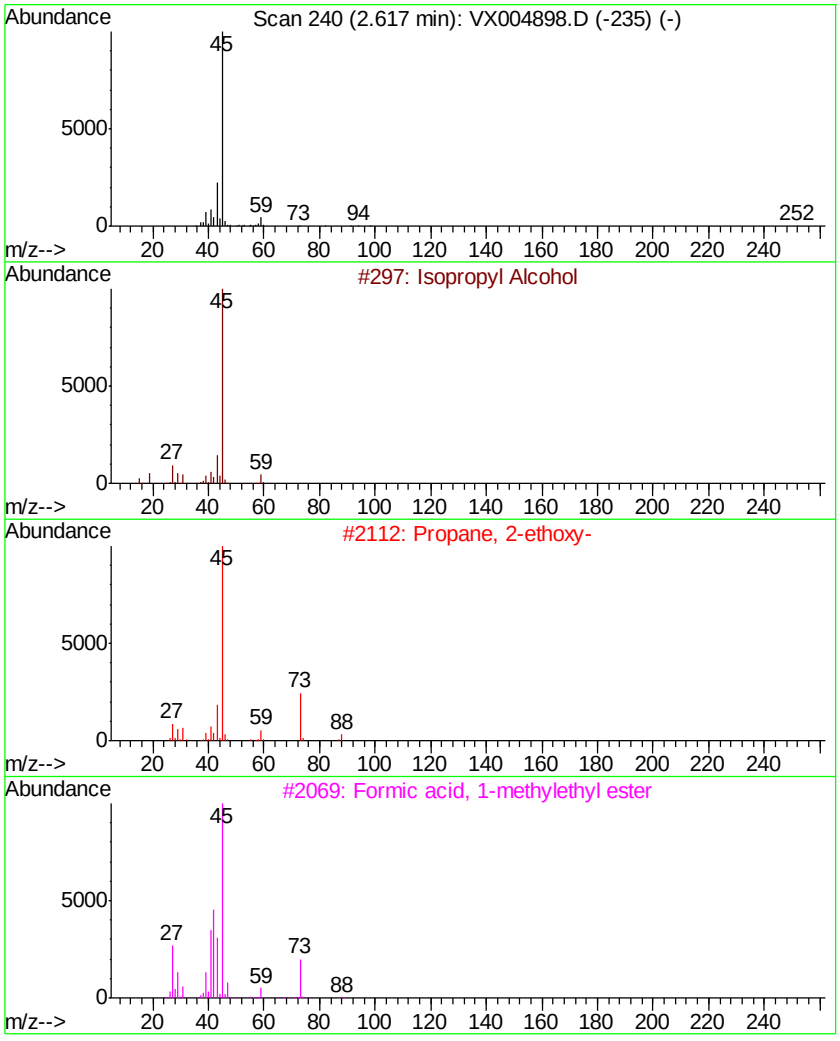
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

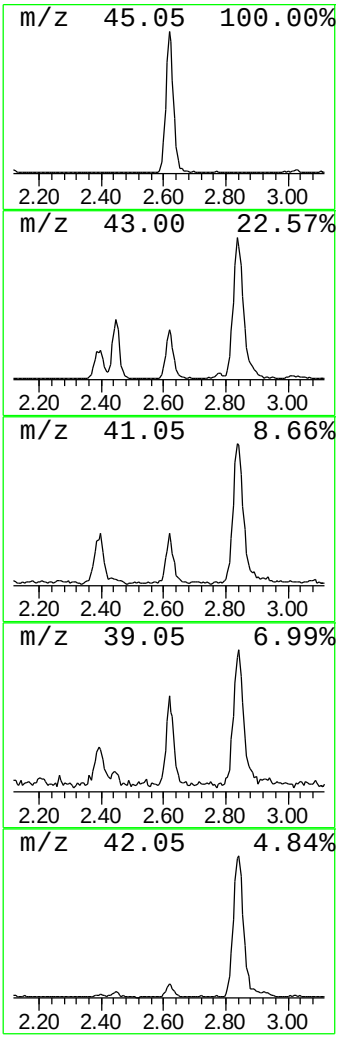
****

Peak Number 2 Isopropyl Alcohol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.62	6.22 ug/l	77924	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	86
2	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56
3	Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	40
4	(R)-(-)-3-Methyl-2-butanol	88	C5H12O	001572-93-6	9
5	3-Ethyl-2-pentanol	116	C7H16O	000609-27-8	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
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Sample : J5084-24
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ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

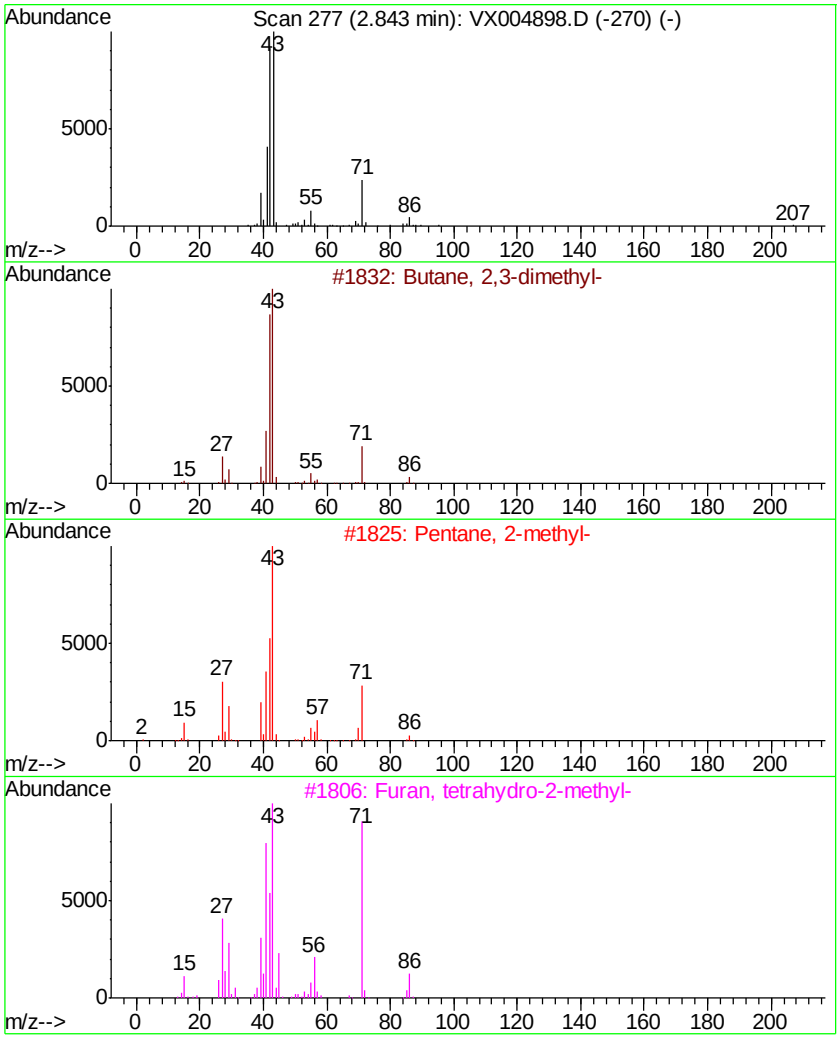
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

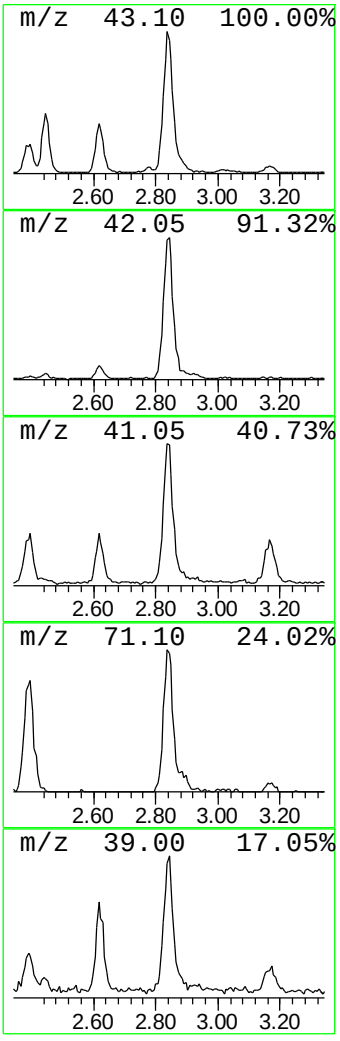
****

Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.84	9.12 ug/l	114228	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	38
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	10
4	Ether, 3-butenyl pentyl	142	C9H18O	034061-78-4	9
5	Propanoic acid, 2-methyl-, 2-pro...	128	C7H12O2	015727-77-2	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004898.D
Acq On : 02 Oct 2018 04:24
Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

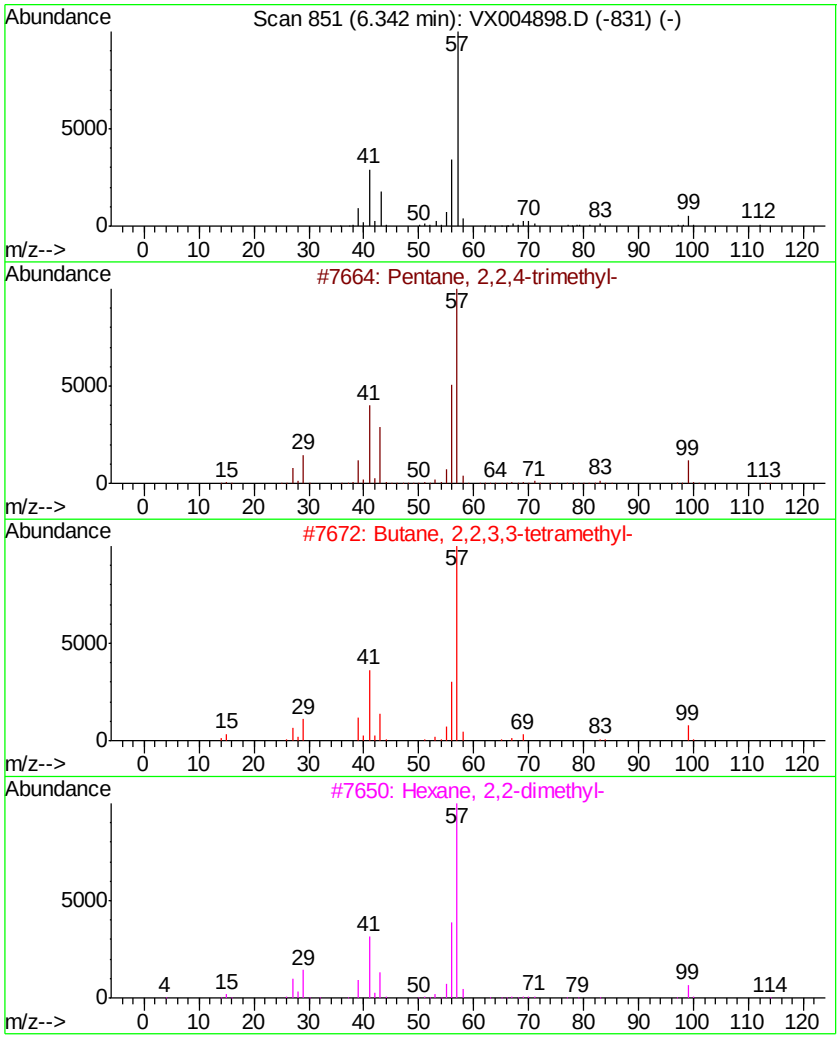
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

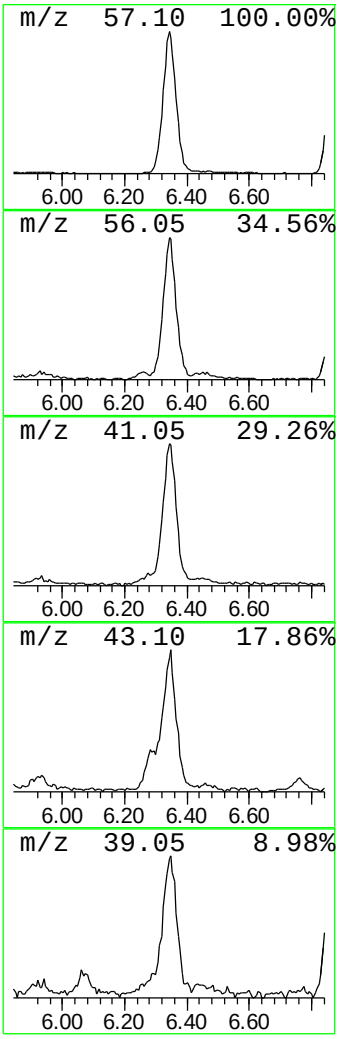
****

Peak Number 4 Pentane, 2,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	10.94 ug/l	188441	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004898.D
Acq On : 02 Oct 2018 04:24
Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

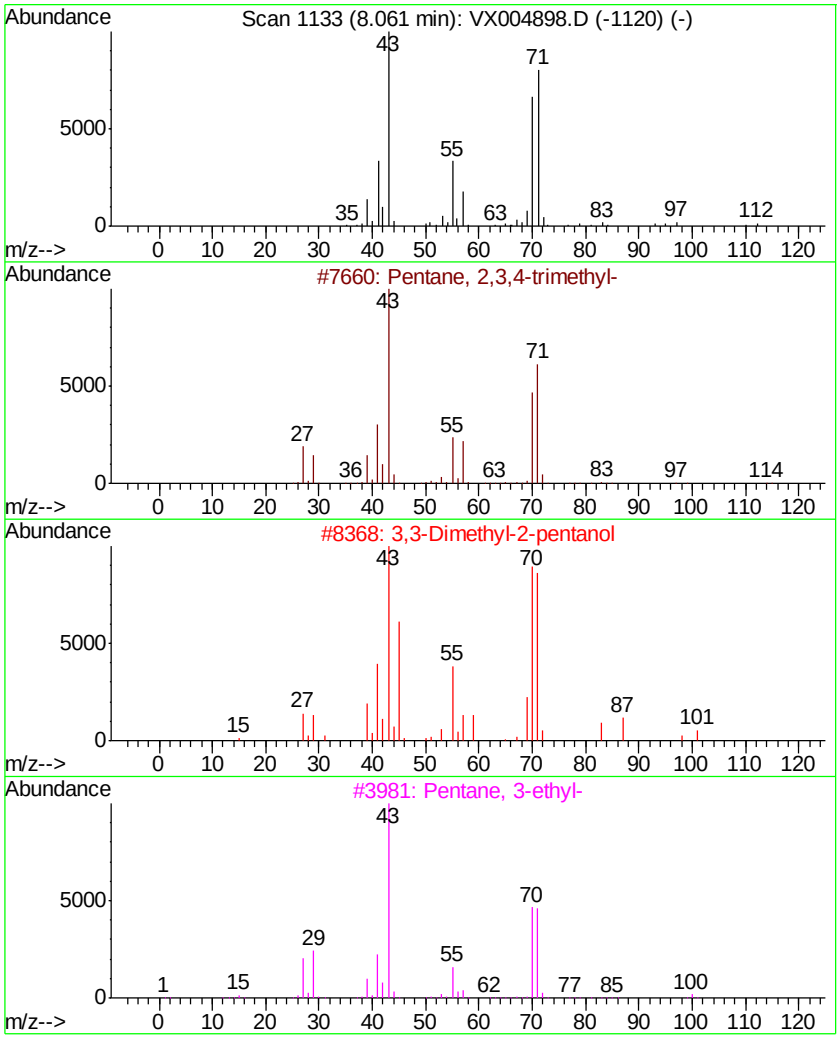
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

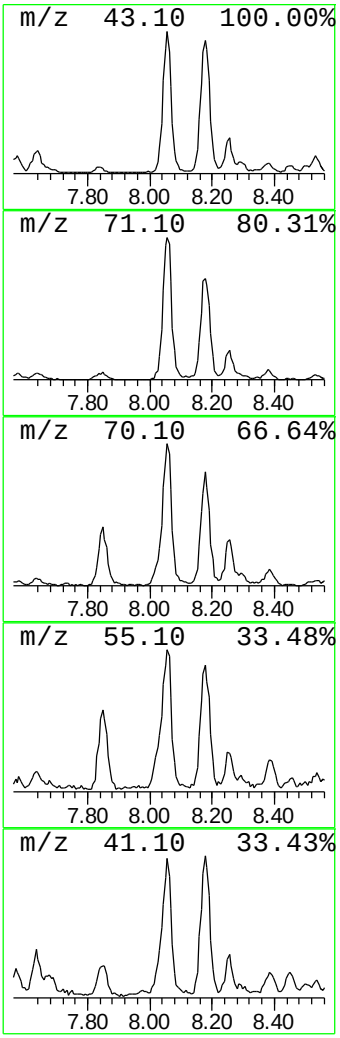
****

Peak Number 5 Pentane, 2,3,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	6.69 ug/l	115202	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	83
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
4	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004898.D
Acq On : 02 Oct 2018 04:24
Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

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

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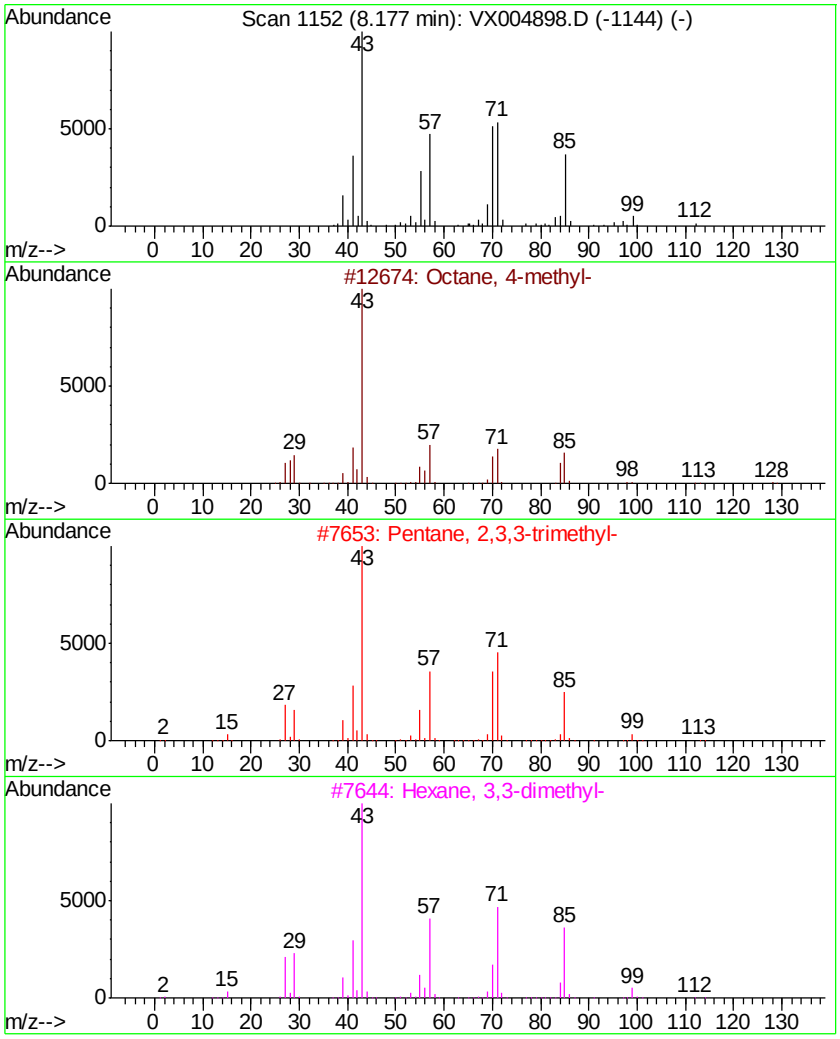
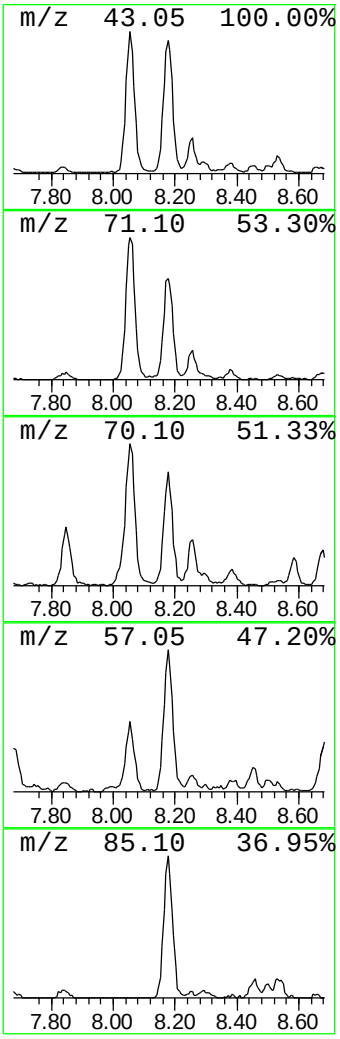
Peak Number 6 Octane, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	6.42 ug/l	110674	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	78
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004898.D
Acq On : 02 Oct 2018 04:24
Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

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

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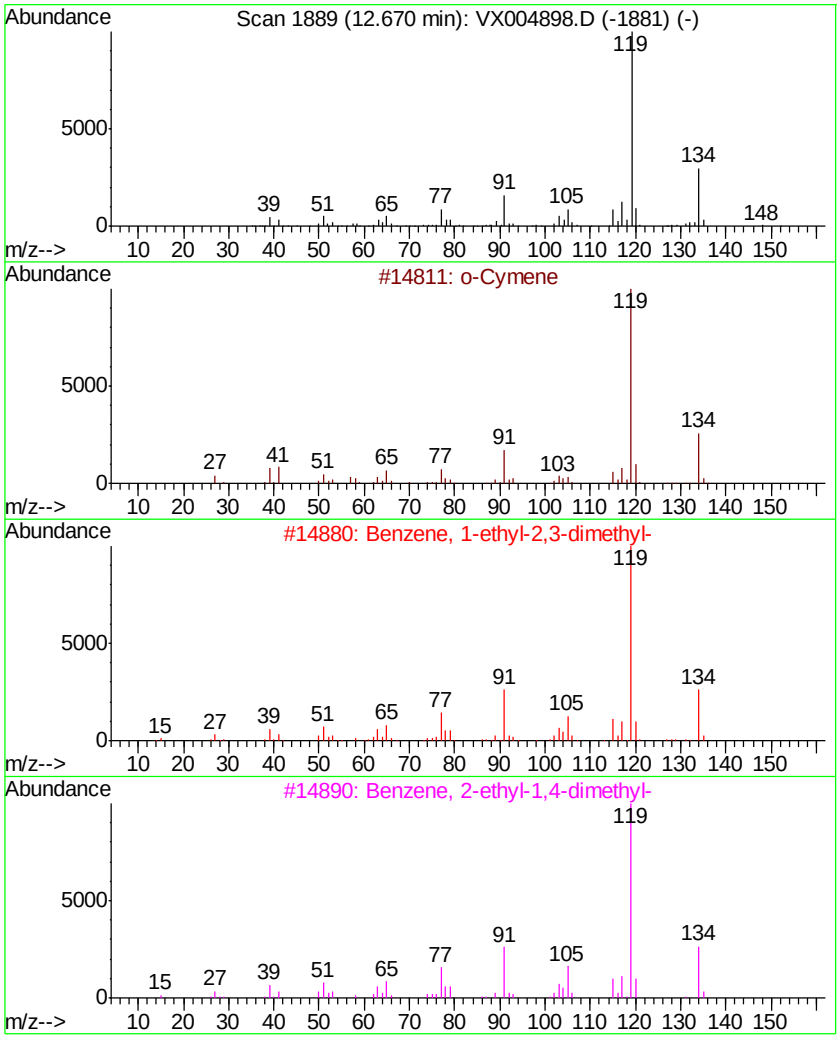
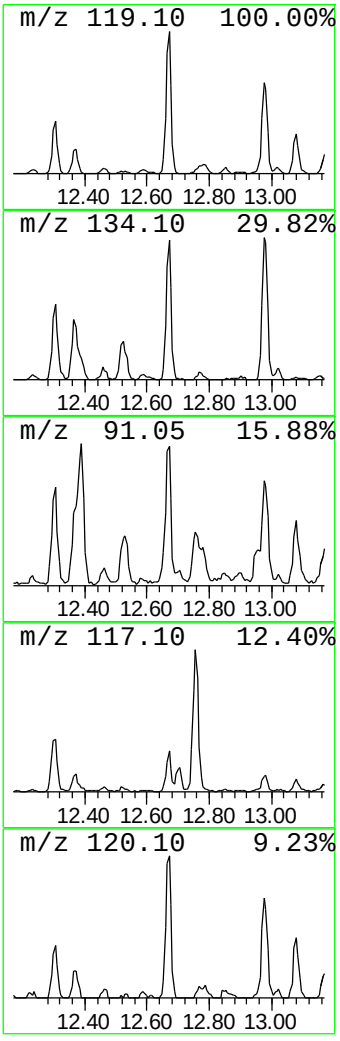
Peak Number 7 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	5.25 ug/l	127477	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004898.D
Acq On : 02 Oct 2018 04:24
Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260

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

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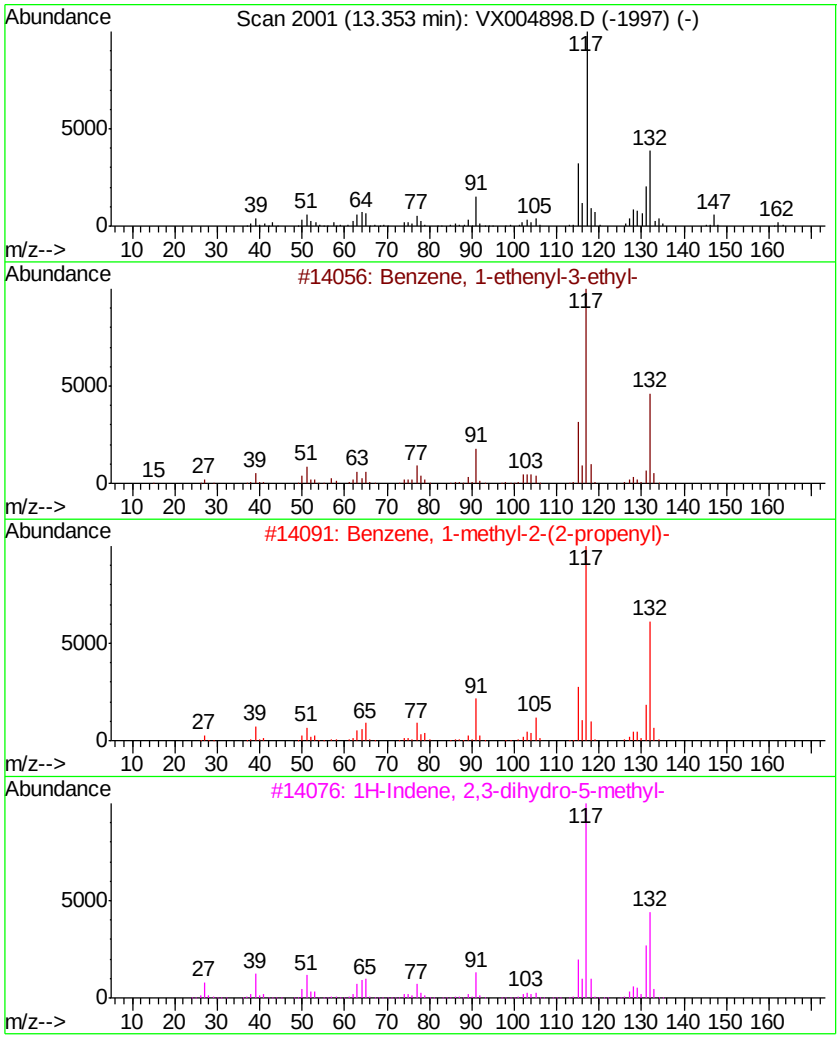
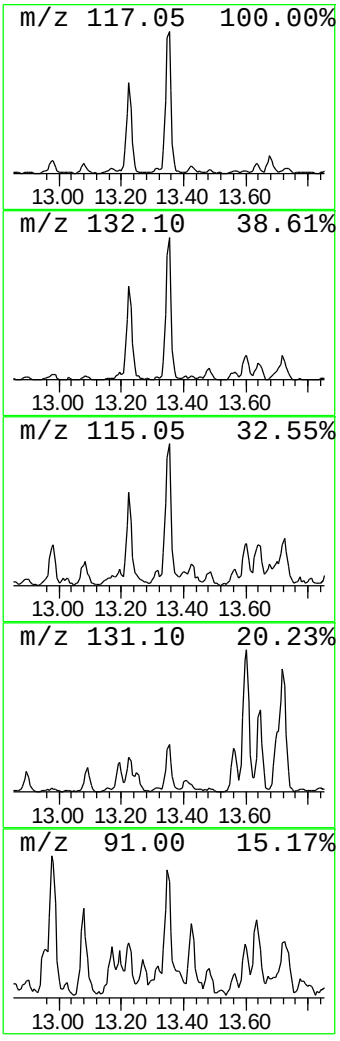
Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	5.37 ug/l	130572	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004898.D
Acq On : 02 Oct 2018 04:24
Operator : JC/MD
Sample : J5084-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : B-11(TW-3)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.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	1.32	8.9	ug/l	111128	1	5.67	626347	50.0
Isopropyl Alcohol	2.62	6.2	ug/l	77924	1	5.67	626347	50.0
Butane, 2,3-dimet...	2.84	9.1	ug/l	114228	1	5.67	626347	50.0
Pentane, 2,2,4-tr...	6.34	10.9	ug/l	188441	2	6.86	861489	50.0
Pentane, 2,3,4-tr...	8.06	6.7	ug/l	115202	2	6.86	861489	50.0
Octane, 4-methyl-	8.18	6.4	ug/l	110674	2	6.86	861489	50.0
o-Cymene	12.67	5.3	ug/l	127477	4	12.08	1214680	50.0
Benzene, 1-etheny...	13.35	5.4	ug/l	130572	4	12.08	1214680	50.0