LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
Data File : VX012590.D
Acq On : 21 Sep 2019 04:49
Operator : JC/SP
Sample : K4978-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0164

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\82X091719W.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	1.070	26	30	39	rBV	446033	531652	57.15%	7.489%
2	1.265	58	62	67	rBV	71039	82644	8.88%	1.164%
3	2.436	245	254	265	rVB	4629	11297	1.21%	0.159%
4	2.594	272	280	287	rBV	37646	69505	7.47%	0.979%
5	5.490	744	755	766	rBV2	98435	284253	30.56%	4.004%
6	5.648	770	781	799	rVB	198652	567737	61.03%	7.998%
7	6.057	838	848	859	rBV	120815	321231	34.53%	4.525%
8	6.343	886	895	905	rVB3	13068	42001	4.51%	0.592%
9	6.849	969	978	993	rBV	294355	695481	74.76%	9.797%
10	7.441	1065	1075	1082	rBV10	3712	9901	1.06%	0.139%
11	7.843	1134	1141	1150	rBV4	6372	14007	1.51%	0.197%
12	8.050	1163	1175	1184	rBV2	27177	65802	7.07%	0.927%
13	8.172	1187	1195	1202	rBV	40420	78846	8.48%	1.111%
14	8.386	1223	1230	1236	rBV6	6168	12520	1.35%	0.176%
15	8.709	1268	1283	1294	rBV	587080	930268	100.00%	13.105%
16	8.837	1299	1304	1308	rBV2	11249	18793	2.02%	0.265%
17	9.038	1331	1337	1345	rVB2	29075	49035	5.27%	0.691%
18	9.160	1350	1357	1363	rBV2	11751	18598	2.00%	0.262%
19	9.568	1417	1424	1427	rBV4	10554	19070	2.05%	0.269%
20	9.672	1435	1441	1446	rBV	64139	100430	10.80%	1.415%
21	9.818	1457	1465	1471	rBV8	5475	10663	1.15%	0.150%
22	9.892	1471	1477	1489	rVB4	10454	21856	2.35%	0.308%
23	10.111	1507	1513	1519	rVV	537778	751264	80.76%	10.583%
24	10.245	1528	1535	1541	rBV	69876	102829	11.05%	1.449%
25	10.355	1544	1553	1559	rVB6	25045	57085	6.14%	0.804%
26	10.507	1573	1578	1585	rBV3	9953	16347	1.76%	0.230%
27	10.641	1588	1600	1608	rBV6	16314	47796	5.14%	0.673%
28	10.806	1622	1627	1629	rVV5	7213	11167	1.20%	0.157%
29	10.830	1629	1631	1636	rVV3	10412	12807	1.38%	0.180%
30	10.916	1639	1645	1652	rVV7	9396	18570	2.00%	0.262%
31	11.013	1656	1661	1665	rBV	57791	74376	8.00%	1.048%
32	11.056	1665	1668	1675	rVB7	5774	10223	1.10%	0.144%
33	11.135	1675	1681	1686	rBV	426597	568608	61.12%	8.010%
34	11.178	1686	1688	1692	rVB3	9858	11047	1.19%	0.156%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4978-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0164

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\82X091719W.M
Title : SW846 8260

35	11.275	1700	1704	1708	rVB3	16113	21422	2.30%	0.302%
36	11.355	1712	1717	1727	rBV	53161	71226	7.66%	1.003%
37	11.452	1727	1733	1736	rBV6	9000	15221	1.64%	0.214%
38	11.666	1760	1768	1777	rBV	72553	108389	11.65%	1.527%
39	11.916	1802	1809	1810	rBV6	6029	11293	1.21%	0.159%
40	11.940	1810	1813	1821	rVB2	15286	23464	2.52%	0.331%
41	12.074	1830	1835	1843	rBV	527839	655114	70.42%	9.229%
42	12.226	1855	1860	1865	rVB	11563	16984	1.83%	0.239%
43	12.294	1866	1871	1877	rVV2	33926	44773	4.81%	0.631%
44	12.361	1877	1882	1892	rVB7	13119	27713	2.98%	0.390%
45	12.452	1894	1897	1902	rBV2	9987	15011	1.61%	0.211%
46	12.513	1903	1907	1914	rVB	18612	24386	2.62%	0.344%
47	12.580	1914	1918	1922	rBV2	7336	12198	1.31%	0.172%
48	12.659	1926	1931	1934	rVV	15439	21451	2.31%	0.302%
49	12.696	1934	1937	1943	rVV4	10578	18915	2.03%	0.266%
50	12.757	1943	1947	1953	rVB4	30436	52535	5.65%	0.740%
51	12.891	1966	1969	1975	rVB3	8043	13465	1.45%	0.190%
52	12.976	1975	1983	1986	rBV4	16740	34698	3.73%	0.489%
53	13.013	1986	1989	1996	rVV2	13813	19641	2.11%	0.277%
54	13.074	1996	1999	2004	rVB4	10546	15022	1.61%	0.212%
55	13.153	2007	2012	2015	rBV3	5329	9989	1.07%	0.141%
56	13.299	2032	2036	2039	rBV3	9735	13695	1.47%	0.193%
57	13.342	2039	2043	2048	rVV2	50630	75472	8.11%	1.063%
58	13.470	2060	2064	2068	rVB6	4986	10460	1.12%	0.147%
59	13.629	2087	2090	2095	rBV5	7809	14866	1.60%	0.209%
60	13.805	2114	2119	2121	rBV5	6972	10629	1.14%	0.150%
61	13.830	2121	2123	2131	rVV2	7669	14886	1.60%	0.210%
62	13.915	2131	2137	2142	rVV5	8440	16274	1.75%	0.229%
63	13.976	2142	2147	2152	rVB9	4994	9496	1.02%	0.134%
64	14.269	2189	2195	2199	rBV7	8068	14720	1.58%	0.207%
65	14.427	2217	2221	2225	rVB6	6343	9509	1.02%	0.134%
66	14.537	2234	2239	2247	rBV6	7619	13796	1.48%	0.194%
67	14.836	2284	2288	2296	rVB2	17119	24371	2.62%	0.343%

Sum of corrected areas: 7098793

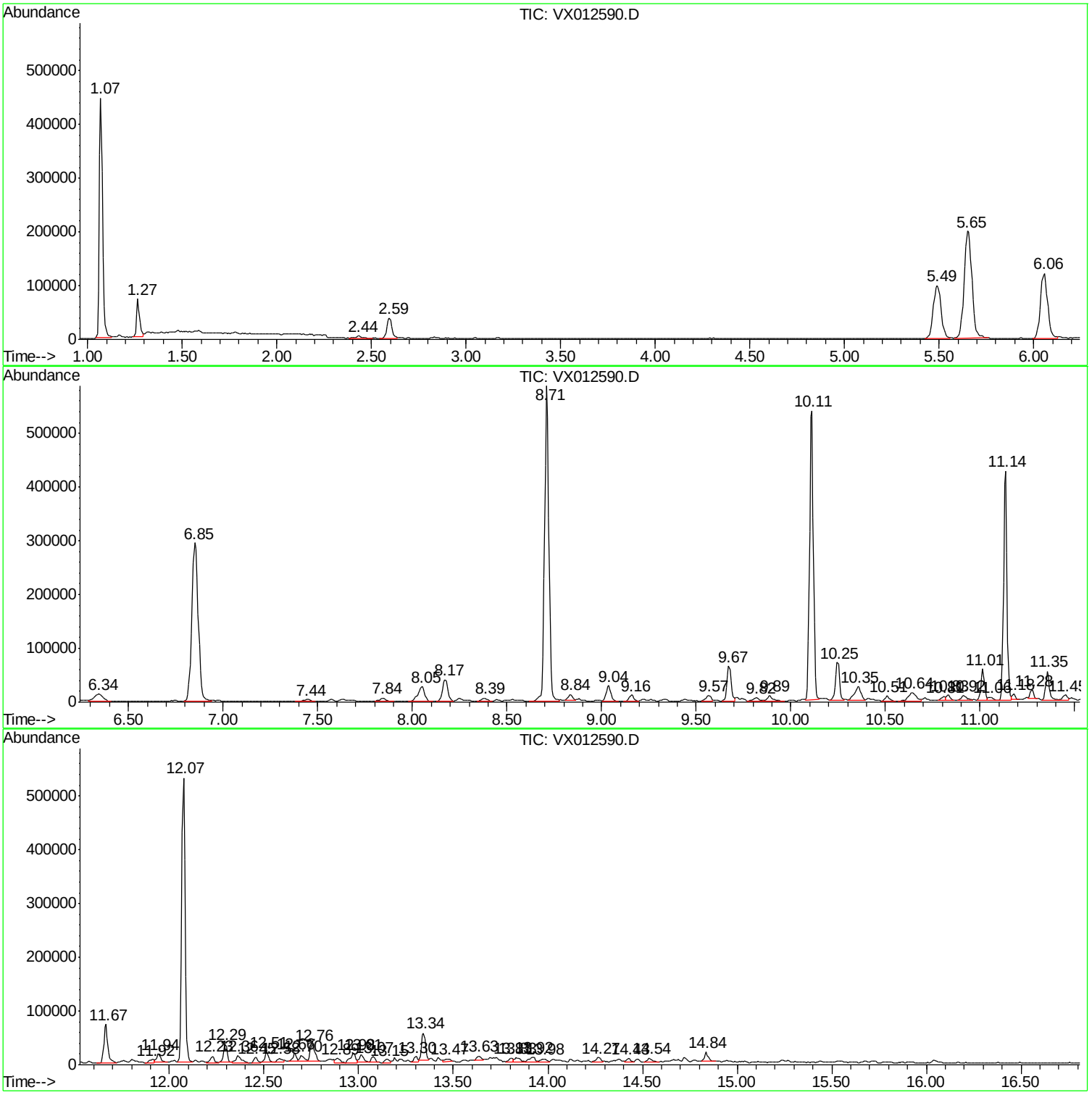
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092019\
Data File : VX012590.D
Acq On : 21 Sep 2019 04:49
Operator : JC/SP
Sample : K4978-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0164

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.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\VX092019\
Data File : VX012590.D
Acq On : 21 Sep 2019 04:49
Operator : JC/SP
Sample : K4978-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

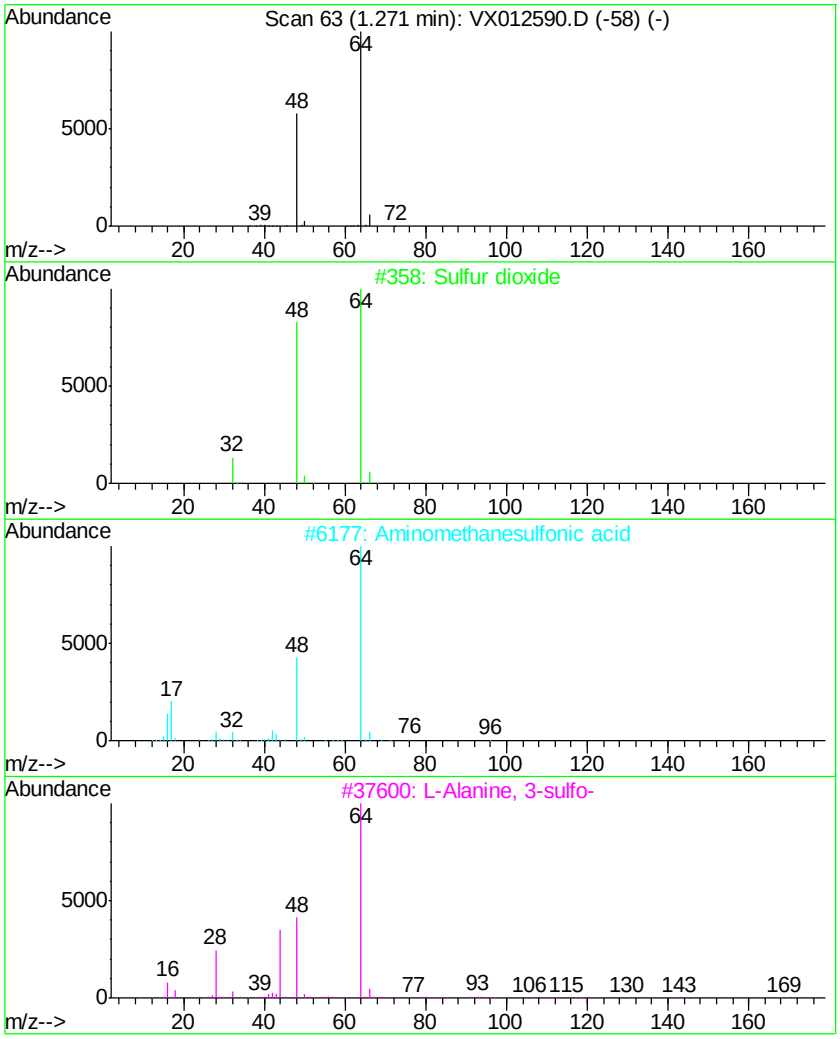
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

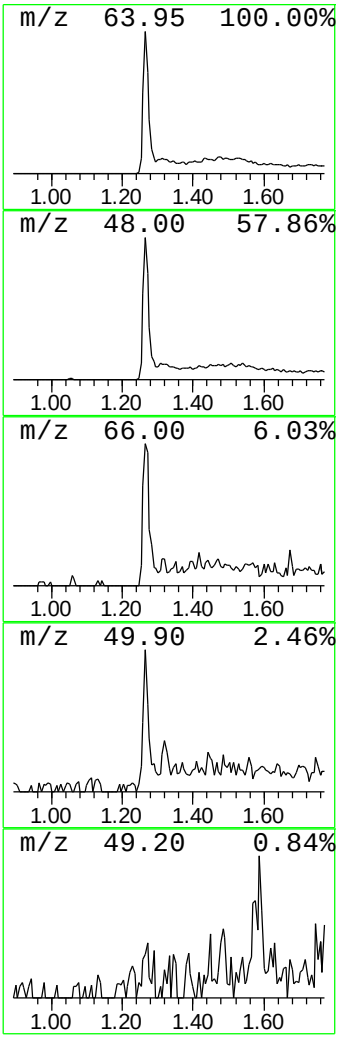
****

Peak Number 2 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.27	7.28 ug/l	82644	Pentafluorobenzene	5.65

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092019\
Data File : VX012590.D
Acq On : 21 Sep 2019 04:49
Operator : JC/SP
Sample : K4978-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0164

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

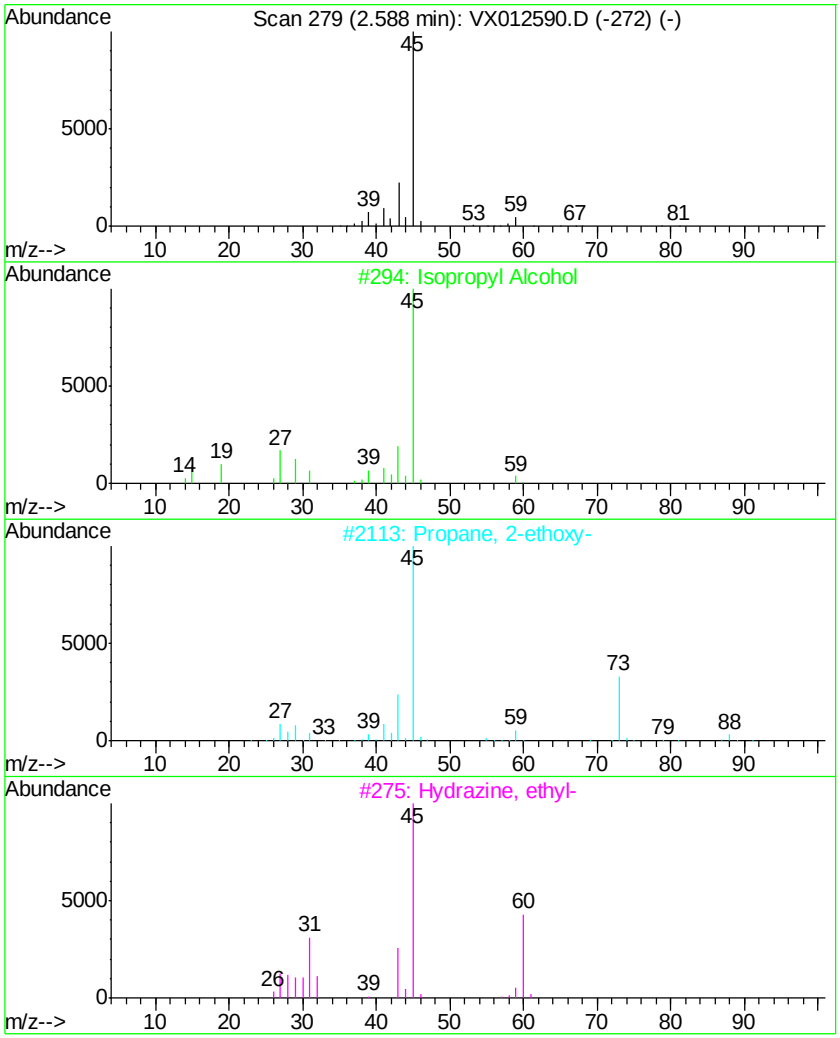
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

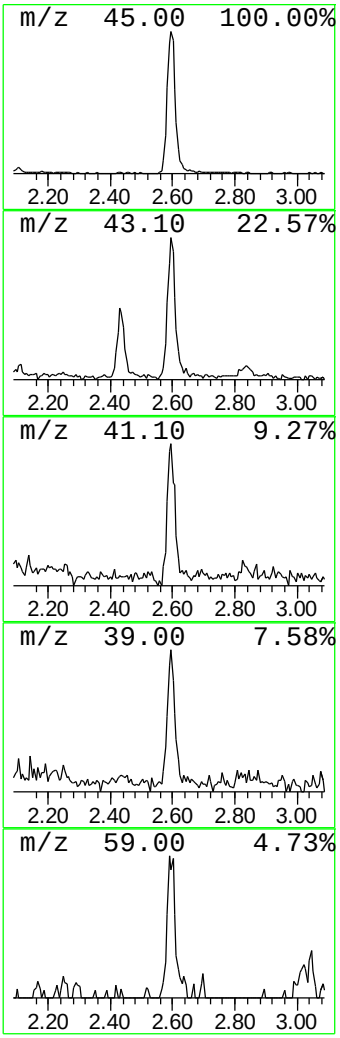
****

Peak Number 3 Isopropyl Alcohol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	6.12 ug/l	69505	Pentafluorobenzene	5.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
2	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56
3	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	40
4	Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	40
5	2-Propanol, 1-bromo-	138	C3H7BrO	019686-73-8	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092019\
Data File : VX012590.D
Acq On : 21 Sep 2019 04:49
Operator : JC/SP
Sample : K4978-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0164

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

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

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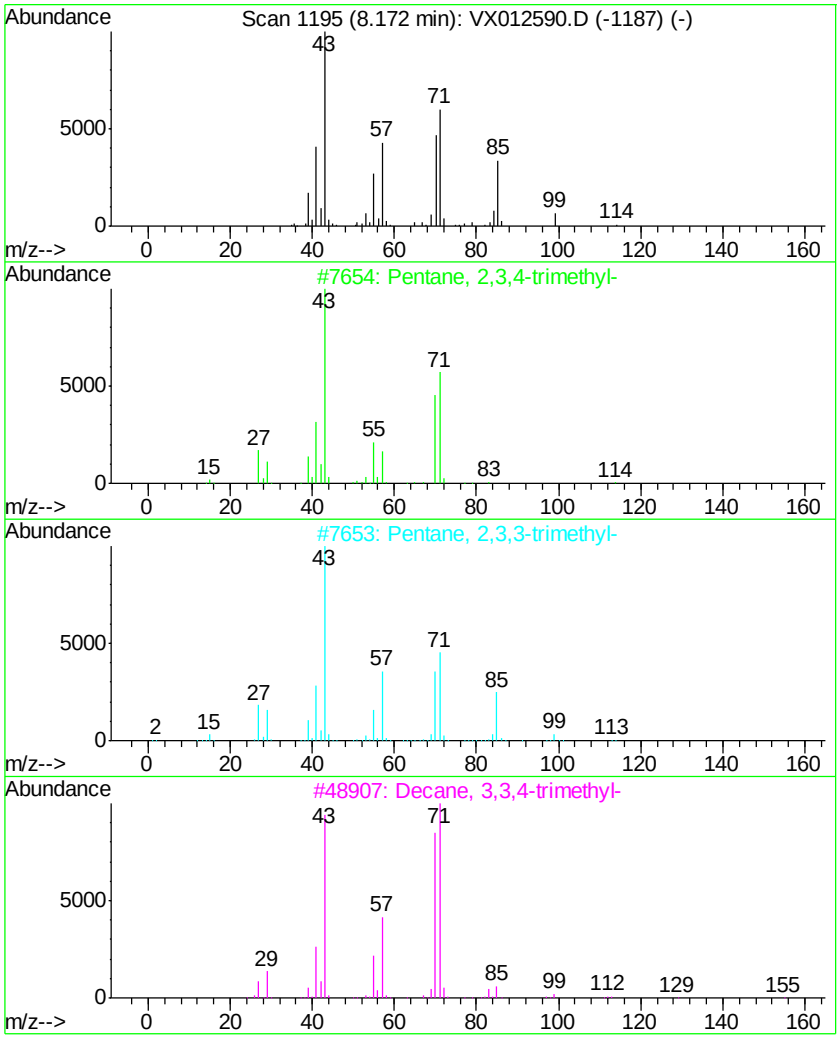
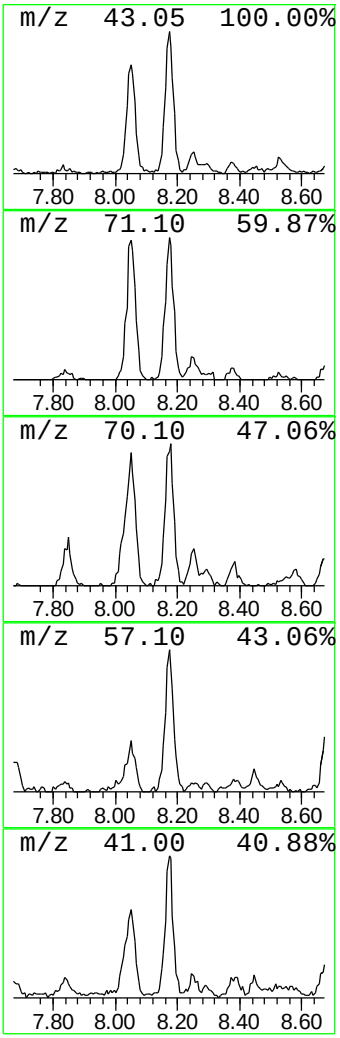
Peak Number 4 Pentane, 2,3,4-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	5.67 ug/l	78846	1,4-Difluorobenzene	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	81
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
Data File : VX012590.D
Acq On : 21 Sep 2019 04:49
Operator : JC/SP
Sample : K4978-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0164

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

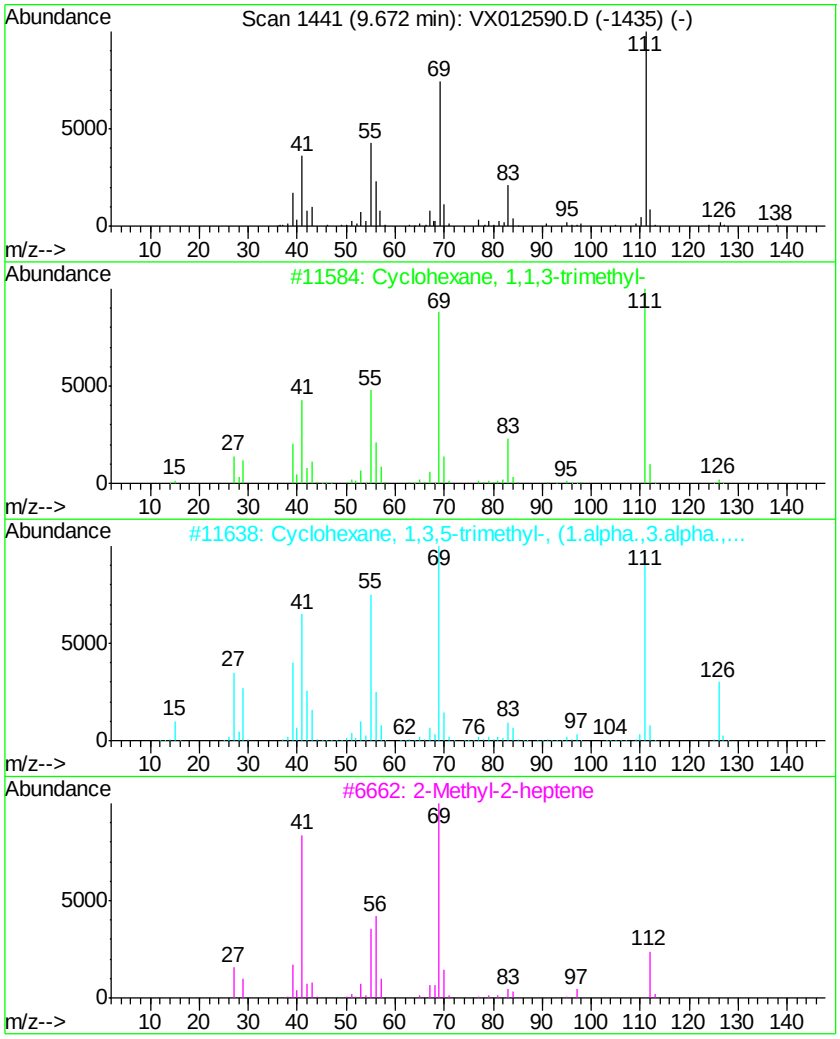
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

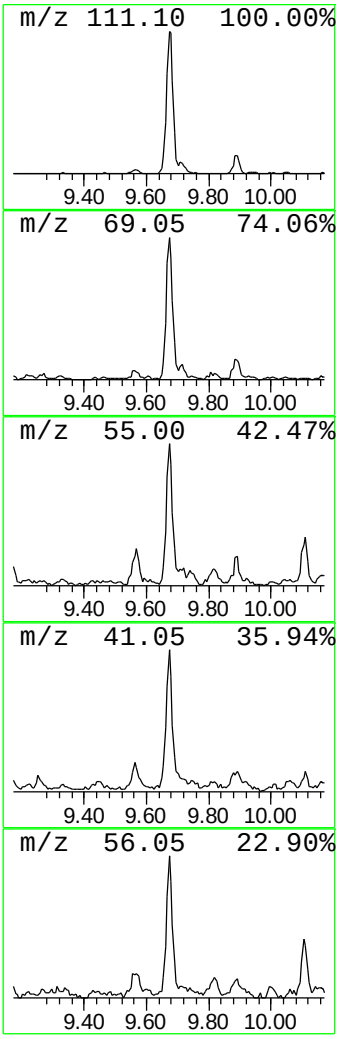
****

Peak Number 5 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	6.68 ug/l	100430	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	53
3	2-Methyl-2-heptene	112	C8H16	000627-97-4	45
4	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	45
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43





Library Search Compound Report

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0164

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

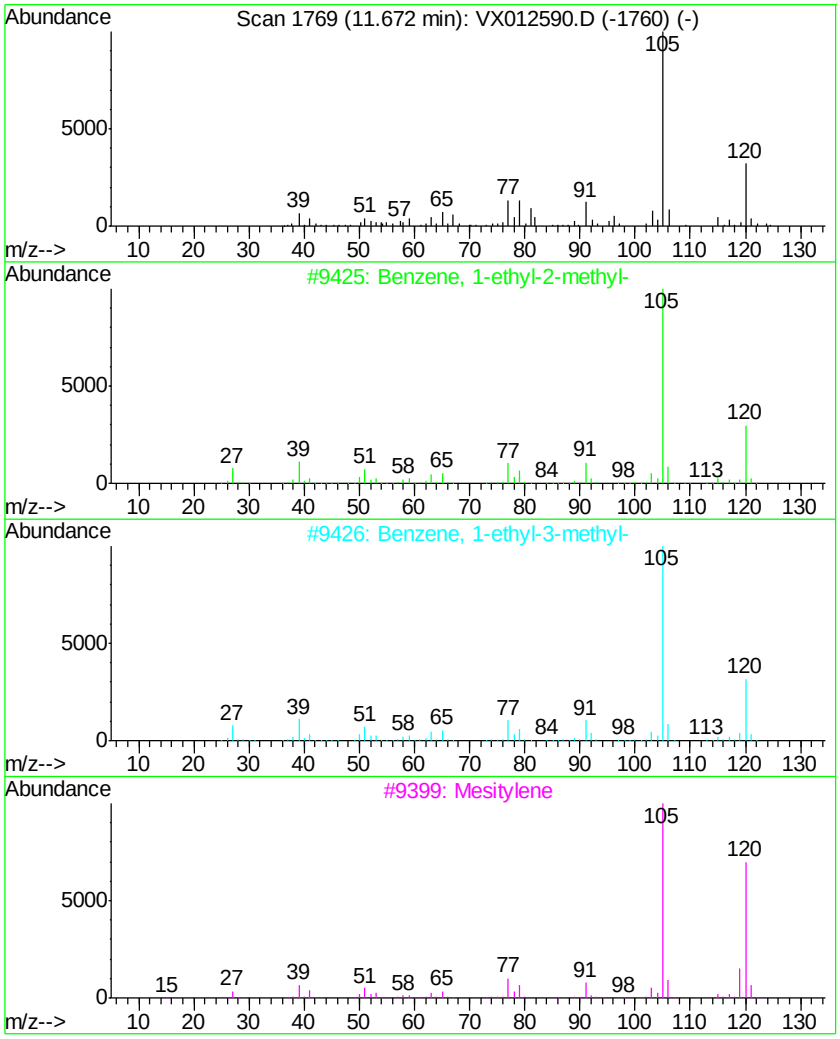
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

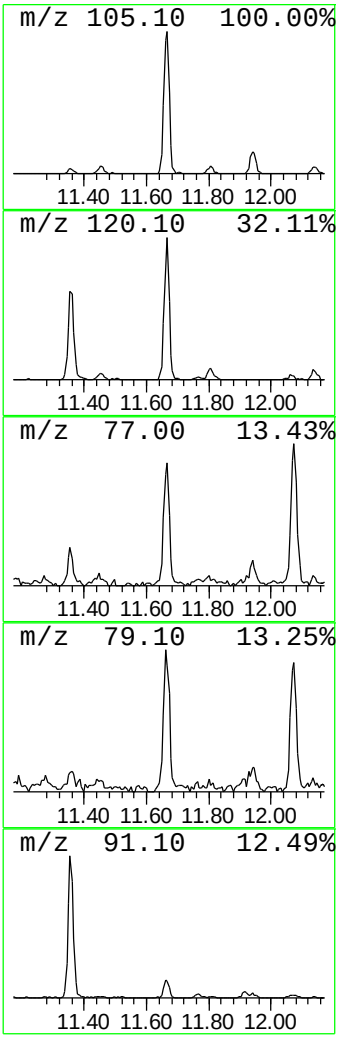
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	8.27 ug/l	108389	1,4-Dichlorobenzene-d4	12.07

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	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

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ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0164

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260

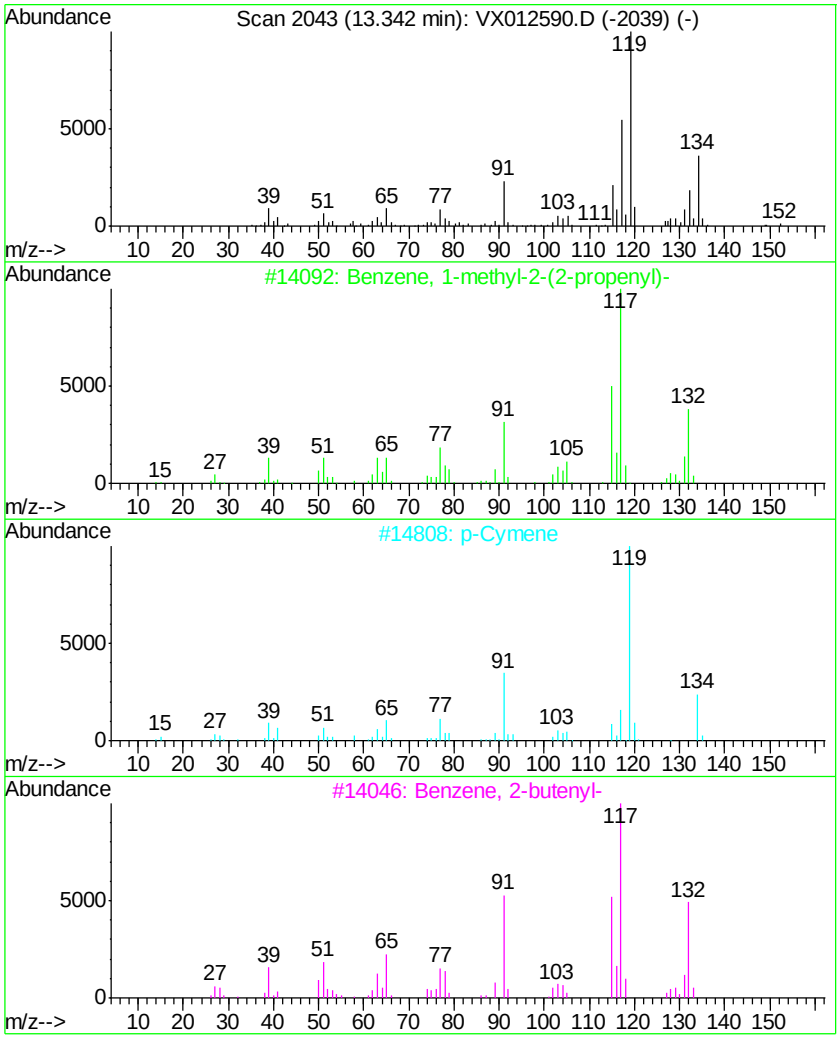
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

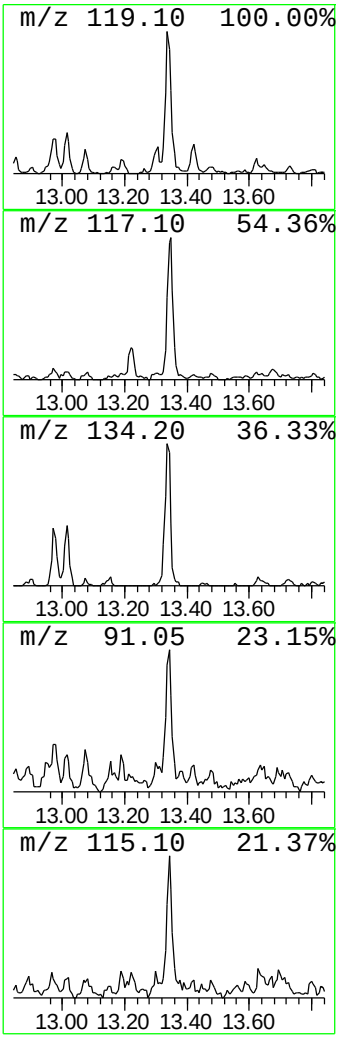
****

Peak Number 7 Benzene, 1-methyl-2-(2-prop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	5.76 ug/l	75472	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
2	p-Cymene	134	C10H14	000099-87-6	64
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	60
4	o-Cymene	134	C10H14	000527-84-4	60
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092019\
Data File : VX012590.D
Acq On : 21 Sep 2019 04:49
Operator : JC/SP
Sample : K4978-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : Z2-0164

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.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	1.27	7.3	ug/l	82644	1	5.65	567737	50.0
Isopropyl Alcohol	2.59	6.1	ug/l	69505	1	5.65	567737	50.0
Pentane, 2,3,4-tr...	8.17	5.7	ug/l	78846	2	6.85	695481	50.0
Cyclohexane, 1,1,...	9.67	6.7	ug/l	100430	3	10.11	751264	50.0
Benzene, 1-ethyl-...	11.67	8.3	ug/l	108389	4	12.07	655114	50.0
Benzene, 1-methyl...	13.34	5.8	ug/l	75472	4	12.07	655114	50.0