LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010965.D
Acq On : 18 Jul 2019 17:42
Operator : JC/SP
Sample : K3884-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

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\82X071619W.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	1.794	99	105	117	rVB	327691	484124	2.74%	0.354%
2	2.001	133	139	148	rBV	476689	667228	3.77%	0.488%
3	2.398	195	204	214	rBV	106284	217420	1.23%	0.159%
4	2.849	269	278	280	rBV2	177080	363035	2.05%	0.265%
5	2.891	280	285	303	rVB	652230	1497061	8.46%	1.094%
6	3.172	322	331	346	rBV	544619	1269263	7.17%	0.928%
7	3.525	380	389	403	rBV	606225	1379140	7.79%	1.008%
8	4.409	523	534	549	rVB	1446651	4259943	24.07%	3.113%
9	5.501	701	713	717	rBV	134159	368356	2.08%	0.269%
10	5.586	717	727	736	rVV	1540150	5002048	28.26%	3.656%
11	5.659	736	739	747	rVV	241785	620609	3.51%	0.454%
12	5.726	747	750	769	rVV2	68567	183530	1.04%	0.134%
13	5.933	772	784	797	rVV5	196070	673911	3.81%	0.493%
14	6.062	797	805	822	rVV	134795	352581	1.99%	0.258%
15	6.263	825	838	847	rVV2	134684	415370	2.35%	0.304%
16	6.360	847	854	862	rVV	130741	360912	2.04%	0.264%
17	6.458	862	870	882	rVB	195583	532541	3.01%	0.389%
18	6.860	925	936	946	rBV	347956	834384	4.71%	0.610%
19	7.464	1023	1035	1047	rBV	1996333	4418317	24.96%	3.229%
20	7.732	1071	1079	1089	rVB	123454	246300	1.39%	0.180%
21	8.665	1225	1232	1235	rBV2	188574	325750	1.84%	0.238%
22	8.713	1235	1240	1246	rVB	774807	1242245	7.02%	0.908%
23	8.781	1246	1251	1257	rBV	537628	819872	4.63%	0.599%
24	9.037	1288	1293	1300	rVB	147851	234851	1.33%	0.172%
25	9.165	1305	1314	1320	rBV	117415	188389	1.06%	0.138%
26	9.622	1385	1389	1394	rVB	181986	248688	1.41%	0.182%
27	10.110	1464	1469	1476	rBV	736625	990782	5.60%	0.724%
28	10.250	1486	1492	1498	rBV	3240546	4116847	23.26%	3.009%
29	10.360	1501	1510	1516	rBV	12426502	16781047	94.82%	12.265%
30	10.695	1560	1565	1576	rVB	3145860	4055001	22.91%	2.964%
31	11.018	1612	1618	1630	rVB	1213634	1522107	8.60%	1.112%
32	11.134	1631	1637	1642	rBV	698994	875560	4.95%	0.640%
33	11.359	1668	1674	1681	rBV	1930763	2365969	13.37%	1.729%
34	11.432	1681	1686	1694	rVV	8587841	15109837	85.37%	11.043%

LSC Area Percent Report

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ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

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\82X071619W.M
Title : SW846 8260

35	11.506	1694	1698	1704	rVB	6409683	7525747	42.52%	5.500%
36	11.664	1719	1724	1733	rVB	3724208	4640026	26.22%	3.391%
37	11.768	1733	1741	1743	rBV	139537	191804	1.08%	0.140%
38	11.810	1743	1748	1753	rVB	14166572	17698715	100.00%	12.935%
39	11.920	1760	1766	1768	rBV	121958	181550	1.03%	0.133%
40	11.945	1768	1770	1776	rVB	169088	177746	1.00%	0.130%
41	12.024	1777	1783	1786	rBV	427469	499545	2.82%	0.365%
42	12.073	1786	1791	1797	rVB2	937408	1372395	7.75%	1.003%
43	12.140	1797	1802	1808	rBV	5307316	6353332	35.90%	4.643%
44	12.298	1822	1828	1831	rBV	2045190	2857463	16.15%	2.088%
45	12.371	1835	1840	1849	rVB3	1436340	2146138	12.13%	1.569%
46	12.518	1859	1864	1869	rBV	367857	447763	2.53%	0.327%
47	12.585	1870	1875	1877	rBV	699934	949927	5.37%	0.694%
48	12.609	1877	1879	1883	rVV	760098	766877	4.33%	0.560%
49	12.664	1883	1888	1891	rVV	986697	1166166	6.59%	0.852%
50	12.701	1891	1894	1898	rVB	311247	374088	2.11%	0.273%
51	12.755	1898	1903	1910	rBV2	713556	1168097	6.60%	0.854%
52	12.902	1922	1927	1932	rVB2	455727	600704	3.39%	0.439%
53	12.975	1932	1939	1942	rVV	620208	751985	4.25%	0.550%
54	13.018	1942	1946	1951	rVB	874910	1044697	5.90%	0.764%
55	13.225	1972	1980	1984	rBV	948241	1221458	6.90%	0.893%
56	13.347	1995	2000	2005	rVB2	2069260	2769684	15.65%	2.024%
57	13.475	2016	2021	2028	rVB	1381503	1761897	9.95%	1.288%
58	13.639	2044	2048	2052	rBV3	144037	227052	1.28%	0.166%
59	13.719	2059	2061	2067	rVB2	136680	186640	1.05%	0.136%
60	13.828	2071	2079	2088	rVV	1715291	2301926	13.01%	1.682%
61	13.981	2097	2104	2108	rBV2	139184	197521	1.12%	0.144%
62	14.286	2147	2154	2161	rVB2	243394	437545	2.47%	0.320%
63	14.536	2190	2195	2200	rBV2	152221	197843	1.12%	0.145%
64	14.694	2213	2221	2231	rBV	1649680	2068461	11.69%	1.512%
65	14.834	2239	2244	2253	rBV	1047193	1327015	7.50%	0.970%
66	15.682	2374	2383	2387	rBV	111365	188629	1.07%	0.138%

Sum of corrected areas: 136823454

LSC Report - Integrated Chromatogram

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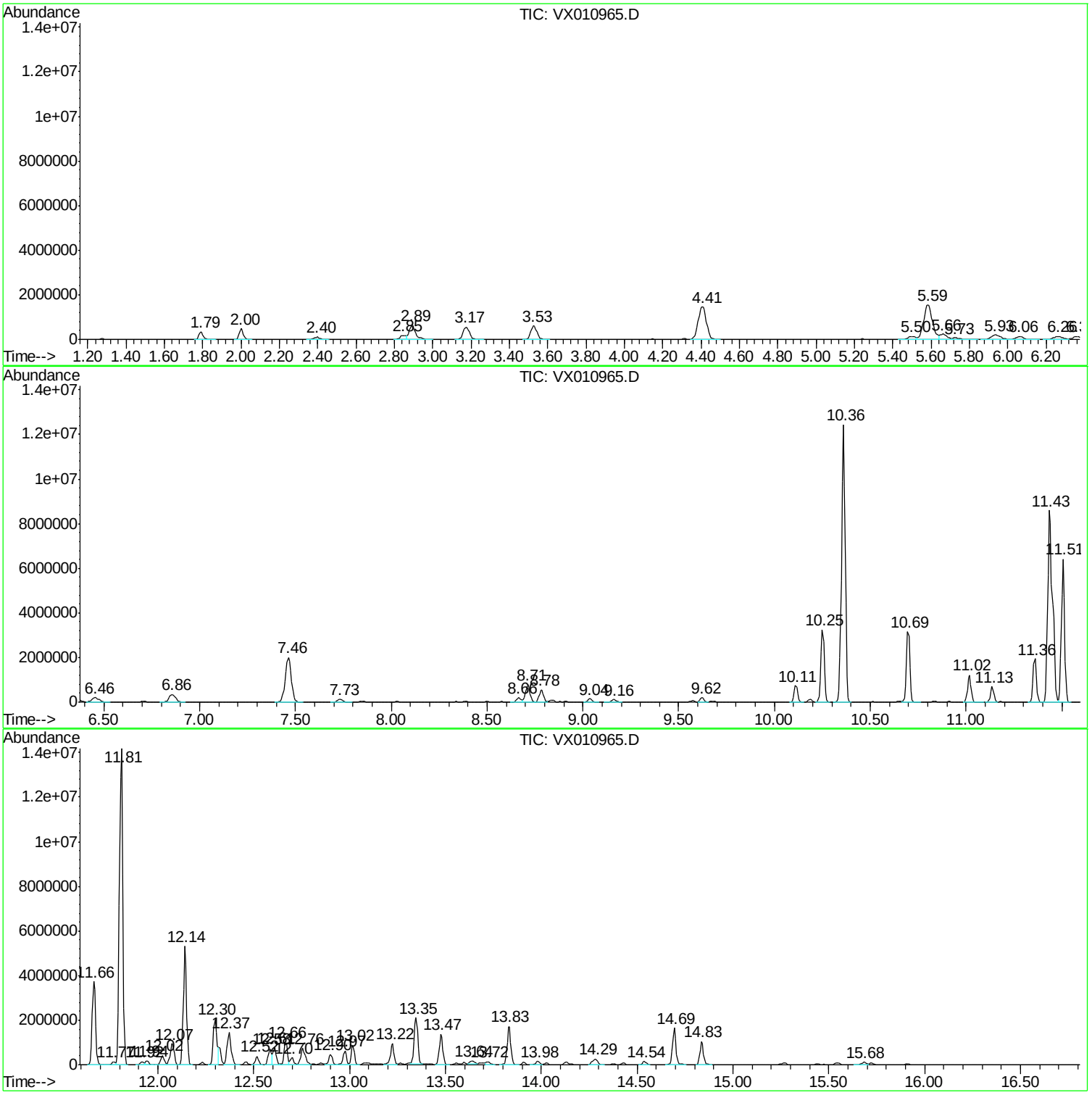
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
Data File : VX010965.D
Acq On : 18 Jul 2019 17:42
Operator : JC/SP
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ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
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Quant Title : SW846 8260

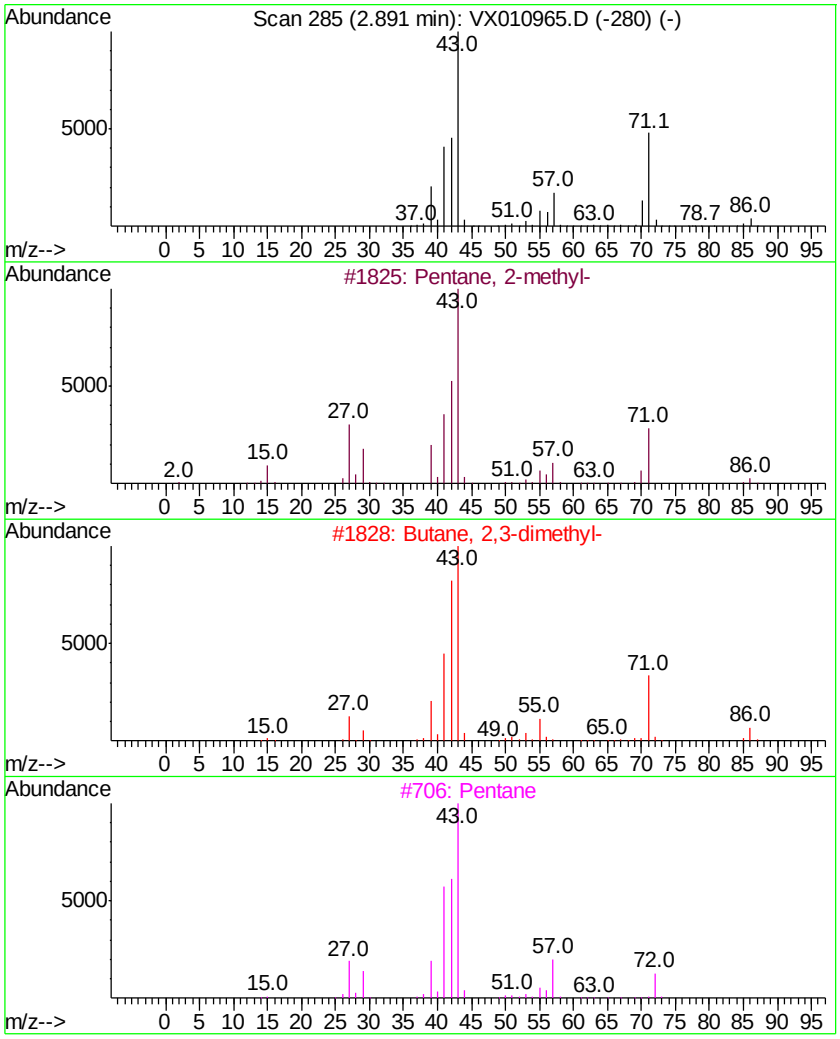
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

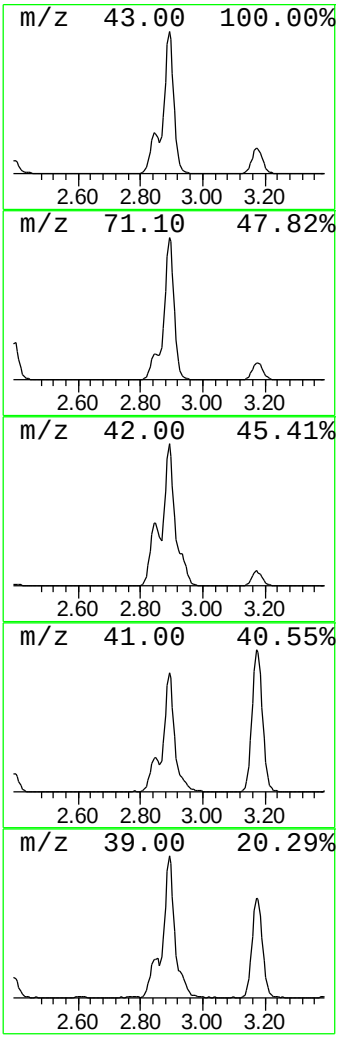
****

Peak Number 1 Pentane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	120.61 ug/l	1497060	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
3	Pentane	72	C5H12	000109-66-0	46
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	40
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38





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Data File : VX010965.D
Acq On : 18 Jul 2019 17:42
Operator : JC/SP
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

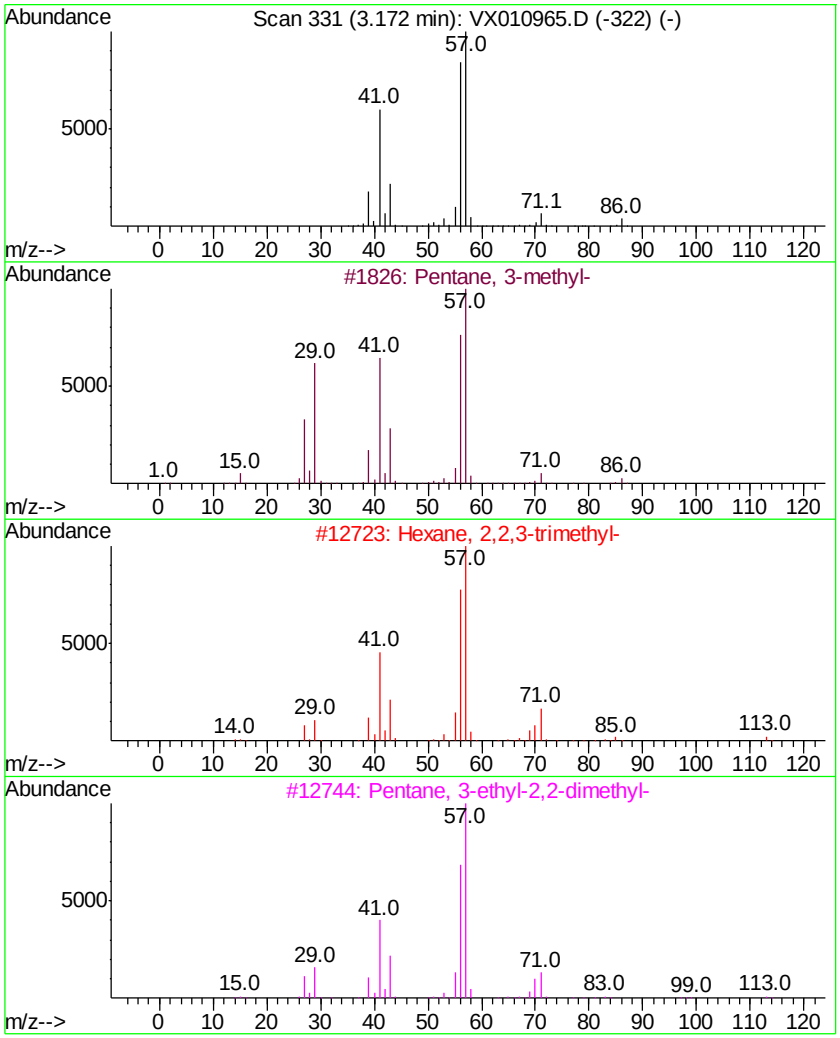
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

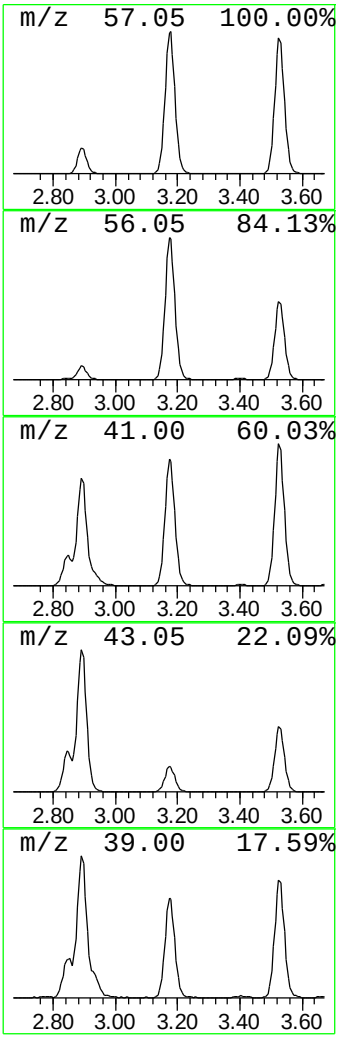
****

Peak Number 2 Pentane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	102.26 ug/l	1269260	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	83
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
4	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	40
5	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010965.D
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Operator : JC/SP
Sample : K3884-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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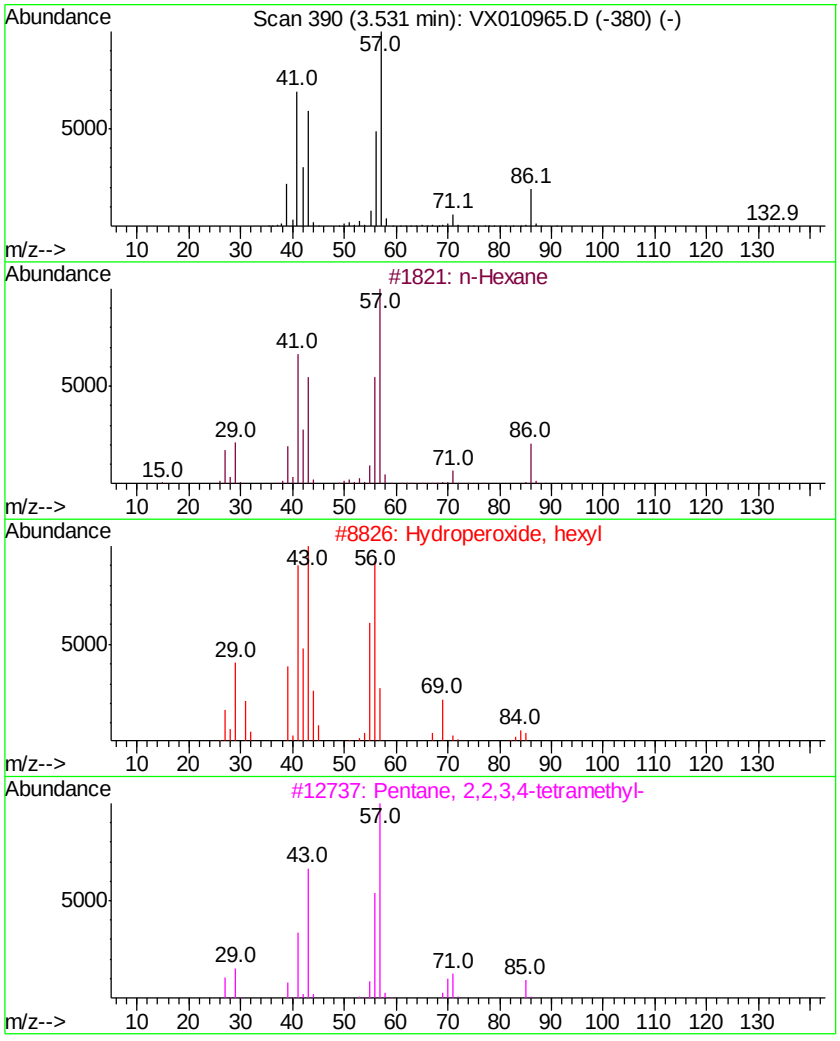
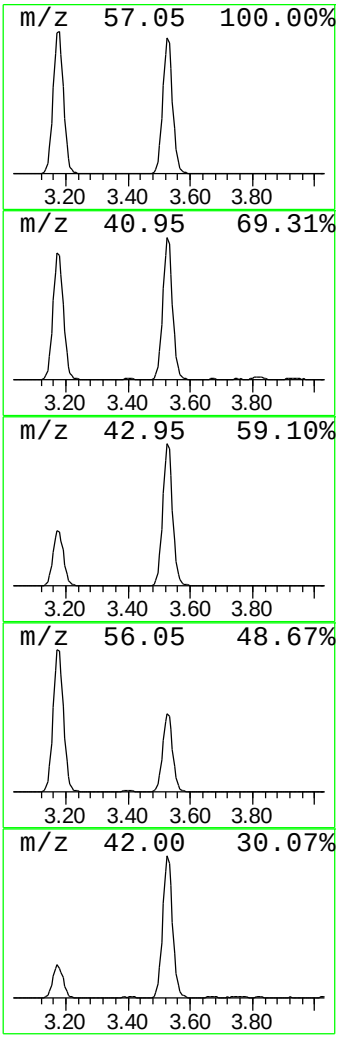
Peak Number 3 n-Hexane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	111.11 ug/l	1379140	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	47
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42
4	Methane, isocyanato-	57	C2H3NO	000624-83-9	37
5	Butanal, 2-methyl-	86	C5H10O	000096-17-3	35





Library Search Compound Report

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Operator : JC/SP
Sample : K3884-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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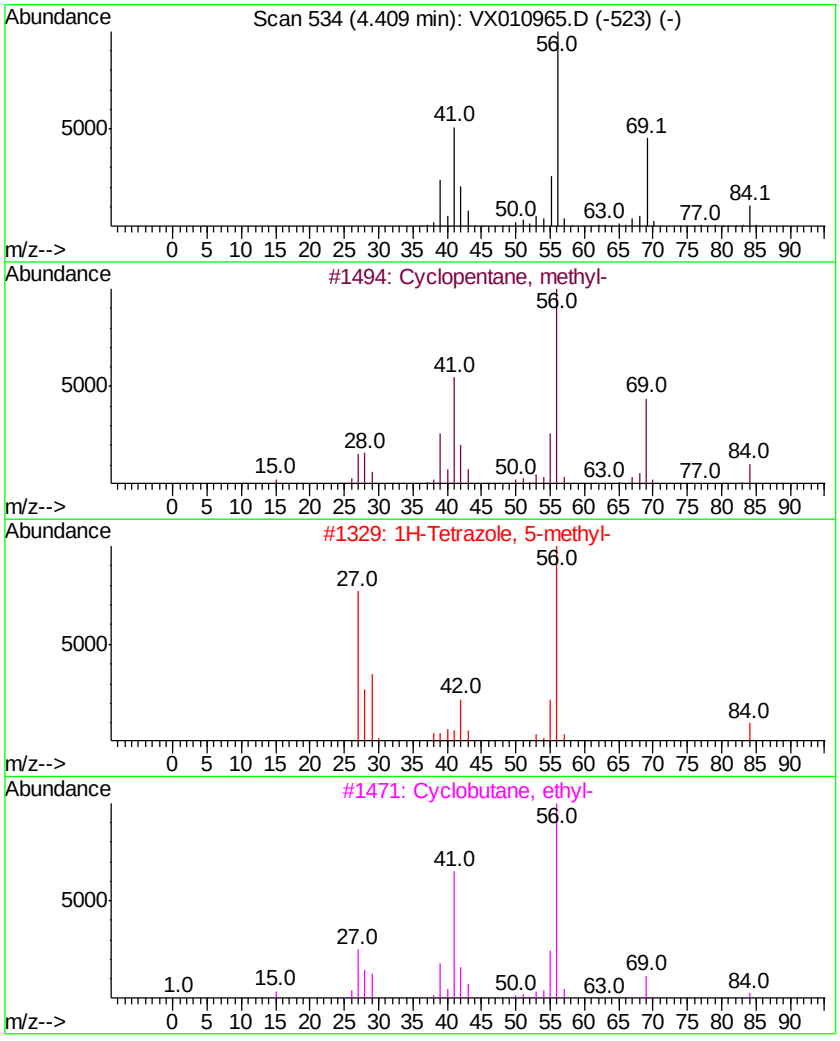
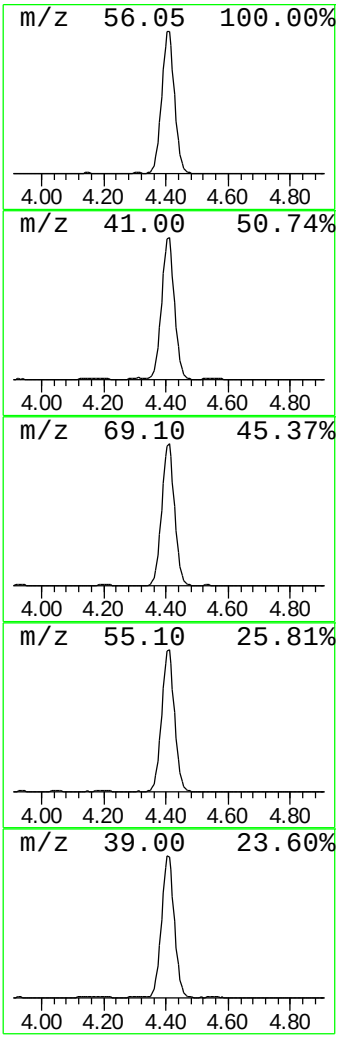
****

Peak Number 4 Cyclopentane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	343.21 ug/l	4259940	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	Cyclohexane	84	C6H12	000110-82-7	56
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
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Operator : JC/SP
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

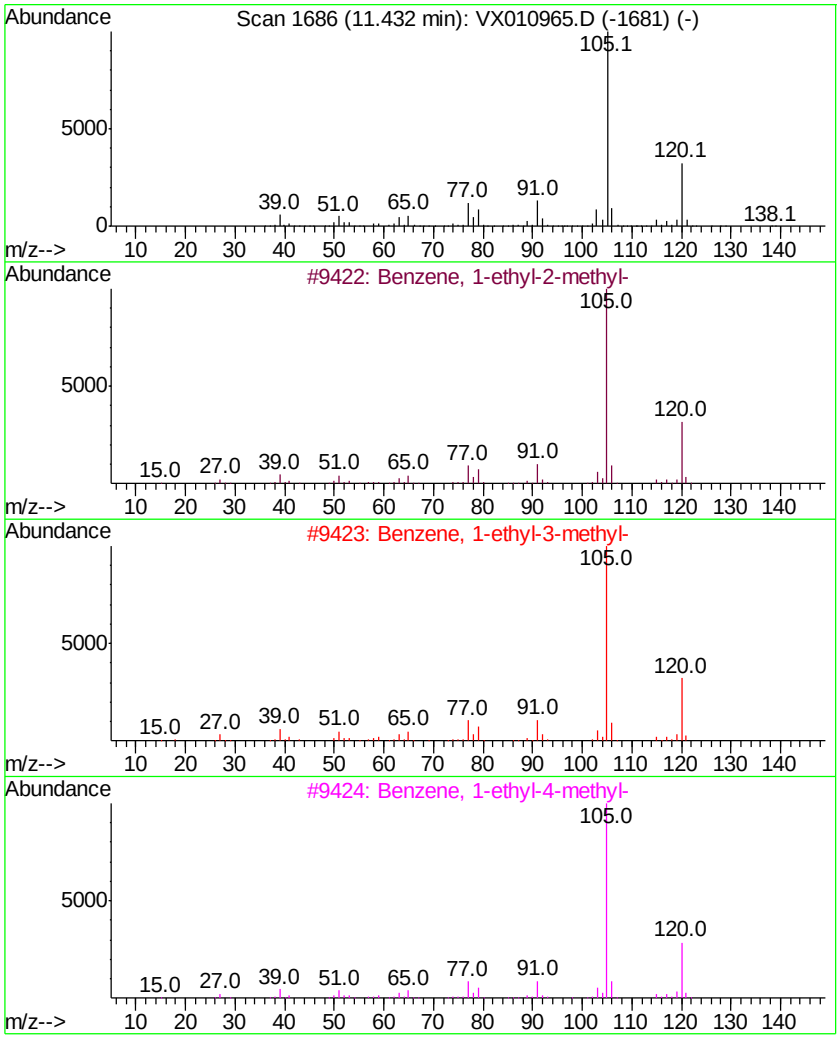
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

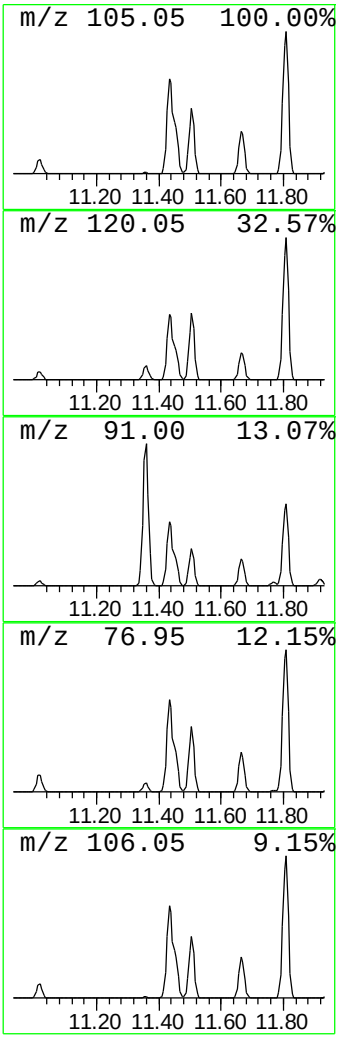
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	550.49 ug/l	15109800	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	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	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





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ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

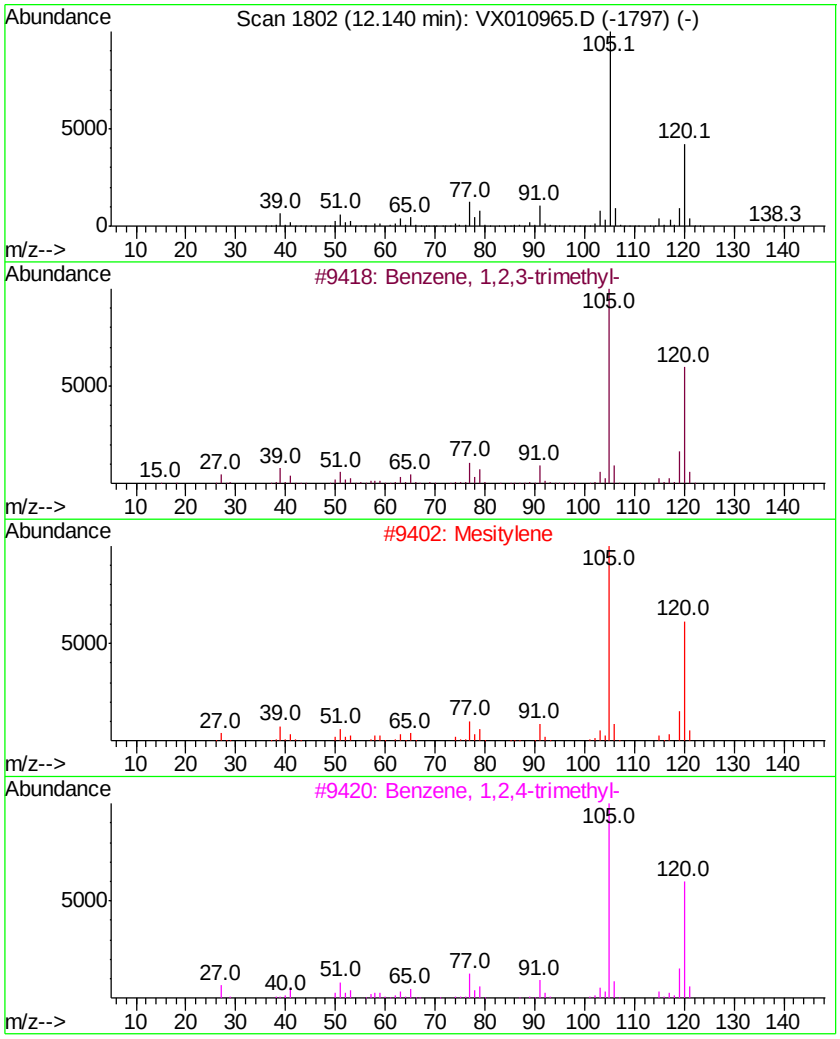
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

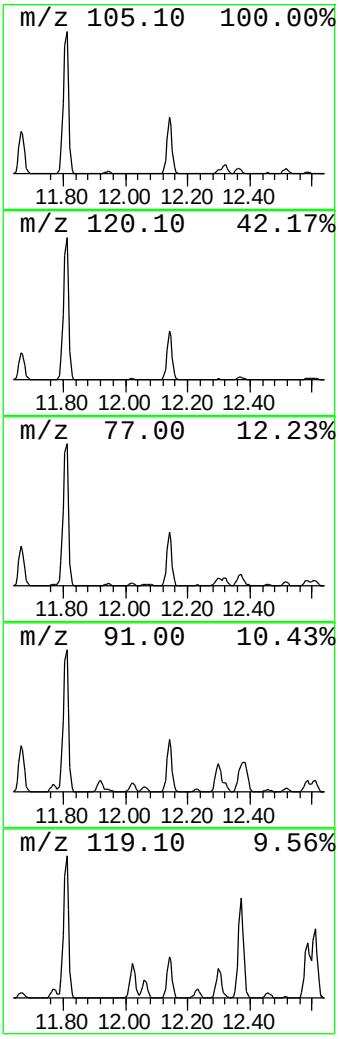
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	231.47 ug/l	6353330	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	95
2	Mesitylene	120	C9H12	000108-67-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
Data File : VX010965.D
Acq On : 18 Jul 2019 17:42
Operator : JC/SP
Sample : K3884-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

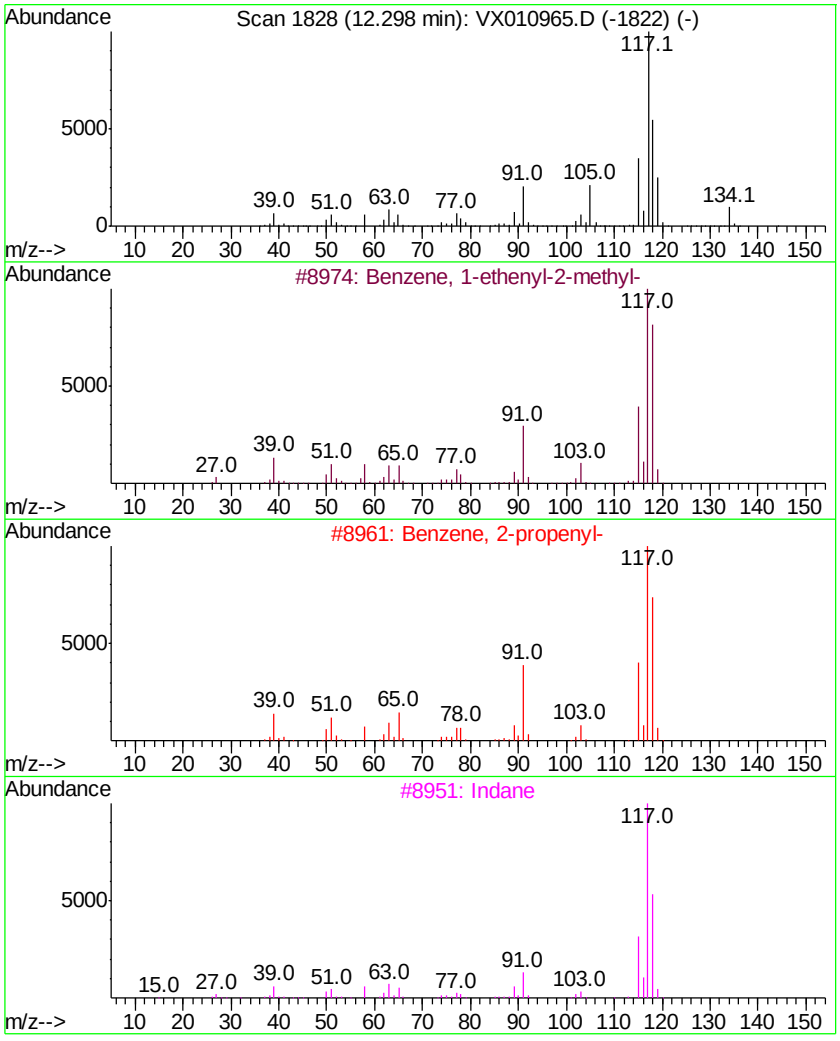
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

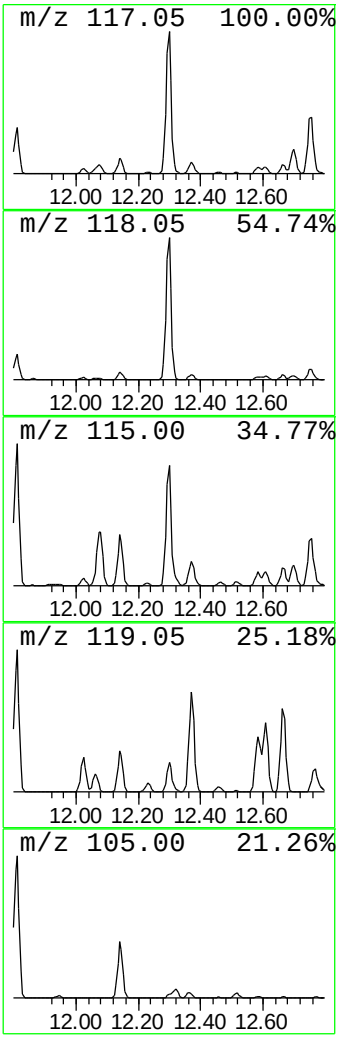
****

Peak Number 8 Benzene, 1-ethenyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	104.11 ug/l	2857460	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
3	Indane	118	C9H10	000496-11-7	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071819\
Data File : VX010965.D
Acq On : 18 Jul 2019 17:42
Operator : JC/SP
Sample : K3884-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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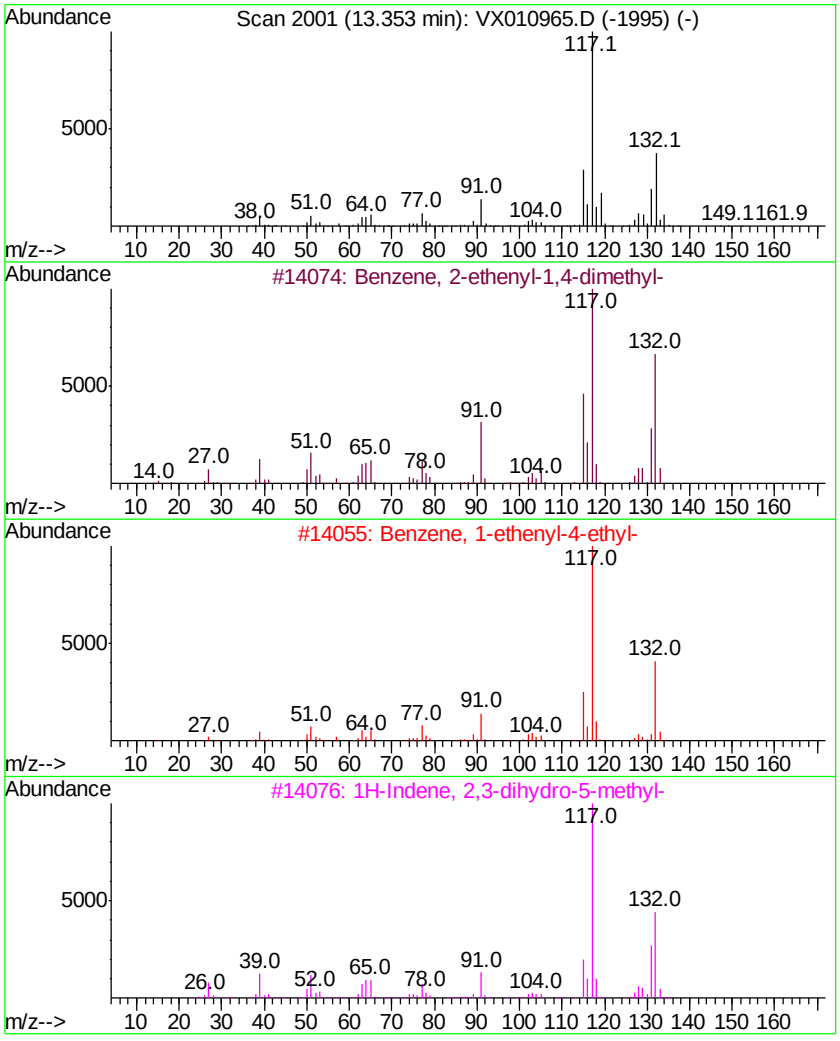
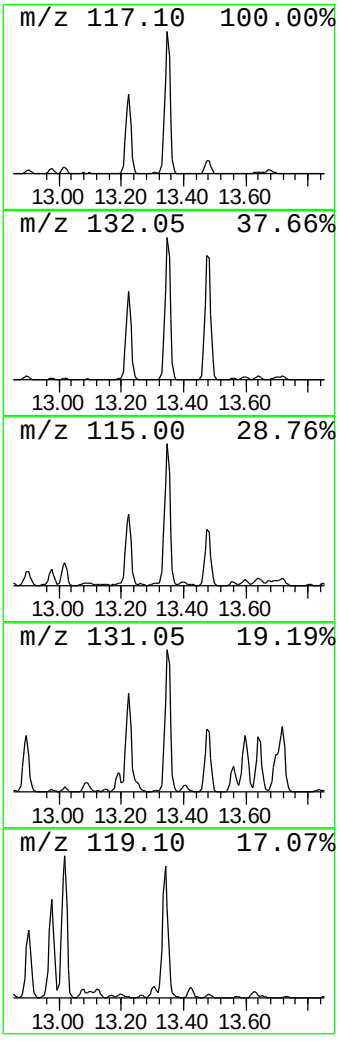
Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	100.91 ug/l	2769680	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	89
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010965.D
Acq On : 18 Jul 2019 17:42
Operator : JC/SP
Sample : K3884-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260

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

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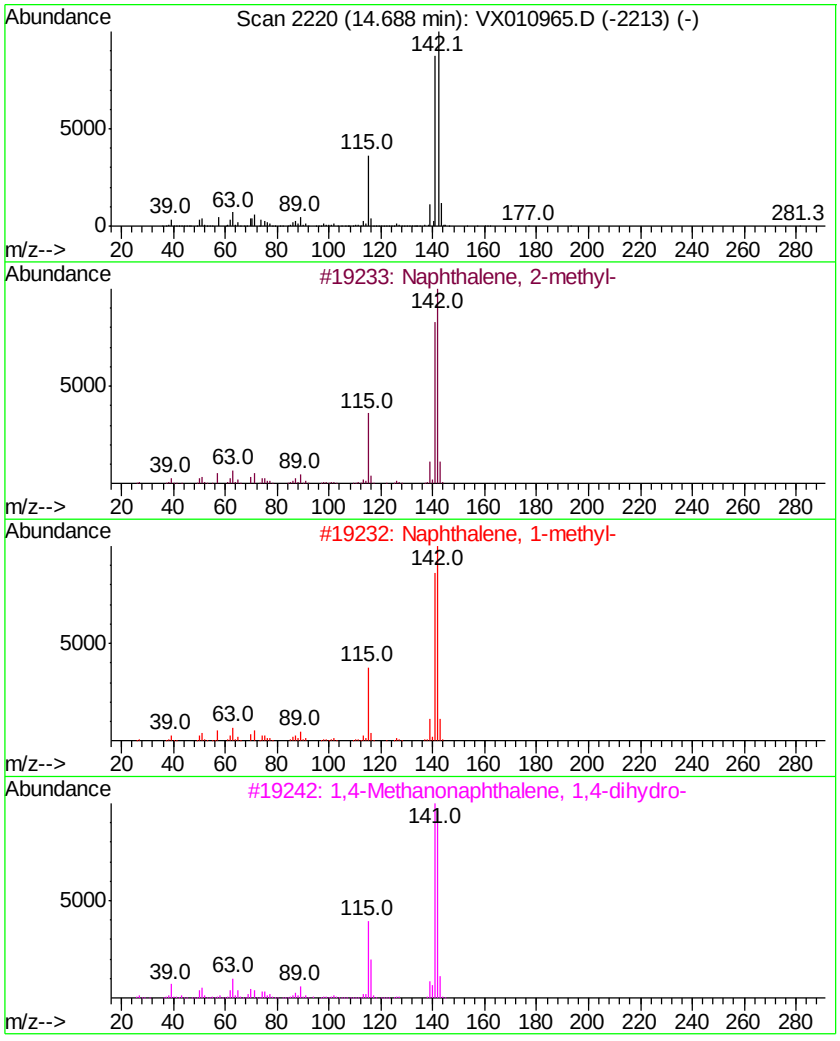
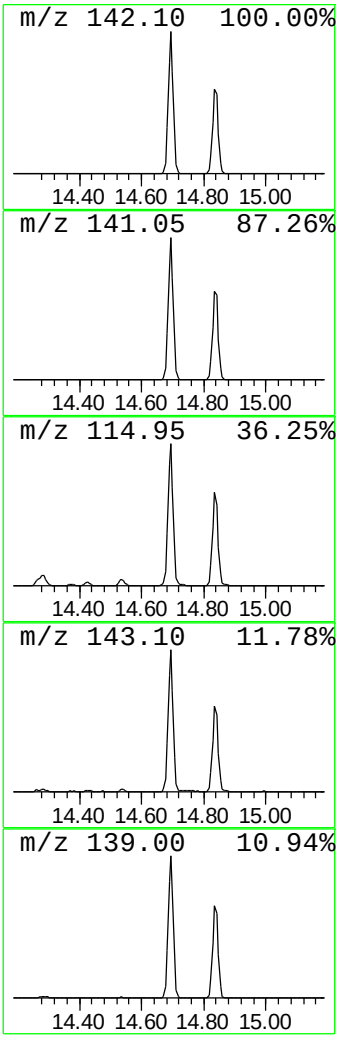
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	75.36 ug/l	2068460	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\VX071819\
Data File : VX010965.D
Acq On : 18 Jul 2019 17:42
Operator : JC/SP
Sample : K3884-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0607

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.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
Pentane, 2-methyl-	2.89	120.6	ug/l	1497060	1	5.67	620609	50.0
Pentane, 3-methyl-	3.17	102.3	ug/l	1269260	1	5.67	620609	50.0
n-Hexane	3.53	111.1	ug/l	1379140	1	5.67	620609	50.0
Cyclopentane, met...	4.41	343.2	ug/l	4259940	1	5.67	620609	50.0
Benzene, 1-ethyl-...	11.43	550.5	ug/l	15109800	4	12.08	1372400	50.0
Benzene, 1,2,3-tr...	12.14	231.5	ug/l	6353330	4	12.08	1372400	50.0
Benzene, 1-etheny...	12.30	104.1	ug/l	2857460	4	12.08	1372400	50.0
Benzene, 2-etheny...	13.35	100.9	ug/l	2769680	4	12.08	1372400	50.0
Naphthalene, 1-me...	14.69	75.4	ug/l	2068460	4	12.08	1372400	50.0