LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010845.D
Acq On : 12 Jul 2019 18:46
Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

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\82X061919W.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	1.276	16	20	31	rBV	45038	63912	6.10%	0.573%
2	1.794	98	105	111	rBV	27608	42602	4.07%	0.382%
3	2.001	134	139	147	rVB	19573	28940	2.76%	0.260%
4	2.398	195	204	209	rBV	15782	33852	3.23%	0.304%
5	2.605	229	238	245	rBV	9370	19040	1.82%	0.171%
6	2.843	269	277	280	rBV	24511	49007	4.68%	0.440%
7	2.891	280	285	298	rVV2	71354	153729	14.68%	1.379%
8	3.019	300	306	313	rVB	6330	13646	1.30%	0.122%
9	3.172	323	331	344	rVB	73164	169769	16.21%	1.523%
10	3.525	378	389	397	rBV	33417	77809	7.43%	0.698%
11	4.306	509	517	523	rBV7	3985	12622	1.21%	0.113%
12	4.403	523	533	546	rVB	88391	263660	25.17%	2.365%
13	5.245	660	671	682	rBV4	5524	20928	2.00%	0.188%
14	5.501	700	713	720	rBV	122789	351136	33.53%	3.149%
15	5.586	720	727	732	rVV3	64263	208605	19.92%	1.871%
16	5.659	732	739	759	rVB	204826	638932	61.00%	5.731%
17	5.927	773	783	796	rBV4	29117	97967	9.35%	0.879%
18	6.062	796	805	818	rVB	118851	312417	29.83%	2.802%
19	6.263	823	838	848	rVV4	16015	57995	5.54%	0.520%
20	6.360	848	854	861	rVV3	15414	42213	4.03%	0.379%
21	6.458	861	870	880	rVB2	23279	67084	6.41%	0.602%
22	6.860	924	936	954	rBV	309934	742053	70.85%	6.656%
23	7.464	1024	1035	1044	rBV	155350	358722	34.25%	3.218%
24	7.732	1072	1079	1089	rVB2	15190	31390	3.00%	0.282%
25	7.848	1089	1098	1106	rVB5	6121	15227	1.45%	0.137%
26	8.025	1122	1127	1139	rVB7	5791	15156	1.45%	0.136%
27	8.378	1182	1185	1192	rVB7	5613	11665	1.11%	0.105%
28	8.665	1226	1232	1234	rBV2	18444	29787	2.84%	0.267%
29	8.714	1234	1240	1252	rVV	679298	1047359	100.00%	9.394%
30	8.835	1254	1260	1265	rVV2	10815	21639	2.07%	0.194%
31	9.037	1288	1293	1300	rVB3	19350	33794	3.23%	0.303%
32	9.165	1309	1314	1319	rVB	9501	15122	1.44%	0.136%
33	9.573	1374	1381	1385	rBV6	7713	14081	1.34%	0.126%
34	9.622	1385	1389	1394	rVV	18574	24521	2.34%	0.220%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

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\82X061919W.M
Title : SW846 8260

35	9.677	1394	1398	1401	rVV2	9226	11854	1.13%	0.106%
36	10.110	1464	1469	1476	rBV	650104	879491	83.97%	7.888%
37	10.183	1478	1481	1486	rVV3	10460	14926	1.43%	0.134%
38	10.250	1488	1492	1498	rVB	18975	27375	2.61%	0.246%
39	10.360	1498	1510	1515	rBV	29387	50054	4.78%	0.449%
40	10.835	1576	1588	1593	rVB7	5229	11644	1.11%	0.104%
41	11.018	1613	1618	1624	rBV	83154	109752	10.48%	0.984%
42	11.134	1631	1637	1644	rBV	568109	713914	68.16%	6.403%
43	11.359	1669	1674	1682	rBV	122492	150898	14.41%	1.353%
44	11.451	1682	1689	1694	rVV	163505	205097	19.58%	1.840%
45	11.506	1694	1698	1708	rVB	162009	197423	18.85%	1.771%
46	11.664	1718	1724	1731	rBV	237850	294242	28.09%	2.639%
47	11.804	1742	1747	1758	rVB	693702	785746	75.02%	7.048%
48	11.920	1761	1766	1767	rBV2	9589	13612	1.30%	0.122%
49	11.945	1767	1770	1775	rVB	20538	26428	2.52%	0.237%
50	12.079	1785	1792	1797	rVV	666963	893814	85.34%	8.017%
51	12.140	1797	1802	1811	rVB	204233	244950	23.39%	2.197%
52	12.231	1813	1817	1821	rBV	9661	11228	1.07%	0.101%
53	12.298	1821	1828	1834	rBV	63707	81918	7.82%	0.735%
54	12.371	1834	1840	1847	rVB3	54030	89284	8.52%	0.801%
55	12.457	1849	1854	1859	rBV	14821	19638	1.88%	0.176%
56	12.518	1859	1864	1869	rBV	36464	45975	4.39%	0.412%
57	12.585	1869	1875	1877	rBV	47376	63304	6.04%	0.568%
58	12.609	1877	1879	1883	rVB	50457	51287	4.90%	0.460%
59	12.664	1883	1888	1892	rBV	63089	81104	7.74%	0.727%
60	12.701	1892	1894	1898	rVB	21494	21778	2.08%	0.195%
61	12.756	1898	1903	1910	rBV3	54752	94047	8.98%	0.844%
62	12.902	1921	1927	1932	rVB2	41824	58138	5.55%	0.521%
63	12.975	1932	1939	1942	rBV	56864	70530	6.73%	0.633%
64	13.018	1942	1946	1952	rVB	82835	100957	9.64%	0.906%
65	13.085	1952	1957	1962	rBV5	8422	14248	1.36%	0.128%
66	13.225	1976	1980	1984	rVB	24926	29194	2.79%	0.262%
67	13.341	1995	1999	2007	rVB2	136737	195598	18.68%	1.754%
68	13.475	2016	2021	2029	rVB	56177	75991	7.26%	0.682%
69	13.639	2044	2048	2053	rBV4	13050	23543	2.25%	0.211%
70	13.719	2059	2061	2067	rVB2	12237	18199	1.74%	0.163%
71	13.835	2076	2080	2087	rVB2	21035	35851	3.42%	0.322%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

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\82X061919W.M
Title : SW846 8260

72	13.987	2097	2105	2108	rBV4	11149	18643	1.78%	0.167%
73	14.286	2145	2154	2160	rVB4	14525	29752	2.84%	0.267%
74	14.536	2188	2195	2201	rBV2	12859	18021	1.72%	0.162%
75	14.694	2215	2221	2225	rBV	72904	91778	8.76%	0.823%
76	14.834	2240	2244	2252	rBV	58357	79539	7.59%	0.713%
77	15.682	2378	2383	2387	rBV5	7173	11919	1.14%	0.107%

Sum of corrected areas: 11149065

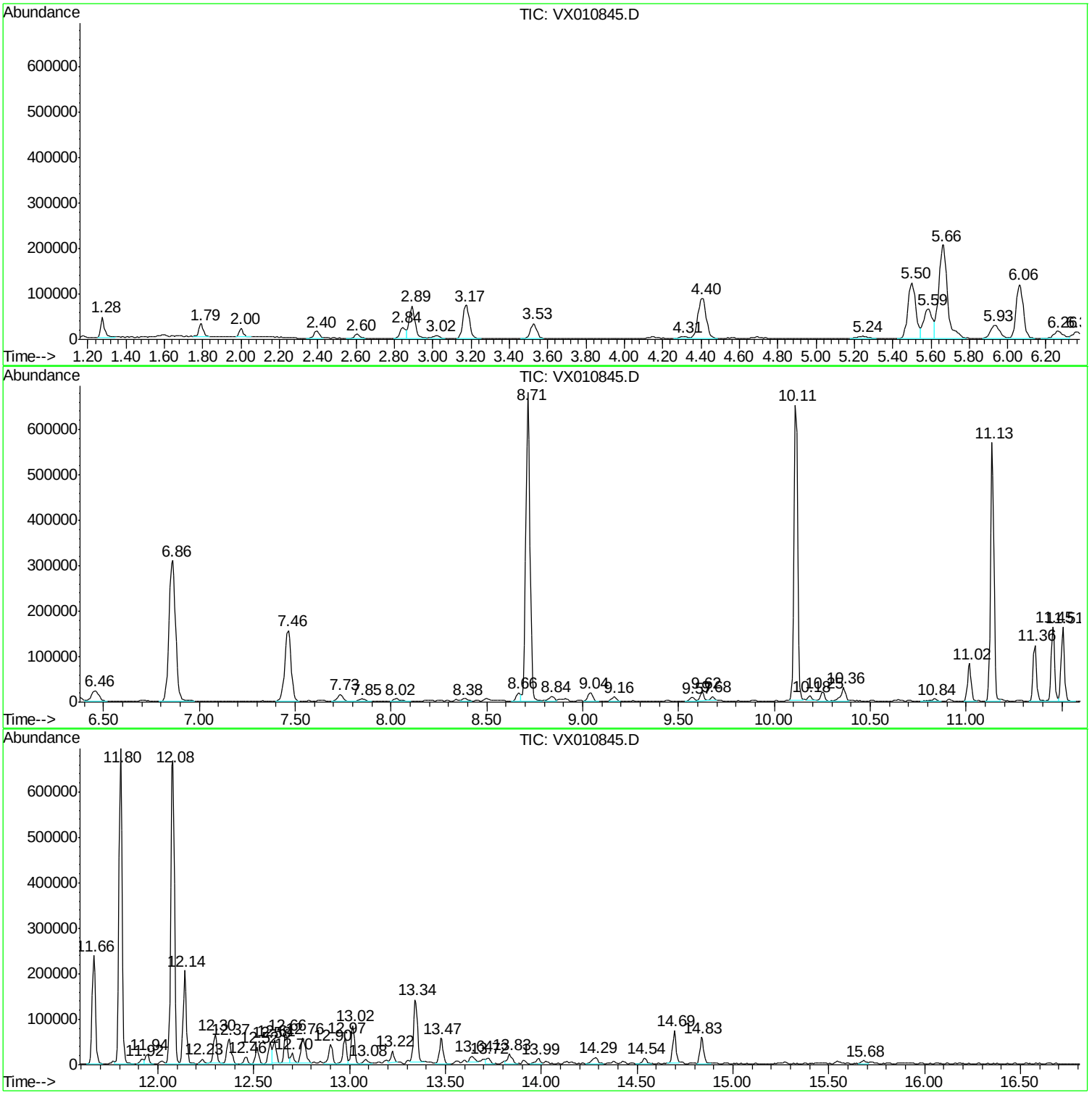
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
Data File : VX010845.D
Acq On : 12 Jul 2019 18:46
Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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\VX071219\
Data File : VX010845.D
Acq On : 12 Jul 2019 18:46
Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

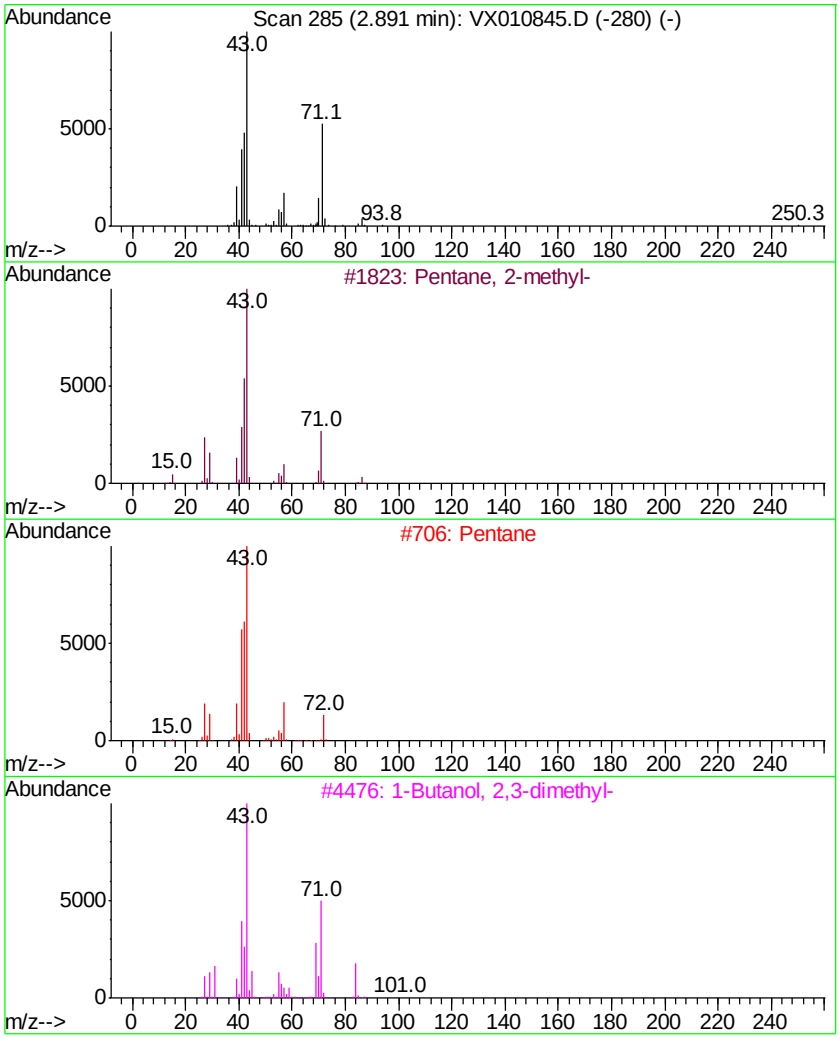
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

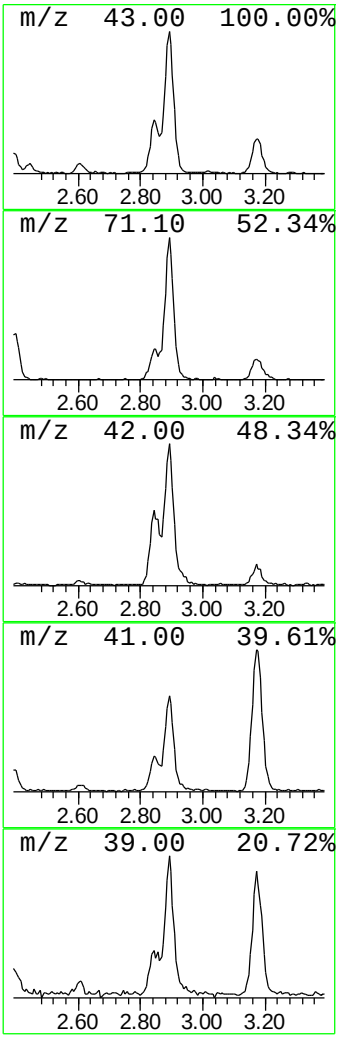
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	12.03 ug/l	153729	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
2	Pentane	72	C5H12	000109-66-0	46
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	38
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38





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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
Data File : VX010845.D
Acq On : 12 Jul 2019 18:46
Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

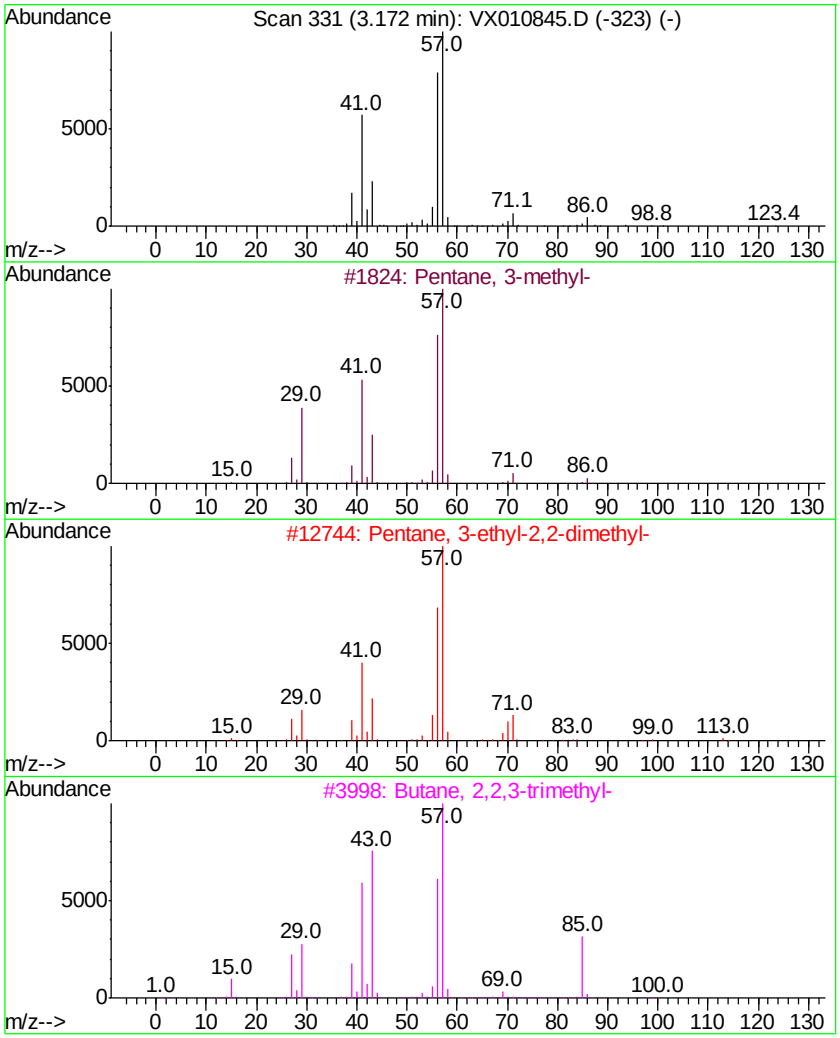
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

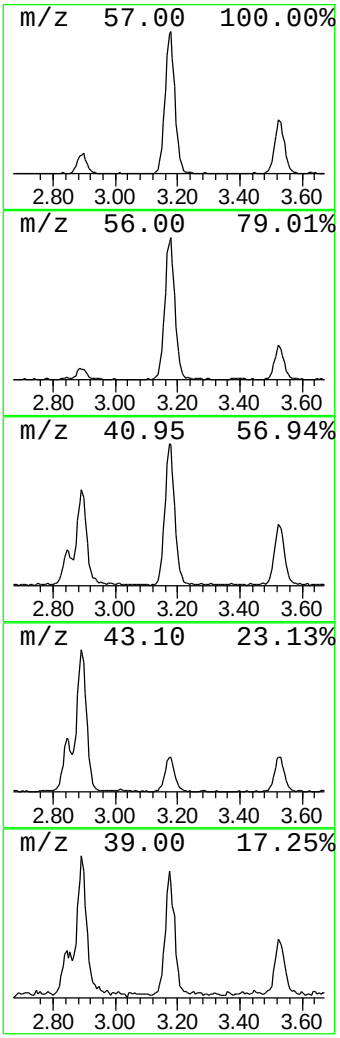
****

Peak Number 2 Pentane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	13.29 ug/l	169769	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010845.D
Acq On : 12 Jul 2019 18:46
Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

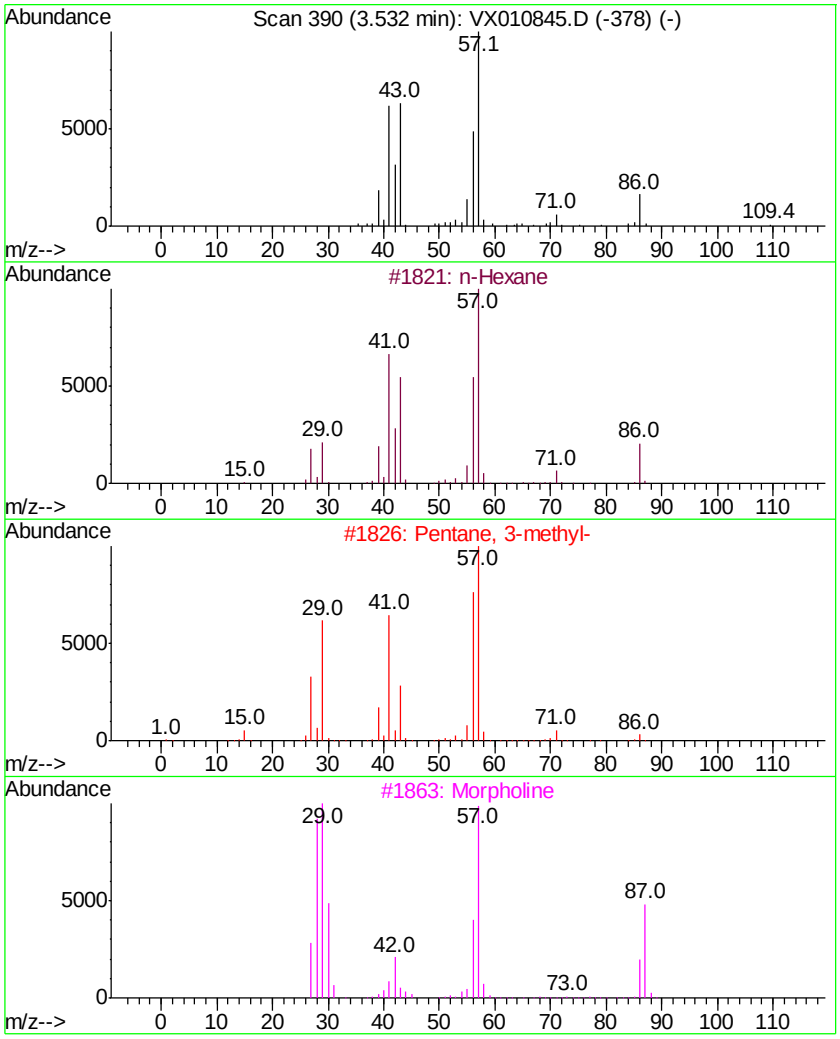
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

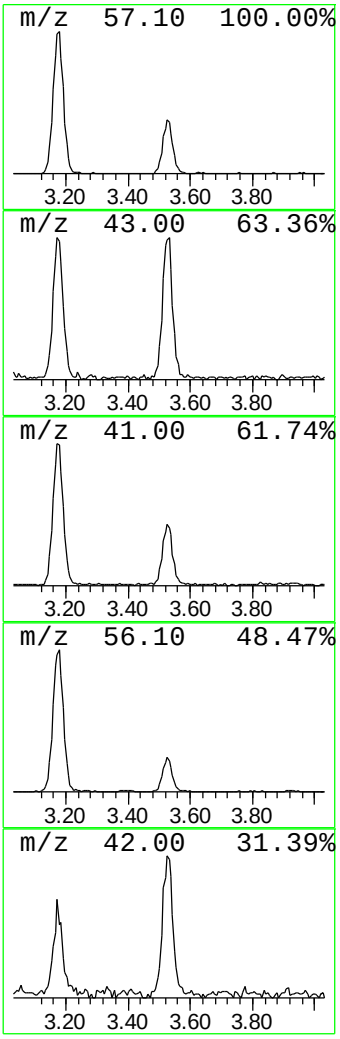
****

Peak Number 3 n-Hexane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	6.09 ug/l	77809	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	90
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	50
3	Morpholine	87	C4H9NO	000110-91-8	39
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	38
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
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Acq On : 12 Jul 2019 18:46
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Sample : K3786-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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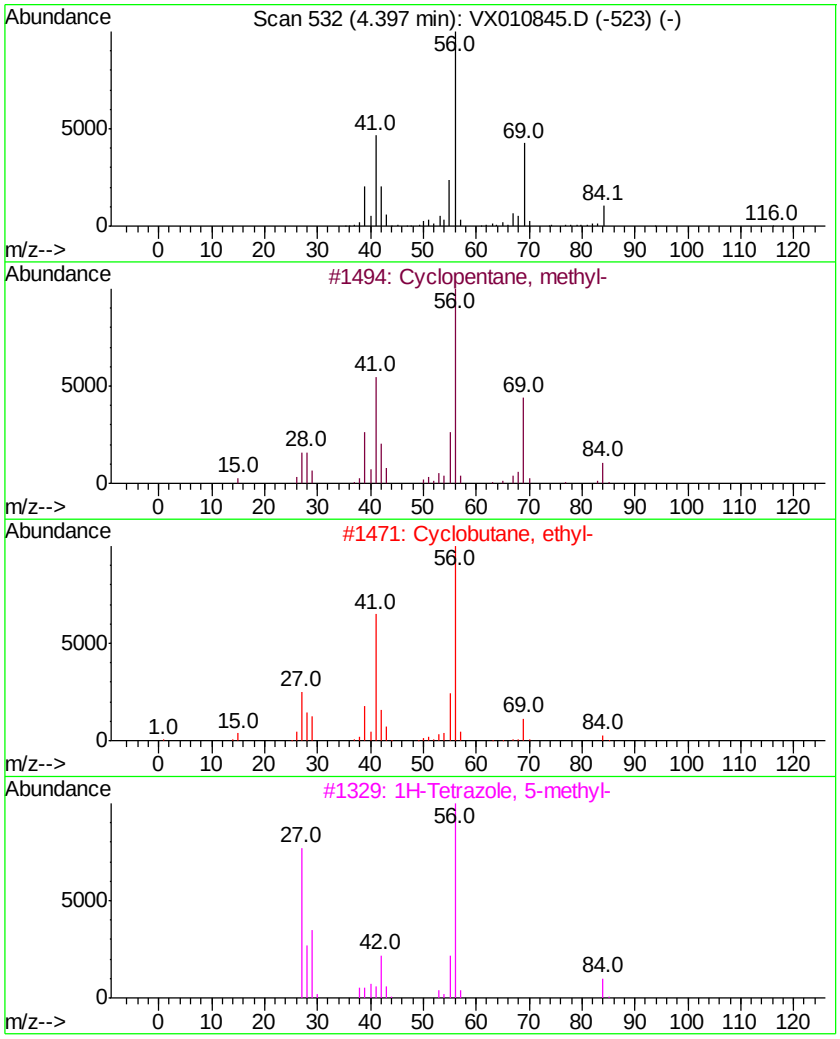
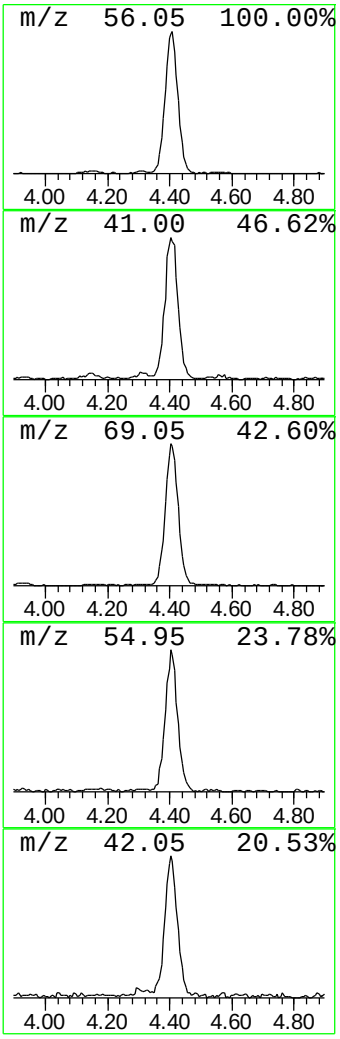
Peak Number 4 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	20.63 ug/l	263660	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutanecarbonitrile, 3,3-dim...	109	C7H11N	053783-86-1	53
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
Data File : VX010845.D
Acq On : 12 Jul 2019 18:46
Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

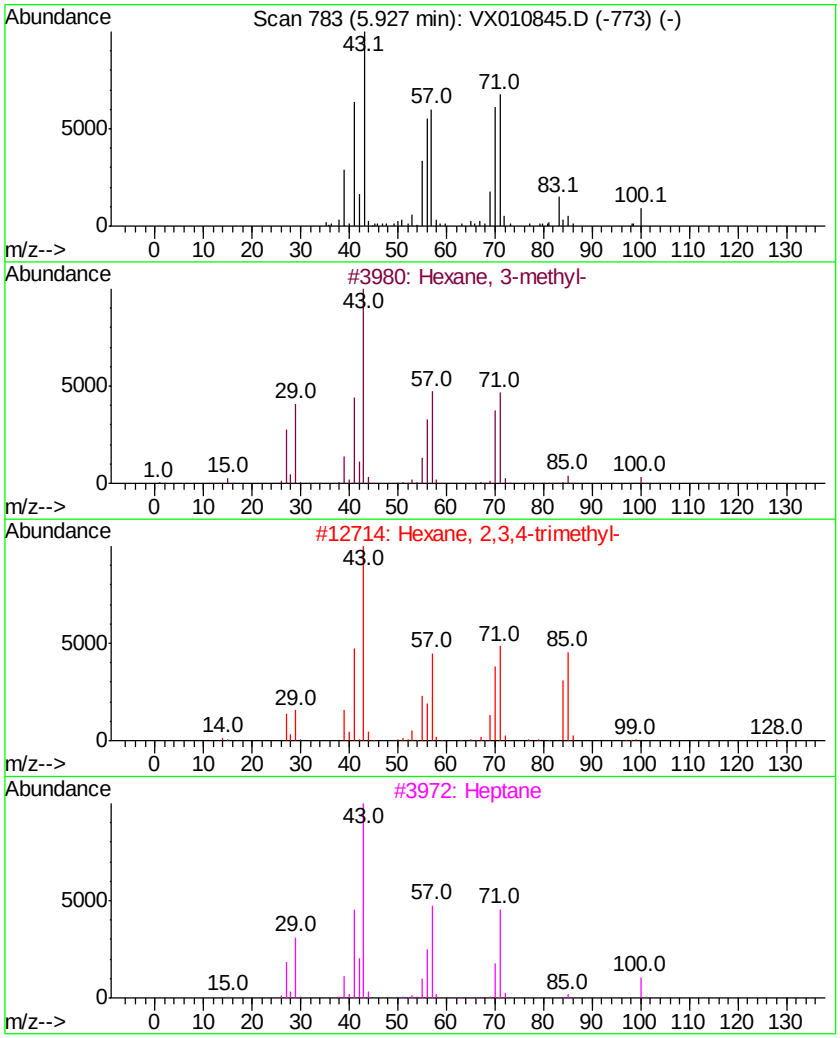
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

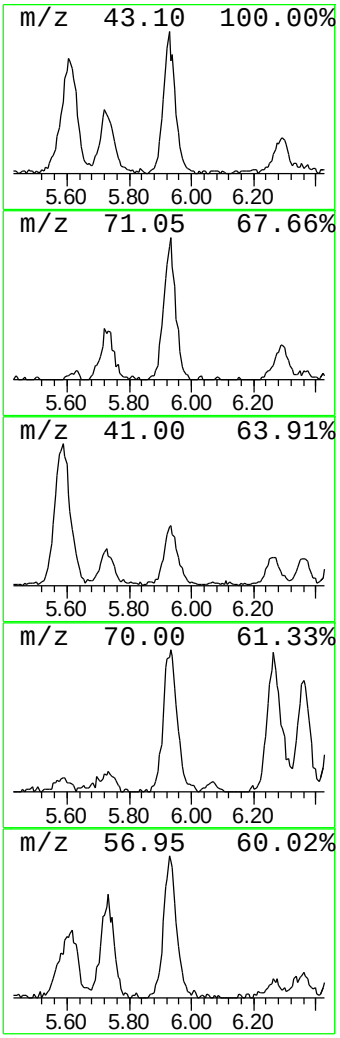
****

Peak Number 5 Hexane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	7.67 ug/l	97967	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
3	Heptane	100	C7H16	000142-82-5	49
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	47
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
Data File : VX010845.D
Acq On : 12 Jul 2019 18:46
Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

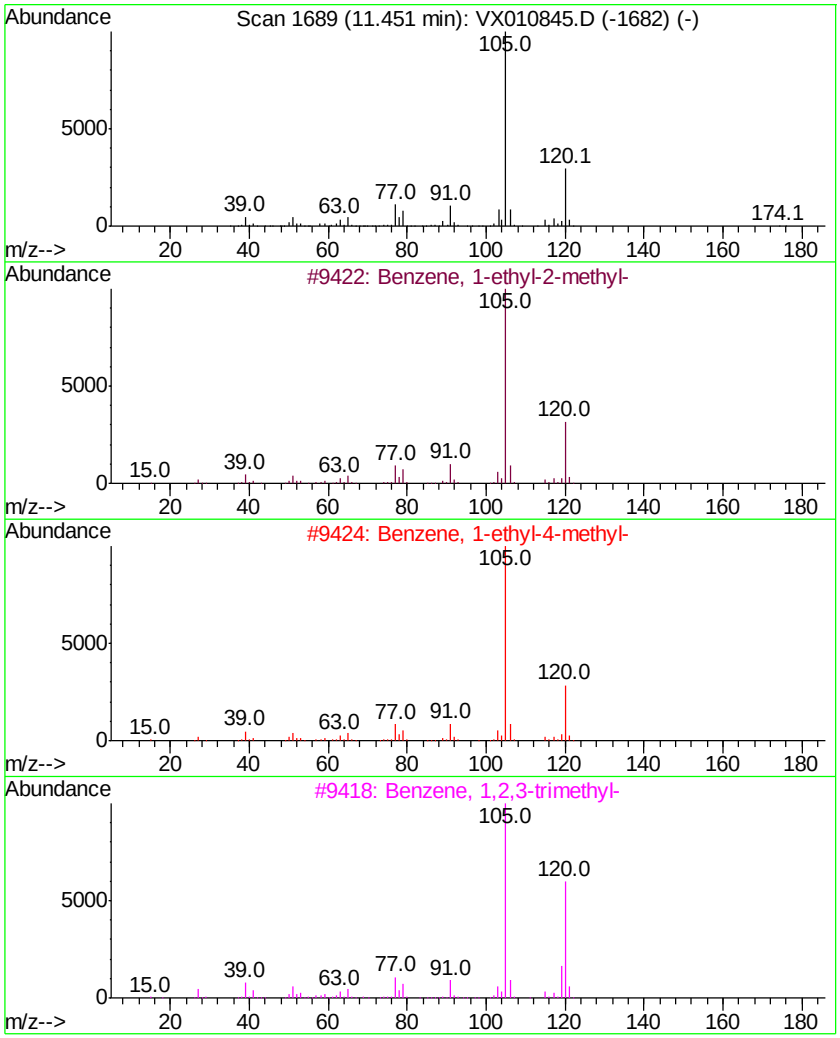
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

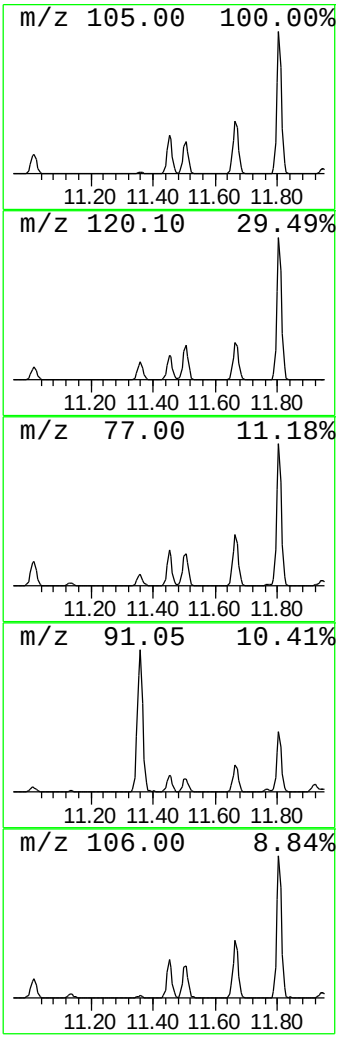
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	11.47 ug/l	205097	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-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

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Data File : VX010845.D
Acq On : 12 Jul 2019 18:46
Operator : JC/SP
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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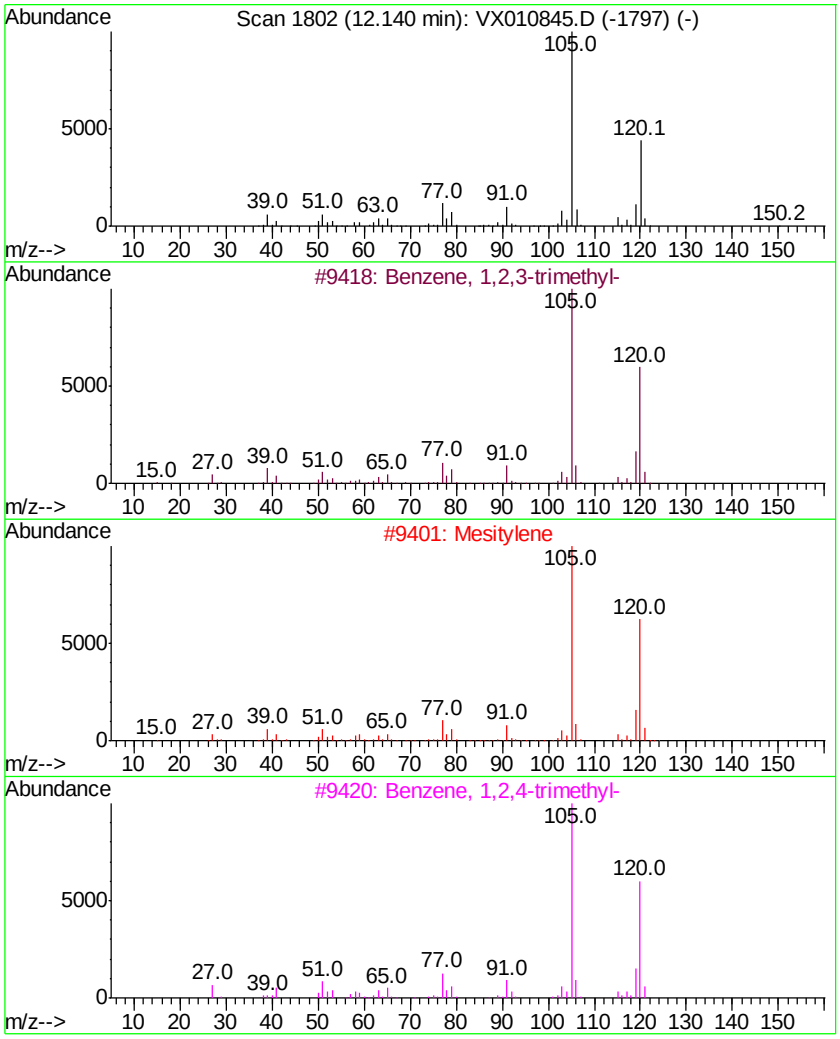
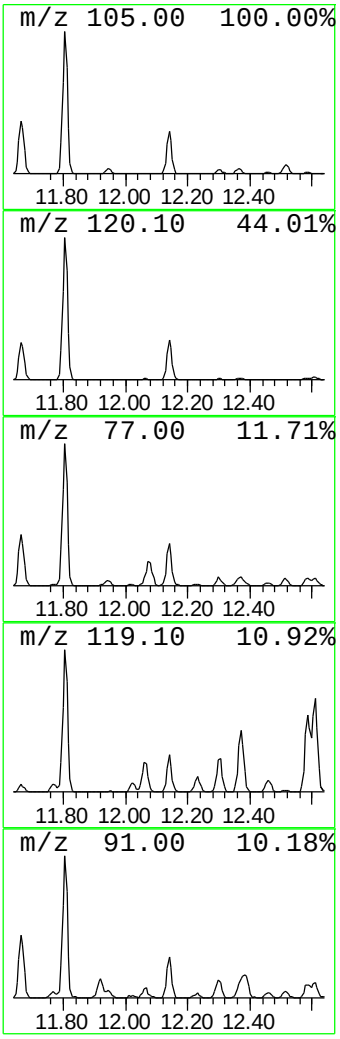
Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	13.70 ug/l	244950	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	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
Data File : VX010845.D
Acq On : 12 Jul 2019 18:46
Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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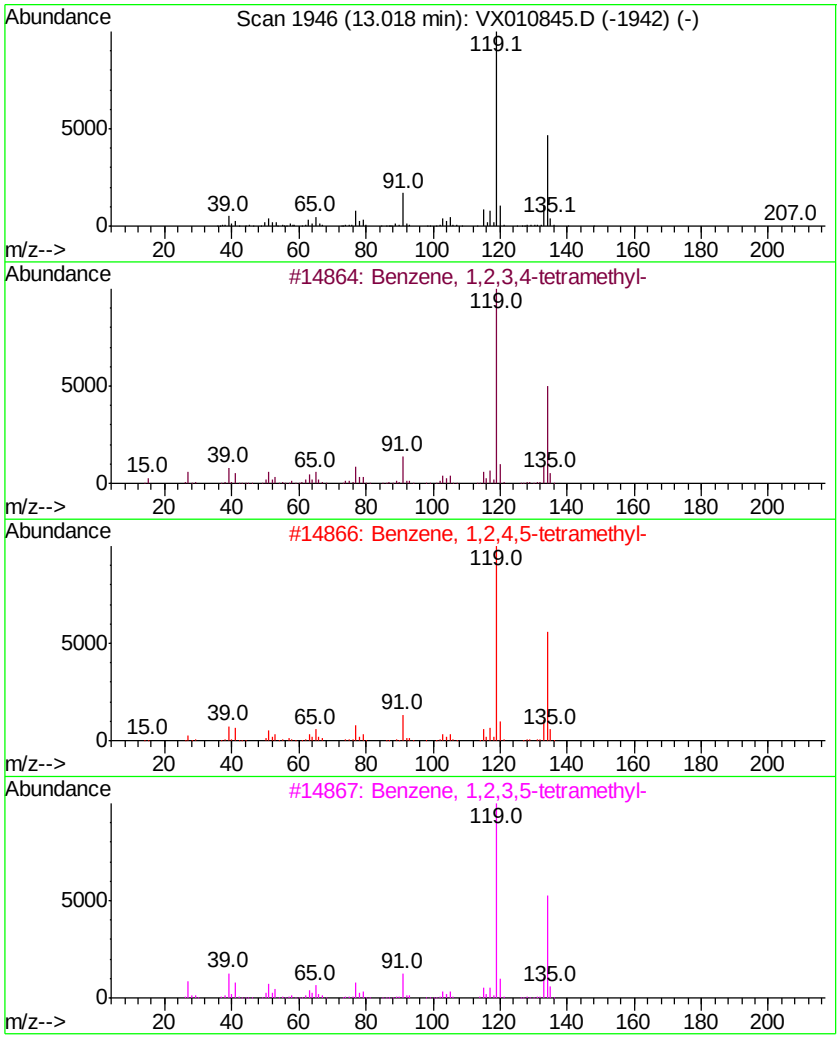
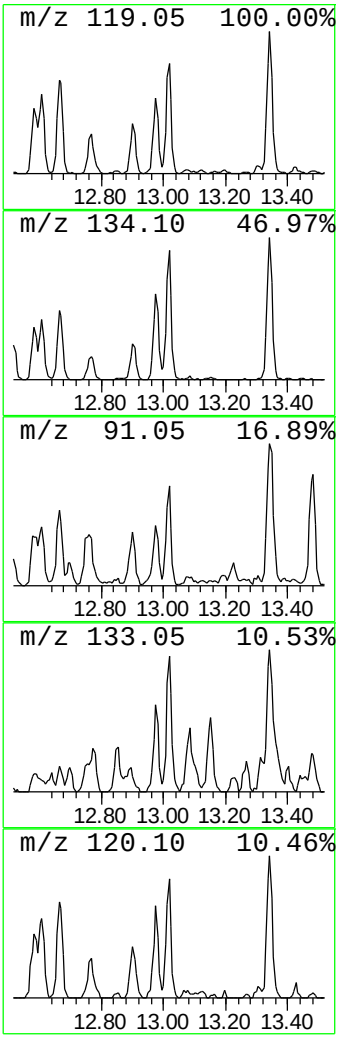
Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	5.65 ug/l	100957	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010845.D
Acq On : 12 Jul 2019 18:46
Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260

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

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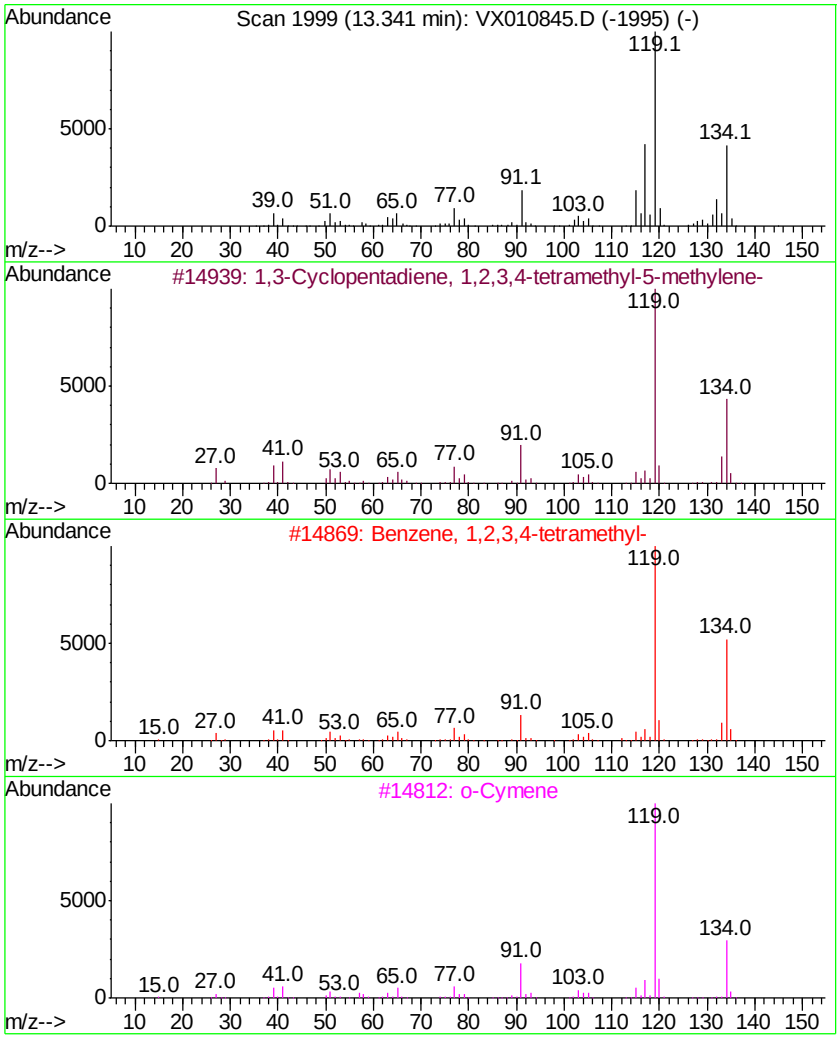
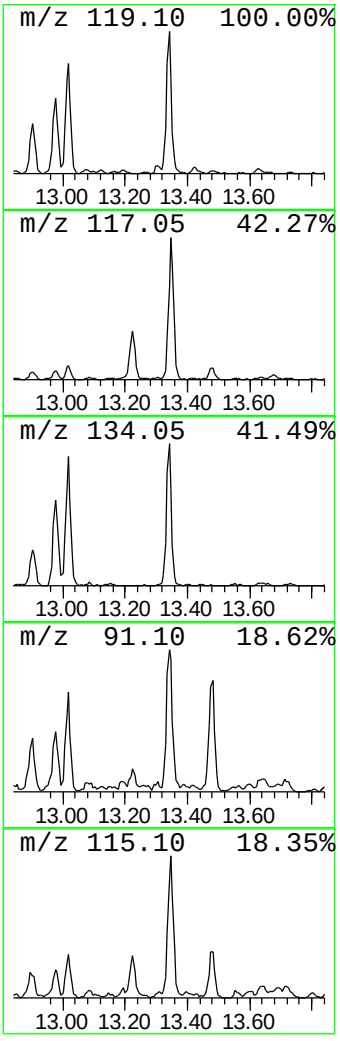
Peak Number 10 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	10.94 ug/l	195598	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
3	o-Cymene	134	C10H14	000527-84-4	70
4	p-Cymene	134	C10H14	000099-87-6	62
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071219\
Data File : VX010845.D
Acq On : 12 Jul 2019 18:46
Operator : JC/SP
Sample : K3786-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : FL-0591

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.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	12.0	ug/l	153729	1	5.67	638932	50.0
Pentane, 3-methyl-	3.17	13.3	ug/l	169769	1	5.67	638932	50.0
n-Hexane	3.53	6.1	ug/l	77809	1	5.67	638932	50.0
Cyclopentane, met...	4.40	20.6	ug/l	263660	1	5.67	638932	50.0
Hexane, 3-methyl-	5.93	7.7	ug/l	97967	1	5.67	638932	50.0
Benzene, 1-ethyl-...	11.45	11.5	ug/l	205097	4	12.08	893814	50.0
Benzene, 1,2,3-tr...	12.14	13.7	ug/l	244950	4	12.08	893814	50.0
Benzene, 1,2,3,4-...	13.02	5.7	ug/l	100957	4	12.08	893814	50.0
1,3-Cyclopentadie...	13.34	10.9	ug/l	195598	4	12.08	893814	50.0