LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
Data File : VX004896.D
Acq On : 02 Oct 2018 03:31
Operator : JC/MD
Sample : J5041-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0247

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	1.404	36	41	47	rBV	48174	50537	2.10%	0.159%
2	1.623	65	77	81	rBV6	13134	34129	1.42%	0.107%
3	1.782	98	103	117	rBV	648512	958219	39.75%	3.014%
4	1.995	133	138	147	rBV	146225	214268	8.89%	0.674%
5	2.391	195	203	210	rBV	179291	354614	14.71%	1.115%
6	2.617	235	240	248	rVB	42647	77165	3.20%	0.243%
7	2.842	269	277	281	rVV	209095	492819	20.44%	1.550%
8	2.885	281	284	286	rVV2	173354	287554	11.93%	0.904%
9	2.928	286	291	302	rVB	661781	1348892	55.95%	4.242%
10	3.165	321	330	343	rBV	501670	1143511	47.43%	3.596%
11	4.135	482	489	503	rVB2	14010	47089	1.95%	0.148%
12	4.293	506	515	521	rBV3	14233	41974	1.74%	0.132%
13	4.397	521	532	545	rVV	669013	1955286	81.10%	6.149%
14	4.543	548	556	571	rVB8	10028	42744	1.77%	0.134%
15	5.232	655	669	694	rVB3	26928	102274	4.24%	0.322%
16	5.500	700	713	718	rBV	170924	500708	20.77%	1.575%
17	5.574	718	725	734	rVV	583244	1657791	68.76%	5.214%
18	5.665	734	740	747	rVV	160943	395105	16.39%	1.243%
19	5.945	774	786	797	rVB2	72688	232110	9.63%	0.730%
20	6.067	797	806	825	rVB2	182519	479706	19.90%	1.509%
21	6.256	827	837	847	rBV2	92709	324862	13.47%	1.022%
22	6.360	847	854	861	rVV	91234	255874	10.61%	0.805%
23	6.451	861	869	881	rVB2	137264	379698	15.75%	1.194%
24	6.860	926	936	965	rBV	349740	881010	36.54%	2.771%
25	7.463	1020	1035	1049	rBV	1014113	2410878	100.00%	7.582%
26	7.732	1072	1079	1091	rVV	83131	164879	6.84%	0.519%
27	7.848	1091	1098	1106	rVB2	37629	78440	3.25%	0.247%
28	8.030	1121	1128	1141	rVB2	36731	86315	3.58%	0.271%
29	8.390	1178	1187	1193	rBV	43118	81855	3.40%	0.257%
30	8.585	1214	1219	1225	rVB2	17274	33357	1.38%	0.105%
31	8.665	1225	1232	1235	rBV2	121991	212018	8.79%	0.667%
32	8.713	1235	1240	1255	rVV	853405	1564265	64.88%	4.920%
33	8.841	1255	1261	1265	rVV	101950	188034	7.80%	0.591%
34	8.908	1269	1272	1279	rVV2	40153	65630	2.72%	0.206%

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Operator : JC/MD
Sample : J5041-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0247

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	9.042	1288	1294	1306	rVB	175991	299035	12.40%	0.940%
36	9.164	1306	1314	1320	rBV	80669	130689	5.42%	0.411%
37	9.573	1375	1381	1385	rBV	50576	80421	3.34%	0.253%
38	9.622	1385	1389	1394	rVV	110179	161267	6.69%	0.507%
39	9.677	1394	1398	1403	rVV	71377	102654	4.26%	0.323%
40	9.890	1426	1433	1445	rVB3	13718	31243	1.30%	0.098%
41	10.115	1464	1470	1477	rVV	758848	1087771	45.12%	3.421%
42	10.189	1477	1482	1487	rVV	109364	180238	7.48%	0.567%
43	10.335	1501	1506	1516	rVB3	64521	139837	5.80%	0.440%
44	10.512	1531	1535	1540	rVB	19364	28813	1.20%	0.091%
45	10.658	1548	1559	1564	rVV5	24238	72606	3.01%	0.228%
46	10.841	1576	1589	1596	rBV4	43161	89704	3.72%	0.282%
47	10.914	1596	1601	1606	rBV4	24085	44539	1.85%	0.140%
48	11.018	1614	1618	1630	rVB	98300	140475	5.83%	0.442%
49	11.140	1631	1638	1643	rBV	807532	1040542	43.16%	3.272%
50	11.182	1643	1645	1652	rVV2	23863	38242	1.59%	0.120%
51	11.256	1653	1657	1664	rVV8	25317	57281	2.38%	0.180%
52	11.359	1670	1674	1680	rVB	46132	60882	2.53%	0.191%
53	11.487	1691	1695	1706	rVB2	24763	45861	1.90%	0.144%
54	11.670	1714	1725	1728	rBV	76396	128539	5.33%	0.404%
55	11.768	1734	1741	1745	rVB3	33243	67169	2.79%	0.211%
56	11.944	1758	1770	1779	rBV2	87779	191045	7.92%	0.601%
57	12.079	1787	1792	1798	rBV	1026417	1266586	52.54%	3.983%
58	12.146	1798	1803	1808	rVV	833245	1049809	43.54%	3.302%
59	12.231	1812	1817	1821	rBV	71450	89926	3.73%	0.283%
60	12.298	1822	1828	1834	rBV	1300302	1656367	68.70%	5.209%
61	12.371	1835	1840	1849	rVB	89763	152857	6.34%	0.481%
62	12.463	1850	1855	1860	rBV	132379	168354	6.98%	0.529%
63	12.517	1860	1864	1871	rBV	249385	299937	12.44%	0.943%
64	12.670	1881	1889	1892	rBV	378108	486369	20.17%	1.530%
65	12.700	1892	1894	1899	rVB	200019	226614	9.40%	0.713%
66	12.755	1899	1903	1910	rVB2	473078	706030	29.29%	2.220%
67	12.816	1910	1913	1917	rVB	26901	31974	1.33%	0.101%
68	12.902	1917	1927	1932	rVB2	198934	286597	11.89%	0.901%
69	12.975	1932	1939	1944	rBV	257474	357108	14.81%	1.123%
70	13.084	1951	1957	1962	rBV2	40813	68750	2.85%	0.216%
71	13.152	1962	1968	1971	rBV	25019	38039	1.58%	0.120%

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Sample : J5041-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0247

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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Peak separation: 5

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

72	13.194	1971	1975	1977	rBV2	57950	68015	2.82%	0.214%
73	13.225	1977	1980	1984	rVV	144942	146725	6.09%	0.461%
74	13.347	1995	2000	2005	rBV2	854566	1150958	47.74%	3.620%
75	13.481	2017	2022	2028	rVB	248571	307819	12.77%	0.968%
76	13.566	2028	2036	2038	rBV2	32111	49179	2.04%	0.155%
77	13.603	2038	2042	2044	rBV	44961	54338	2.25%	0.171%
78	13.639	2044	2048	2052	rVV2	78020	111450	4.62%	0.351%
79	13.700	2052	2058	2059	rVV2	63176	96382	4.00%	0.303%
80	13.718	2059	2061	2070	rVB3	98474	176447	7.32%	0.555%
81	13.810	2071	2076	2077	rBV	28474	34751	1.44%	0.109%
82	13.834	2077	2080	2088	rVB2	68007	134694	5.59%	0.424%
83	13.914	2088	2093	2099	rBV	49454	70885	2.94%	0.223%
84	13.987	2099	2105	2109	rBV2	85211	116859	4.85%	0.368%
85	14.029	2109	2112	2116	rVB	35691	42311	1.76%	0.133%
86	14.133	2124	2129	2131	rBV	30353	41019	1.70%	0.129%
87	14.164	2131	2134	2140	rVB	30772	38870	1.61%	0.122%
88	14.285	2147	2154	2159	rVB3	59489	124525	5.17%	0.392%
89	14.377	2165	2169	2173	rVB	22009	28868	1.20%	0.091%
90	14.432	2173	2178	2182	rVB	37014	49197	2.04%	0.155%
91	14.541	2191	2196	2207	rBV2	97792	137150	5.69%	0.431%
92	14.694	2213	2221	2225	rBV	109142	152072	6.31%	0.478%
93	14.840	2240	2245	2254	rBV2	173261	245041	10.16%	0.771%
94	14.962	2259	2265	2272	rBV10	10677	27024	1.12%	0.085%
95	15.249	2305	2312	2320	rBV7	13456	32426	1.34%	0.102%
96	15.554	2356	2362	2365	rBV	18157	30863	1.28%	0.097%
97	15.688	2376	2384	2388	rBV2	28930	56795	2.36%	0.179%
98	15.724	2388	2390	2397	rVB	18080	24488	1.02%	0.077%

Sum of corrected areas: 31796931

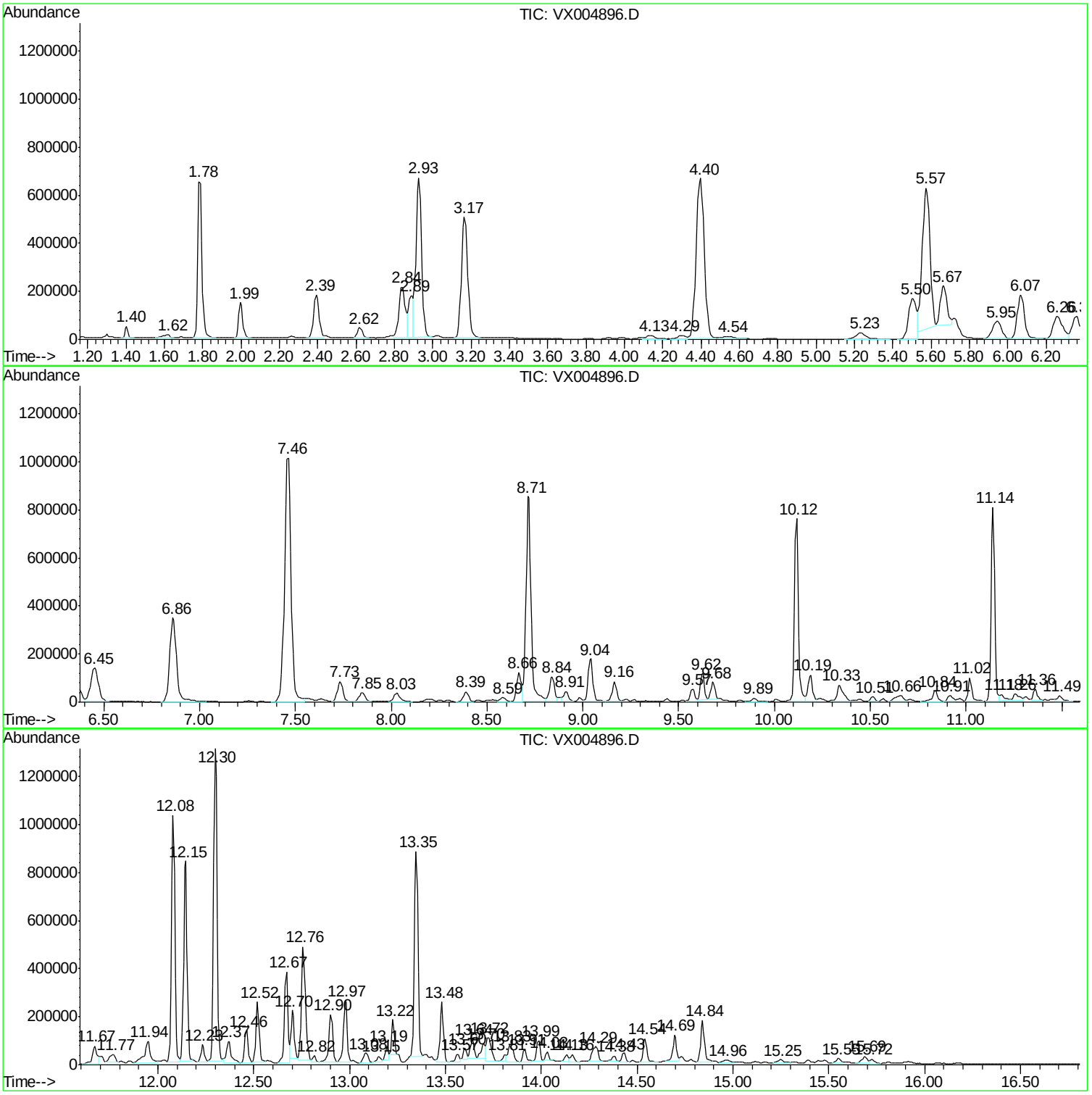
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004896.D
Acq On : 02 Oct 2018 03:31
Operator : JC/MD
Sample : J5041-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0247

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
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Sample : J5041-04
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Instrument : MSVOA_X
ClientSampleId : S13-0247

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

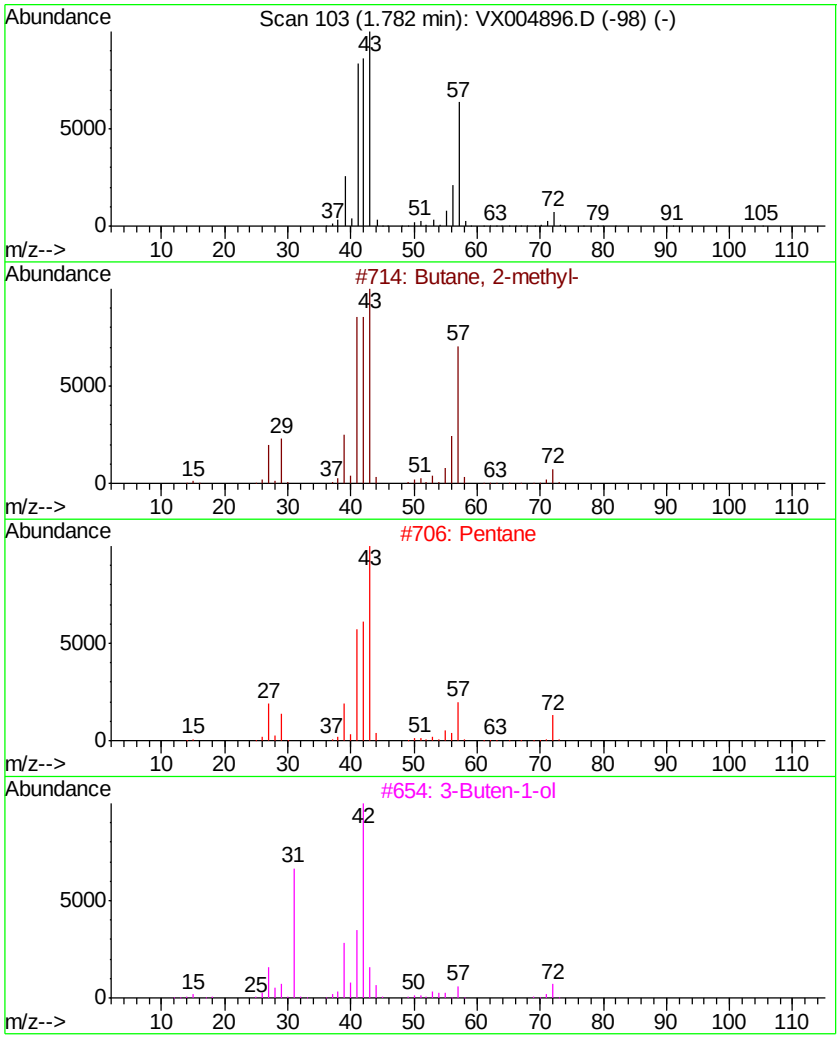
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

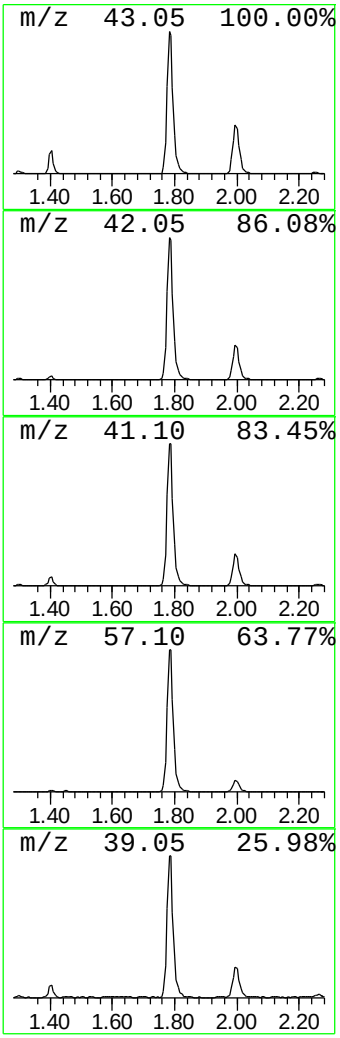
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	121.26 ug/l	958219	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Pentane	72	C5H12	000109-66-0	50
3	3-Buten-1-ol	72	C4H8O	000627-27-0	28
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	25
5	1-Butene	56	C4H8	000106-98-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004896.D
Acq On : 02 Oct 2018 03:31
Operator : JC/MD
Sample : J5041-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0247

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

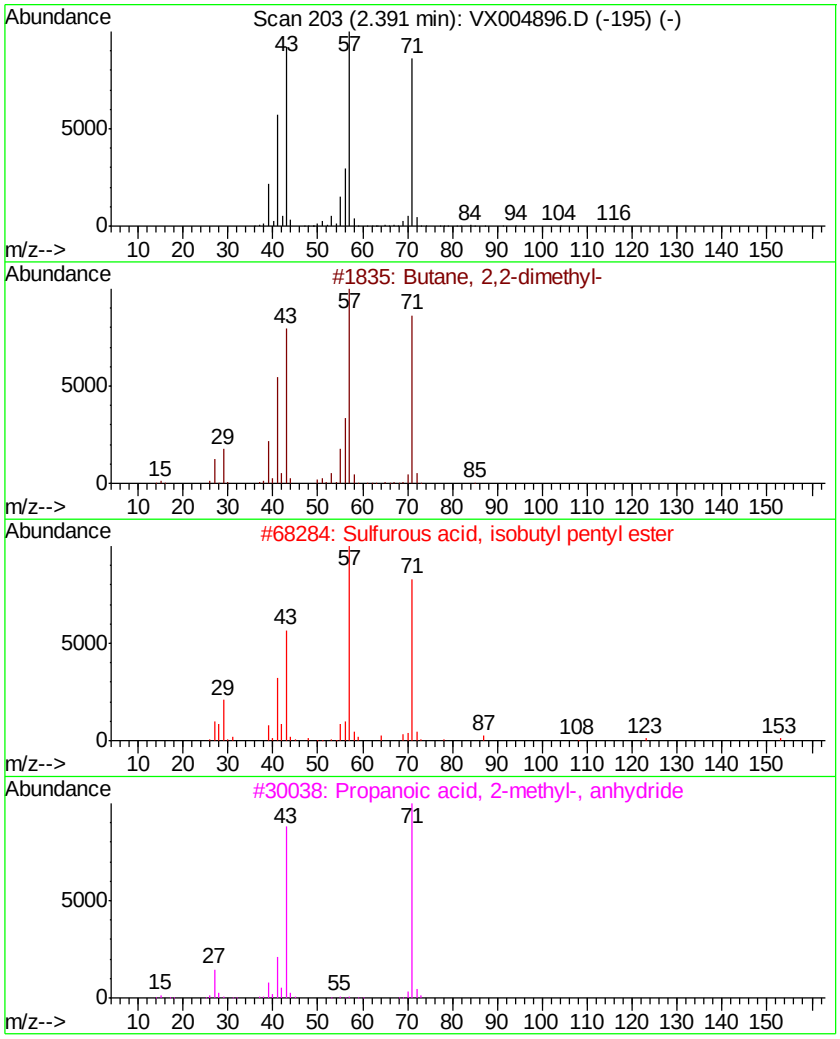
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

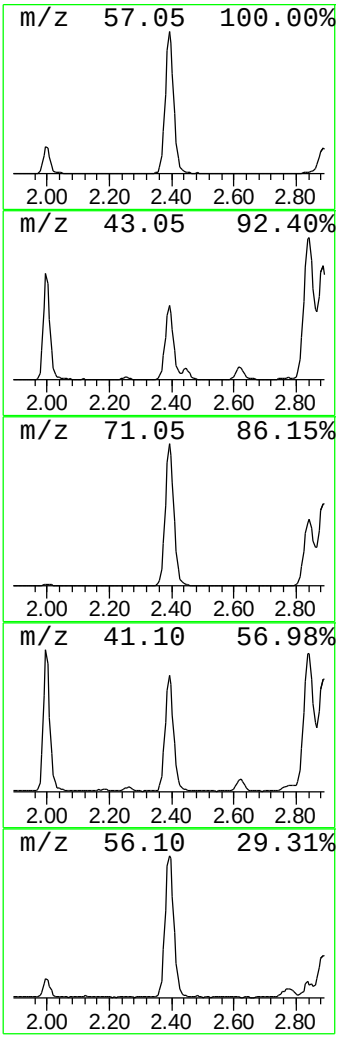
****

Peak Number 2 Butane, 2,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	44.88 ug/l	354614	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	90
2	Sulfurous acid, isobutyl pentyl ...	208	C9H20O3S	1000309-13-8	56
3	Propanoic acid, 2-methyl-, anhyd...	158	C8H14O3	000097-72-3	50
4	Butane, 2-iodo-3-methyl-	198	C5H11I	018295-27-7	42
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004896.D
Acq On : 02 Oct 2018 03:31
Operator : JC/MD
Sample : J5041-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0247

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

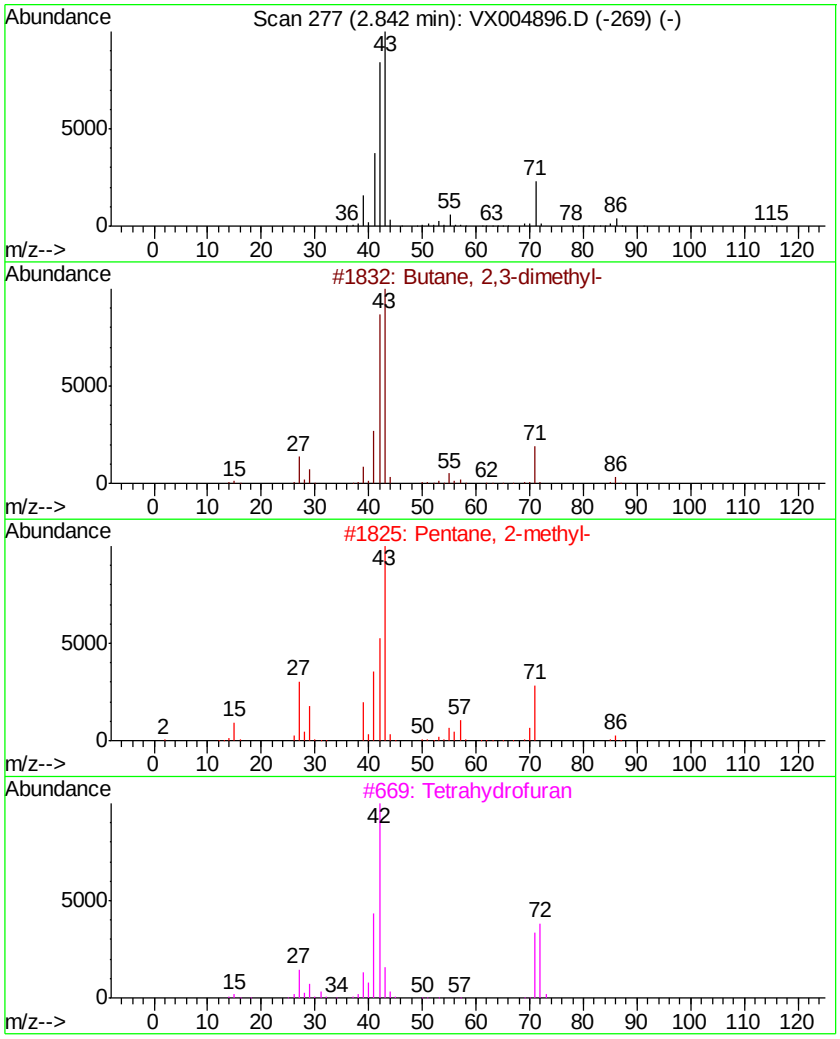
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

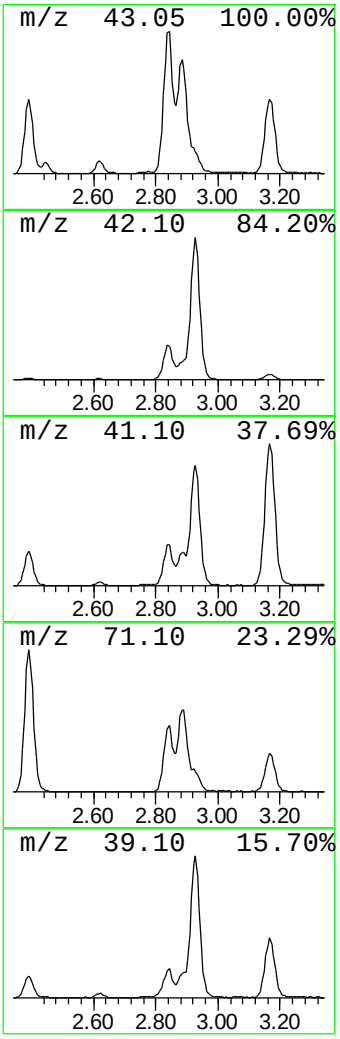
****

Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.84	62.37 ug/l	492819	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	Tetrahydrofuran	72	C4H8O	000109-99-9	36
4	Pyrrolidine	71	C4H9N	000123-75-1	10
5	Propanoic acid, 2-methyl-, 2-pro...	128	C7H12O2	015727-77-2	9





Library Search Compound Report

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Acq On : 02 Oct 2018 03:31
Operator : JC/MD
Sample : J5041-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0247

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

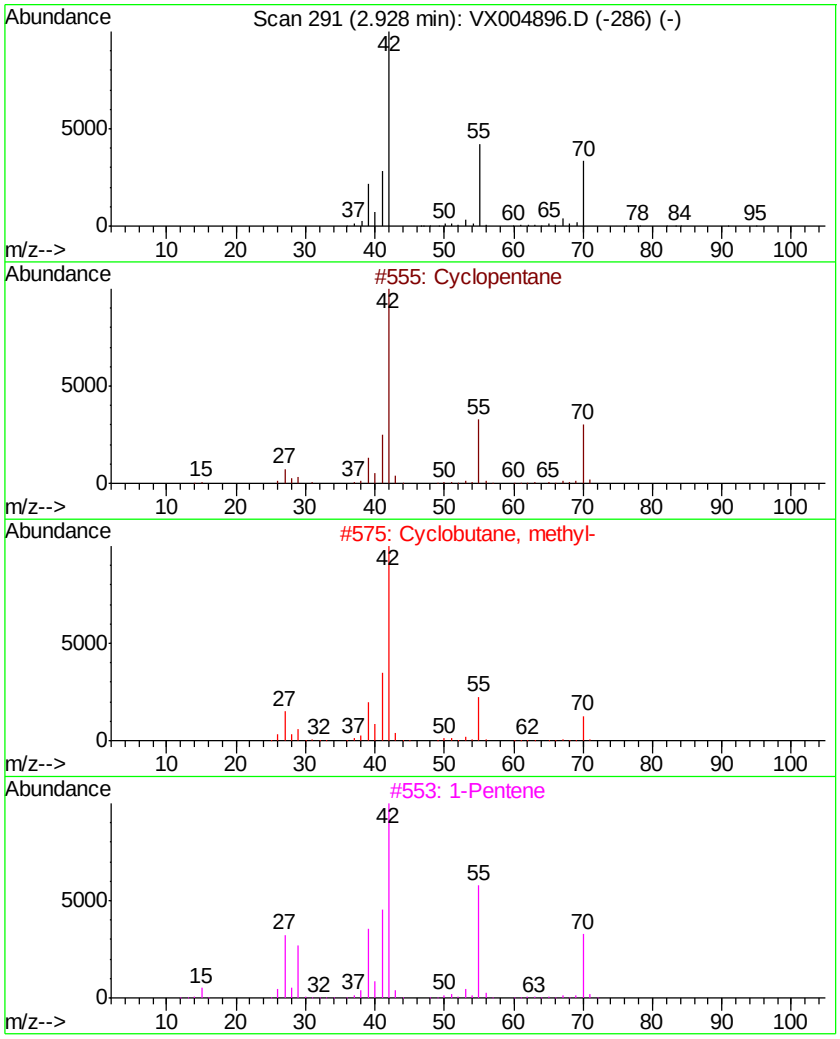
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

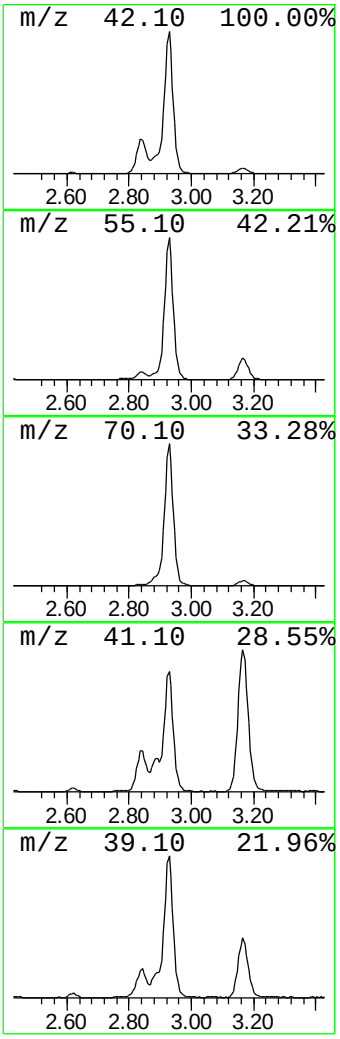
****

Peak Number 4 Cyclopentane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	170.70 ug/l	1348890	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	78
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
3	1-Pentene	70	C5H10	000109-67-1	64
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	9
5	Cyclobutanone	70	C4H6O	001191-95-3	5





Library Search Compound Report

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Data File : VX004896.D
Acq On : 02 Oct 2018 03:31
Operator : JC/MD
Sample : J5041-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0247

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

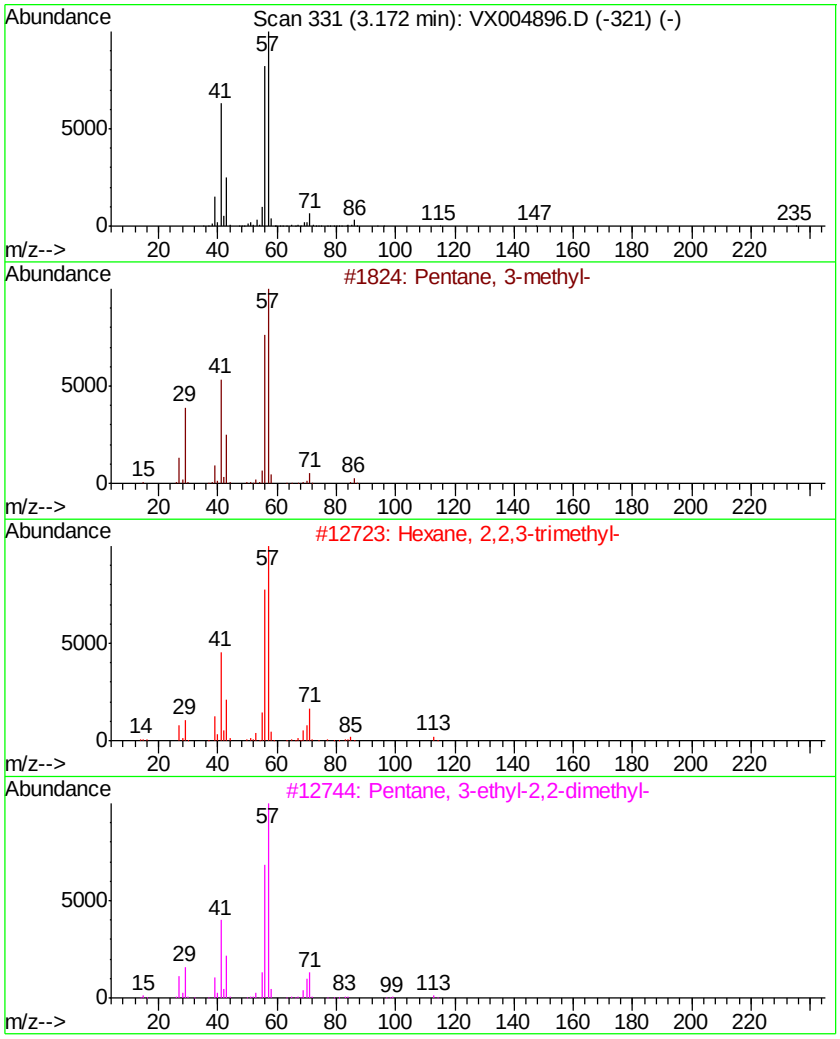
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

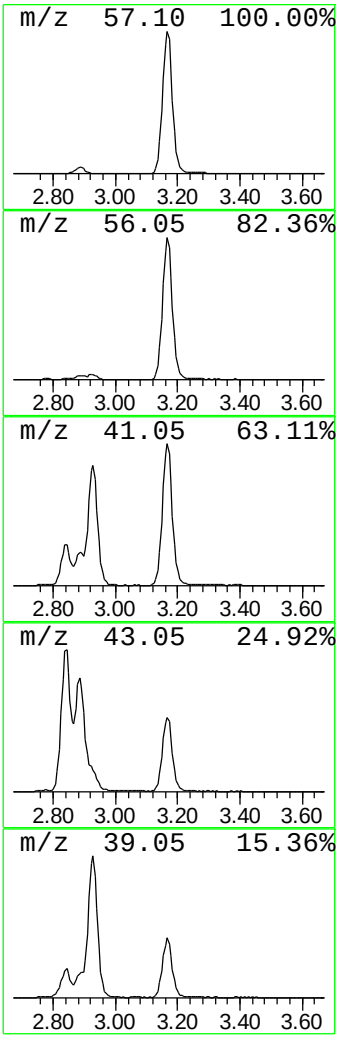
****

Peak Number 5 Pentane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	144.71 ug/l	1143510	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	64
4	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	50
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100118\
Data File : VX004896.D
Acq On : 02 Oct 2018 03:31
Operator : JC/MD
Sample : J5041-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : S13-0247

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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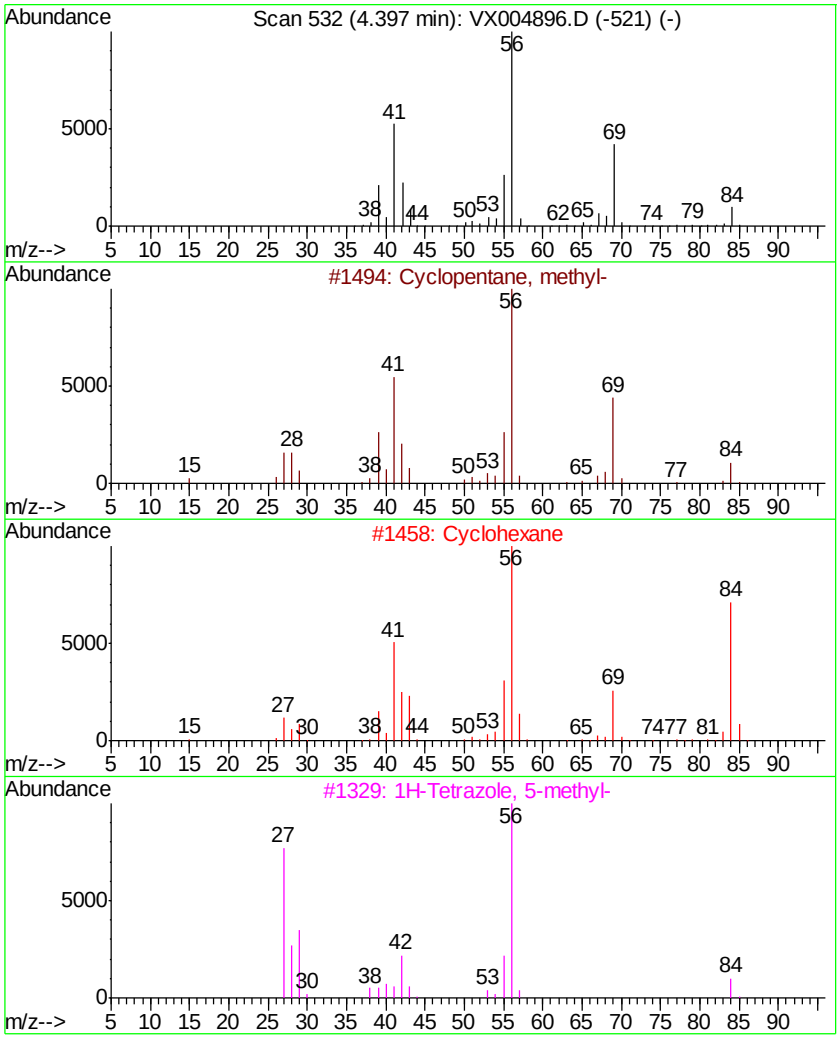
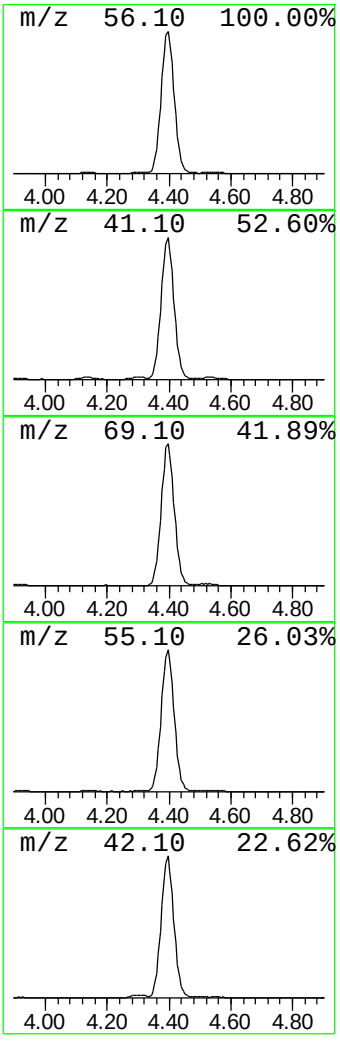
Peak Number 6 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	247.44 ug/l	1955290	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	78
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43





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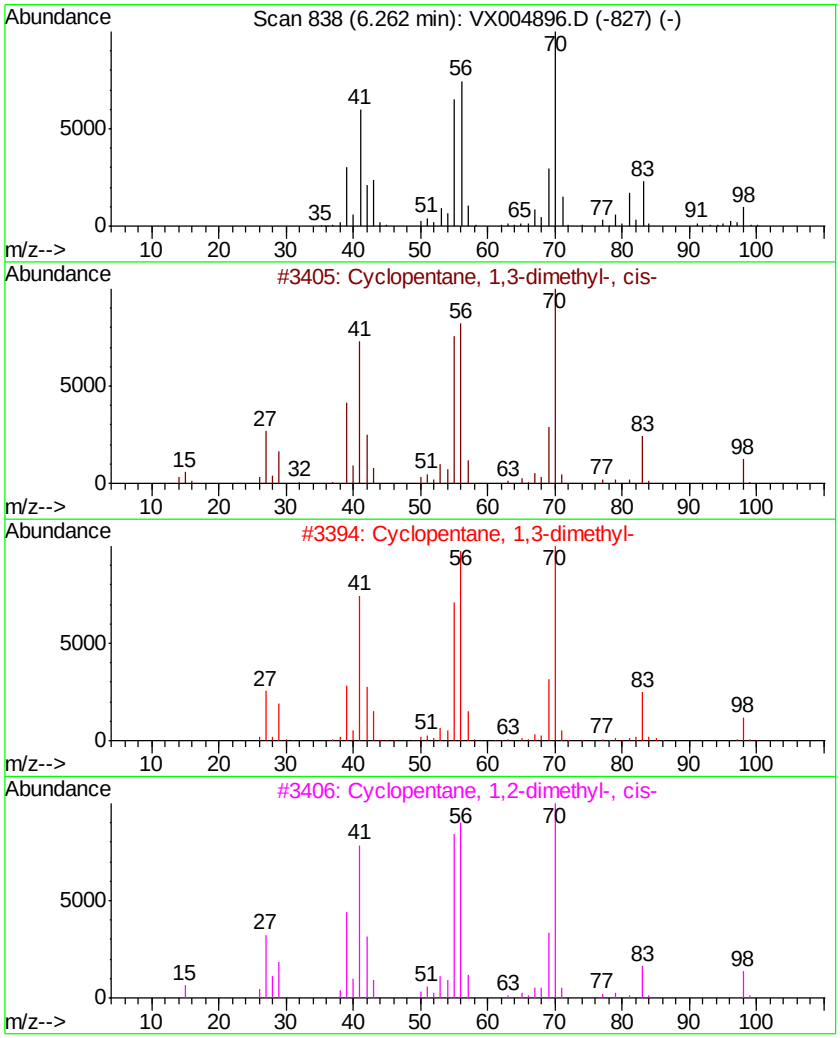
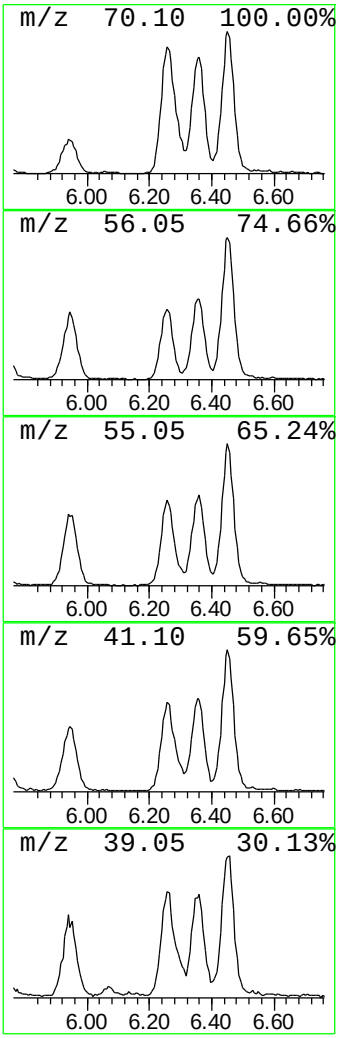
Peak Number 7 Cyclopentane, 1,3-dimethyl-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	41.11 ug/l	324862	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	95
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	94
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	93
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	93
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	58





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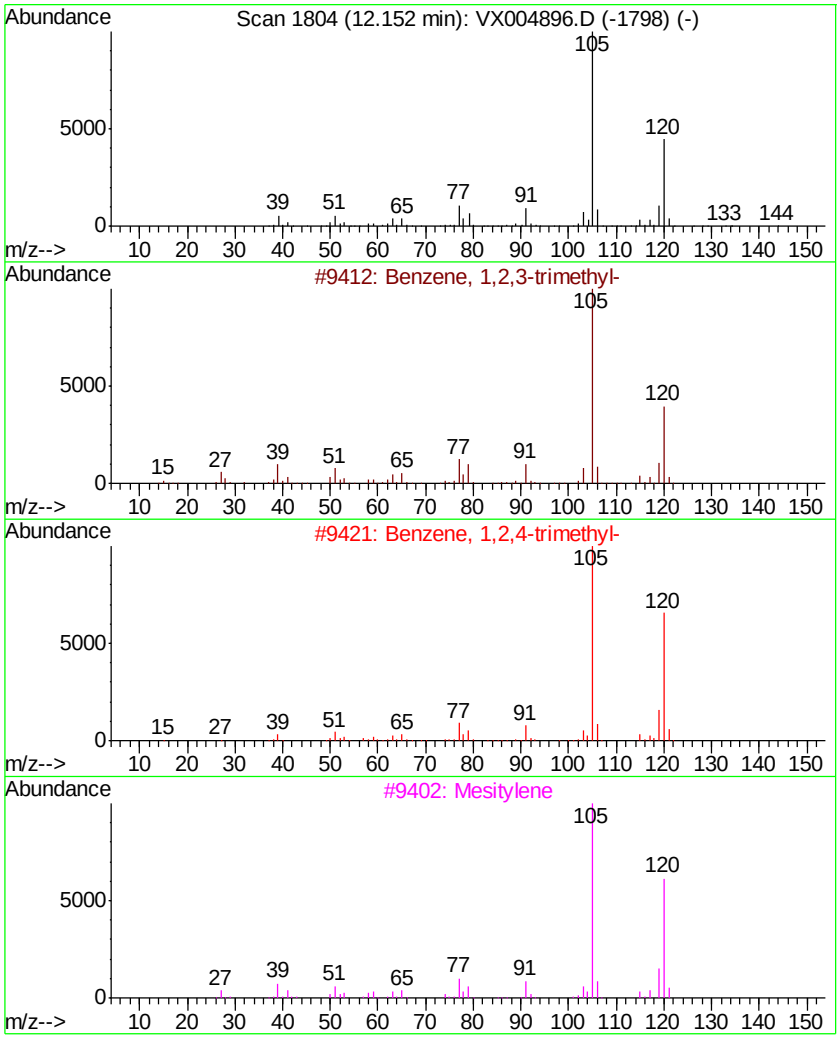
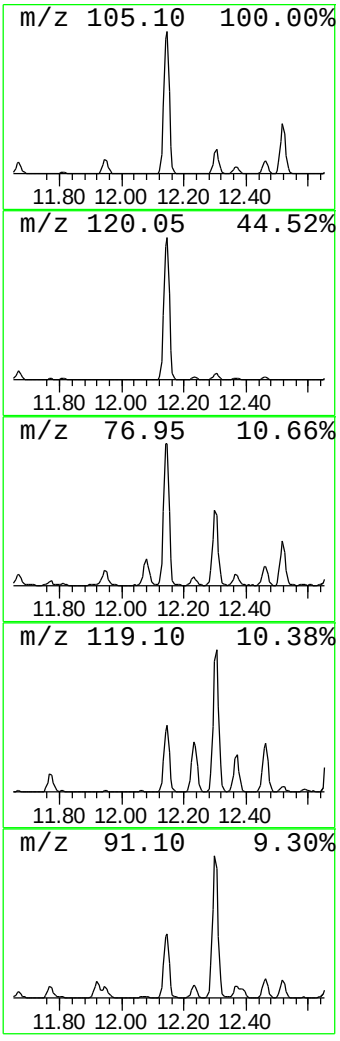
Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	41.44 ug/l	1049810	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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87





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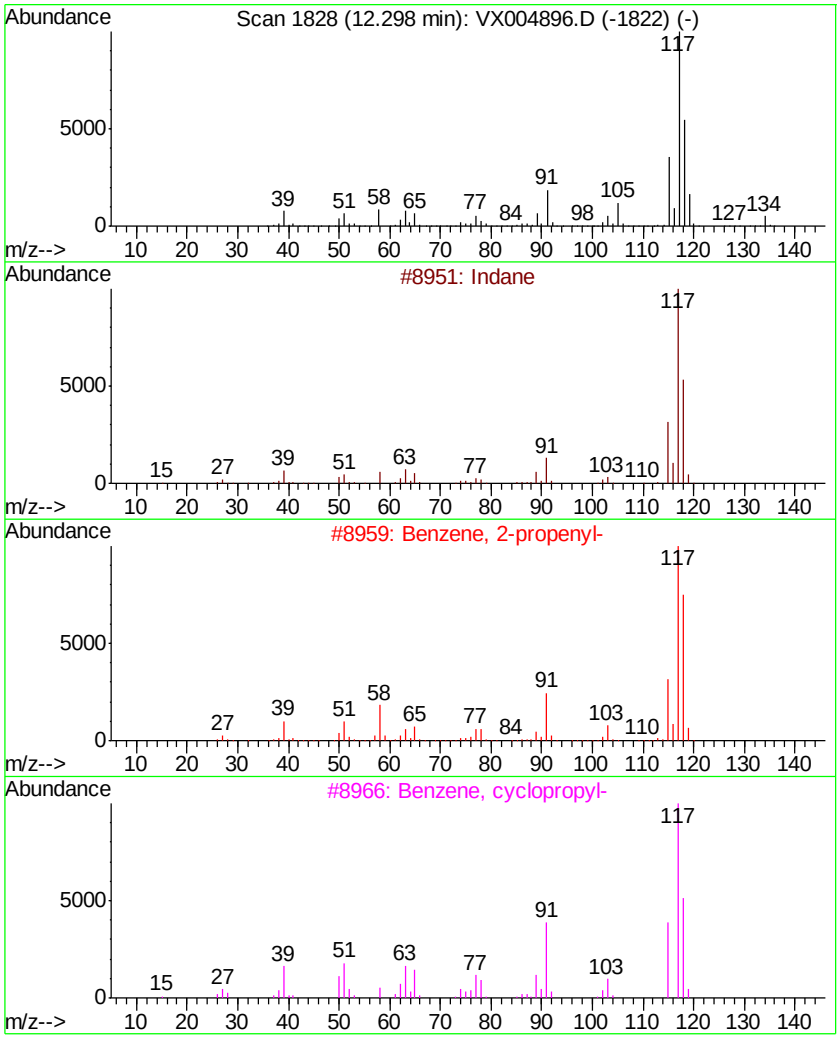
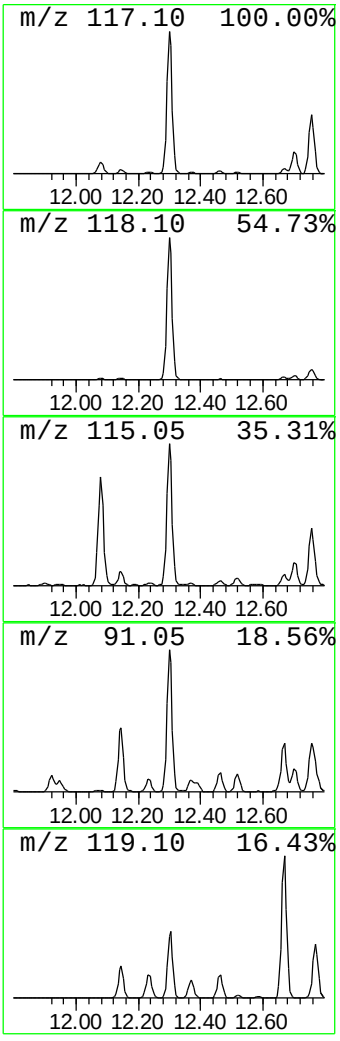
Peak Number 9 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	65.39 ug/l	1656370	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	68
5	Deltacyclene	118	C9H10	007785-10-6	58





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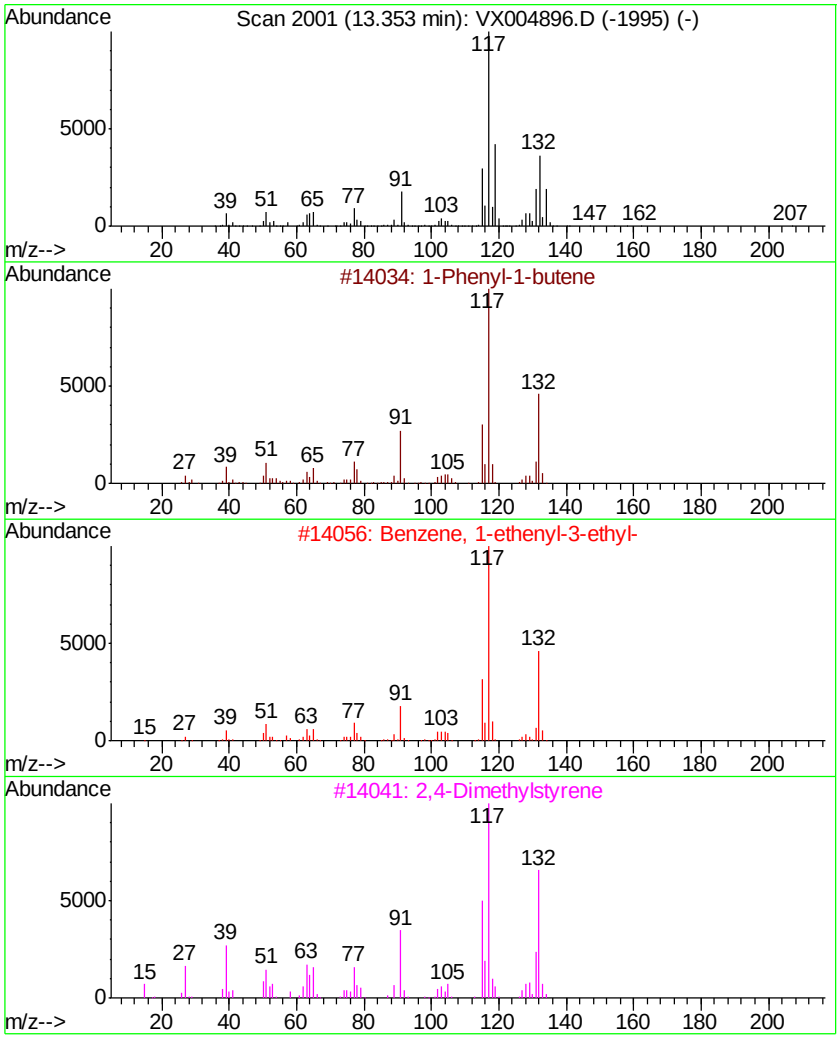
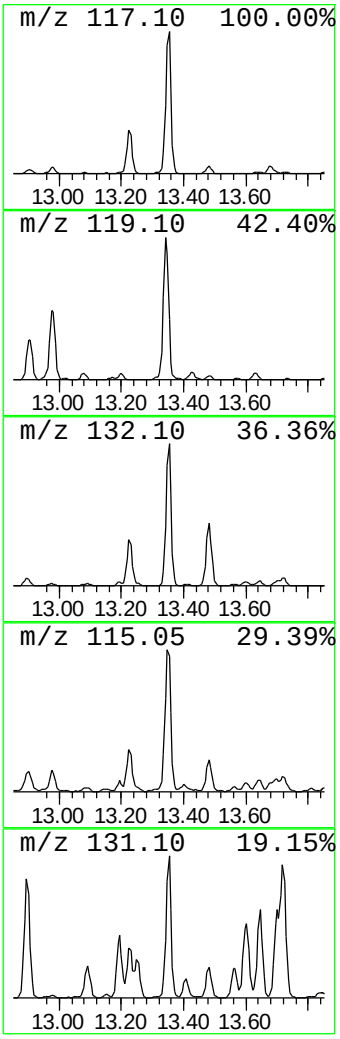
Peak Number 10 1-Phenyl-1-butene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	45.44 ug/l	1150960	1,4-Dichlorobenzene-d4	12.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	78
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	74
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	1.78	121.3	ug/l	958219	1	5.67	395105	50.0
Butane, 2,2-dimet...	2.39	44.9	ug/l	354614	1	5.67	395105	50.0
Butane, 2,3-dimet...	2.84	62.4	ug/l	492819	1	5.67	395105	50.0
Cyclopentane	2.93	170.7	ug/l	1348890	1	5.67	395105	50.0
Pentane, 3-methyl-	3.17	144.7	ug/l	1143510	1	5.67	395105	50.0
Cyclopentane, met...	4.40	247.4	ug/l	1955290	1	5.67	395105	50.0
Cyclopentane, 1,3...	6.26	41.1	ug/l	324862	1	5.67	395105	50.0
Benzene, 1,2,3-tr...	12.15	41.4	ug/l	1049810	4	12.08	1266590	50.0
Indane	12.30	65.4	ug/l	1656370	4	12.08	1266590	50.0
1-Phenyl-1-butene	13.35	45.4	ug/l	1150960	4	12.08	1266590	50.0