LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\
Data File : VX011092.D
Acq On : 26 Jul 2019 15:49
Operator : JC/SP
Sample : K4014-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-7

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	1.300	21	24	35	rVB	196961	197236	1.52%	0.196%
2	1.404	36	41	47	rVV	873647	940006	7.24%	0.933%
3	1.703	85	90	99	rVV	103183	143178	1.10%	0.142%
4	1.794	99	105	119	rVB	2964343	4263188	32.86%	4.232%
5	1.953	126	131	135	rBV	387210	530651	4.09%	0.527%
6	2.001	135	139	152	rVB	2071157	2890450	22.28%	2.869%
7	2.117	153	158	165	rBV	535574	760206	5.86%	0.755%
8	2.215	170	174	191	rVB	219836	344612	2.66%	0.342%
9	2.782	256	267	272	rBV4	111911	327791	2.53%	0.325%
10	2.849	272	278	280	rVV	175249	377647	2.91%	0.375%
11	2.891	280	285	288	rVV	544534	1124614	8.67%	1.116%
12	2.934	288	292	309	rVB2	764159	1859234	14.33%	1.846%
13	3.172	322	331	347	rVB	445119	1032125	7.95%	1.025%
14	3.416	361	371	380	rBV	108836	242795	1.87%	0.241%
15	3.525	380	389	402	rVV	387087	876129	6.75%	0.870%
16	3.672	405	413	419	rVV	98748	236873	1.83%	0.235%
17	3.751	419	426	446	rVB	184267	494562	3.81%	0.491%
18	3.995	458	466	470	rBV	74806	198468	1.53%	0.197%
19	4.044	470	474	496	rVB2	99010	360485	2.78%	0.358%
20	4.409	522	534	549	rVB	1760627	5167698	39.83%	5.130%
21	5.501	698	713	717	rBV	127643	390836	3.01%	0.388%
22	5.586	717	727	736	rVV	1809546	5587897	43.07%	5.547%
23	5.665	736	740	749	rVB	150650	365705	2.82%	0.363%
24	5.940	773	785	796	rBV4	144997	495475	3.82%	0.492%
25	6.062	796	805	815	rBV	117782	298878	2.30%	0.297%
26	6.263	825	838	848	rBV3	146320	552107	4.26%	0.548%
27	6.360	848	854	861	rVV2	149018	405503	3.13%	0.403%
28	6.458	861	870	880	rVB	202990	555410	4.28%	0.551%
29	6.708	899	911	918	rBV2	76918	189268	1.46%	0.188%
30	6.860	928	936	944	rBV	312634	716994	5.53%	0.712%
31	7.464	1023	1035	1045	rBV	1431106	3273112	25.23%	3.249%
32	7.732	1072	1079	1090	rVB2	129628	263797	2.03%	0.262%
33	8.567	1209	1216	1224	rVB	100686	169376	1.31%	0.168%
34	8.665	1224	1232	1235	rBV3	74145	152826	1.18%	0.152%

LSC Area Percent Report

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-7

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	8.713	1235	1240	1247	rVB	681676	1059315	8.16%	1.052%
36	8.781	1247	1251	1256	rBV	112121	174549	1.35%	0.173%
37	8.902	1265	1271	1278	rVB	114433	197297	1.52%	0.196%
38	9.500	1363	1369	1375	rBV	248220	398806	3.07%	0.396%
39	10.073	1457	1463	1466	rBV2	242668	428245	3.30%	0.425%
40	10.110	1466	1469	1474	rVV	681634	902591	6.96%	0.896%
41	10.158	1474	1477	1480	rVV	139896	184104	1.42%	0.183%
42	10.201	1480	1484	1487	rVV	411249	519406	4.00%	0.516%
43	10.250	1487	1492	1498	rVB	5116013	6775657	52.22%	6.726%
44	10.360	1504	1510	1515	rBV	9754180	12975114	100.00%	12.880%
45	10.695	1560	1565	1571	rBV	1381533	1747765	13.47%	1.735%
46	10.841	1578	1589	1591	rBV2	267675	439087	3.38%	0.436%
47	11.018	1612	1618	1624	rBV	544828	696768	5.37%	0.692%
48	11.134	1630	1637	1641	rBV	684728	910334	7.02%	0.904%
49	11.225	1646	1652	1658	rVV2	162393	336850	2.60%	0.334%
50	11.323	1662	1668	1670	rVV	290457	407254	3.14%	0.404%
51	11.359	1670	1674	1681	rVV	1365111	1762779	13.59%	1.750%
52	11.433	1681	1686	1693	rVV	3670145	6360508	49.02%	6.314%
53	11.506	1693	1698	1705	rVB	1961664	2343256	18.06%	2.326%
54	11.664	1719	1724	1729	rBV	2273579	2780629	21.43%	2.760%
55	11.750	1733	1738	1742	rVV2	204400	270744	2.09%	0.269%
56	11.804	1742	1747	1752	rVV	6041984	7455320	57.46%	7.401%
57	11.847	1752	1754	1759	rVV	170966	183249	1.41%	0.182%
58	11.939	1759	1769	1777	rVV4	508242	908860	7.00%	0.902%
59	12.024	1778	1783	1786	rVV	116916	158128	1.22%	0.157%
60	12.073	1786	1791	1798	rVV	791804	1139538	8.78%	1.131%
61	12.140	1798	1802	1809	rVV	948008	1344674	10.36%	1.335%
62	12.201	1809	1812	1821	rVB2	149855	223916	1.73%	0.222%
63	12.298	1821	1828	1835	rBV2	1521532	2526946	19.48%	2.508%
64	12.371	1835	1840	1850	rVB2	712205	1091768	8.41%	1.084%
65	12.518	1859	1864	1869	rVB	240355	291994	2.25%	0.290%
66	12.585	1869	1875	1877	rBV	337946	437295	3.37%	0.434%
67	12.609	1877	1879	1884	rVV	310525	354483	2.73%	0.352%
68	12.664	1884	1888	1891	rVV	718182	870769	6.71%	0.864%
69	12.701	1891	1894	1899	rVV	188977	291278	2.24%	0.289%
70	12.755	1899	1903	1909	rVV2	428632	679861	5.24%	0.675%
71	12.902	1921	1927	1932	rVB	190657	278199	2.14%	0.276%

LSC Area Percent Report

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-7

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

72	12.975	1932	1939	1942	rBV	333985	433195	3.34%	0.430%
73	13.018	1942	1946	1951	rVB	438472	554379	4.27%	0.550%
74	13.225	1976	1980	1984	rVB	308166	377146	2.91%	0.374%
75	13.347	1996	2000	2006	rVB2	719019	942964	7.27%	0.936%
76	13.475	2017	2021	2028	rVB	117920	157435	1.21%	0.156%
77	13.639	2044	2048	2054	rVB3	81101	141345	1.09%	0.140%
78	13.828	2073	2079	2088	rBV	1157518	1456760	11.23%	1.446%
79	14.694	2217	2221	2231	rVB	500461	634001	4.89%	0.629%
80	14.834	2239	2244	2254	rVB2	247859	348052	2.68%	0.346%

Sum of corrected areas: 100737745

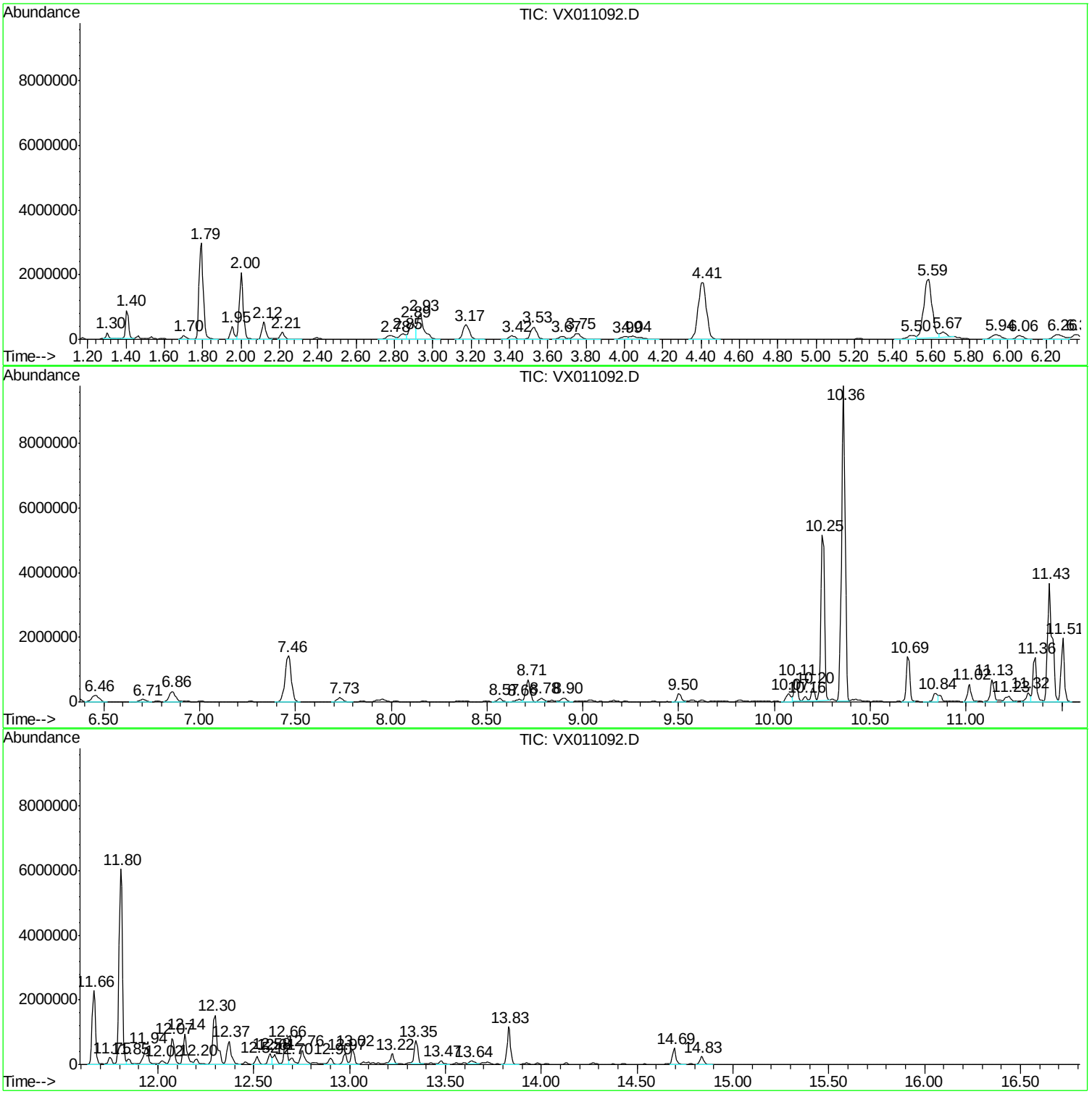
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011092.D
Acq On : 26 Jul 2019 15:49
Operator : JC/SP
Sample : K4014-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-7

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\VX072619\
Data File : VX011092.D
Acq On : 26 Jul 2019 15:49
Operator : JC/SP
Sample : K4014-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-7

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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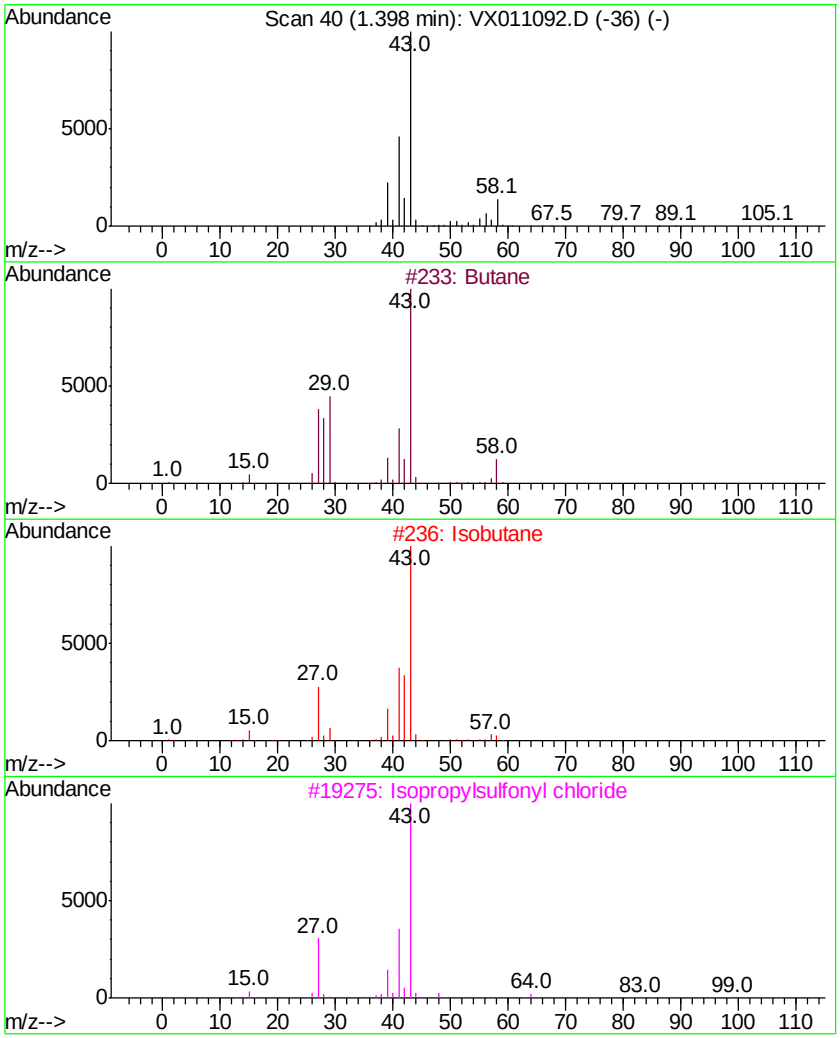
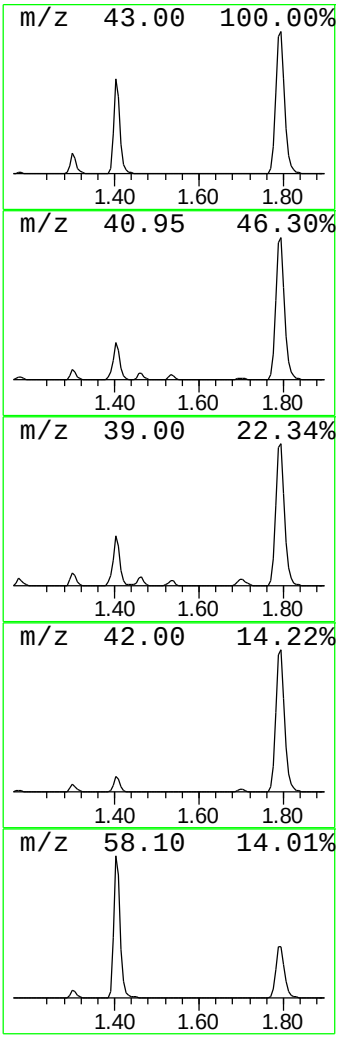
Peak Number 1 Butane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	128.52 ug/l	940006	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	80
2	Isobutane	58	C4H10	000075-28-5	9
3	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
4	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
5	Allyl acetate	100	C5H8O2	000591-87-7	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011092.D
Acq On : 26 Jul 2019 15:49
Operator : JC/SP
Sample : K4014-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-7

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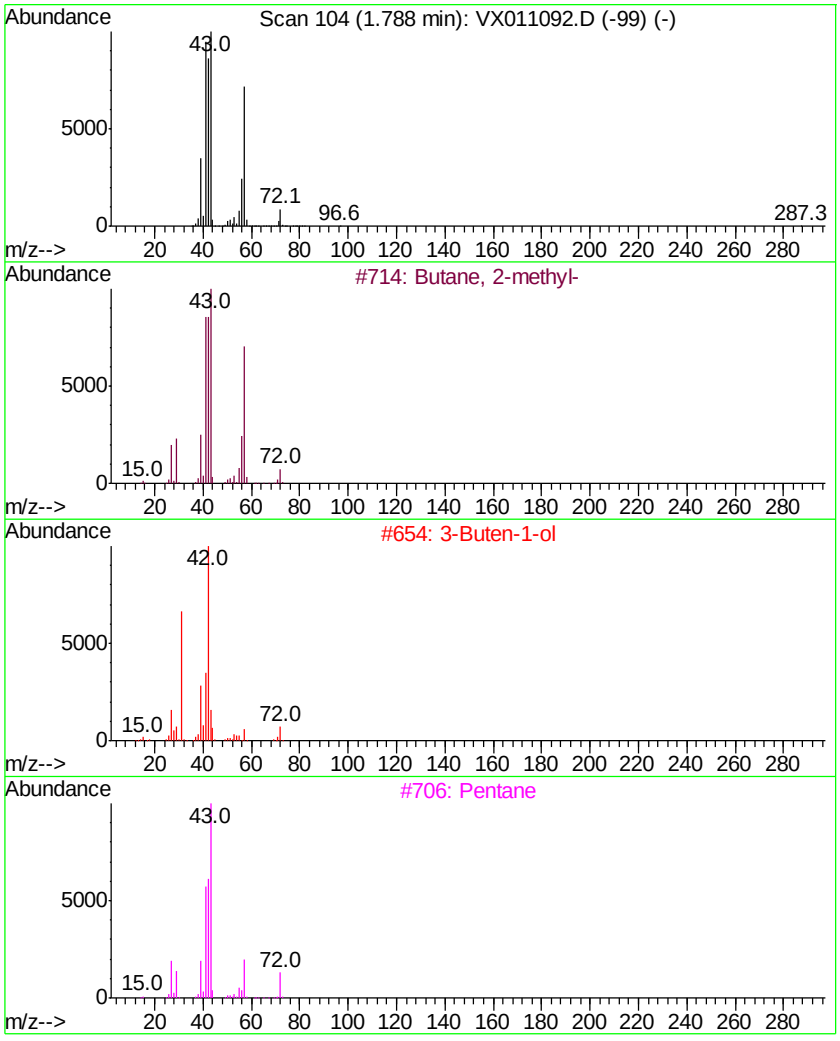
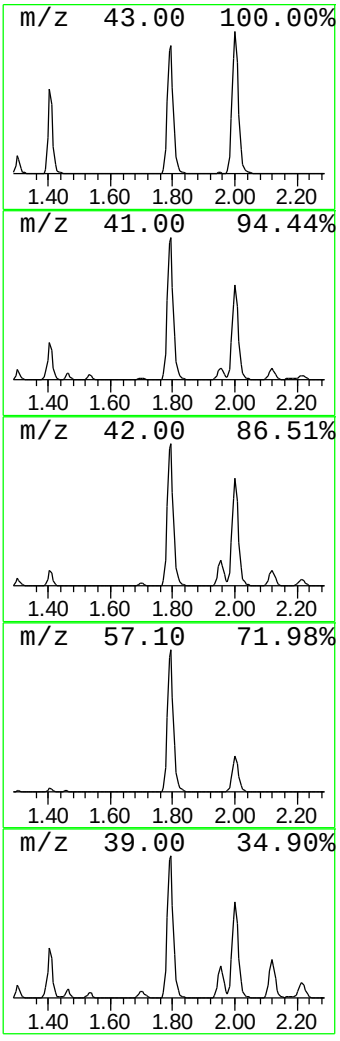
Peak Number 2 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	582.87 ug/l	4263190	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	43
3	Pentane	72	C5H12	000109-66-0	28
4	Propane, 2-methyl-2-nitro-	103	C4H9NO2	000594-70-7	10
5	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011092.D
Acq On : 26 Jul 2019 15:49
Operator : JC/SP
Sample : K4014-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-7

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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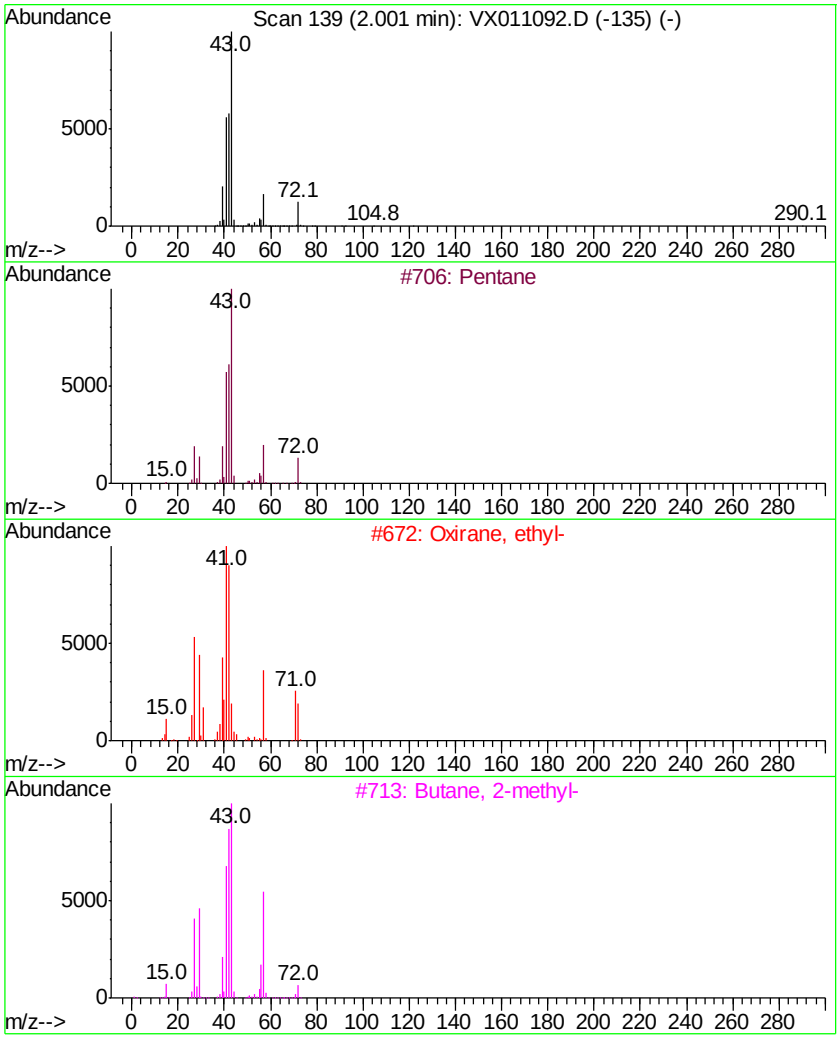
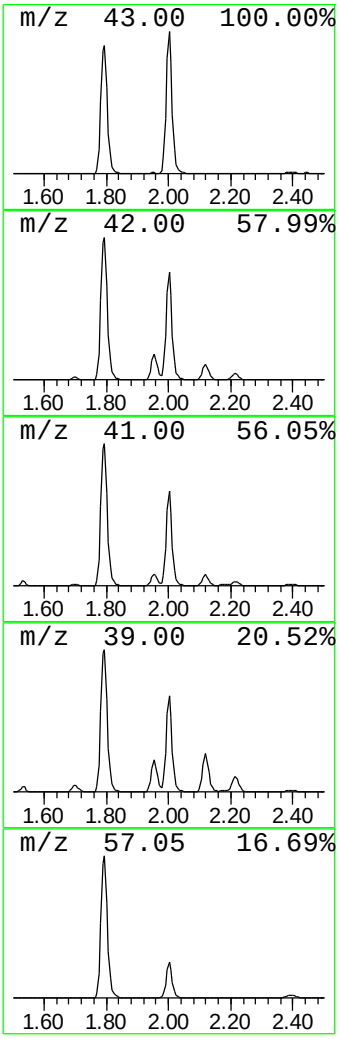
Peak Number 3 Pentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	395.19 ug/l	2890450	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
3	Butane, 2-methyl-	72	C5H12	000078-78-4	38
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	35
5	Cyclobutylamine	71	C4H9N	002516-34-9	9





Library Search Compound Report

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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-7

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

TIC Library : C:\DATABASE\NIST11.L
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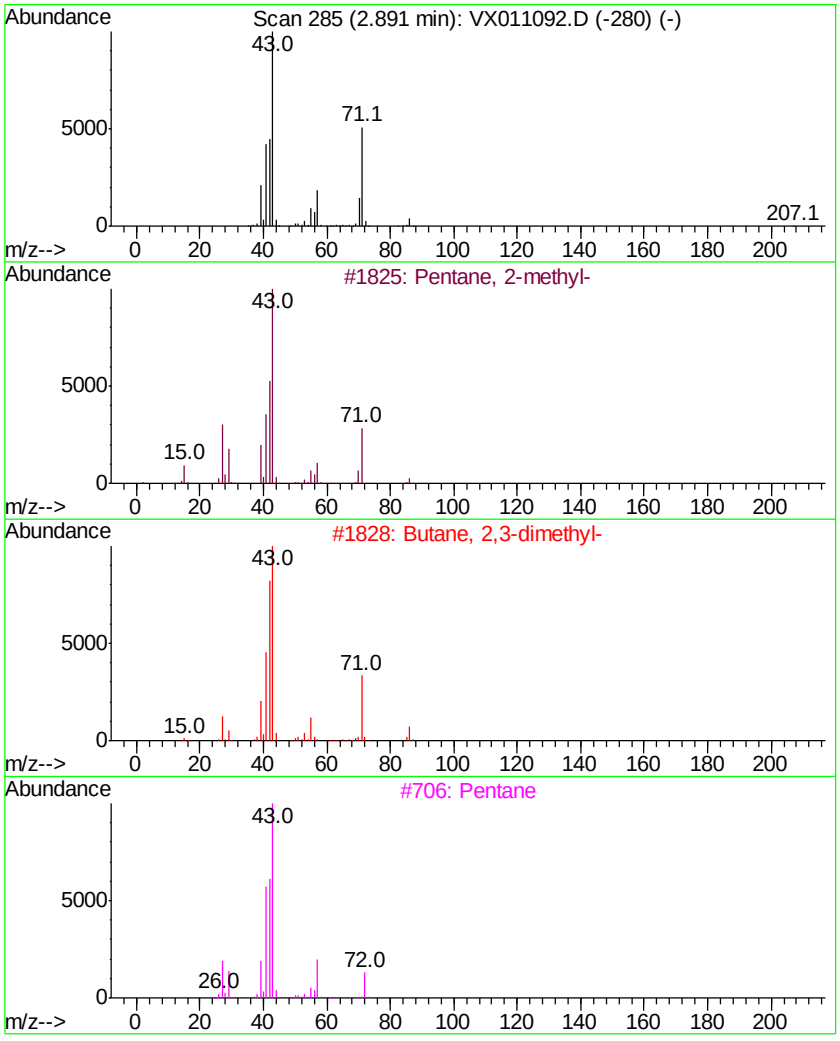
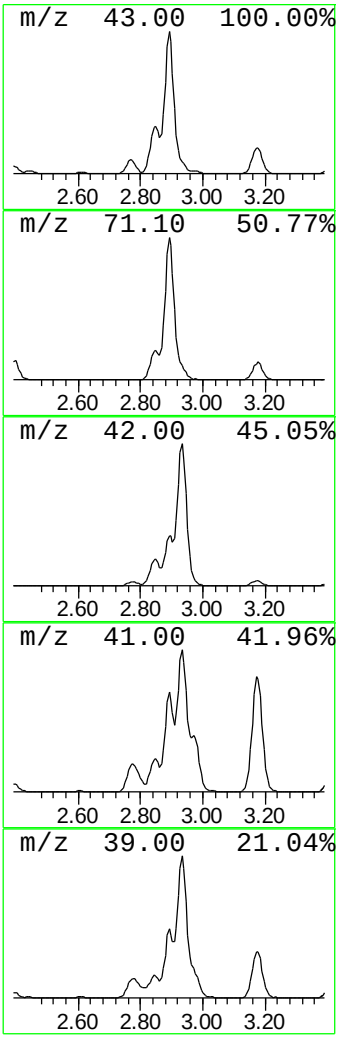
Peak Number 4 Pentane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	153.76 ug/l	1124610	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	52
3	Pentane	72	C5H12	000109-66-0	49
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	40
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38





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Operator : JC/SP
Sample : K4014-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-7

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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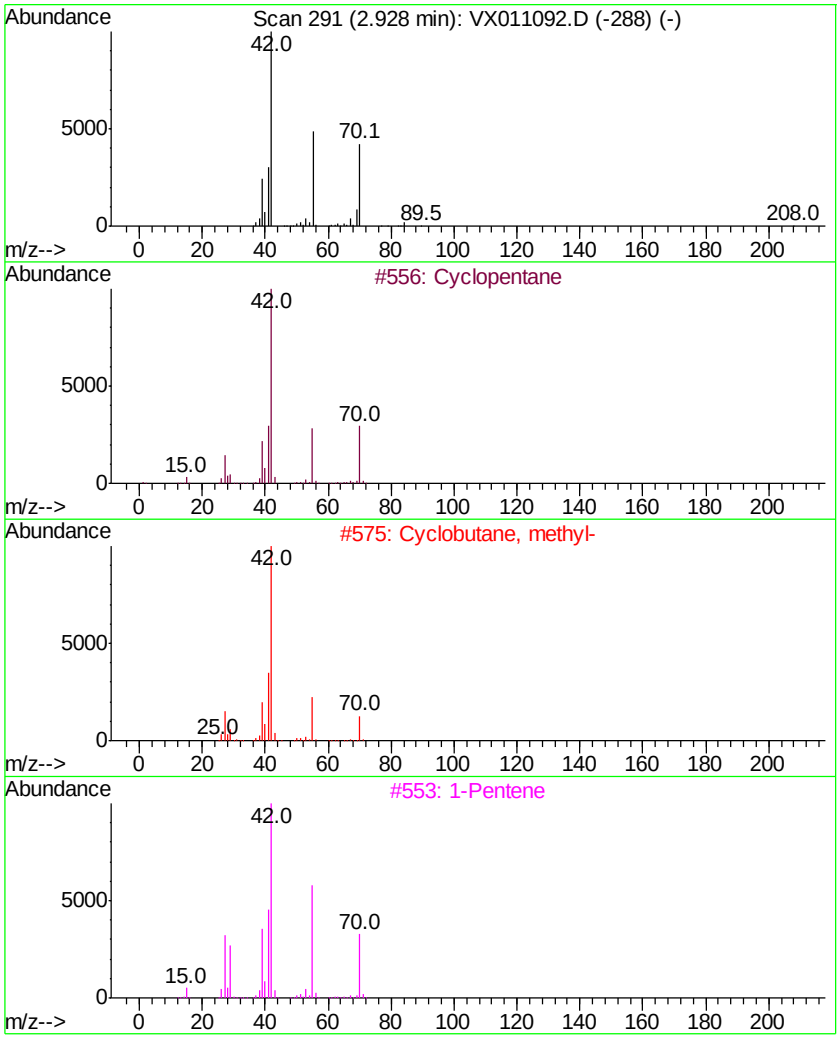
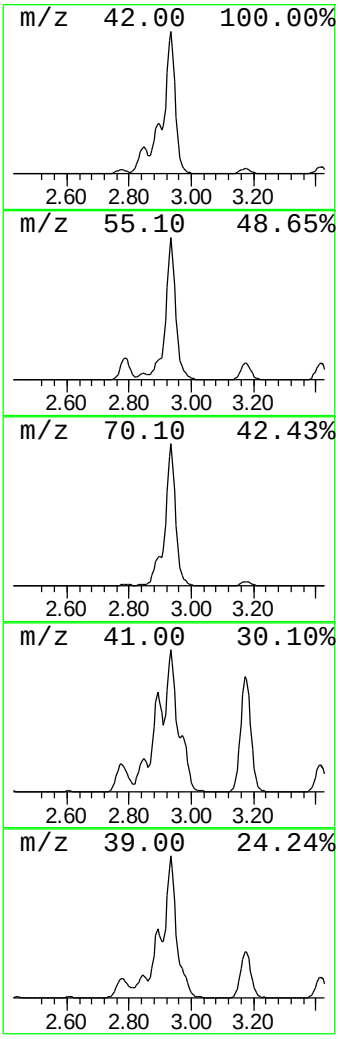
Peak Number 5 Cyclopentane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	254.20 ug/l	1859230	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	72
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
3	1-Pentene	70	C5H10	000109-67-1	72
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	43
5	2-Pentene	70	C5H10	000109-68-2	43





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Data File : VX011092.D
Acq On : 26 Jul 2019 15:49
Operator : JC/SP
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-7

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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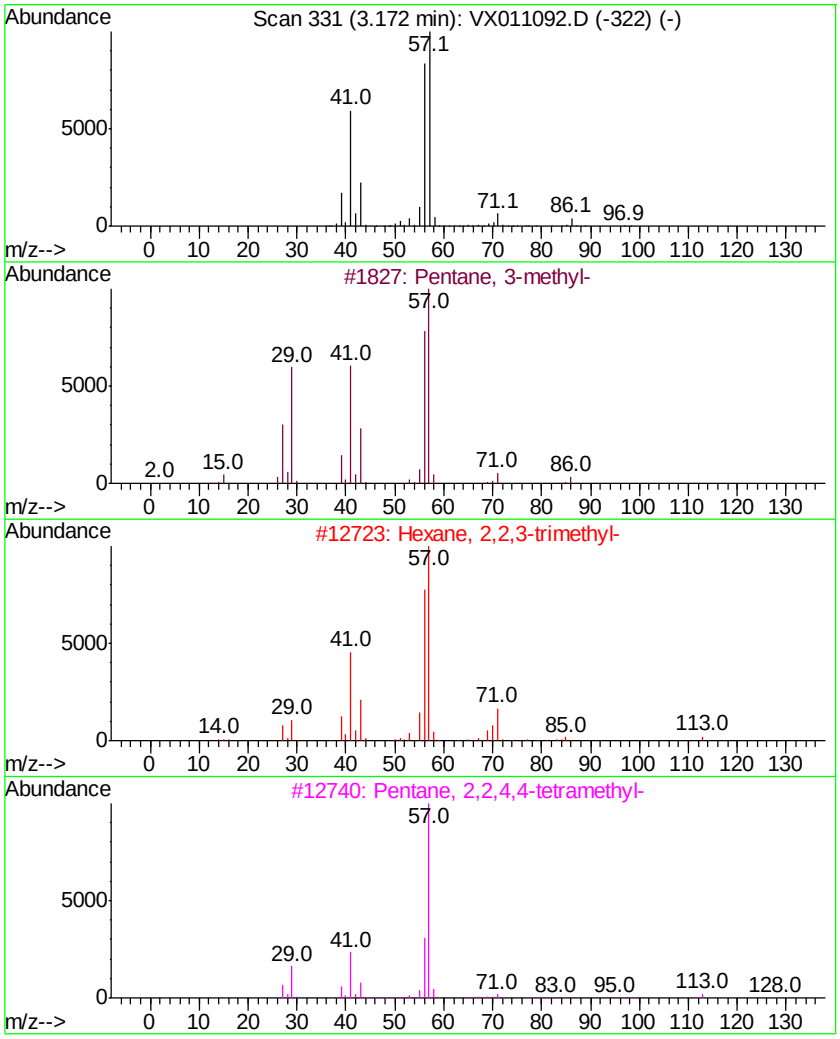
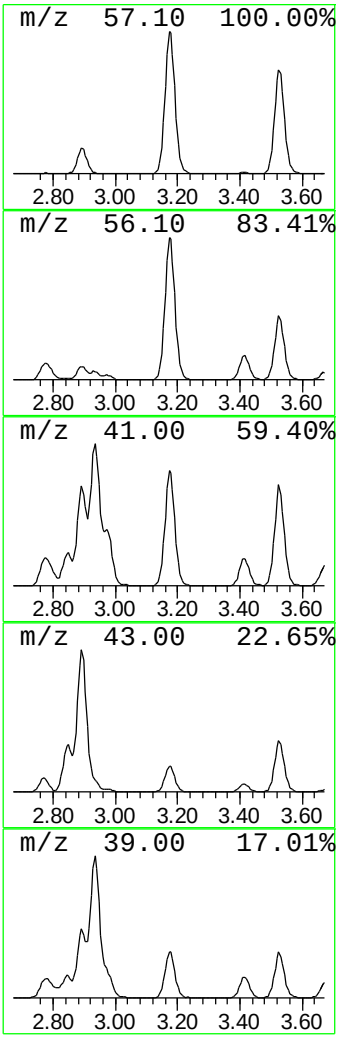
Peak Number 6 Pentane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	141.11 ug/l	1032130	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
3	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	45
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
5	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072619\
Data File : VX011092.D
Acq On : 26 Jul 2019 15:49
Operator : JC/SP
Sample : K4014-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-7

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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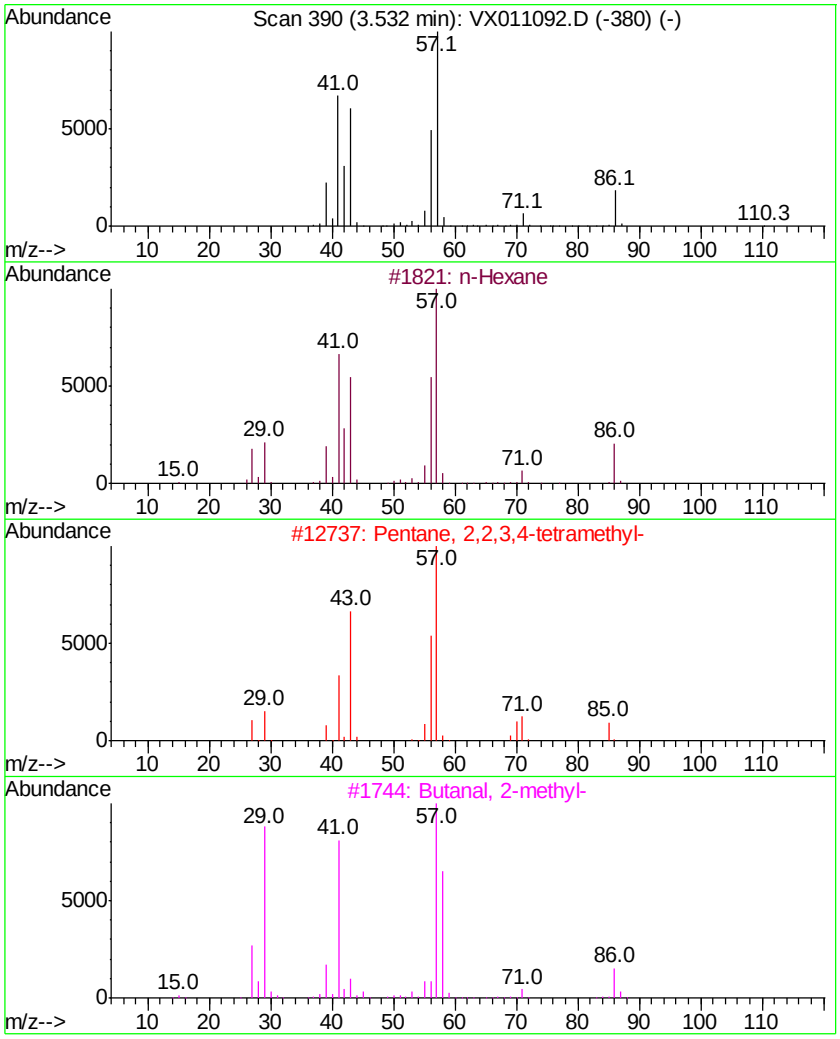
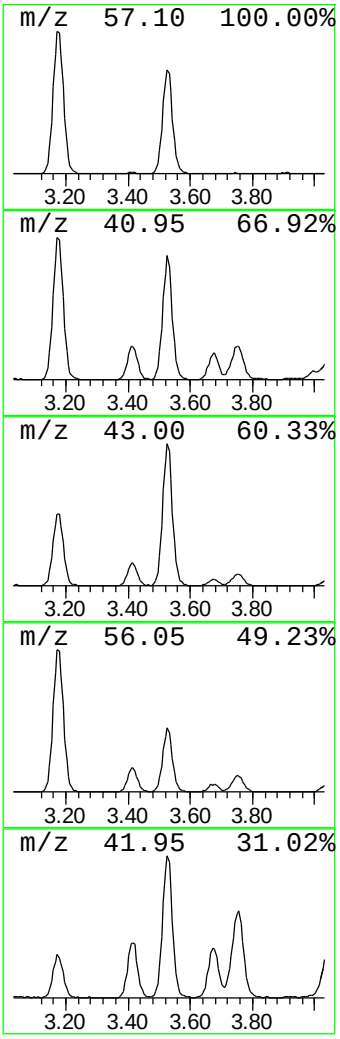
Peak Number 7 n-Hexane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	119.79 ug/l	876129	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50
3	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38
4	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	38
5	Morpholine	87	C4H9NO	000110-91-8	38





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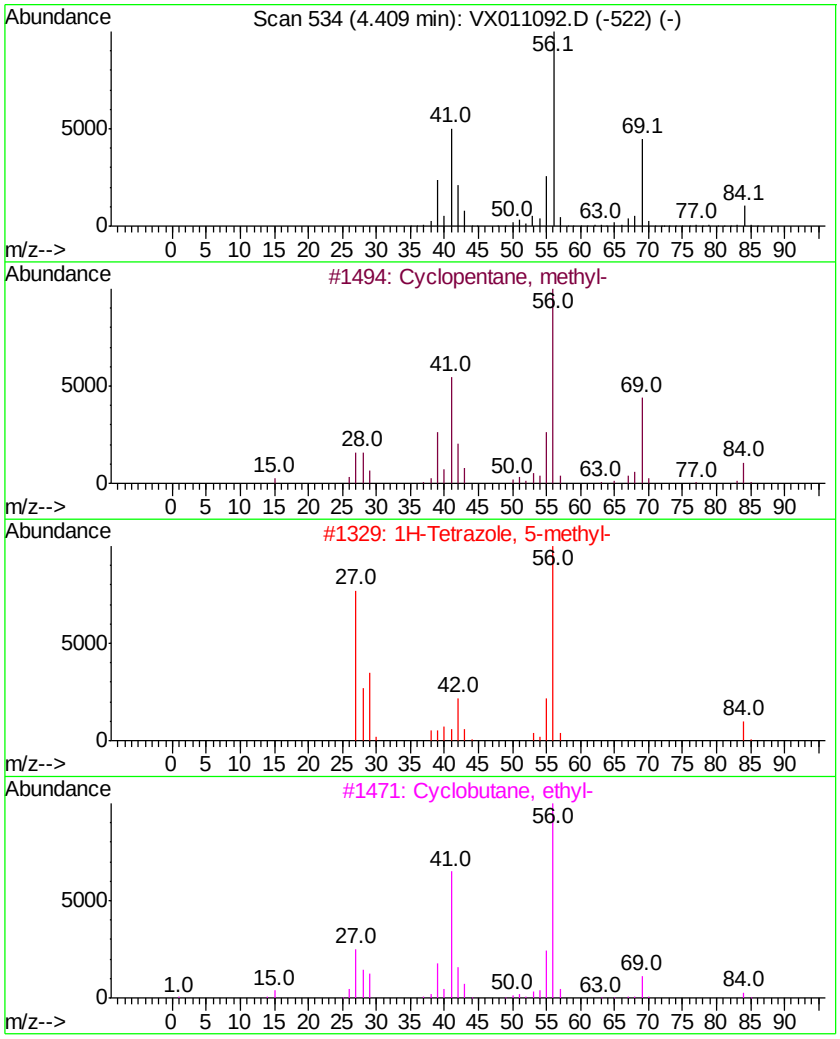
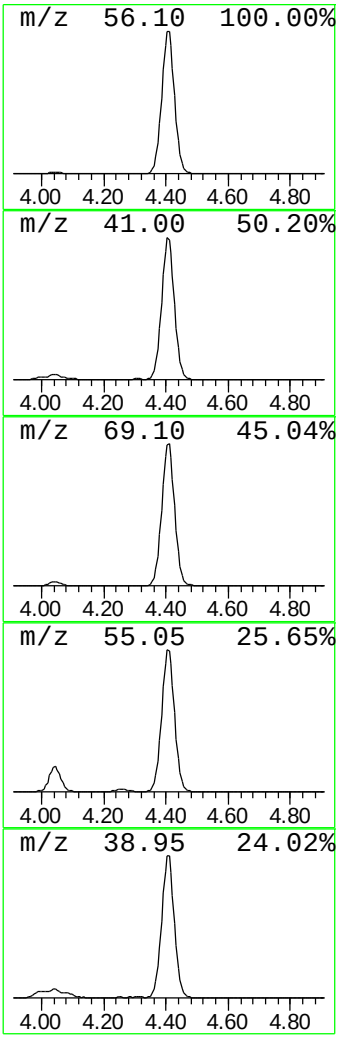
Peak Number 8 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	706.54 ug/l	5167700	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	64
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59
5	Cyclohexane	84	C6H12	000110-82-7	56





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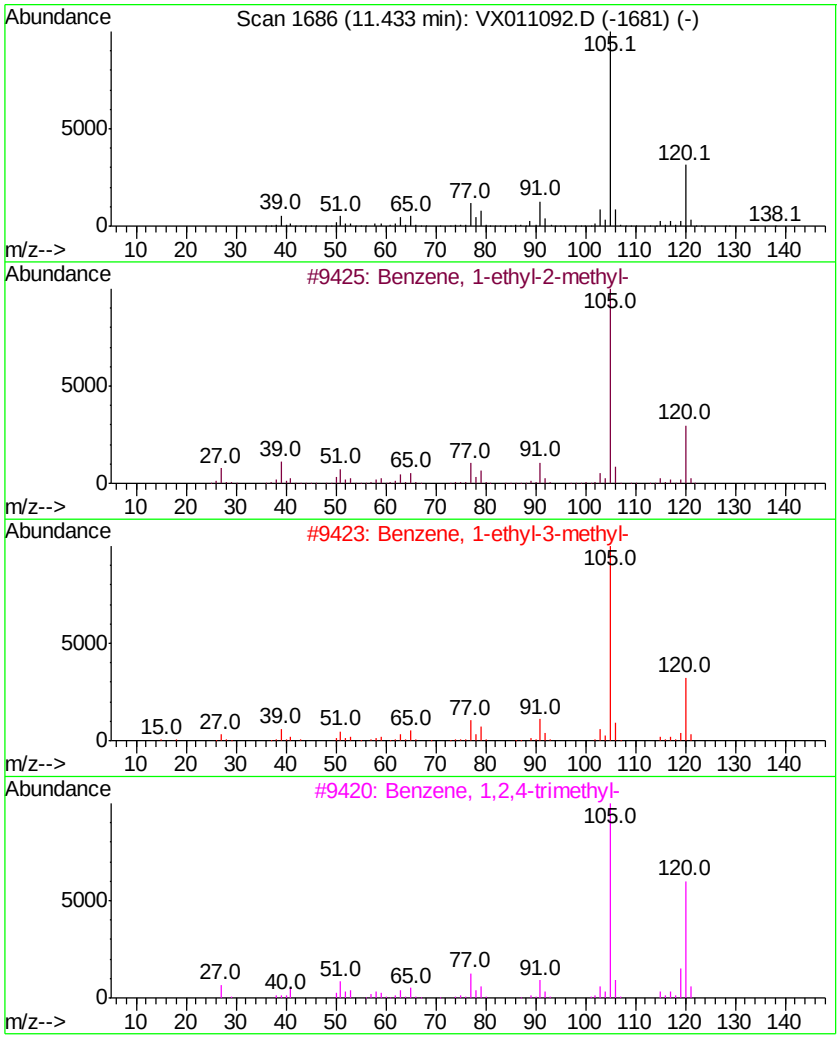
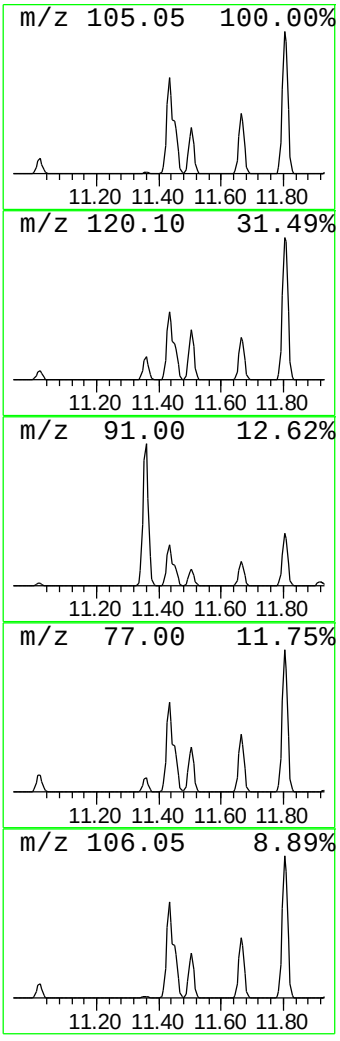
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	279.08 ug/l	6360510	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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane	1.40	128.5	ug/l	940006	1	5.67	365705	50.0
Butane, 2-methyl-	1.79	582.9	ug/l	4263190	1	5.67	365705	50.0
Pentane	2.00	395.2	ug/l	2890450	1	5.67	365705	50.0
Pentane, 2-methyl-	2.89	153.8	ug/l	1124610	1	5.67	365705	50.0
Cyclopentane	2.93	254.2	ug/l	1859230	1	5.67	365705	50.0
Pentane, 3-methyl-	3.17	141.1	ug/l	1032130	1	5.67	365705	50.0
n-Hexane	3.53	119.8	ug/l	876129	1	5.67	365705	50.0
Cyclopentane, met...	4.41	706.5	ug/l	5167700	1	5.67	365705	50.0
Benzene, 1-ethyl-...	11.43	279.1	ug/l	6360510	4	12.08	1139540	50.0