LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

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\82X102120W.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	1.392	44	50	56	rBV	411207	478976	1.45%	0.266%
2	1.776	108	113	126	rVB	1808731	2396670	7.26%	1.331%
3	2.002	142	150	161	rVB2	1105954	2217534	6.72%	1.232%
4	2.099	161	166	173	rBV	379420	550906	1.67%	0.306%
5	2.252	185	191	204	rVB	4475436	7099024	21.50%	3.943%
6	2.380	205	212	228	rVB	261083	555173	1.68%	0.308%
7	2.794	267	280	289	rBV	2256956	4875344	14.77%	2.708%
8	2.873	289	293	295	rVV	351390	655541	1.99%	0.364%
9	2.916	295	300	309	rVV2	1098608	2568406	7.78%	1.427%
10	3.014	309	316	330	rVV	884579	2077410	6.29%	1.154%
11	3.160	330	340	355	rVB3	846943	2085913	6.32%	1.159%
12	3.794	432	444	453	rBV	703753	1717650	5.20%	0.954%
13	3.904	453	462	468	rVV	350993	918197	2.78%	0.510%
14	3.971	468	473	481	rVB	153362	371583	1.13%	0.206%
15	4.172	495	506	516	rBV	370312	979574	2.97%	0.544%
16	4.373	530	539	551	rVB	834449	2414975	7.32%	1.341%
17	4.501	551	560	575	rVB	150577	454680	1.38%	0.253%
18	5.276	662	687	701	rBV2	675871	2155049	6.53%	1.197%
19	5.464	706	718	724	rBV	192813	559617	1.70%	0.311%
20	5.556	724	733	740	rBV4	363868	1148439	3.48%	0.638%
21	5.629	740	745	752	rVB2	186749	468719	1.42%	0.260%
22	5.903	777	790	802	rBV	146975	446599	1.35%	0.248%
23	6.031	802	811	815	rVV	173070	433445	1.31%	0.241%
24	6.117	815	825	838	rVV	8275761	22011838	66.67%	12.226%
25	6.312	838	857	869	rVV4	690248	3828609	11.60%	2.127%
26	6.434	869	877	888	rVB4	123234	382637	1.16%	0.213%
27	6.830	930	942	948	rBV	470843	1200858	3.64%	0.667%
28	6.915	951	956	968	rVB4	249235	711726	2.16%	0.395%
29	7.232	1001	1008	1016	rBV	259362	549640	1.66%	0.305%
30	7.440	1030	1042	1053	rBV3	388506	1008385	3.05%	0.560%
31	7.934	1112	1123	1131	rBV6	171150	619868	1.88%	0.344%
32	8.037	1131	1140	1151	rVB	491825	1012822	3.07%	0.563%
33	8.159	1151	1160	1164	rBV	796469	1724850	5.22%	0.958%
34	8.549	1217	1224	1231	rVB	461150	793873	2.40%	0.441%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

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\82X102120W.M
Title : SW846 8260

35	8.696	1236	1248	1254	rBV2	1178528	2115954	6.41%	1.175%
36	8.763	1254	1259	1266	rVB	1547998	2425341	7.35%	1.347%
37	9.287	1340	1345	1352	rVB	263025	395342	1.20%	0.220%
38	9.500	1371	1380	1385	rBV	804345	1253712	3.80%	0.696%
39	9.988	1455	1460	1467	rBV	207323	338869	1.03%	0.188%
40	10.098	1473	1478	1482	rVB	960083	1307990	3.96%	0.727%
41	10.238	1495	1501	1512	rVV	24217335	33013965	100.00%	18.337%
42	10.342	1512	1518	1524	rVB	1032589	1382990	4.19%	0.768%
43	11.006	1619	1627	1632	rBV	7397745	9662244	29.27%	5.367%
44	11.122	1641	1646	1656	rBV	953596	1271344	3.85%	0.706%
45	11.348	1677	1683	1693	rVB	8386398	10639065	32.23%	5.909%
46	11.488	1702	1706	1712	rVB	396387	505311	1.53%	0.281%
47	11.652	1727	1733	1742	rBV	1893555	2248715	6.81%	1.249%
48	11.927	1776	1778	1787	rVB	307182	382375	1.16%	0.212%
49	12.061	1795	1800	1806	rBV	1317854	1576214	4.77%	0.875%
50	12.128	1806	1811	1815	rBV	281190	345807	1.05%	0.192%
51	12.286	1831	1837	1842	rBV	10252711	13128240	39.77%	7.292%
52	12.353	1844	1848	1849	rBV	478597	538938	1.63%	0.299%
53	12.500	1867	1872	1878	rVB	819475	973402	2.95%	0.541%
54	12.652	1892	1897	1900	rBV	2838486	3315377	10.04%	1.841%
55	12.683	1900	1902	1907	rVV	328959	363805	1.10%	0.202%
56	12.738	1907	1911	1919	rVV2	1010950	1490006	4.51%	0.828%
57	12.963	1939	1948	1952	rBV	1689853	2167775	6.57%	1.204%
58	13.207	1984	1988	1997	rVB	1286673	1551910	4.70%	0.862%
59	13.329	2004	2008	2014	rVB2	2694973	3677988	11.14%	2.043%
60	13.463	2026	2030	2037	rVB	371307	452672	1.37%	0.251%
61	13.622	2052	2056	2061	rVB2	244072	353259	1.07%	0.196%
62	13.817	2082	2088	2097	rVB	7162550	8765729	26.55%	4.869%
63	14.676	2216	2229	2240	rBV	1397800	1773613	5.37%	0.985%
64	14.816	2247	2252	2258	rBV	928918	1146648	3.47%	0.637%

Sum of corrected areas: 180039130

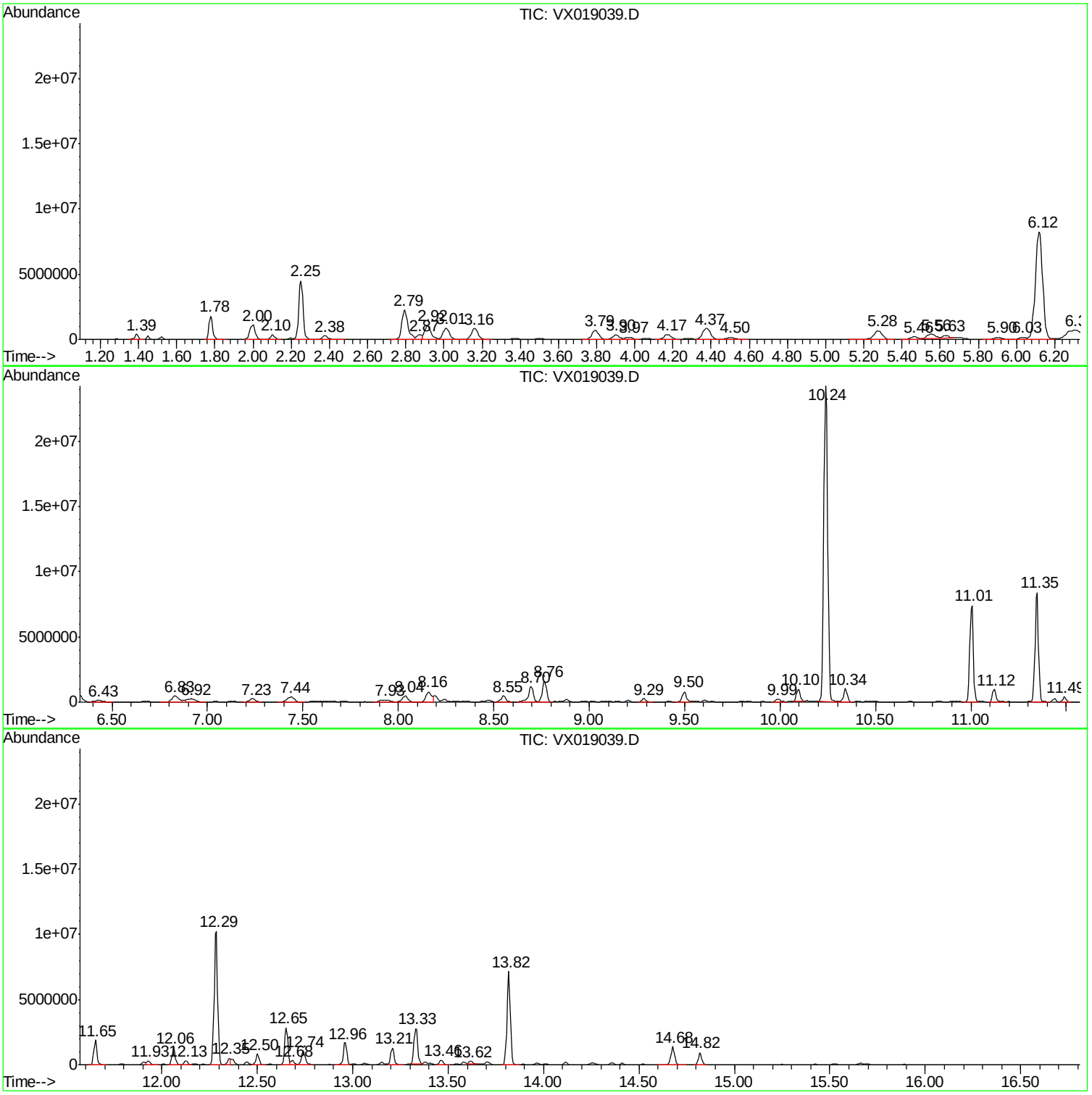
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.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\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260

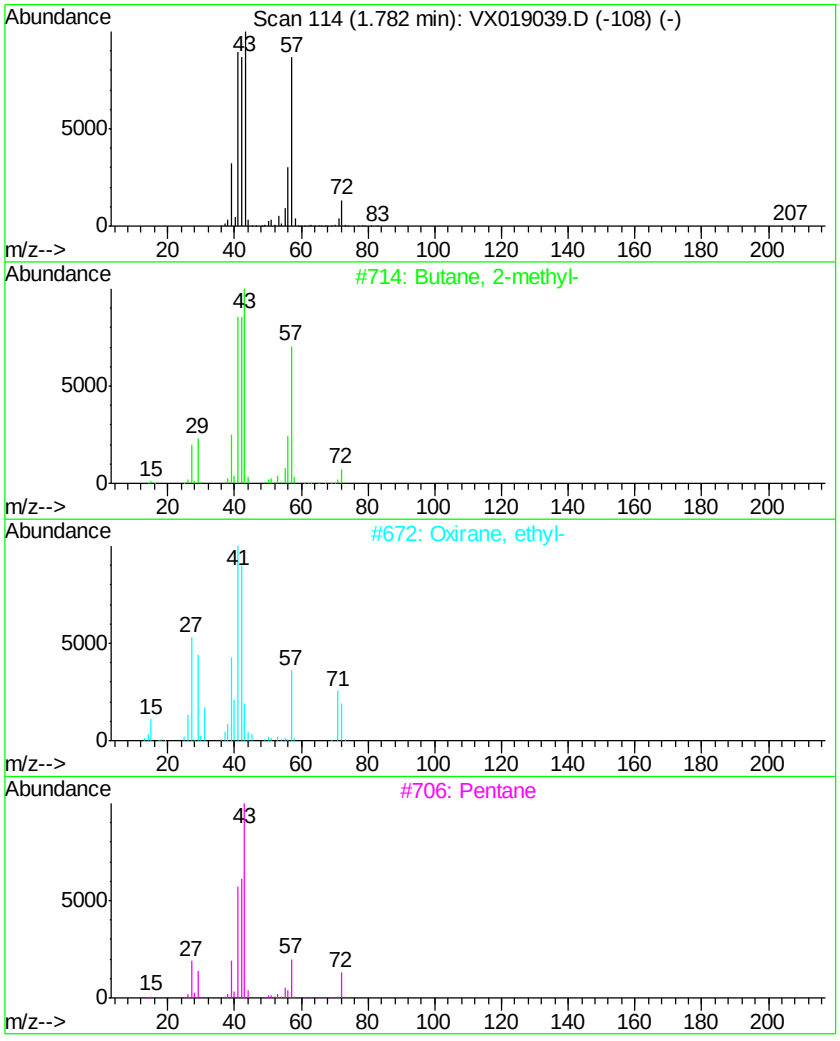
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

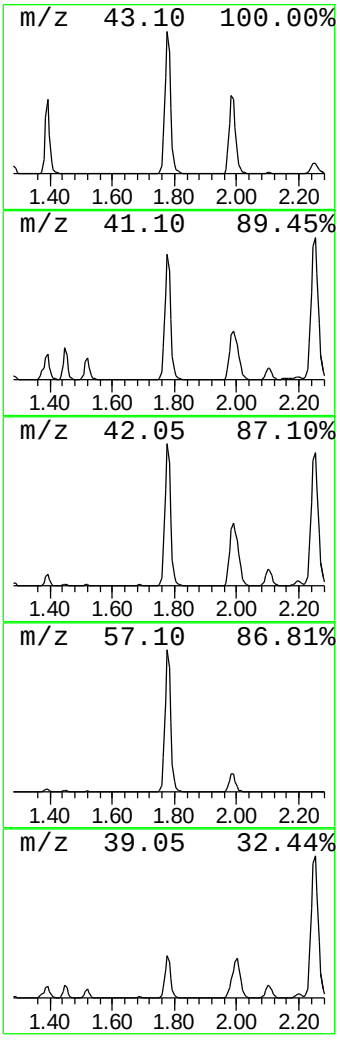
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	255.66 ug/l	2396670	Pentafluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	47
3	Pentane	72	C5H12	000109-66-0	38
4	Oxirane, trimethyl-	86	C5H10O	005076-19-7	33
5	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260

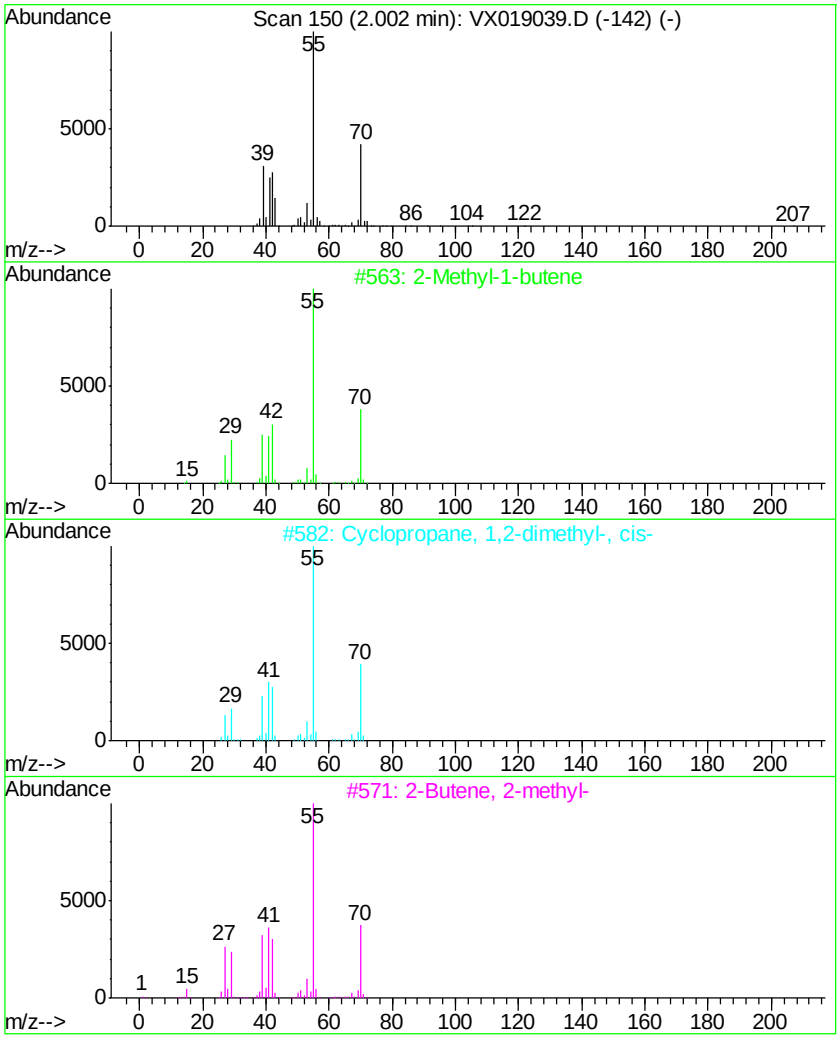
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

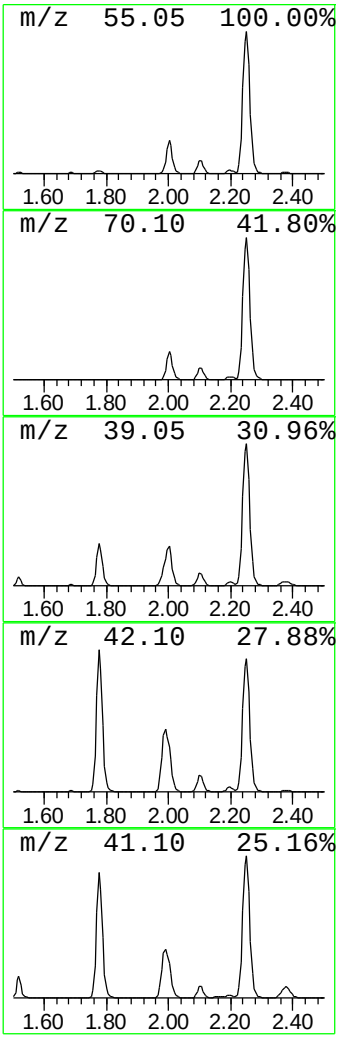
****

Peak Number 2 2-Methyl-1-butene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	236.55 ug/l	2217530	Pentafluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	90
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	2-Pentene, (E)-	70	C5H10	000646-04-8	87
5	2-Pentene	70	C5H10	000109-68-2	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260

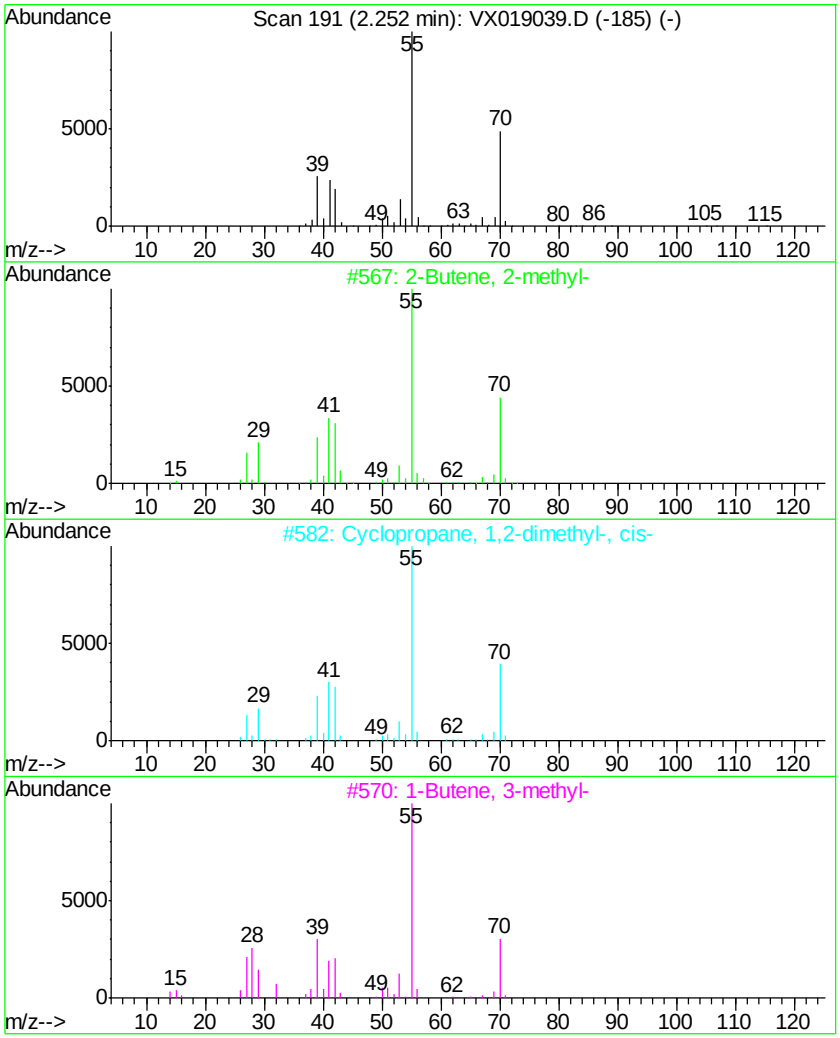
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

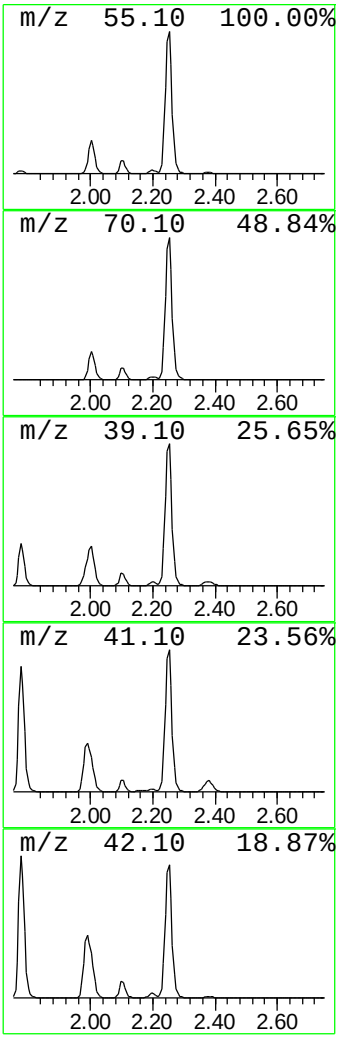
****

Peak Number 3 2-Butene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.25	757.28 ug/l	7099020	Pentafluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	86
4	2-Methyl-1-butene	70	C5H10	000563-46-2	83
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260

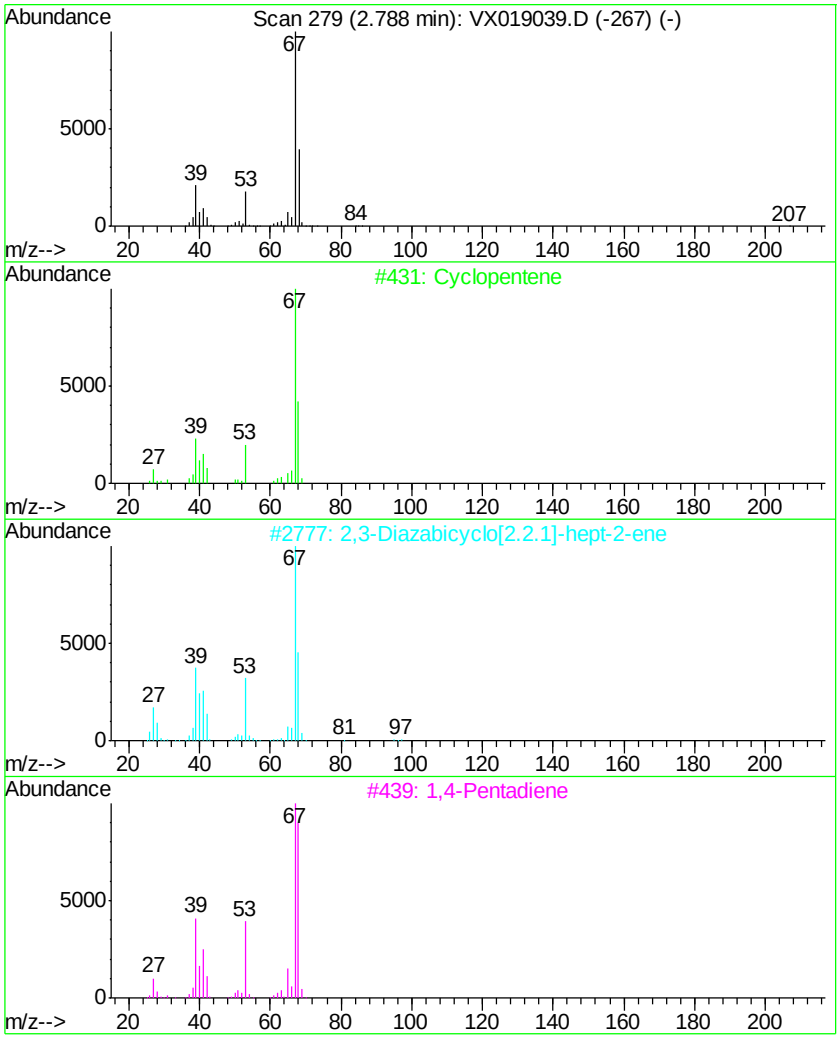
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

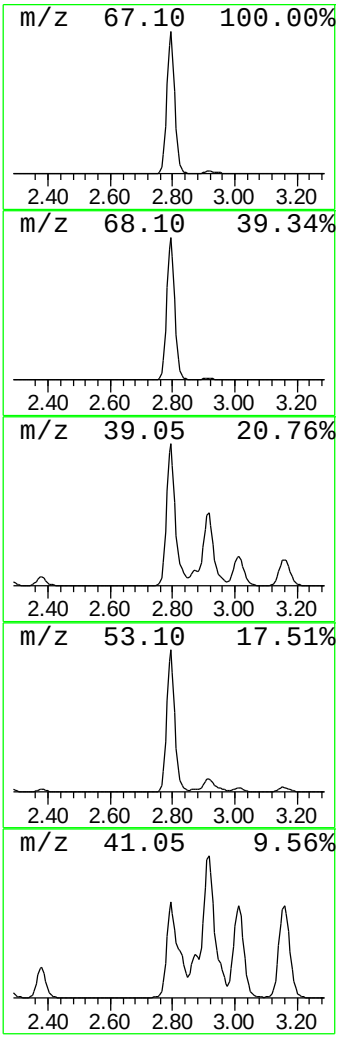
****

Peak Number 4 Cyclopentene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	520.07 ug/l	4875340	Pentafluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	90
2	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	64
3	1,4-Pentadiene	68	C5H8	000591-93-5	62
4	Bicyclo[2.1.0]pentane	68	C5H8	000185-94-4	56
5	1,3-Pentadiene, (Z)-	68	C5H8	001574-41-0	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260

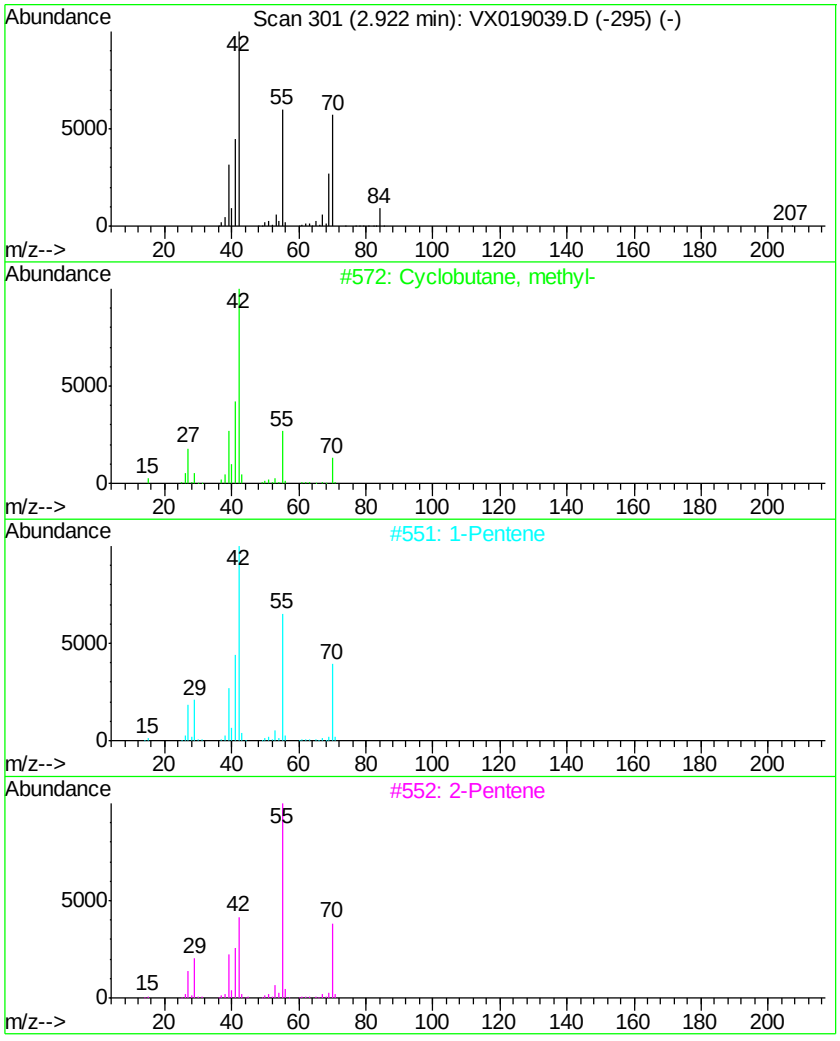
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

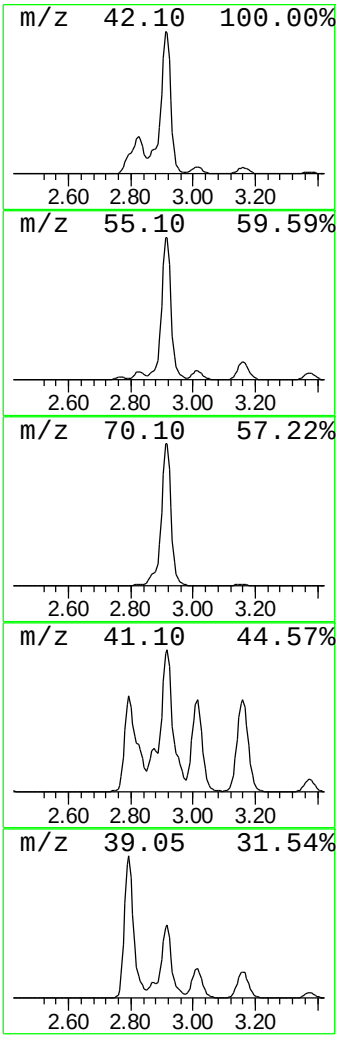
****

Peak Number 5 Cyclobutane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.92	273.98 ug/l	2568410	Pentafluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	80
2	1-Pentene	70	C5H10	000109-67-1	45
3	2-Pentene	70	C5H10	000109-68-2	43
4	2-Pentene, (E)-	70	C5H10	000646-04-8	43
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260

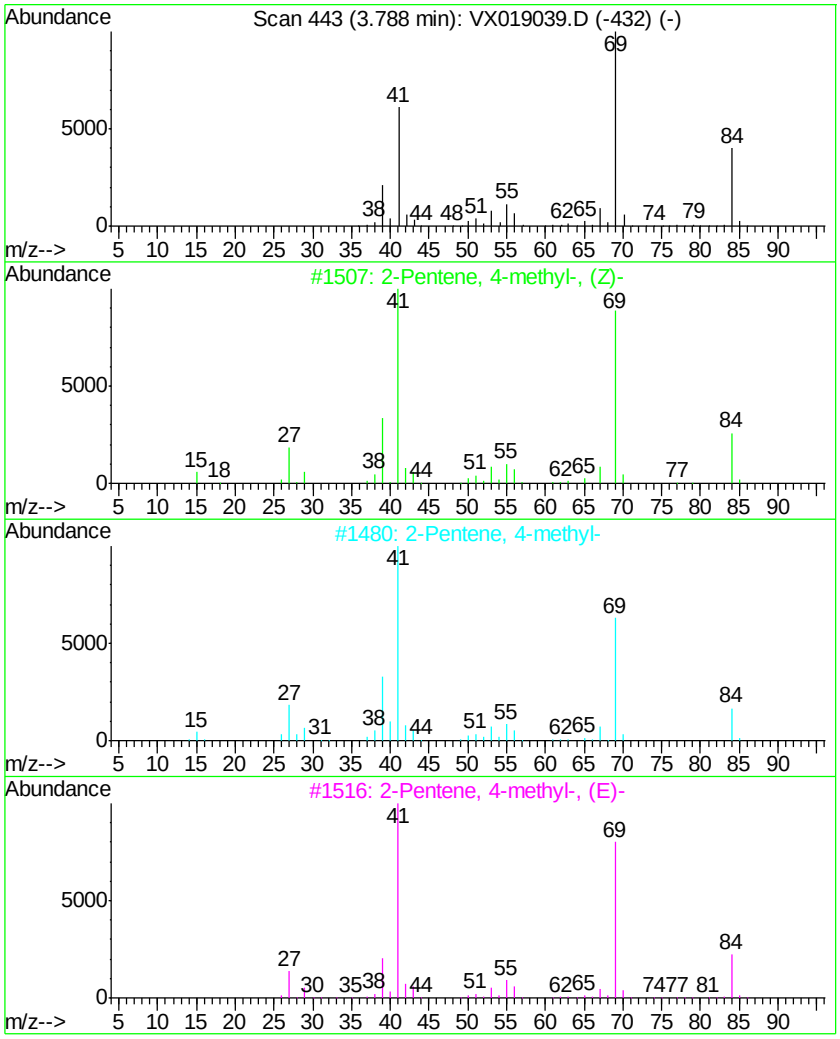
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

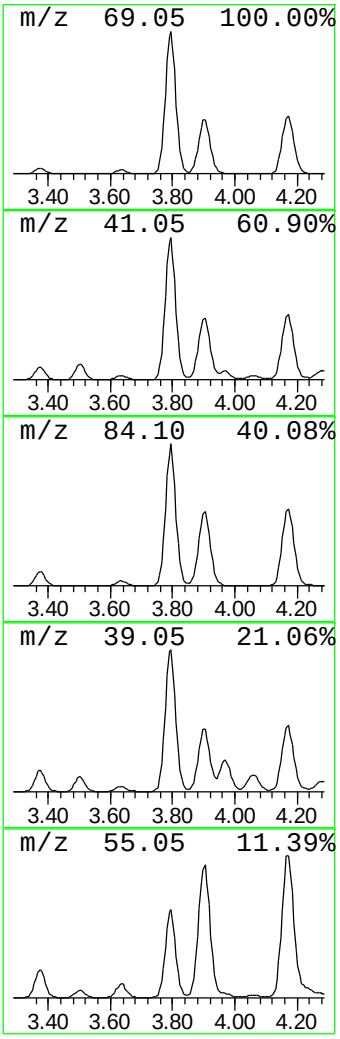
****

Peak Number 6 2-Pentene, 4-methyl-, (Z)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	183.23 ug/l	1717650	Pentafluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	91
2	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91
3	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	91
4	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	91
5	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260

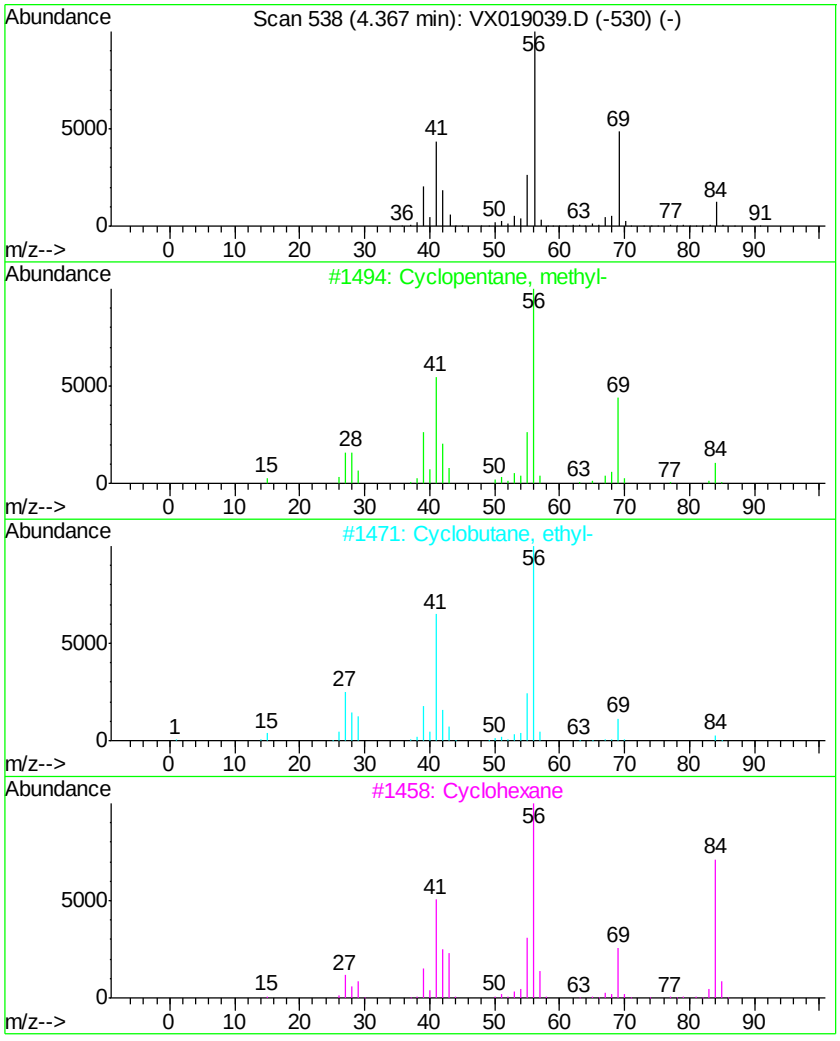
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

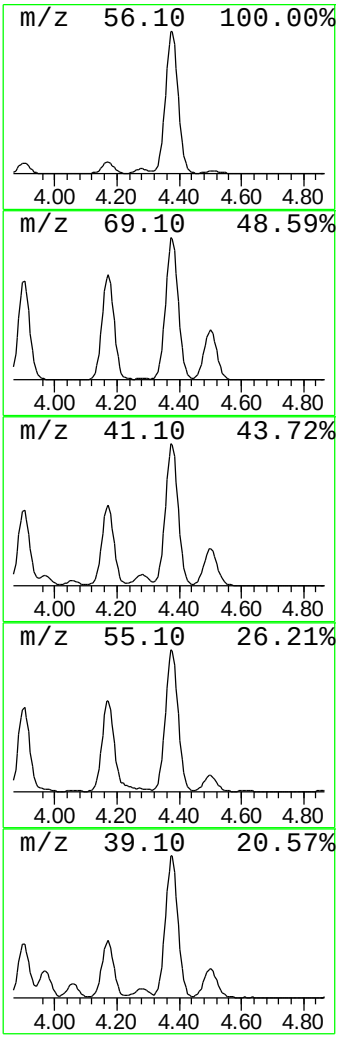
****

Peak Number 7 Cyclopentane, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	257.61 ug/l	2414980	Pentafluorobenzene	5.64

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	Cyclohexane	84	C6H12	000110-82-7	64
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260

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

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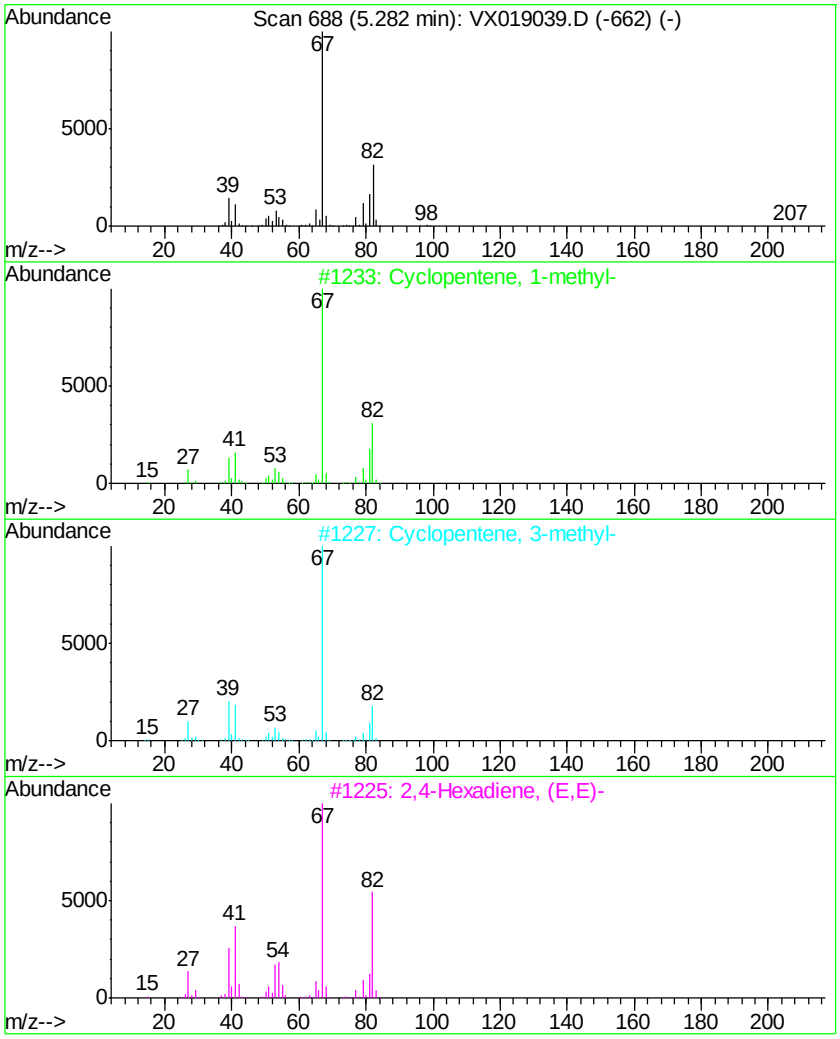
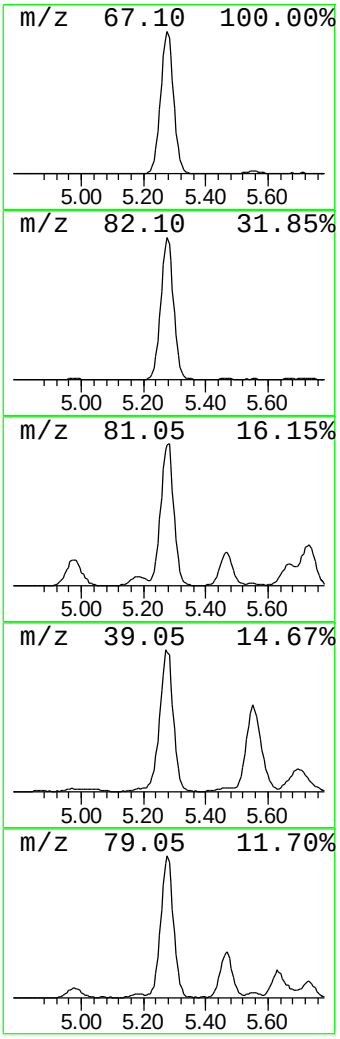
Peak Number 8 Cyclopentene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	229.89 ug/l	2155050	Pentafluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
3	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	86
4	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	86
5	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260

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

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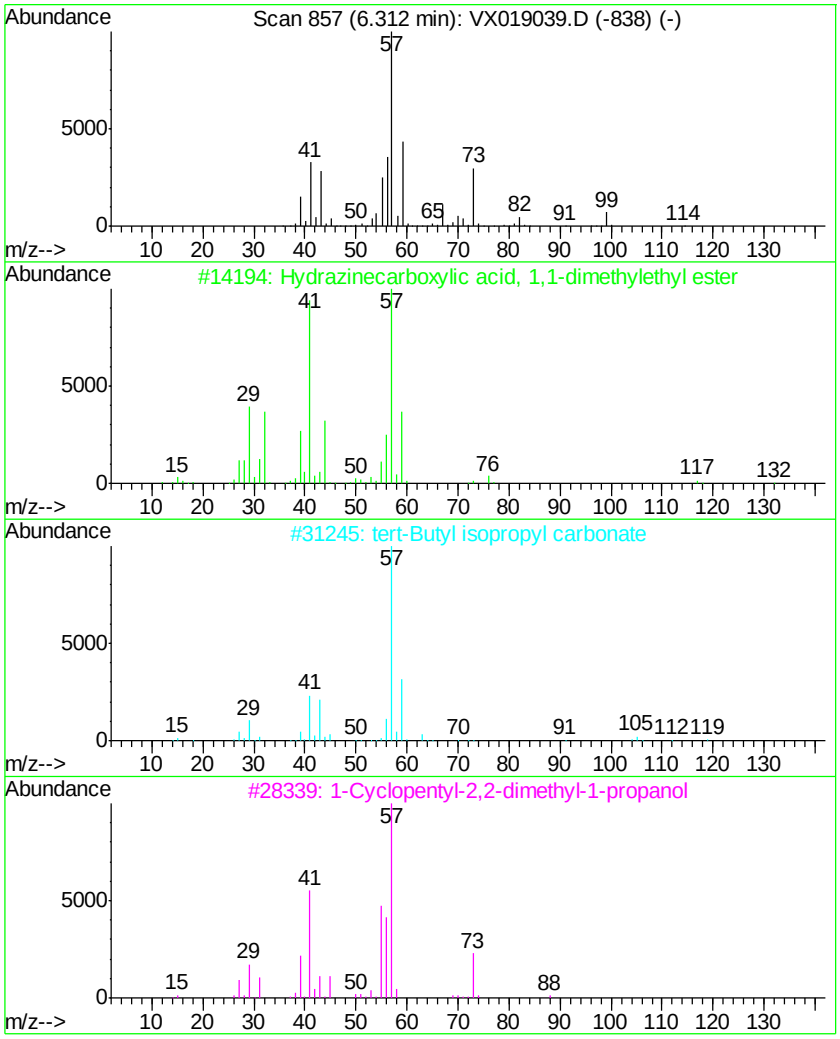
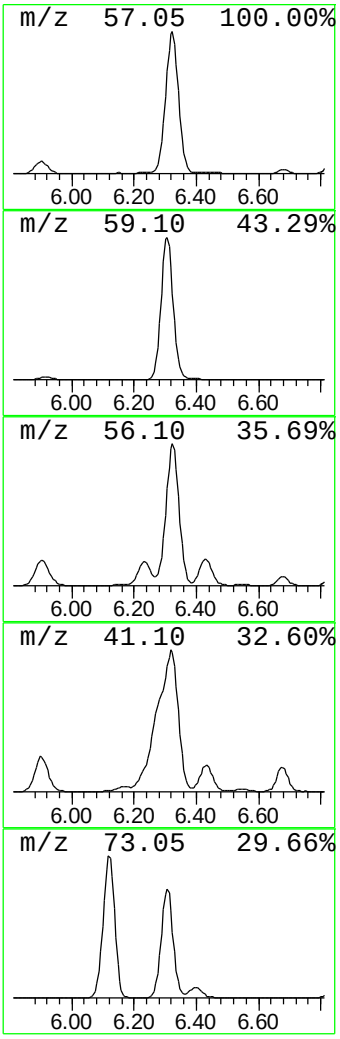
Peak Number 9 unknown6.31 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	159.41 ug/l	3828610	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazinecarboxylic acid, 1,1-di...	132	C5H12N2O2	000870-46-2	33
2	tert-Butyl isopropyl carbonate	160	C8H16O3	030221-21-7	32
3	1-Cyclopentyl-2,2-dimethyl-1-pro...	156	C10H20O	337966-85-5	17
4	Octane, 3-methyl-	128	C9H20	002216-33-3	14
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	14





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260

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

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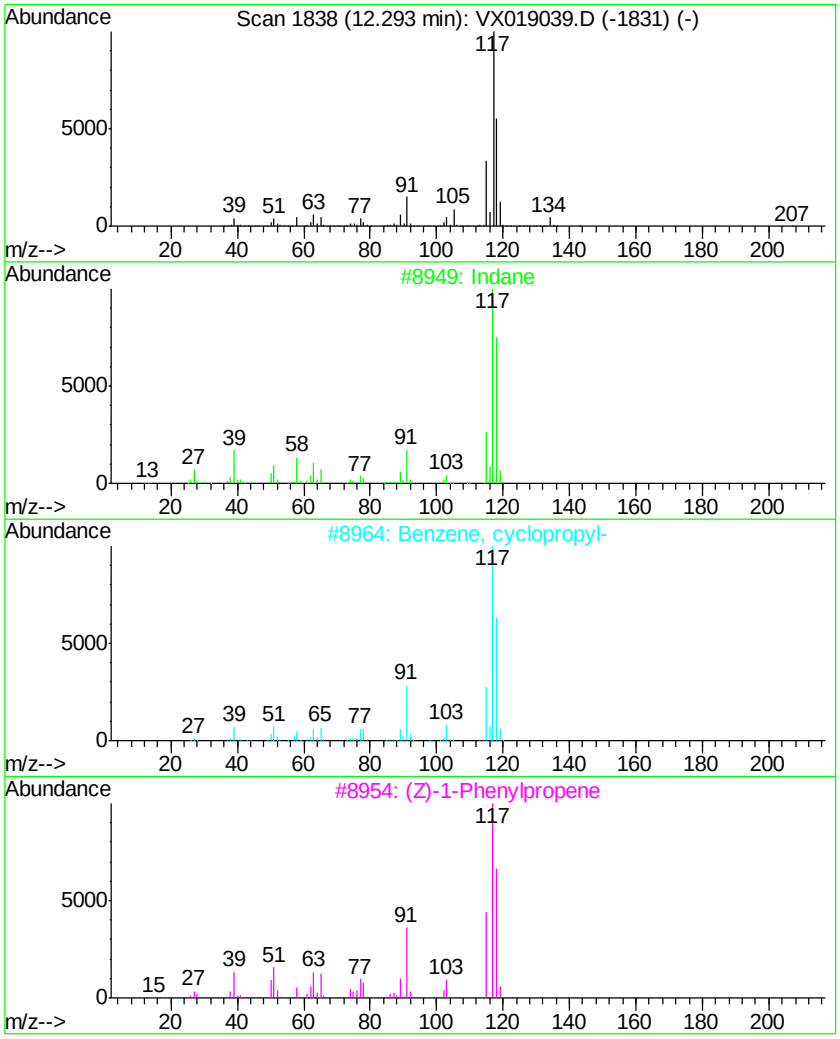
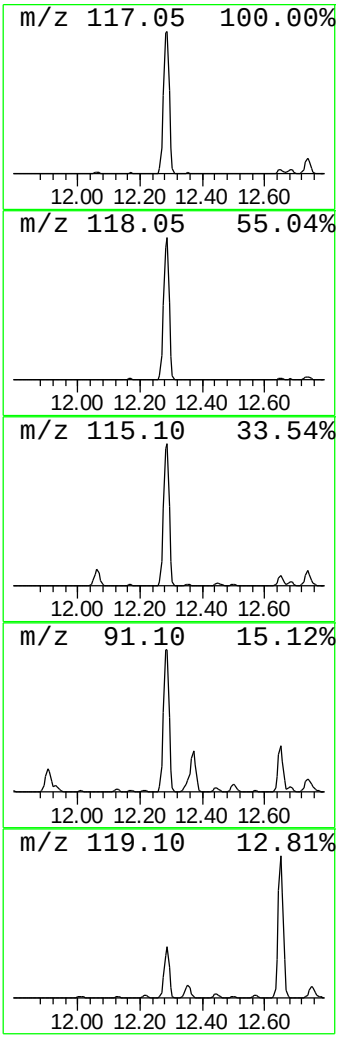
Peak Number 10 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	416.45 ug/l	13128200	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	81
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019039.D
Acq On : 22 Oct 2020 19:44
Operator : JC/SP
Sample : L4417-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.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
Butane, 2-methyl-	1.78	255.7	ug/l	2396670	1	5.64	468719	50.0
2-Methyl-1-butene	2.00	236.6	ug/l	2217530	1	5.64	468719	50.0
2-Butene, 2-methyl-	2.25	757.3	ug/l	7099020	1	5.64	468719	50.0
Cyclopentene	2.79	520.1	ug/l	4875340	1	5.64	468719	50.0
Cyclobutane, methyl-	2.92	274.0	ug/l	2568410	1	5.64	468719	50.0
2-Pentene, 4-meth...	3.79	183.2	ug/l	1717650	1	5.64	468719	50.0
Cyclopentane, met...	4.37	257.6	ug/l	2414980	1	5.64	468719	50.0
Cyclopentene, 1-m...	5.28	229.9	ug/l	2155050	1	5.64	468719	50.0
unknown6.31	6.31	159.4	ug/l	3828610	2	6.83	1200860	50.0
Indane	12.29	416.4	ug/l	13128200	4	12.06	1576210	50.0