LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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	43	50	56	rBV	975834	1068088	1.02%	0.168%
2	1.776	108	113	126	rVB	3975047	5254939	5.04%	0.826%
3	1.941	134	140	144	rBV	1096634	1543280	1.48%	0.242%
4	1.996	144	149	161	rVV2	2266447	4699174	4.51%	0.738%
5	2.099	161	166	174	rVV	4411435	6331541	6.07%	0.995%
6	2.197	177	182	186	rVV	2671696	3940803	3.78%	0.619%
7	2.252	186	191	205	rVV	8588233	13734682	13.18%	2.158%
8	2.380	205	212	231	rVB	496125	1100382	1.06%	0.173%
9	2.794	264	280	289	rBV	3821358	8663779	8.31%	1.361%
10	2.916	294	300	309	rVV2	2397893	5999934	5.76%	0.943%
11	3.008	309	315	328	rVV	1349097	3085498	2.96%	0.485%
12	3.160	329	340	360	rVB3	1232231	3061127	2.94%	0.481%
13	3.727	426	433	438	rVV	409706	1081802	1.04%	0.170%
14	3.794	438	444	453	rVV	1185219	2855546	2.74%	0.449%
15	3.904	453	462	467	rVV	644840	1679088	1.61%	0.264%
16	3.971	467	473	483	rVV2	721646	2447573	2.35%	0.385%
17	4.172	496	506	517	rBV	708495	1864087	1.79%	0.293%
18	4.379	530	540	551	rVB	1648317	4750639	4.56%	0.746%
19	5.276	662	687	703	rVB	984474	3138309	3.01%	0.493%
20	5.556	724	733	741	rBV2	713950	2285943	2.19%	0.359%
21	6.117	815	825	837	rVB	8475832	22326261	21.42%	3.508%
22	6.288	838	853	869	rVV4	1494541	6728779	6.46%	1.057%
23	6.830	935	942	948	rBV	489069	1225167	1.18%	0.193%
24	6.916	949	956	964	rVB3	345907	1091415	1.05%	0.171%
25	7.440	1031	1042	1051	rBV4	645005	1684746	1.62%	0.265%
26	8.159	1152	1160	1163	rBV	629158	1291408	1.24%	0.203%
27	8.555	1218	1225	1234	rVB2	879634	1607908	1.54%	0.253%
28	8.702	1234	1249	1254	rBV	982534	2128637	2.04%	0.334%
29	8.793	1254	1264	1265	rBV4	46364300	104228520	100.00%	16.378%
30	9.500	1371	1380	1385	rBV	1316553	2112624	2.03%	0.332%
31	10.098	1467	1478	1482	rBV2	1122443	1790855	1.72%	0.281%
32	10.250	1496	1503	1508	rBV2	48323715	78011052	74.85%	12.258%
33	10.360	1512	1521	1526	rBV2	50857466	88621604	85.03%	13.925%
34	10.689	1569	1575	1580	rBV	26091767	33902713	32.53%	5.327%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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	11.006	1619	1627	1632	rBV	12663271	16137944	15.48%	2.536%
36	11.122	1641	1646	1656	rBV2	1029818	1421807	1.36%	0.223%
37	11.348	1678	1683	1689	rVB	14278122	17198875	16.50%	2.702%
38	11.421	1689	1695	1697	rBV	10946974	14950673	14.34%	2.349%
39	11.494	1702	1707	1717	rVB	11746950	13947497	13.38%	2.192%
40	11.652	1728	1733	1743	rBV	7395725	8927341	8.57%	1.403%
41	11.799	1751	1757	1762	rBV	35767355	44329211	42.53%	6.965%
42	12.061	1795	1800	1805	rVB	1408458	1784165	1.71%	0.280%
43	12.128	1805	1811	1816	rBV	10595106	12499744	11.99%	1.964%
44	12.287	1831	1837	1844	rBV	18264681	23078918	22.14%	3.626%
45	12.354	1844	1848	1858	rVB3	2426566	3792781	3.64%	0.596%
46	12.451	1858	1864	1868	rBV2	1573383	2055556	1.97%	0.323%
47	12.500	1868	1872	1878	rVB	1244116	1475723	1.42%	0.232%
48	12.573	1878	1884	1886	rBV	1398339	1969415	1.89%	0.309%
49	12.652	1892	1897	1900	rBV	4424792	5148956	4.94%	0.809%
50	12.738	1907	1911	1919	rVV2	1702643	2490224	2.39%	0.391%
51	12.963	1940	1948	1951	rBV	2845992	3494412	3.35%	0.549%
52	13.000	1951	1954	1960	rVB	2516049	2933550	2.81%	0.461%
53	13.207	1984	1988	1993	rVB	2190461	2497027	2.40%	0.392%
54	13.329	2004	2008	2013	rVB2	4670632	6263866	6.01%	0.984%
55	13.463	2025	2030	2038	rVB	893688	1121951	1.08%	0.176%
56	13.817	2082	2088	2097	rBV	13545238	16858098	16.17%	2.649%
57	14.676	2224	2229	2239	rVB	3647470	4291696	4.12%	0.674%
58	14.817	2247	2252	2261	rBV	1843737	2404692	2.31%	0.378%

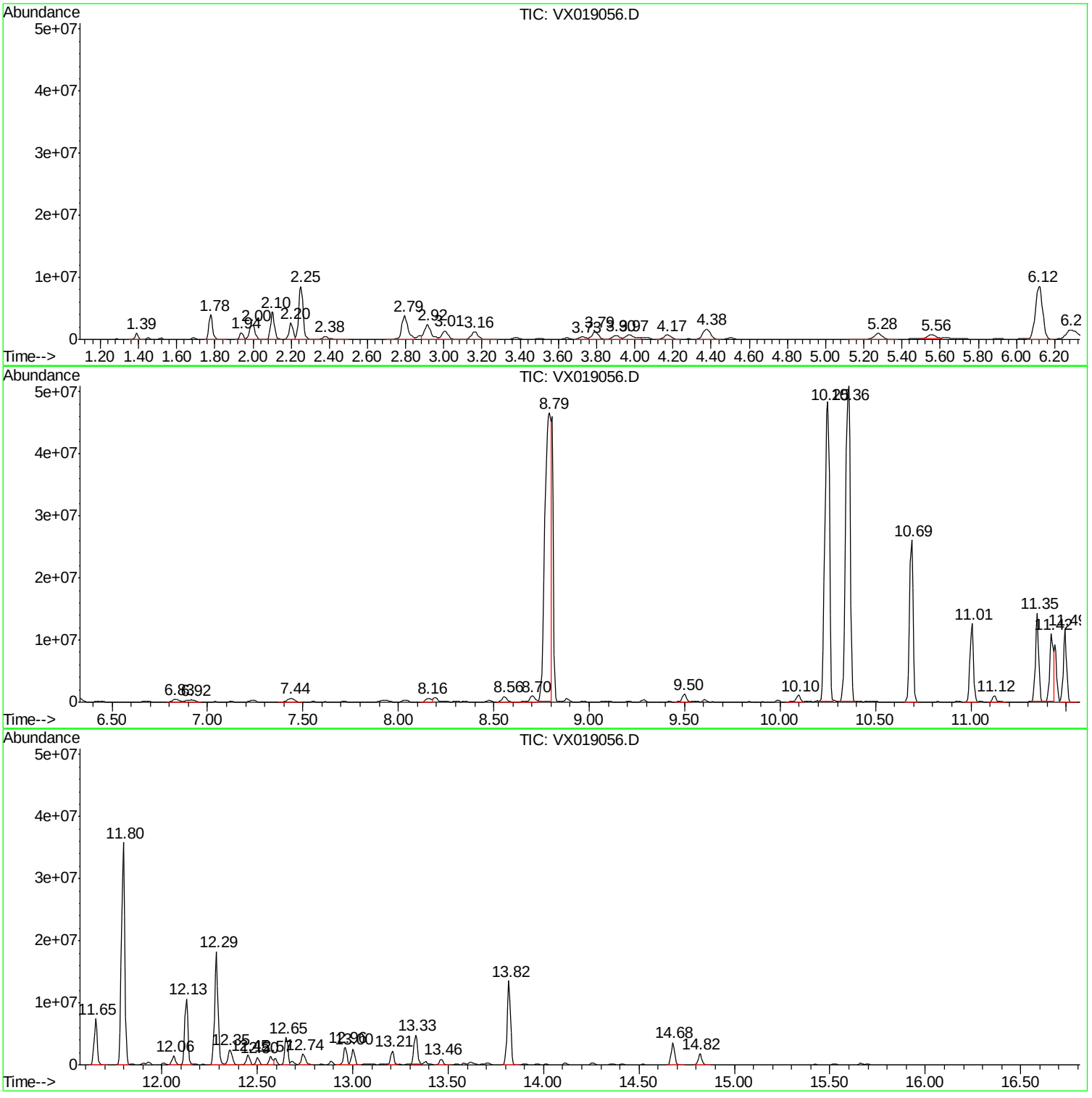
Sum of corrected areas: 636412025

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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 : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

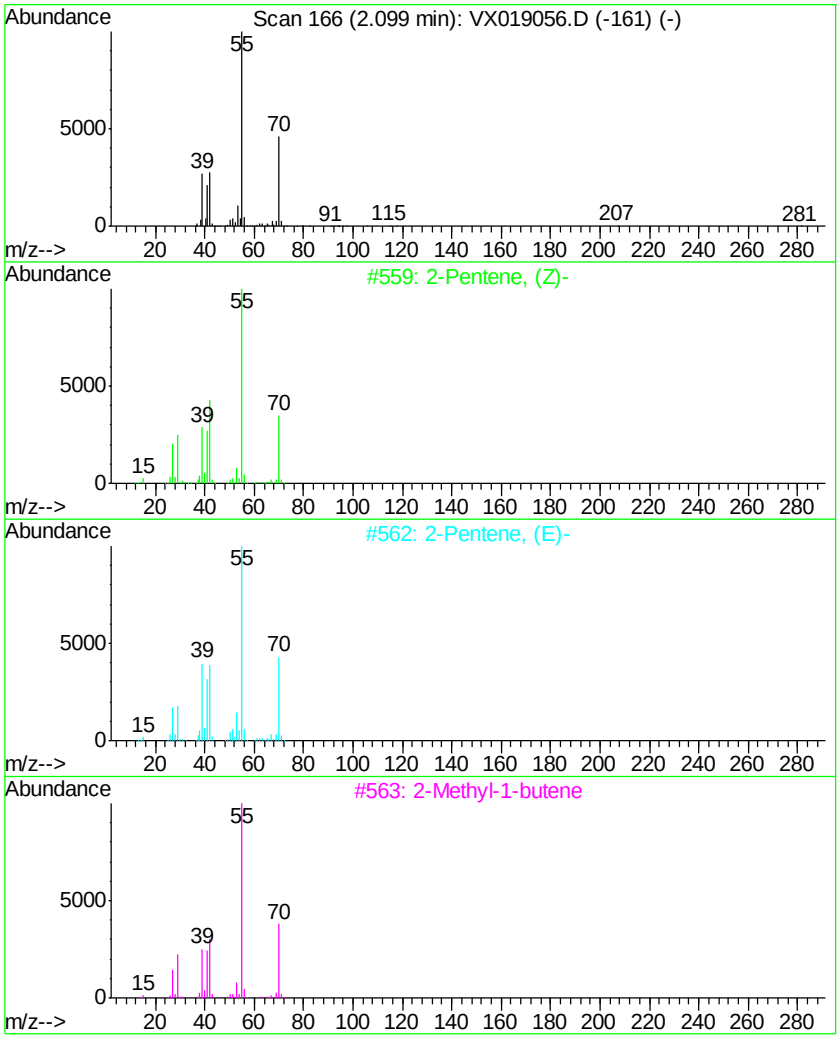
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

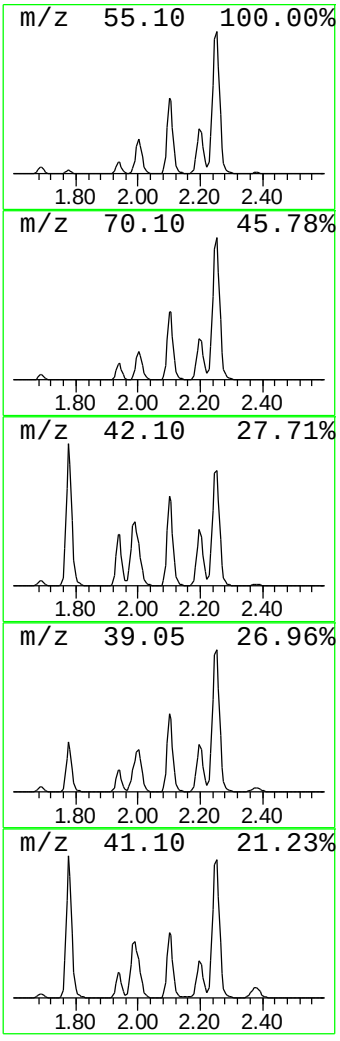
****

Peak Number 1 2-Pentene, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.10	138.49 ug/l	6331540	Pentafluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
2	2-Pentene, (E)-	70	C5H10	000646-04-8	91
3	2-Methyl-1-butene	70	C5H10	000563-46-2	91
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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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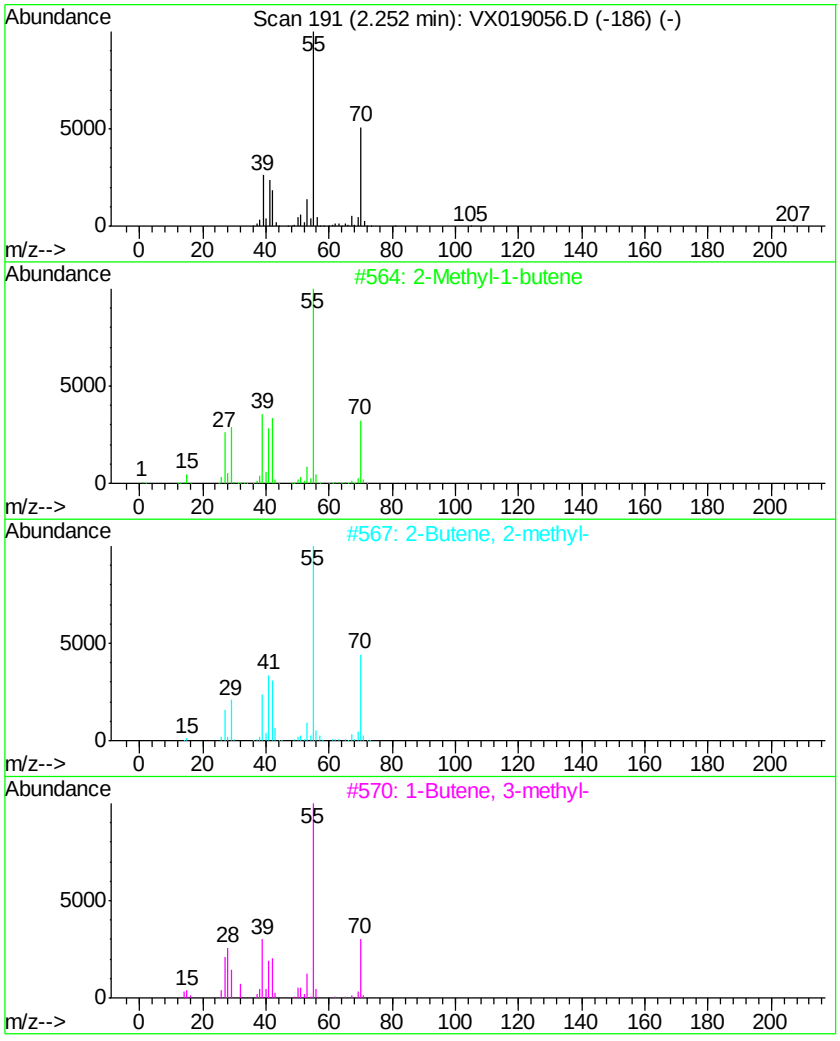
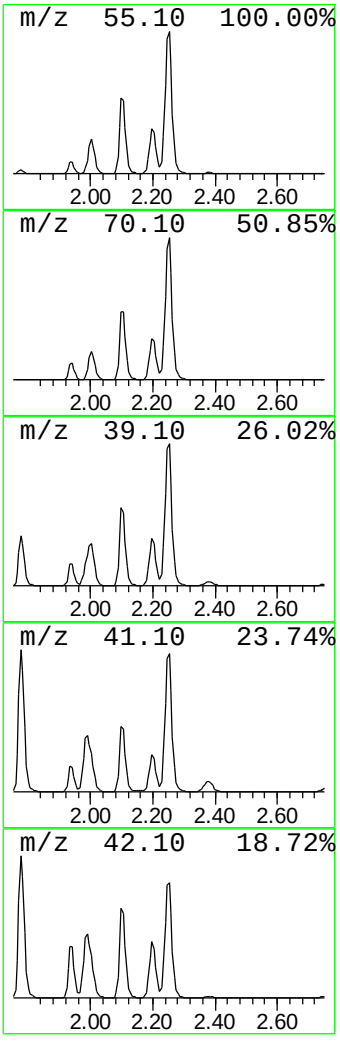
Peak Number 2 2-Methyl-1-butene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.25	300.42 ug/l	13734700	Pentafluorobenzene	5.64

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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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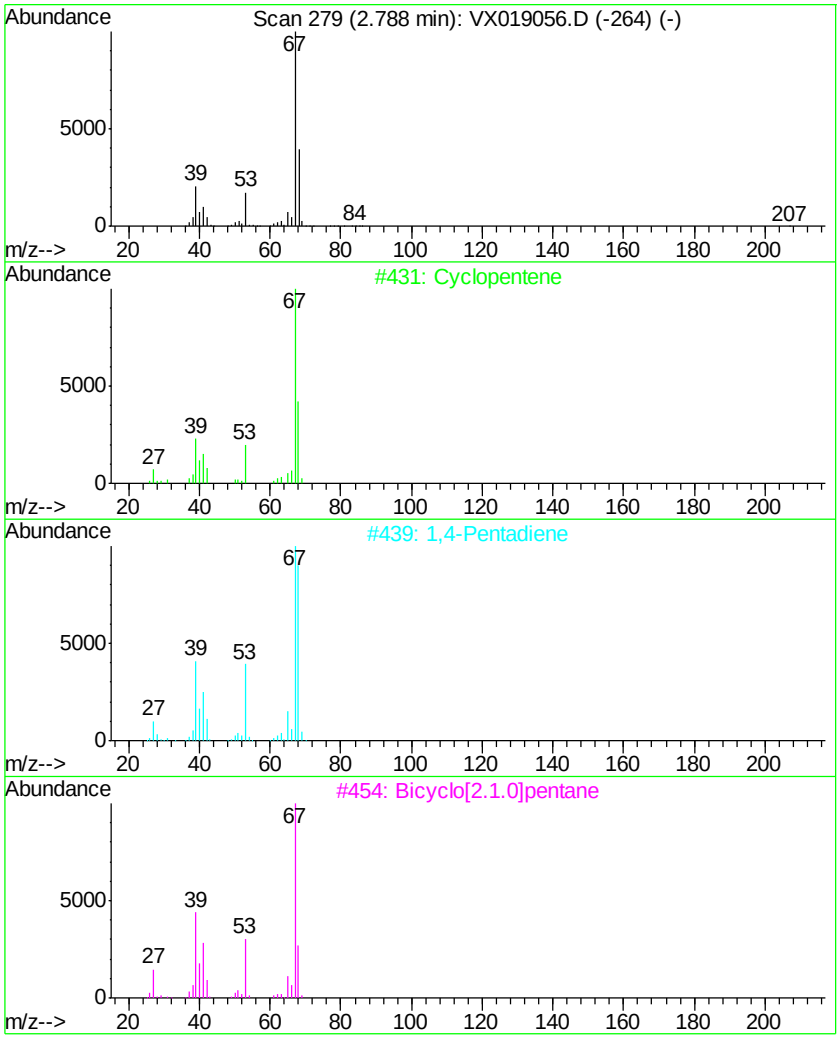
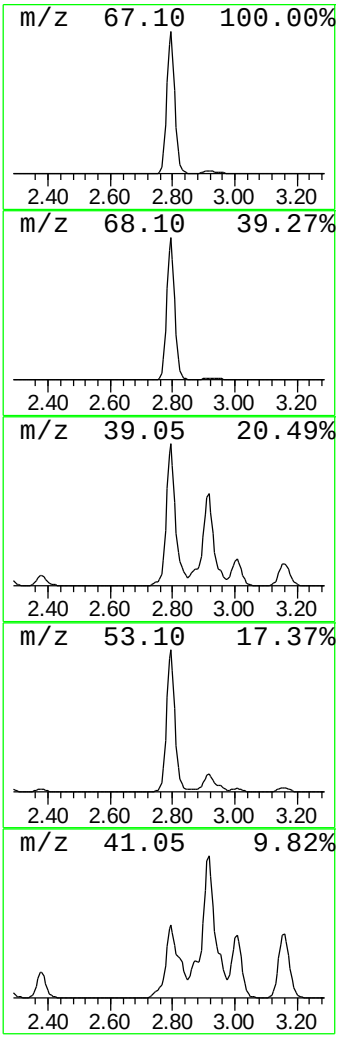
Peak Number 3 Cyclopentene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	189.50 ug/l	8663780	Pentafluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	1,4-Pentadiene	68	C5H8	000591-93-5	62
3	Bicyclo[2.1.0]pentane	68	C5H8	000185-94-4	56
4	1,3-Pentadiene, (Z)-	68	C5H8	001574-41-0	53
5	Cyclopropane, ethylidene-	68	C5H8	018631-83-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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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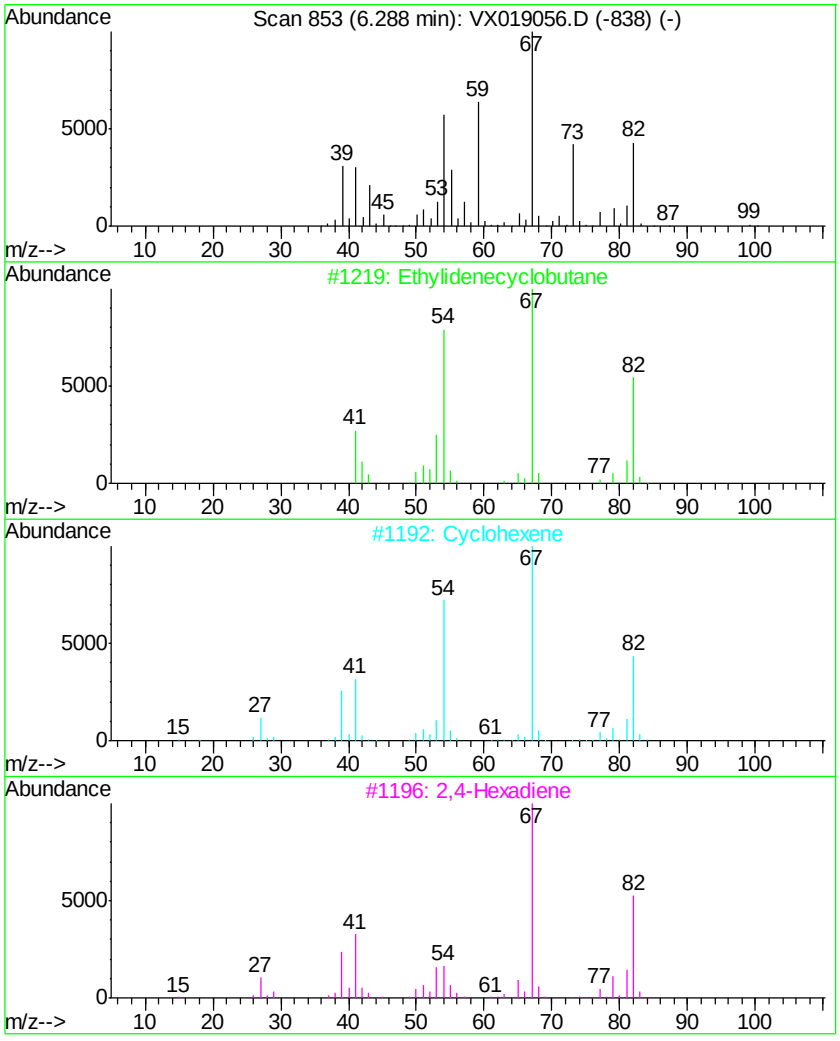
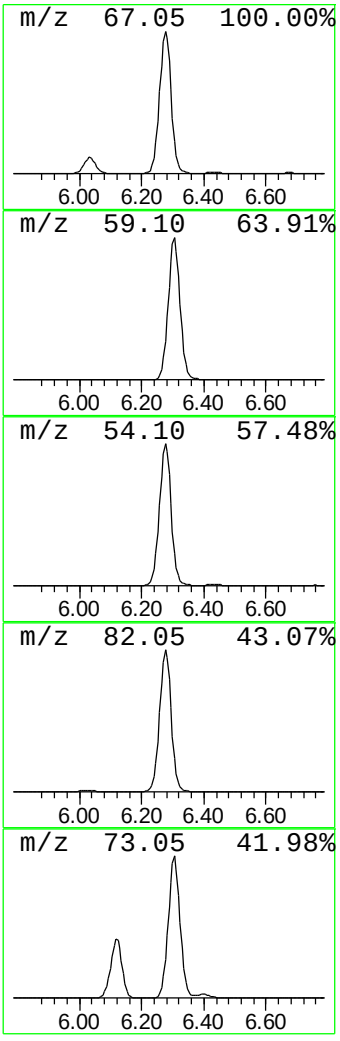
Peak Number 4 Ethylidenecyclobutane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	274.61 ug/l	6728780	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylidenecyclobutane	82	C6H10	001528-21-8	70
2	Cyclohexene	82	C6H10	000110-83-8	62
3	2,4-Hexadiene	82	C6H10	000592-46-1	60
4	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	60
5	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

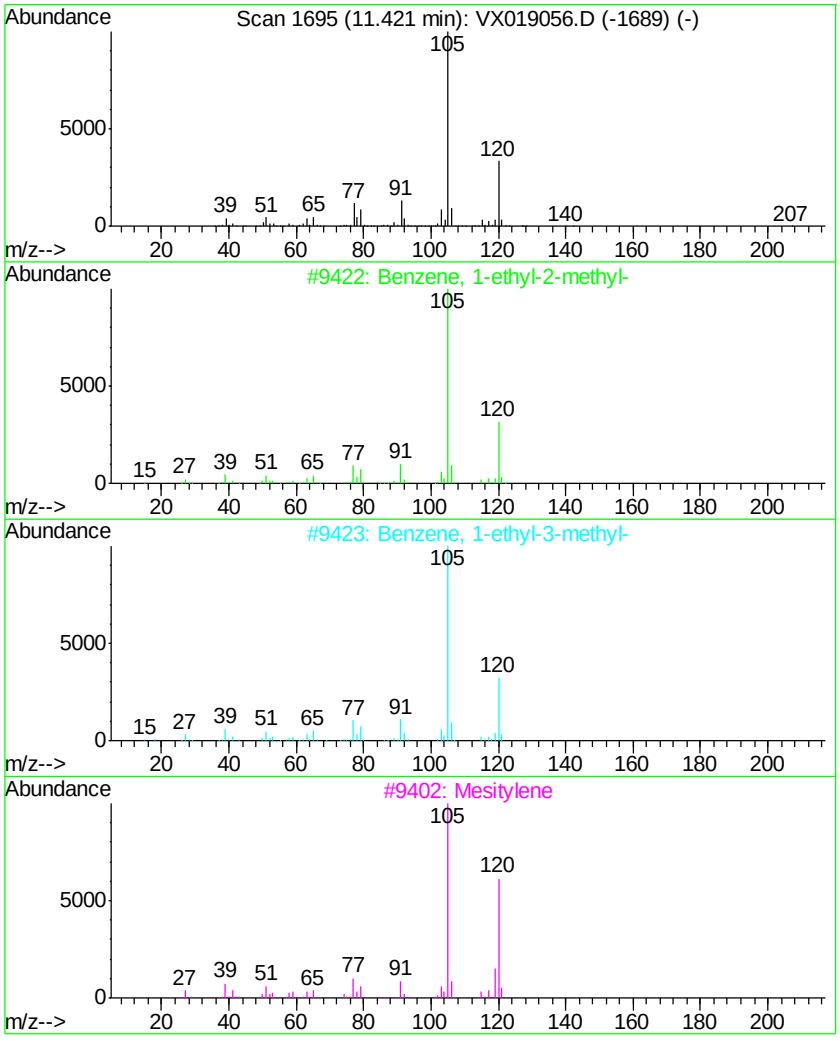
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

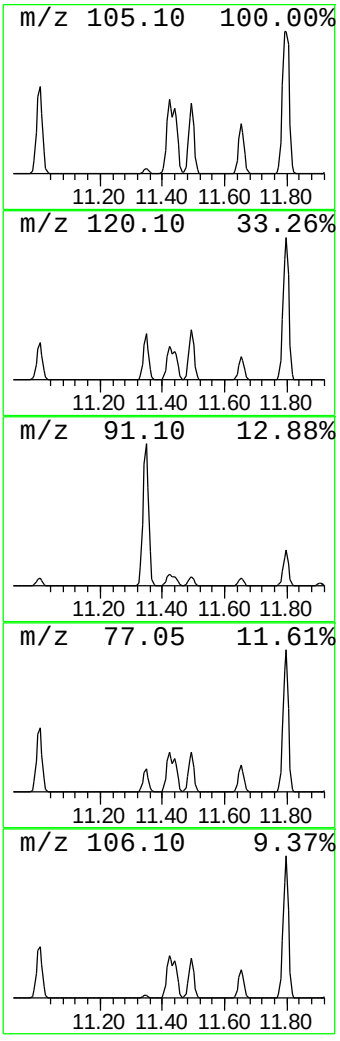
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	418.98 ug/l	14950700	1,4-Dichlorobenzene-d4	12.06

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	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

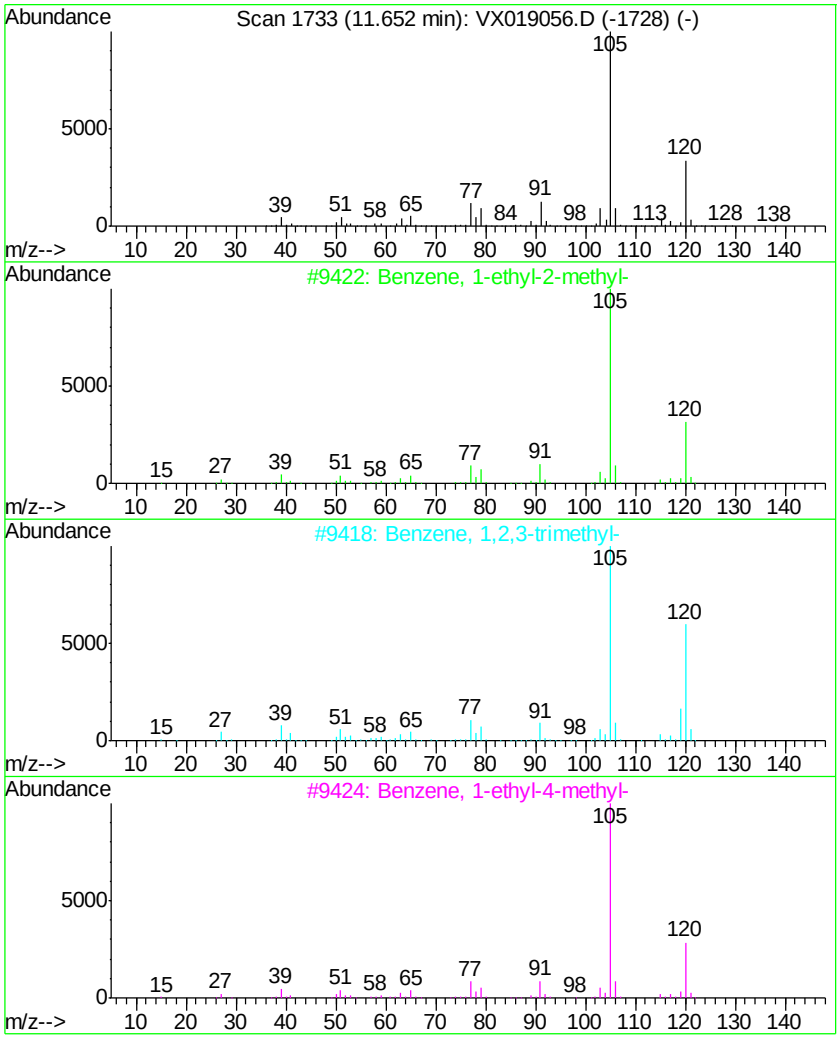
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

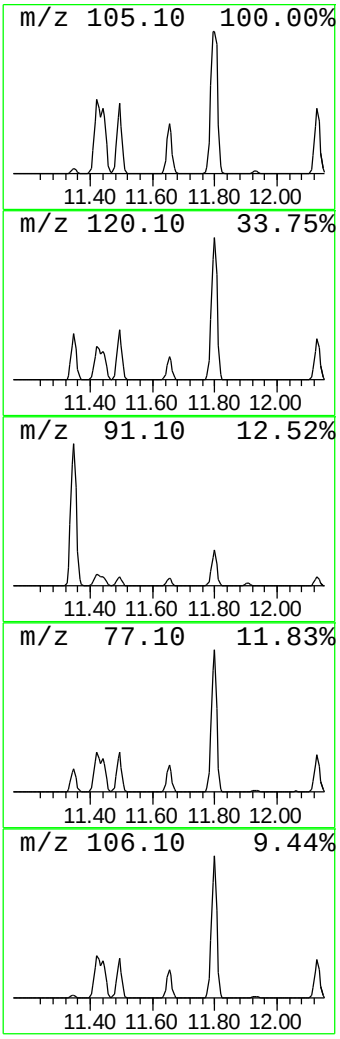
****

Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	250.18 ug/l	8927340	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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

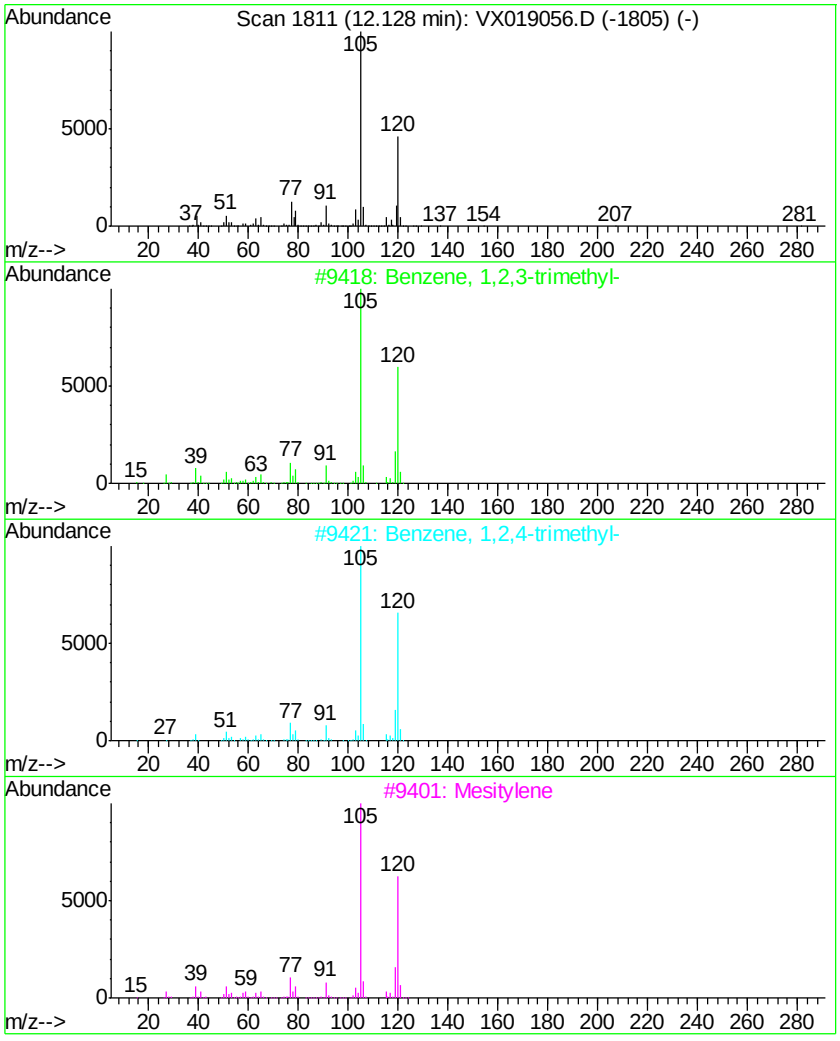
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

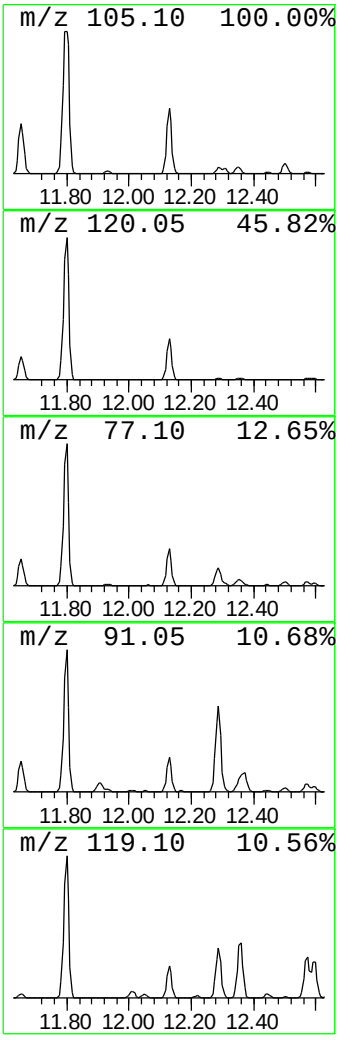
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	350.30 ug/l	12499700	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
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-2-methyl-	120	C9H12	000611-14-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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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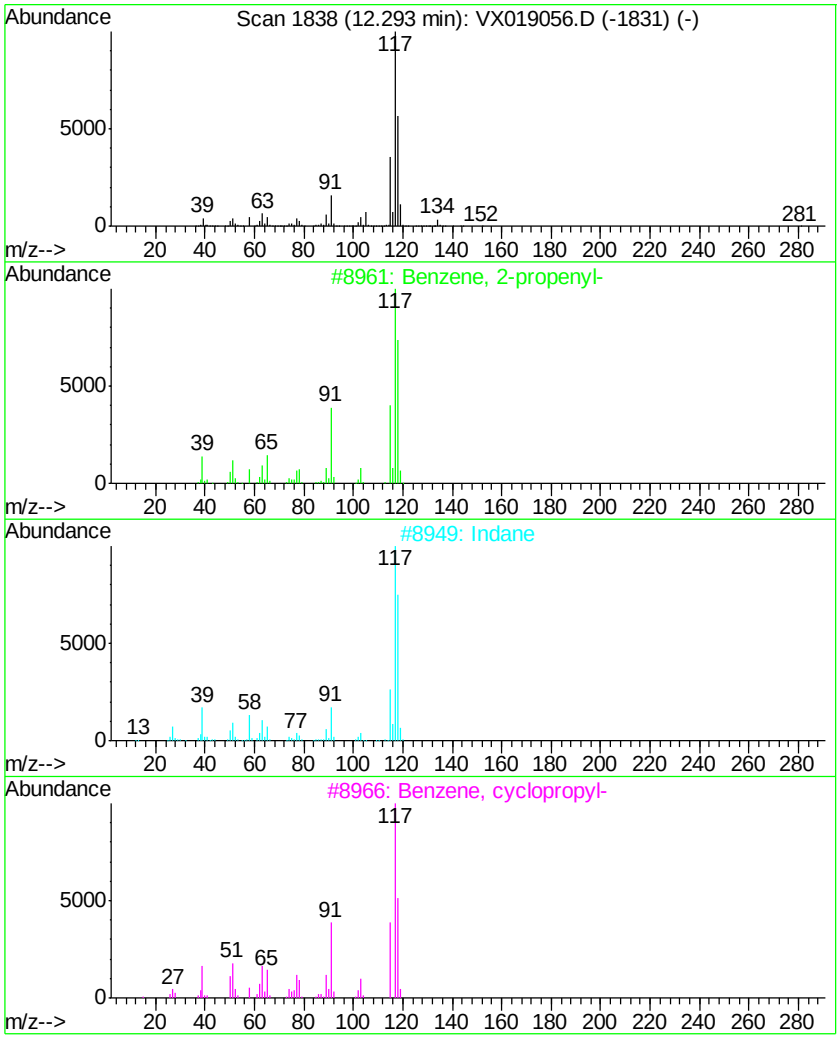
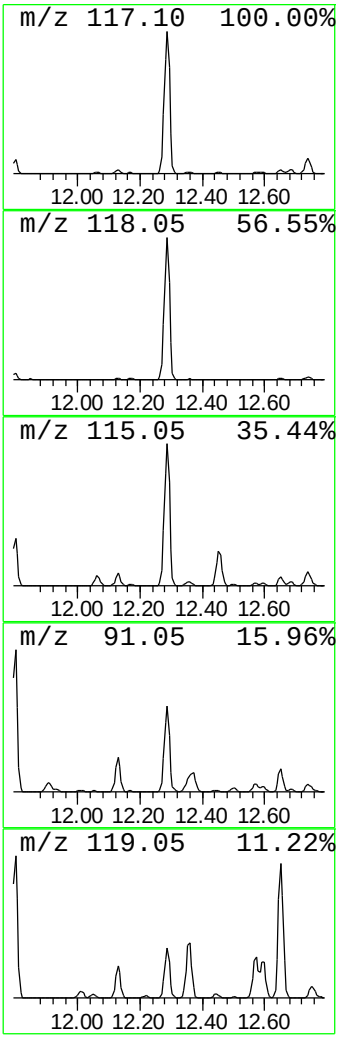
Peak Number 8 Benzene, 2-propenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	646.77 ug/l	23078900	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	59
5	Benzeneethanol, .beta.-ethenyl-....	162	C11H14O	040596-14-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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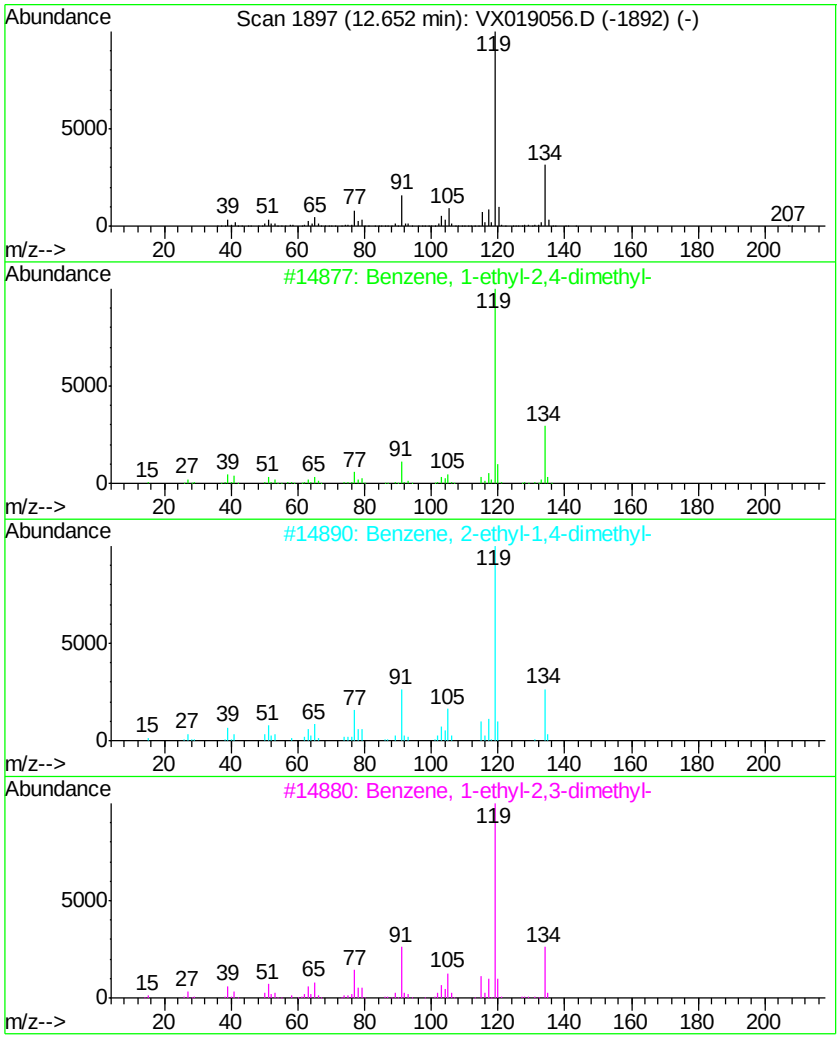
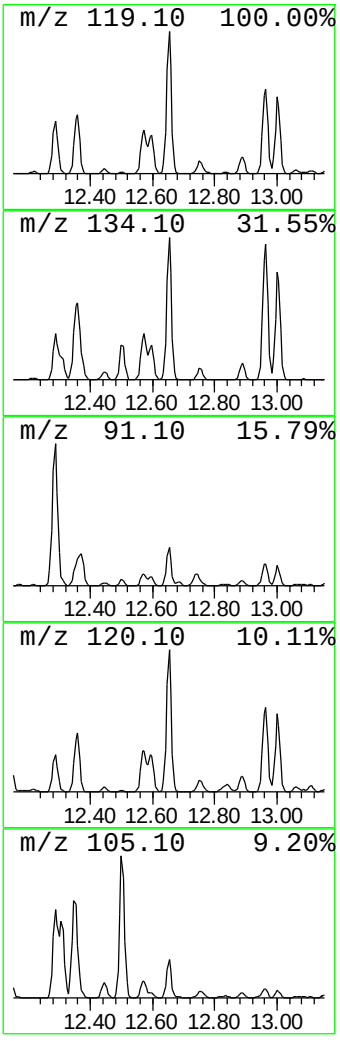
Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	144.30 ug/l	5148960	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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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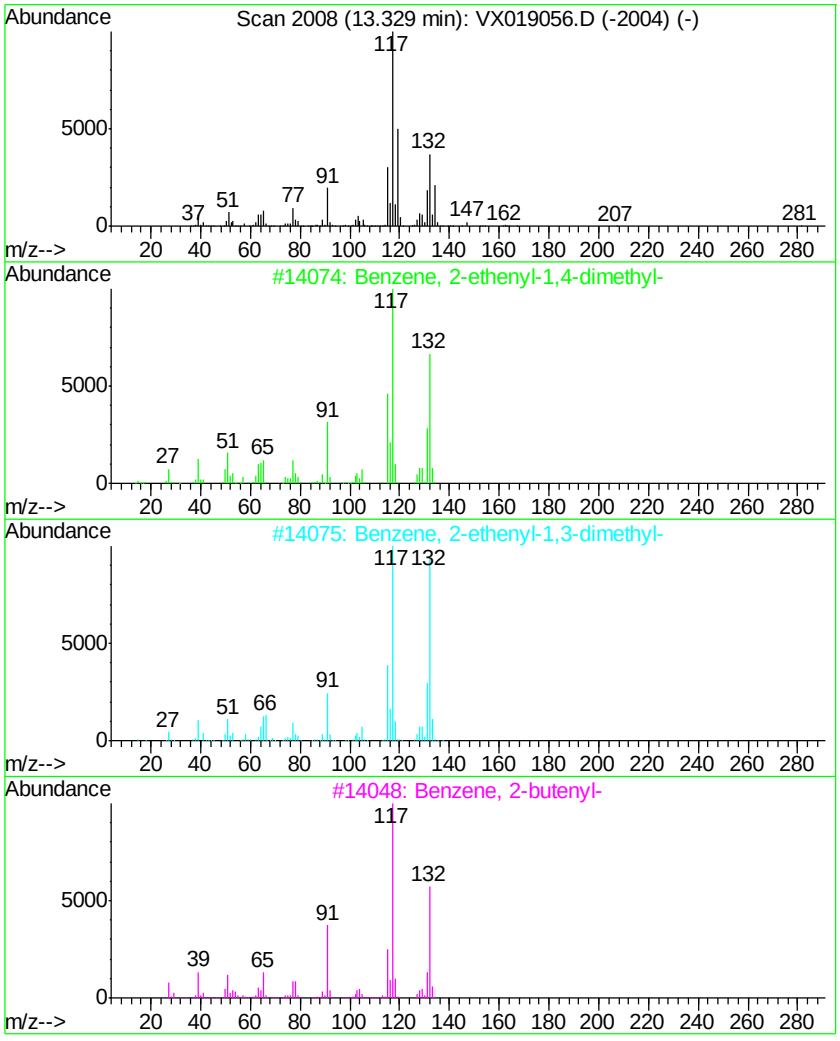
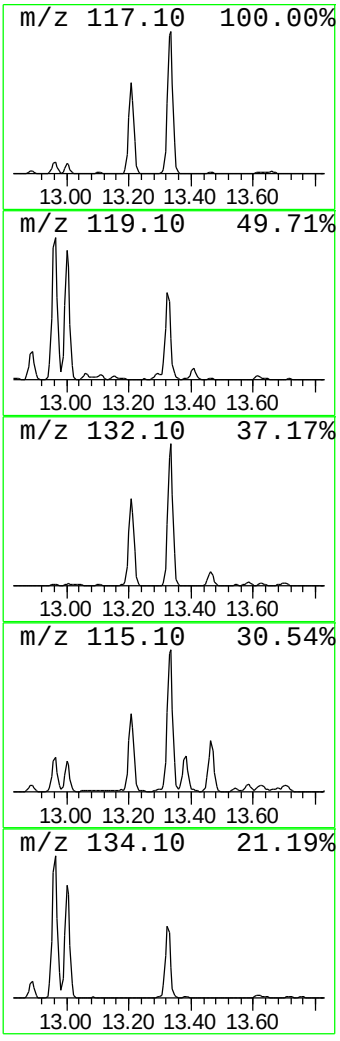
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	175.54 ug/l	6263870	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	86
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX102220\
Data File : VX019056.D
Acq On : 23 Oct 2020 03:12
Operator : JC/SP
Sample : L4417-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MW-1

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
2-Pentene, (Z)-	2.10	138.5	ug/l	6331540	1	5.64	2285940	50.0
2-Methyl-1-butene	2.25	300.4	ug/l	13734700	1	5.64	2285940	50.0
Cyclopentene	2.79	189.5	ug/l	8663780	1	5.64	2285940	50.0
Ethylidenecyclobu...	6.29	274.6	ug/l	6728780	2	6.83	1225170	50.0
Benzene, 1-ethyl-...	11.42	419.0	ug/l	14950700	4	12.06	1784170	50.0
Benzene, 1-ethyl-...	11.65	250.2	ug/l	8927340	4	12.06	1784170	50.0
Benzene, 1,2,3-tr...	12.13	350.3	ug/l	12499700	4	12.06	1784170	50.0
Benzene, 2-propenyl-	12.29	646.8	ug/l	23078900	4	12.06	1784170	50.0
Benzene, 1-ethyl-...	12.65	144.3	ug/l	5148960	4	12.06	1784170	50.0
Benzene, 2-etheny...	13.33	175.5	ug/l	6263870	4	12.06	1784170	50.0