LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMXTR092820WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.160	9	12	21	rVB	129725	115495	15.33%	1.045%
2	1.240	22	25	28	rVV	22750	18973	2.52%	0.172%
3	1.386	44	49	54	rBV2	84467	124555	16.54%	1.126%
4	1.483	61	65	69	rBV	54764	69893	9.28%	0.632%
5	1.697	96	100	107	rBV	47304	62231	8.26%	0.563%
6	1.935	135	139	143	rBV6	9922	15554	2.06%	0.141%
7	1.983	143	147	154	rVB7	7976	14541	1.93%	0.132%
8	2.343	197	206	212	rBV	105245	177300	23.54%	1.603%
9	2.447	216	223	229	rVV2	20659	54006	7.17%	0.488%
10	2.550	234	240	244	rBV	13525	20439	2.71%	0.185%
11	2.825	277	285	287	rBV2	34162	60259	8.00%	0.545%
12	2.873	287	293	304	rVB	150902	318090	42.23%	2.877%
13	3.154	329	339	350	rVB	303159	685706	91.03%	6.201%
14	3.386	372	377	384	rVB8	8972	21681	2.88%	0.196%
15	3.501	386	396	410	rBV	272764	613701	81.48%	5.550%
16	3.666	419	423	429	rVB	9100	20822	2.76%	0.188%
17	4.111	487	496	508	rBV4	15825	50971	6.77%	0.461%
18	4.288	516	525	529	rBV5	18273	49385	6.56%	0.447%
19	4.373	531	539	550	rVB2	152424	449177	59.63%	4.062%
20	4.544	557	567	578	rBV	70743	236697	31.42%	2.141%
21	4.654	583	585	596	rVB3	11416	26458	3.51%	0.239%
22	5.141	652	665	677	rBV	82770	262863	34.90%	2.377%
23	5.544	726	731	744	rVB9	11187	33236	4.41%	0.301%
24	6.044	801	813	824	rBV2	168115	495681	65.81%	4.483%
25	6.830	926	942	953	rBV	218062	529647	70.32%	4.790%
26	7.367	1023	1030	1043	rBV2	106762	245919	32.65%	2.224%
27	7.635	1069	1074	1079	rBV3	11139	24004	3.19%	0.217%
28	7.702	1082	1085	1096	rVB9	6148	12154	1.61%	0.110%
29	8.372	1189	1195	1201	rBV3	64265	105850	14.05%	0.957%
30	8.696	1241	1248	1254	rBV	246950	389528	51.71%	3.523%
31	8.763	1254	1259	1270	rVV	474745	753236	100.00%	6.812%
32	8.994	1292	1297	1302	rBV2	46432	70520	9.36%	0.638%
33	9.208	1326	1332	1337	rVB9	6007	11716	1.56%	0.106%
34	9.348	1352	1355	1361	rVB4	9228	11965	1.59%	0.108%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMXTR092820WMA.M
Title : TRACE VOA SOM01.0

35	9.427	1361	1368	1374	rBV	379853	526268	69.87%	4.759%
36	9.476	1374	1376	1385	rVV	18622	27258	3.62%	0.247%
37	9.561	1385	1390	1396	rVB	30446	43110	5.72%	0.390%
38	10.098	1472	1478	1488	rVB	466724	637440	84.63%	5.765%
39	10.232	1493	1500	1505	rBV	34027	51127	6.79%	0.462%
40	10.281	1505	1508	1511	rVV5	5231	9202	1.22%	0.083%
41	10.342	1511	1518	1524	rVV2	72572	132116	17.54%	1.195%
42	10.396	1524	1527	1535	rVB3	27891	43610	5.79%	0.394%
43	10.628	1557	1565	1569	rBV5	38928	82484	10.95%	0.746%
44	10.683	1569	1574	1578	rVV	54096	81304	10.79%	0.735%
45	10.720	1578	1580	1589	rVB	22151	31809	4.22%	0.288%
46	10.811	1589	1595	1600	rBV5	49692	104271	13.84%	0.943%
47	10.896	1604	1609	1620	rVB3	70321	130925	17.38%	1.184%
48	10.988	1620	1624	1625	rBV4	8998	11942	1.59%	0.108%
49	11.043	1629	1633	1641	rBV8	9952	24416	3.24%	0.221%
50	11.116	1641	1645	1651	rBV7	9310	22193	2.95%	0.201%
51	11.171	1651	1654	1659	rVB6	16617	20937	2.78%	0.189%
52	11.232	1659	1664	1667	rBV	138342	185244	24.59%	1.675%
53	11.256	1667	1668	1676	rVB4	38462	47897	6.36%	0.433%
54	11.341	1678	1682	1686	rBV4	18582	30713	4.08%	0.278%
55	11.421	1691	1695	1700	rVV3	36344	71170	9.45%	0.644%
56	11.469	1700	1703	1708	rVV5	26521	53803	7.14%	0.487%
57	11.518	1708	1711	1715	rVB4	32057	39407	5.23%	0.356%
58	11.567	1715	1719	1722	rVB5	11369	15583	2.07%	0.141%
59	11.610	1722	1726	1730	rBV	105776	131238	17.42%	1.187%
60	11.658	1730	1734	1739	rVB4	45502	78636	10.44%	0.711%
61	11.793	1752	1756	1761	rBV	58686	88631	11.77%	0.802%
62	11.872	1766	1769	1771	rBV3	10854	13437	1.78%	0.122%
63	11.982	1781	1787	1790	rBV5	21244	42832	5.69%	0.387%
64	12.061	1795	1800	1806	rBV	520754	663993	88.15%	6.005%
65	12.128	1806	1811	1814	rVB	15674	18954	2.52%	0.171%
66	12.286	1833	1837	1838	rVV3	24635	30626	4.07%	0.277%
67	12.311	1838	1841	1844	rVV	25358	33637	4.47%	0.304%
68	12.360	1844	1849	1856	rVB	373623	513735	68.20%	4.646%
69	12.445	1858	1863	1868	rBV8	7819	16446	2.18%	0.149%
70	12.500	1868	1872	1877	rVB	21990	32777	4.35%	0.296%
71	12.567	1879	1883	1885	rBV	28515	36109	4.79%	0.327%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMXTR092820WMA.M
Title : TRACE VOA SOM01.0

72	12.591	1885	1887	1893	rVV2	24526	34527	4.58%	0.312%
73	12.652	1893	1897	1900	rVB	44649	51853	6.88%	0.469%
74	12.750	1906	1913	1915	rBV8	12868	25464	3.38%	0.230%
75	12.847	1927	1929	1933	rBV5	6083	9517	1.26%	0.086%
76	12.890	1933	1936	1942	rVB3	54316	63338	8.41%	0.573%
77	12.963	1942	1948	1951	rBV	53937	70331	9.34%	0.636%
78	13.000	1951	1954	1960	rVB	27554	37805	5.02%	0.342%
79	13.140	1974	1977	1981	rVB6	7313	9426	1.25%	0.085%
80	13.201	1983	1987	1992	rVB7	11739	23633	3.14%	0.214%
81	13.286	1997	2001	2003	rBV4	8203	12010	1.59%	0.109%
82	13.329	2005	2008	2013	rVB3	34088	48767	6.47%	0.441%
83	13.402	2018	2020	2024	rVV2	7980	9310	1.24%	0.084%
84	13.445	2024	2027	2035	rVB9	12598	25917	3.44%	0.234%
85	13.561	2041	2046	2049	rBV7	5688	12051	1.60%	0.109%
86	13.621	2052	2056	2063	rVV5	21077	42149	5.60%	0.381%
87	13.725	2068	2073	2077	rVV6	17189	29239	3.88%	0.264%
88	13.817	2081	2088	2095	rVV	53227	89305	11.86%	0.808%
89	13.884	2097	2099	2104	rVV6	6308	10944	1.45%	0.099%
90	13.963	2106	2112	2116	rVV9	7745	15849	2.10%	0.143%
91	14.109	2134	2136	2142	rVB7	6880	9561	1.27%	0.086%
92	14.213	2149	2153	2158	rVV7	7127	14619	1.94%	0.132%
93	14.262	2158	2161	2165	rVB6	6454	9788	1.30%	0.089%
94	14.487	2194	2198	2201	rVV6	5997	10590	1.41%	0.096%
95	14.518	2201	2203	2211	rVB9	5726	10523	1.40%	0.095%
96	14.676	2220	2229	2233	rBV4	20578	37381	4.96%	0.338%
97	14.823	2250	2253	2256	rVB3	10507	12625	1.68%	0.114%
98	15.524	2364	2368	2376	rVV6	9591	17724	2.35%	0.160%
99	15.664	2388	2391	2395	rVV6	12904	23078	3.06%	0.209%
100	15.700	2395	2397	2402	rVB6	8390	12547	1.67%	0.113%

Sum of corrected areas: 11057404

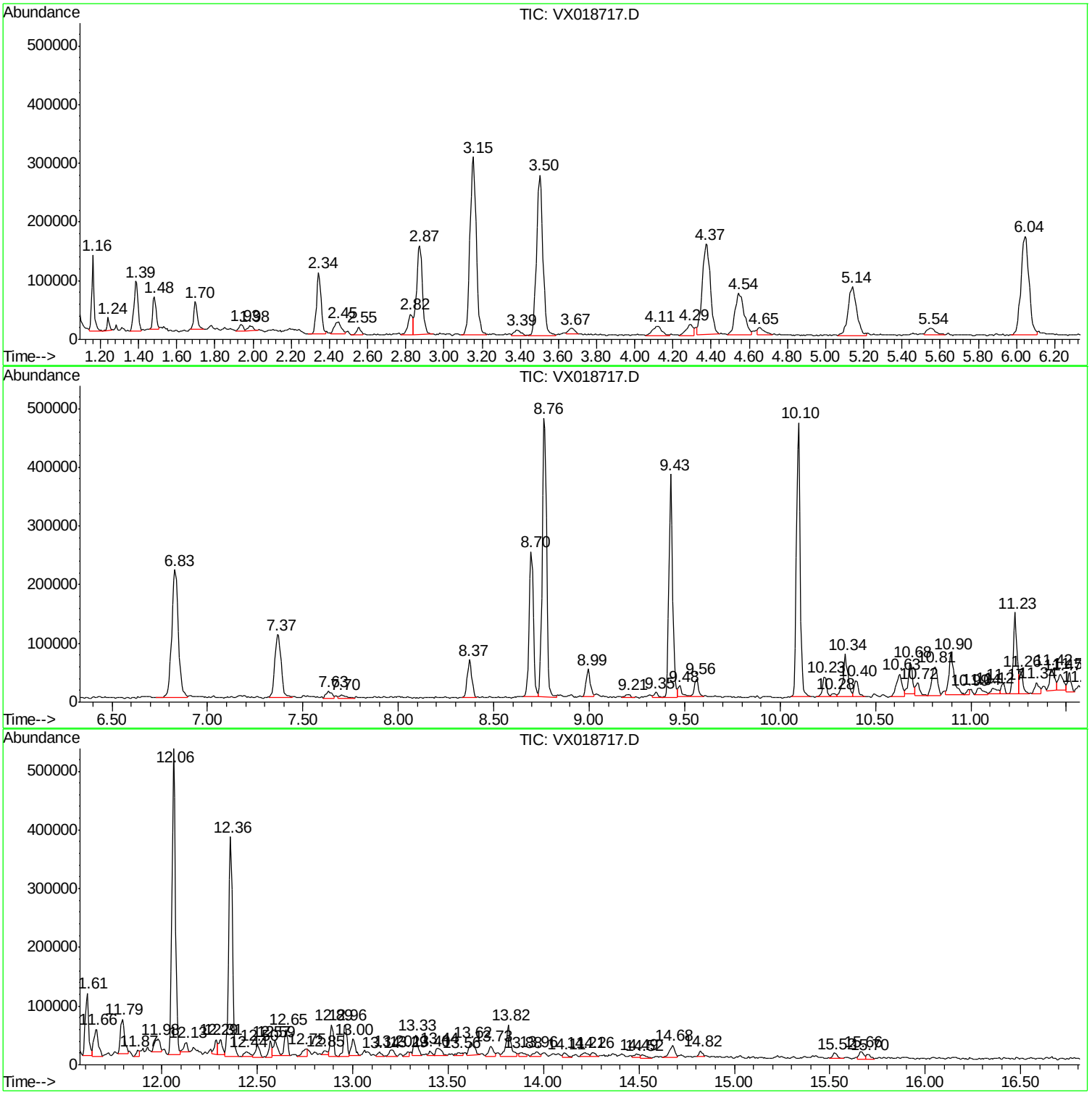
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

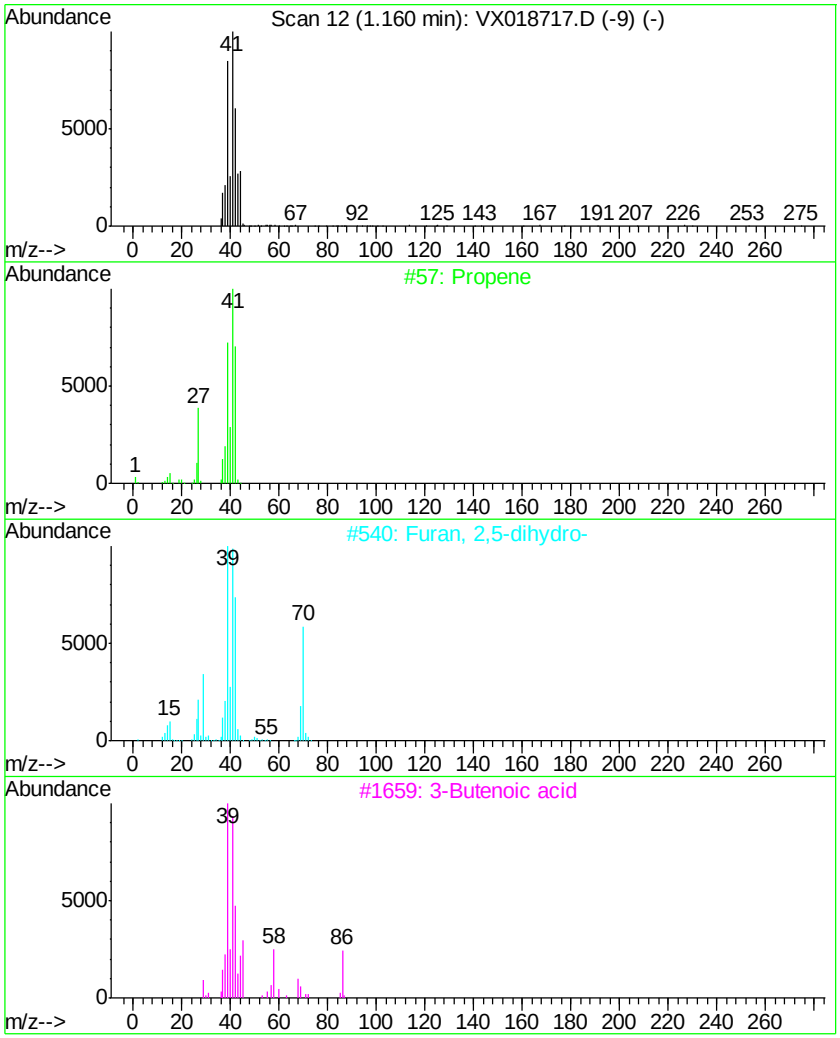
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

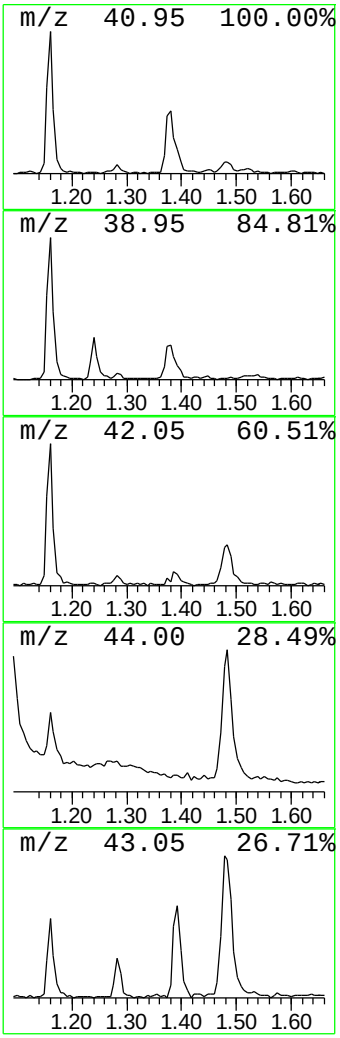
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.16	1.09 ug/L	115495	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	83
2	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	78
3	3-Butenoic acid	86	C4H6O2	000625-38-7	78
4	Cyclopropanecarboxylic acid	86	C4H6O2	001759-53-1	74
5	2-Butenal, (E)-	70	C4H6O	000123-73-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

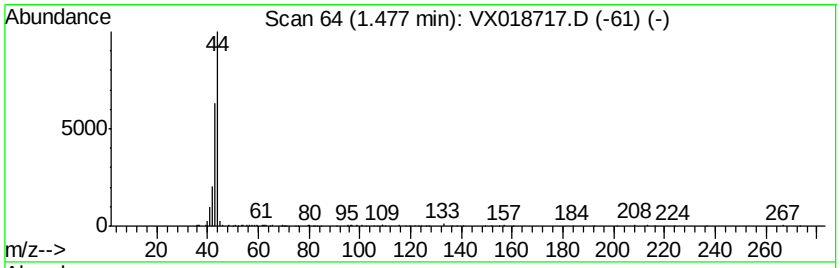
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

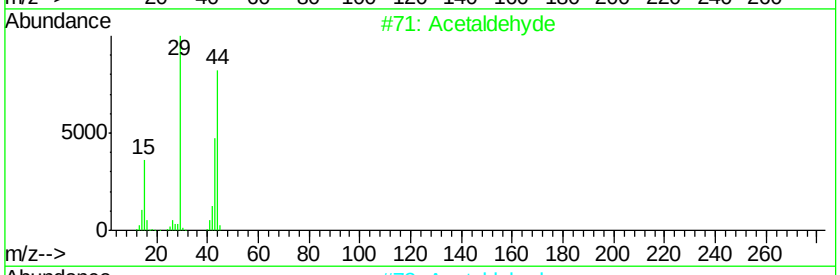
****

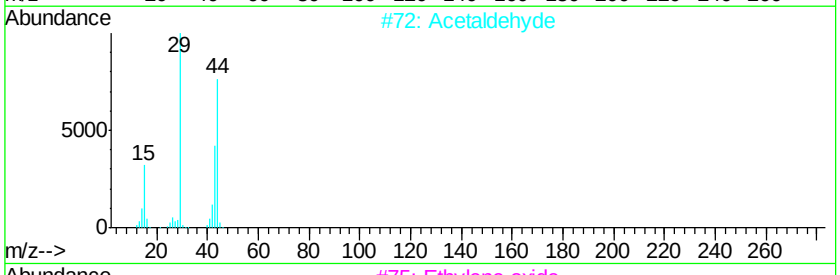
Peak Number 2 Acetaldehyde Concentration Rank 12

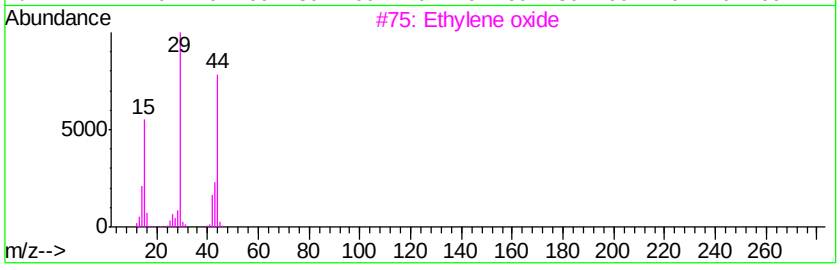
R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	0.66 ug/L	69893	1,4-Difluorobenzene	6.83

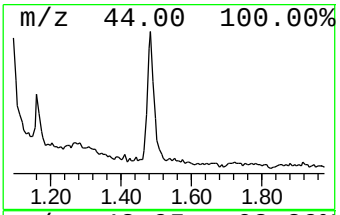
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	56
2	Acetaldehyde	44	C2H4O	000075-07-0	56
3	Ethylene oxide	44	C2H4O	000075-21-8	9
4	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5

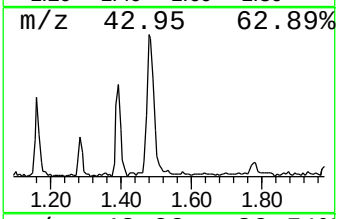


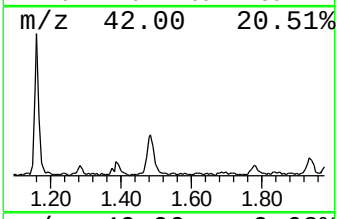


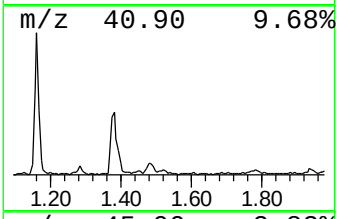


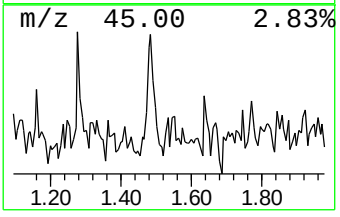












Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

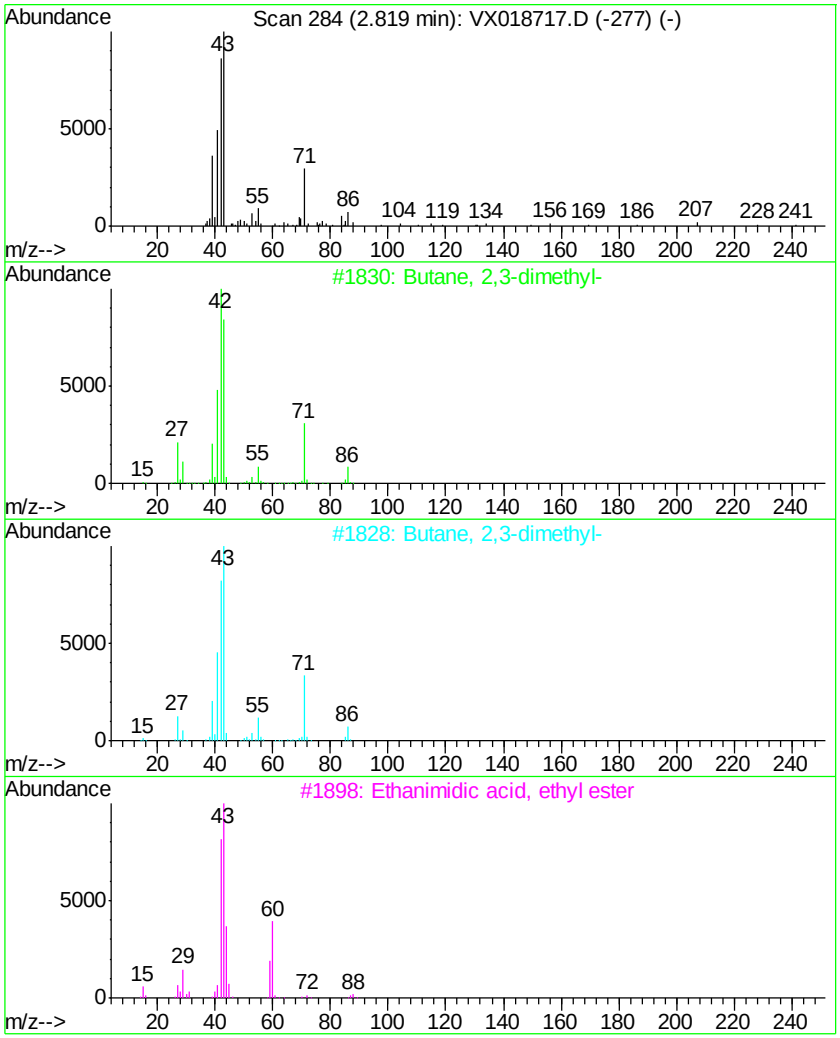
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

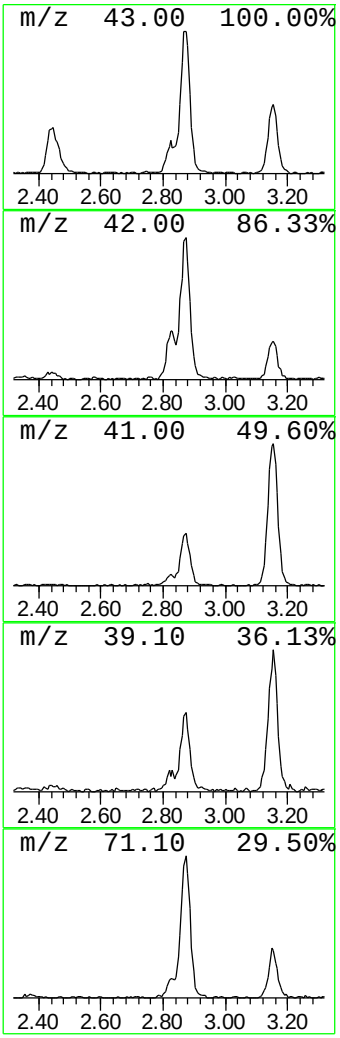
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.82	0.57 ug/L	60259	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	83
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
3	Ethanimidic acid, ethyl ester	87	C4H9NO	001000-84-6	40
4	Butane, 2-methyl-	72	C5H12	000078-78-4	33
5	2-Pentanone, 3-ethyl-	114	C7H14O	006137-03-7	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

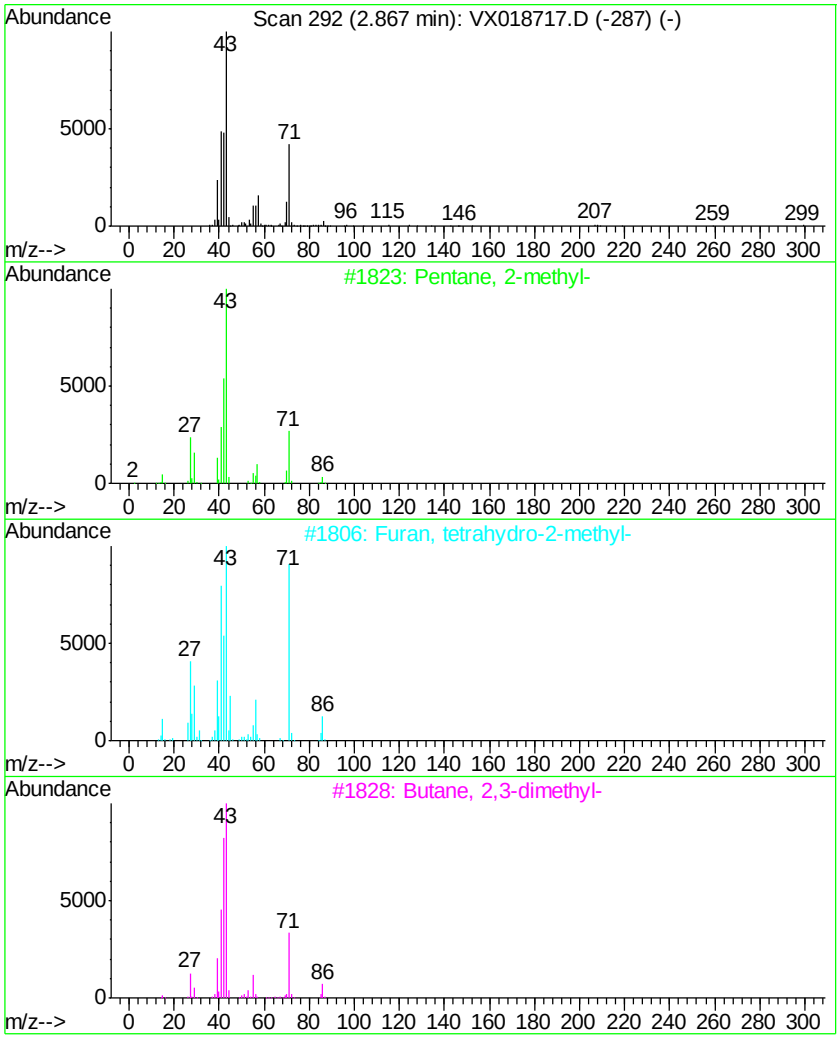
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

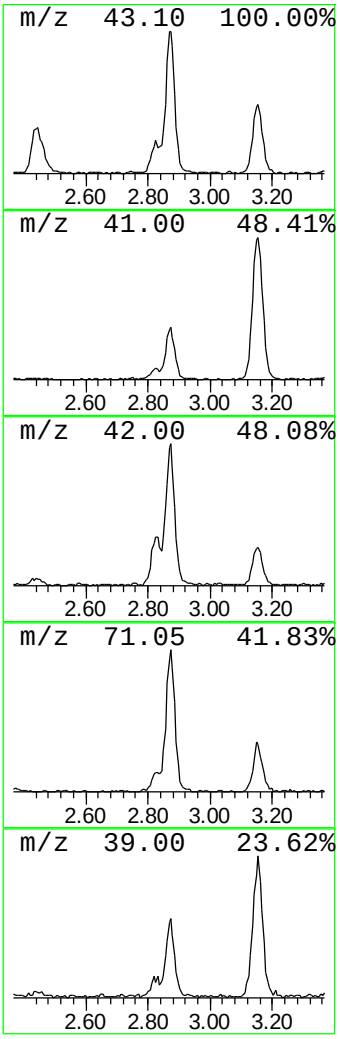
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.87	3.00 ug/L	318090	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
2	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	50
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

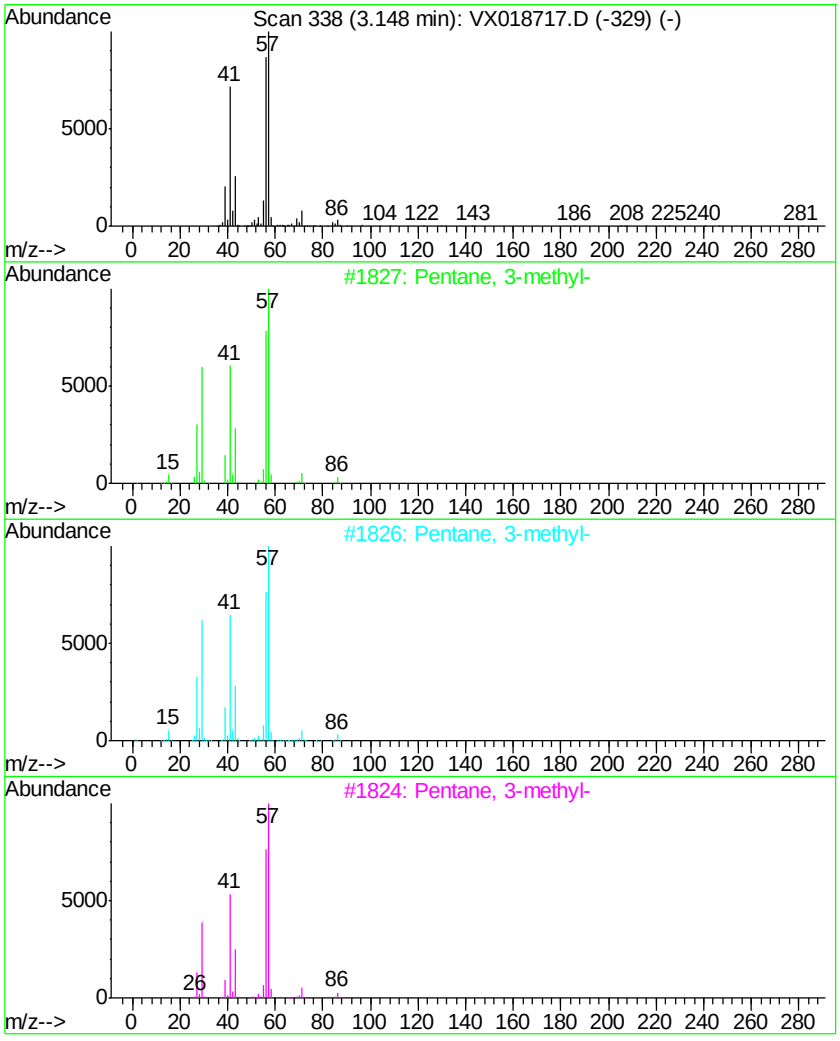
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

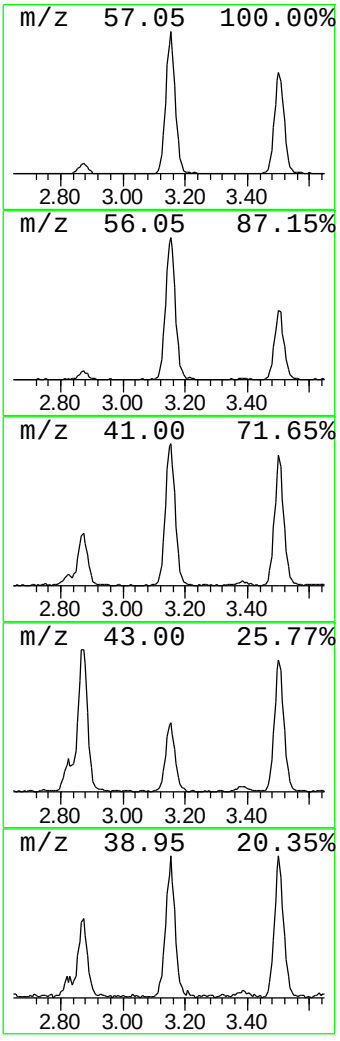
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	6.47 ug/L	685706	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
5	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

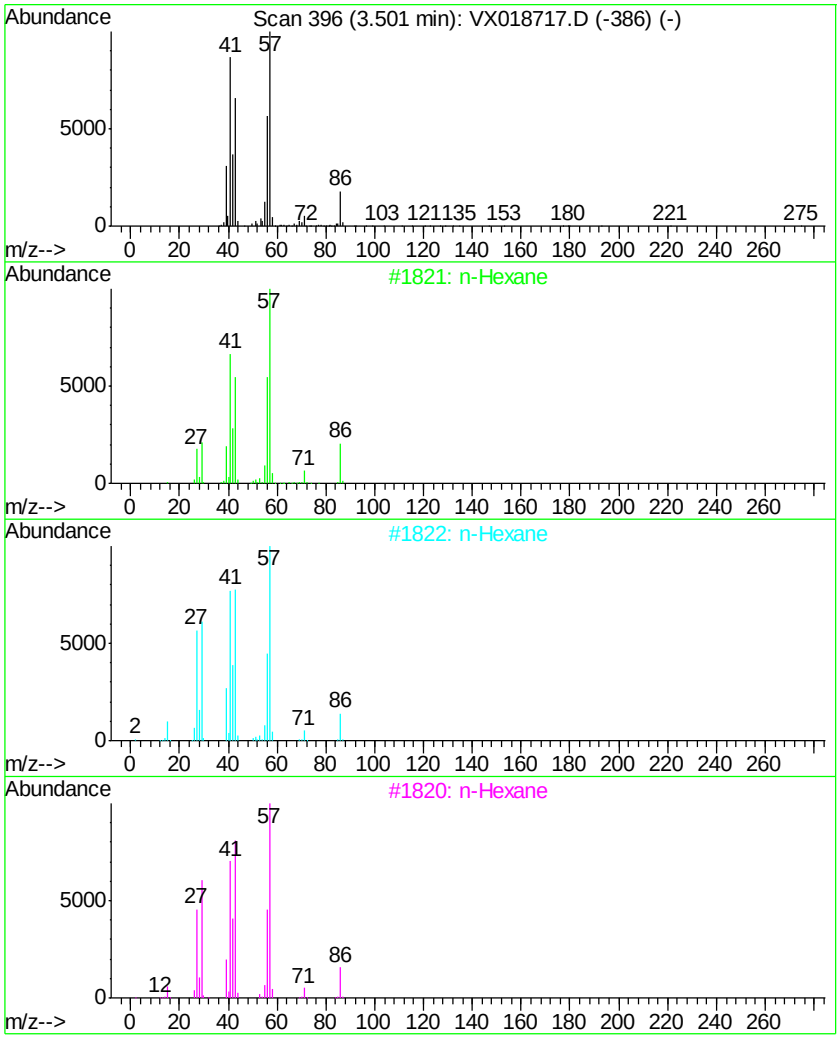
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

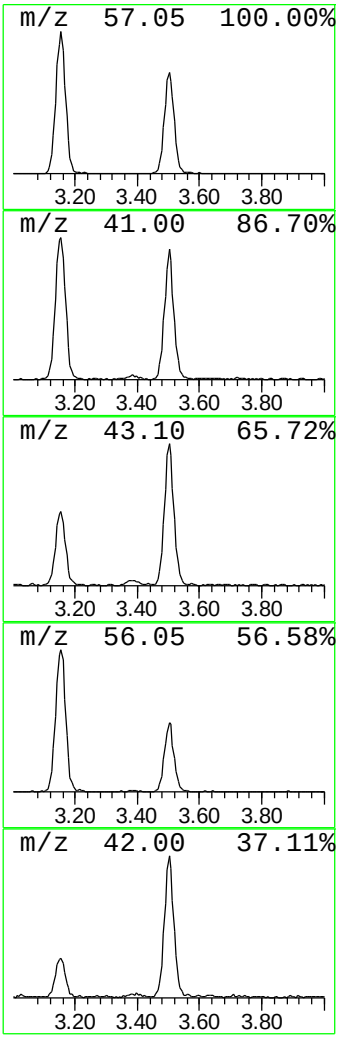
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	5.79 ug/L	613701	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	87
2	n-Hexane	86	C6H14	000110-54-3	64
3	n-Hexane	86	C6H14	000110-54-3	59
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	50
5	2H-Pyran-2-one, tetrahydro-5,6-d...	128	C7H12O2	024405-16-1	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

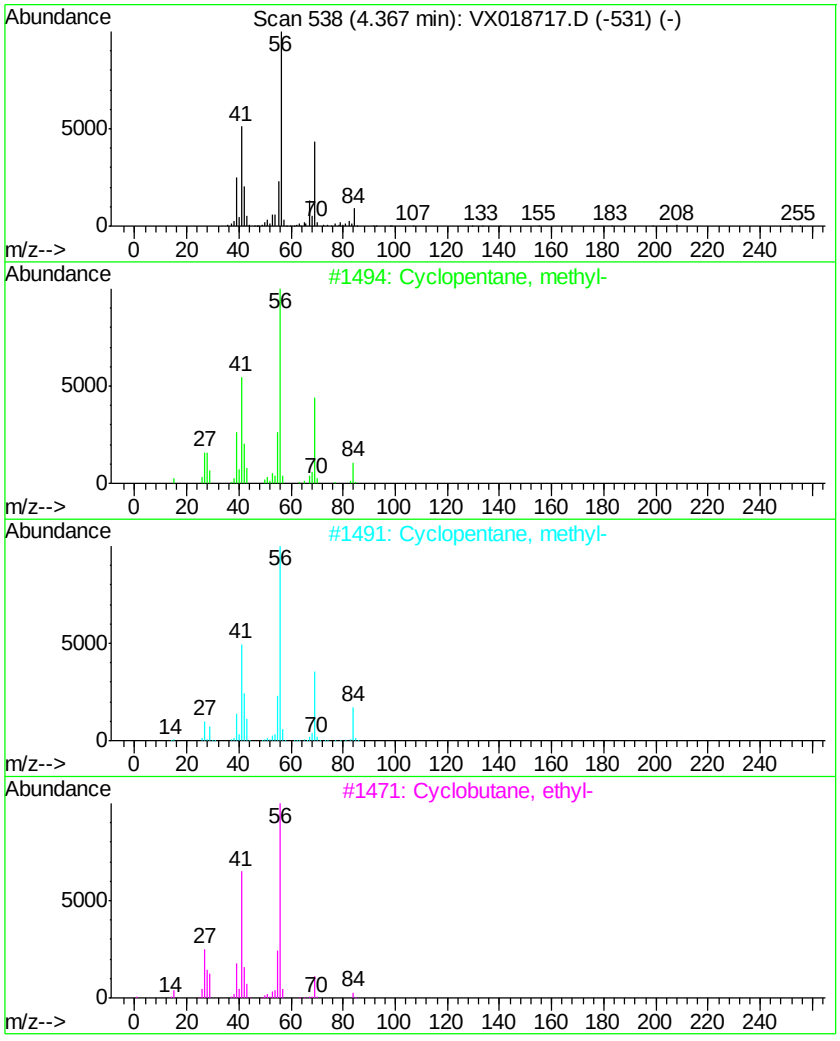
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

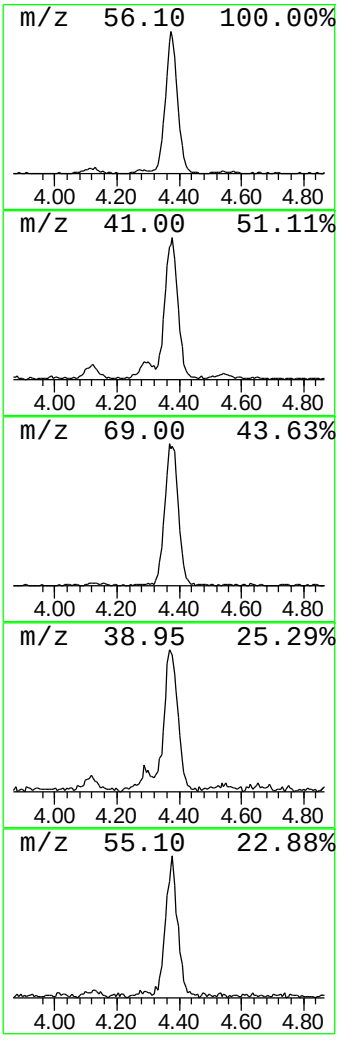
****

Peak Number 7 (DEL) Alkane: Cyclic4.37 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	4.24 ug/L	449177	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	59
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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

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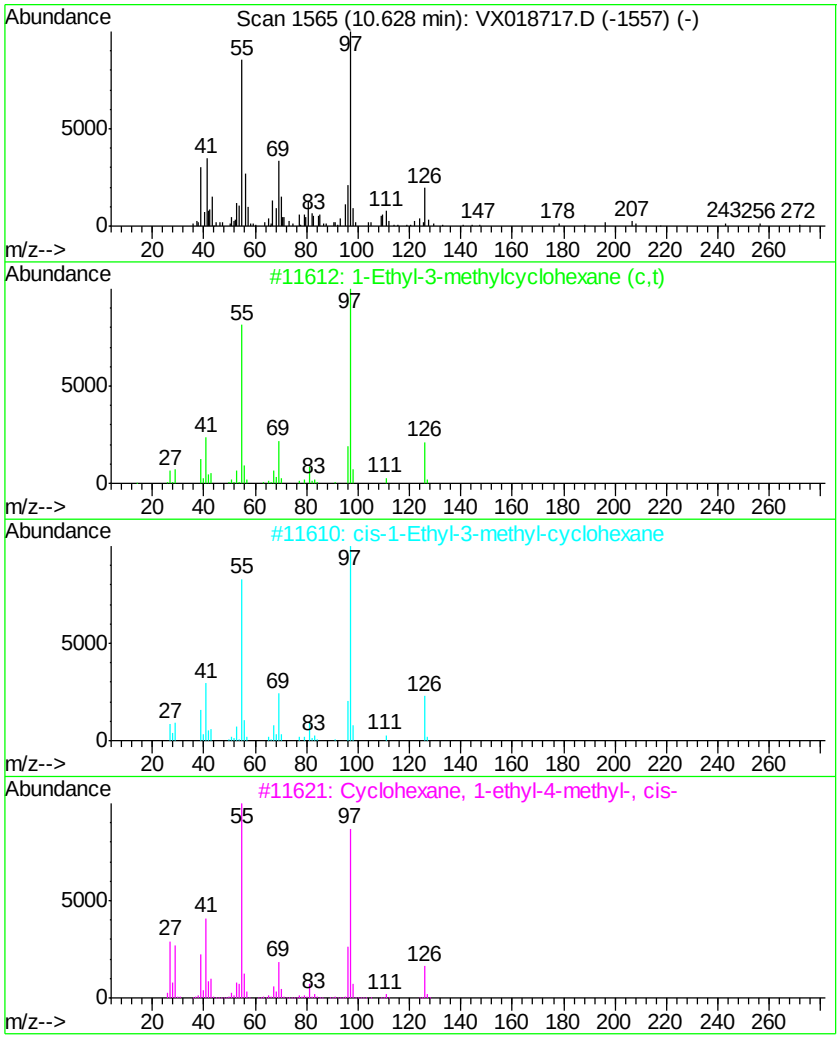
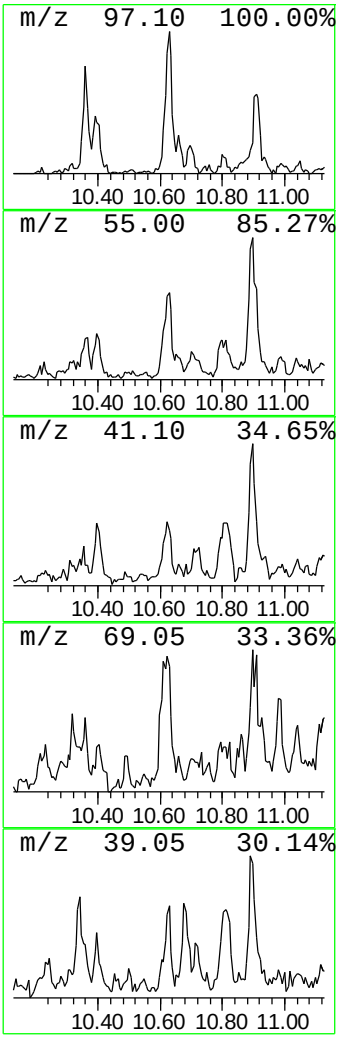
Peak Number 9 1-Ethyl-3-methylcyclohexane... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	0.65 ug/L	82484	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	74
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	74
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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

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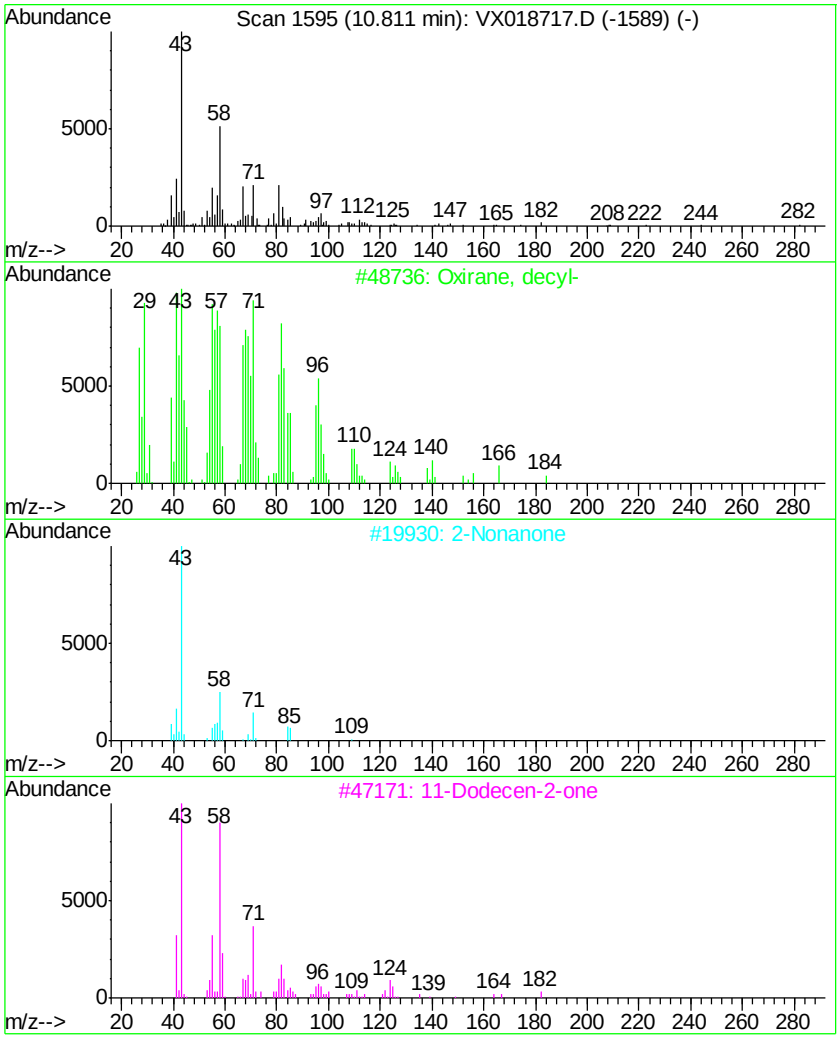
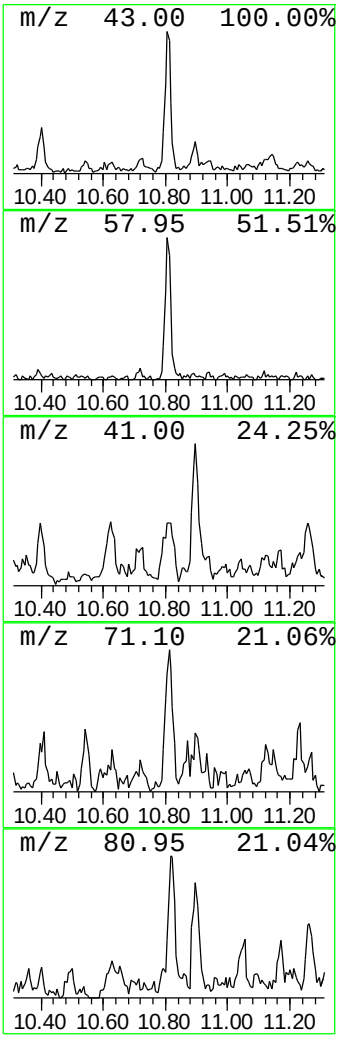
Peak Number 10 Oxirane, decyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	0.82 ug/L	104271	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, decyl-	184	C12H24O	002855-19-8	96
2	2-Nonanone	142	C9H18O	000821-55-6	43
3	11-Dodecen-2-one	182	C12H22O	005009-33-6	42
4	Hexadecanal, 2-methyl-	254	C17H34O	055019-46-0	40
5	2-Tridecanone	198	C13H26O	000593-08-8	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

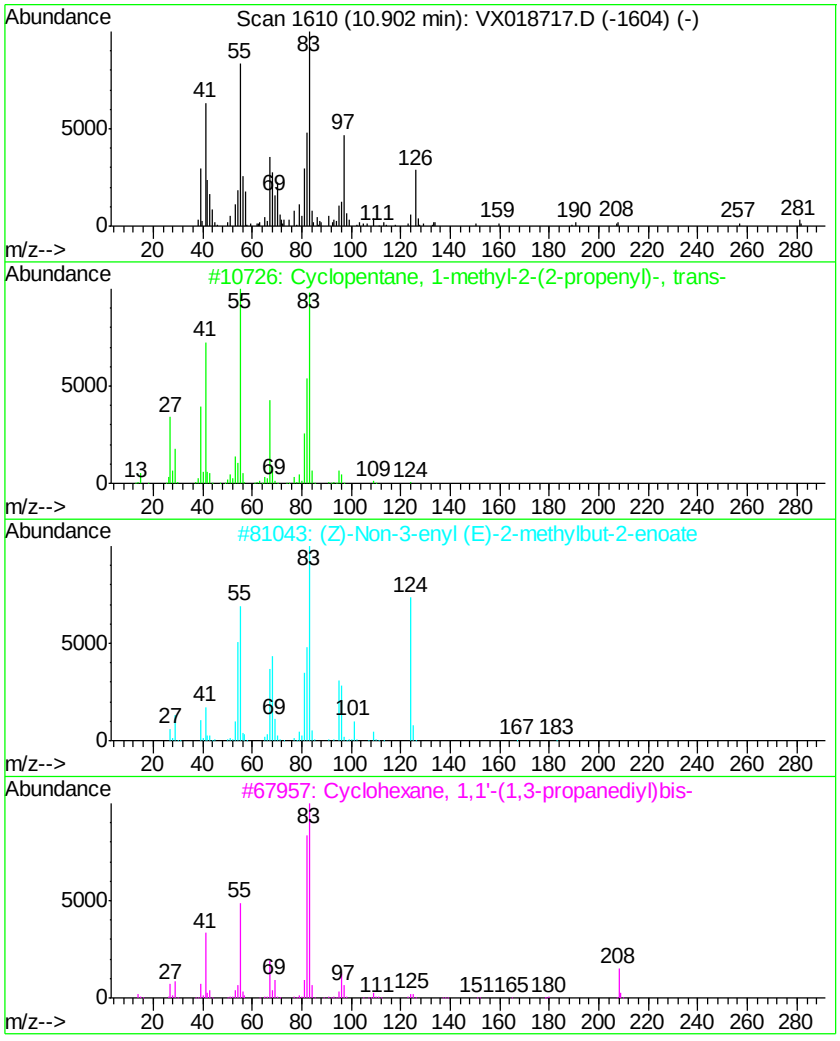
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

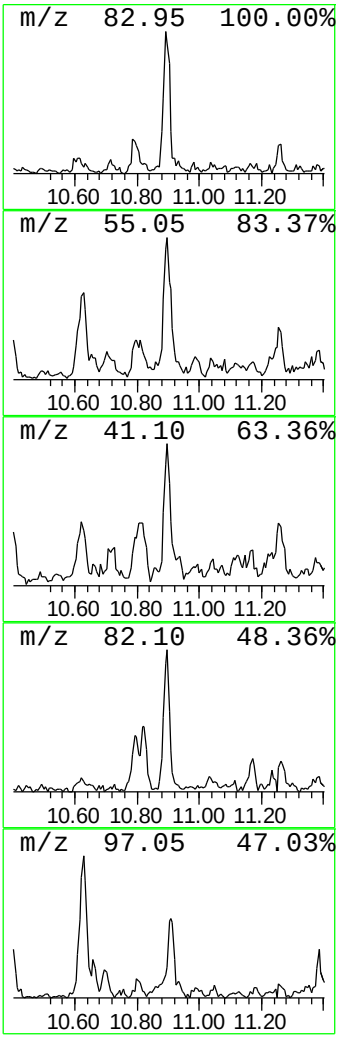
****

Peak Number 11 Cyclopentane, 1-methyl-2-(2... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	1.03 ug/L	130925	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	59
2	(Z)-Non-3-enyl (E)-2-methylbut-2...	224	C14H24O2	1000373-73-1	59
3	Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	53
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
5	2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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

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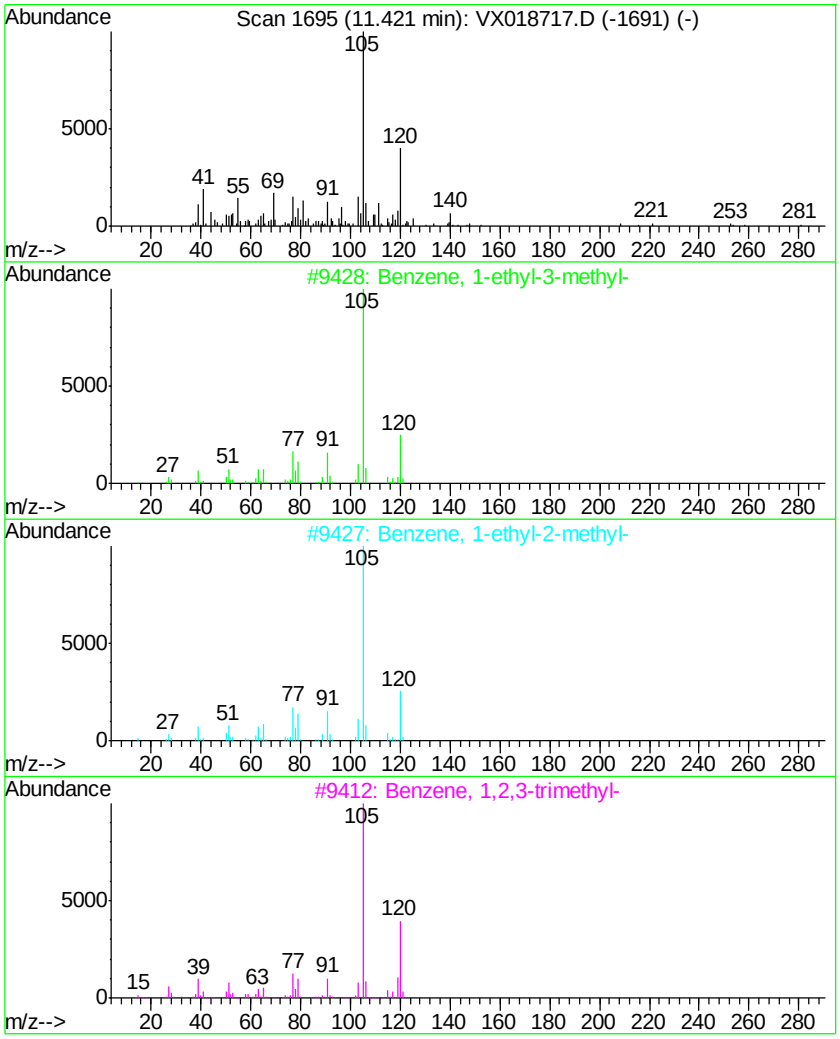
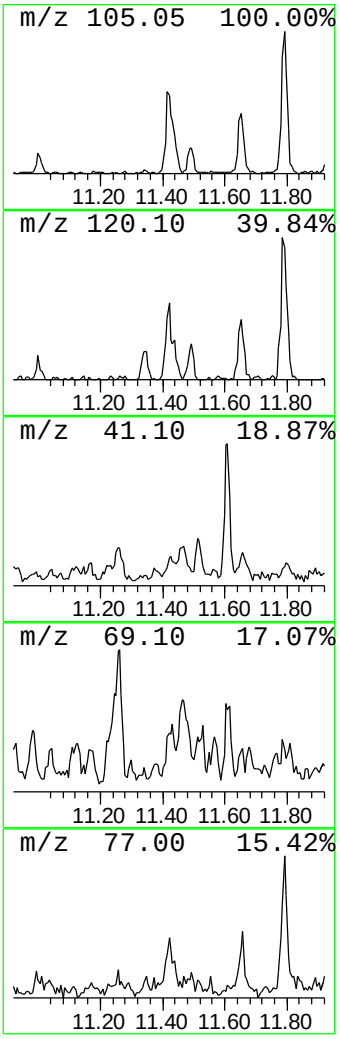
Peak Number 12 Benzene, 1-ethyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	0.54 ug/L	71170	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	92
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

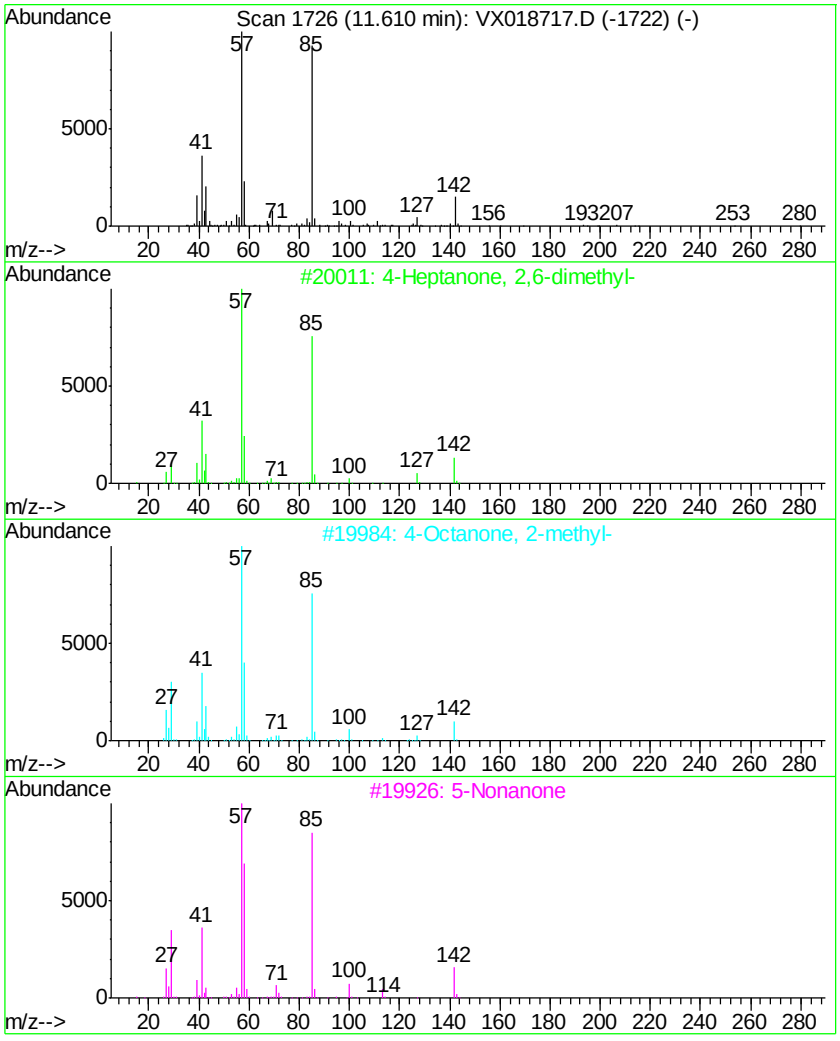
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

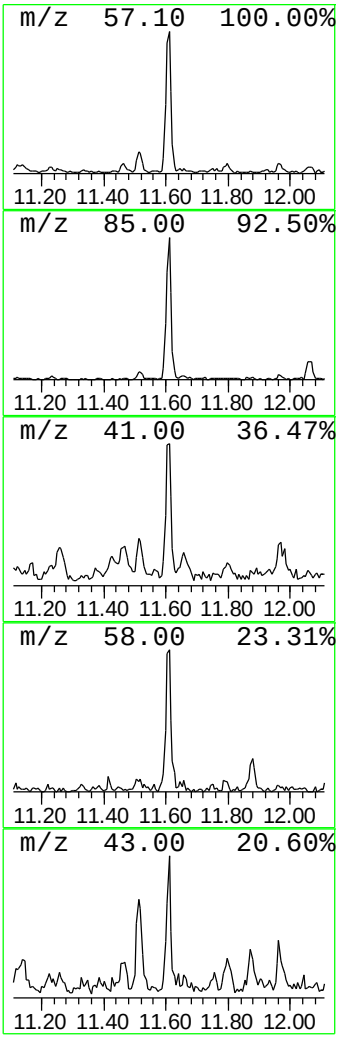
****

Peak Number 13 4-Heptanone, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	0.99 ug/L	131238	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	86
2	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	64
3	5-Nonanone	142	C9H18O	000502-56-7	64
4	5-Nonanone	142	C9H18O	000502-56-7	45
5	5-Nonanone	142	C9H18O	000502-56-7	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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

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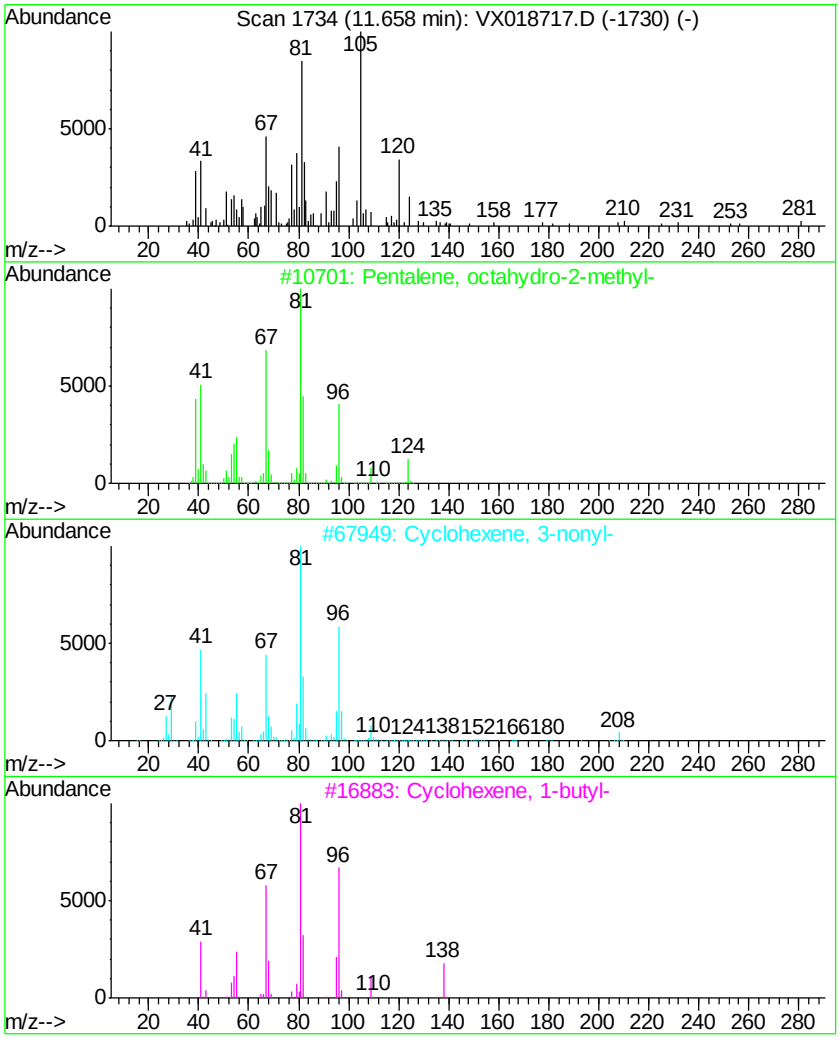
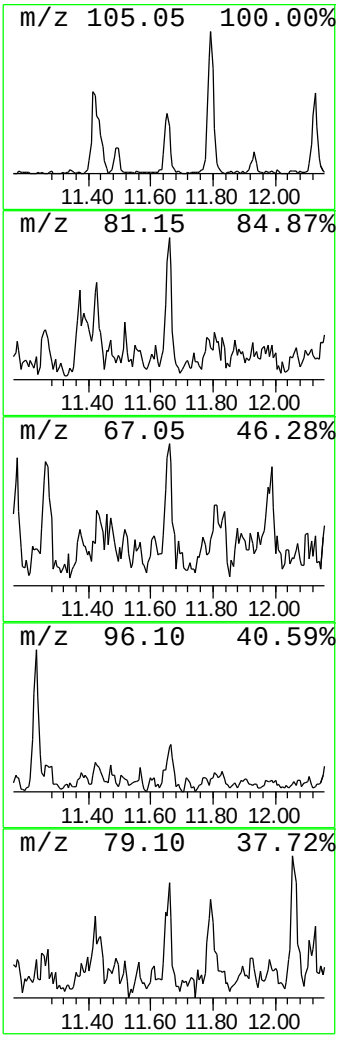
Peak Number 14 Pentalene, octahydro-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	0.59 ug/L	78636	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	68
2	Cyclohexene, 3-nonyl-	208	C15H28	015232-79-8	59
3	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	53
4	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	52
5	Cyclohexene, 3-octyl-	194	C14H26	015232-94-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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

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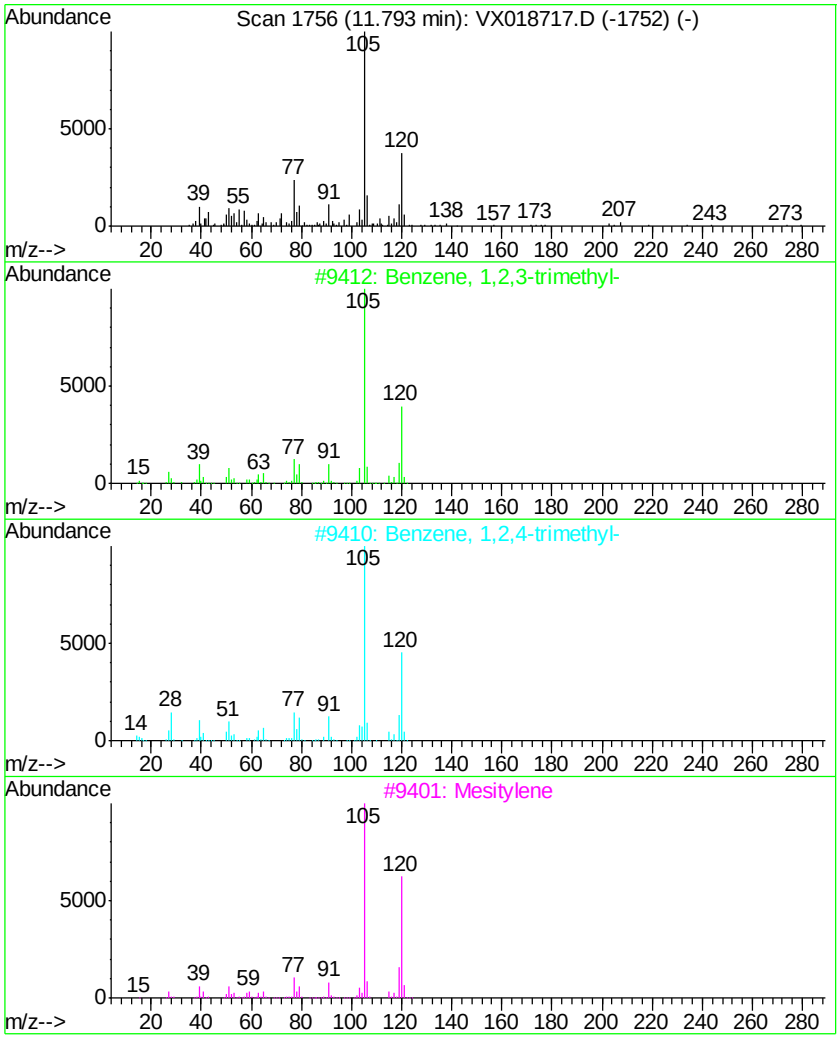
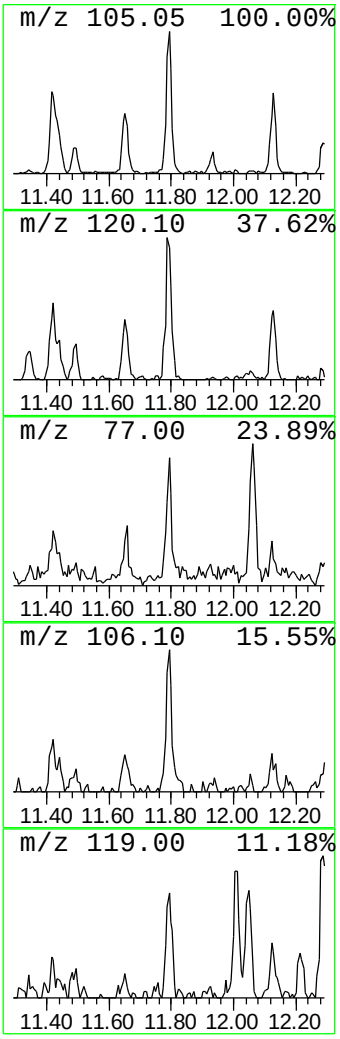
Peak Number 15 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	0.67 ug/L	88631	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	90
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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

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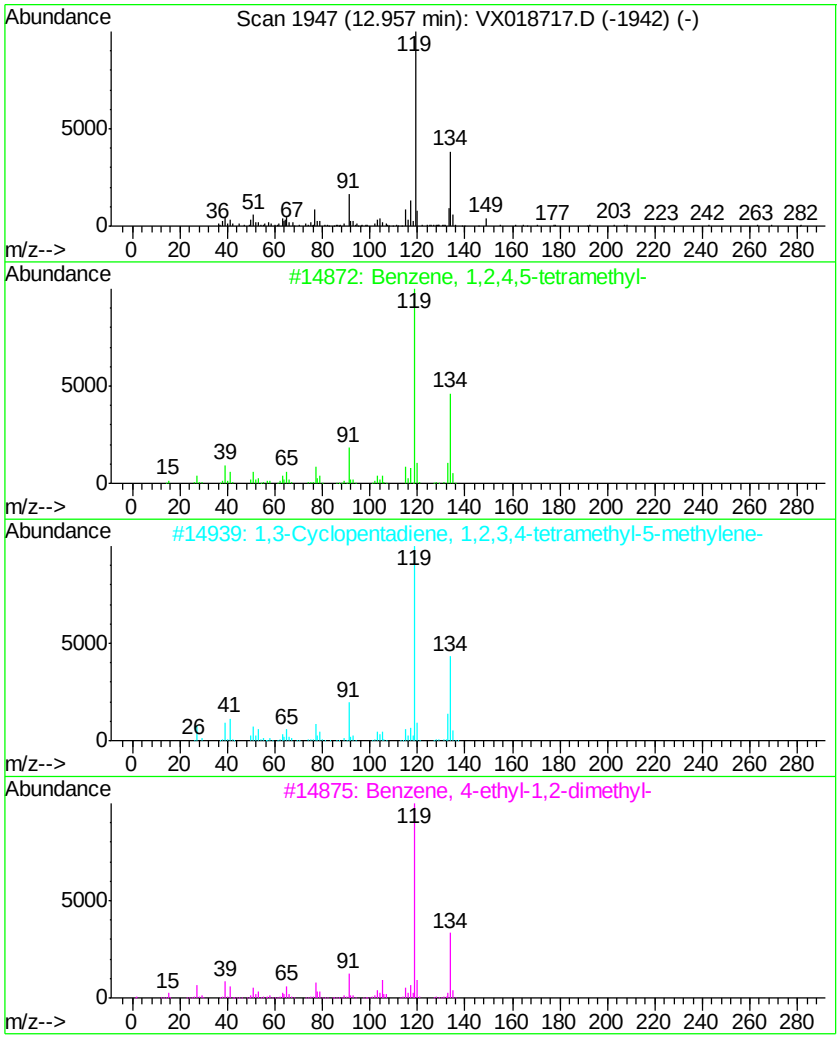
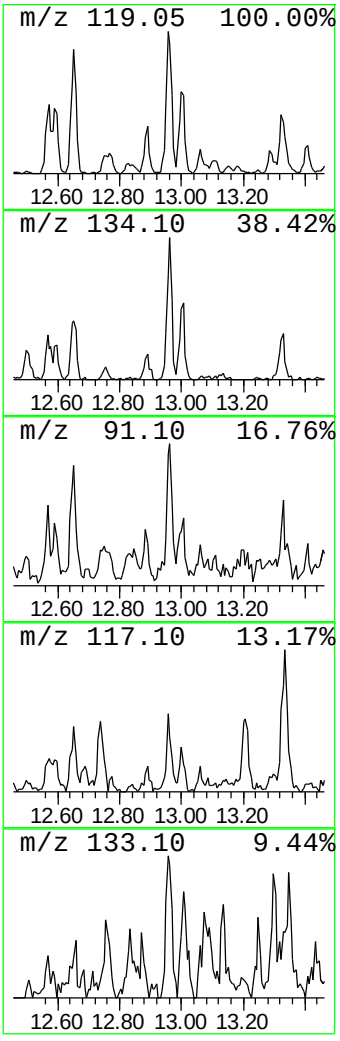
Peak Number 16 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	0.53 ug/L	70331	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

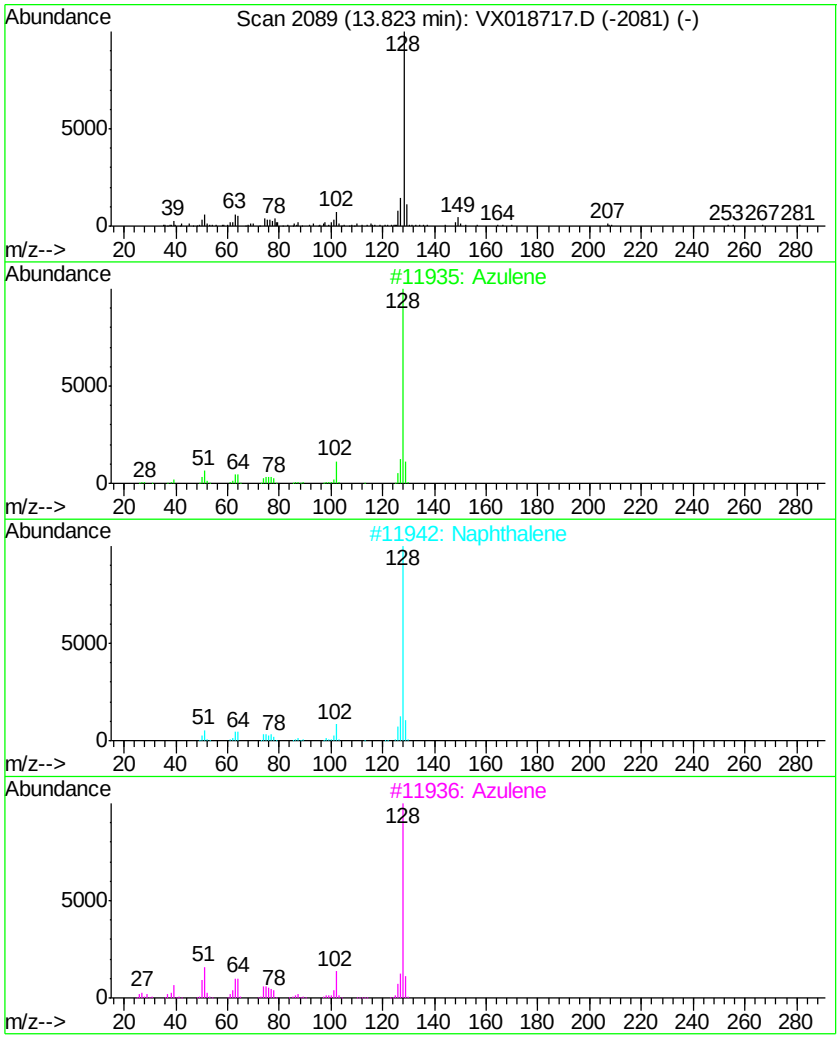
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

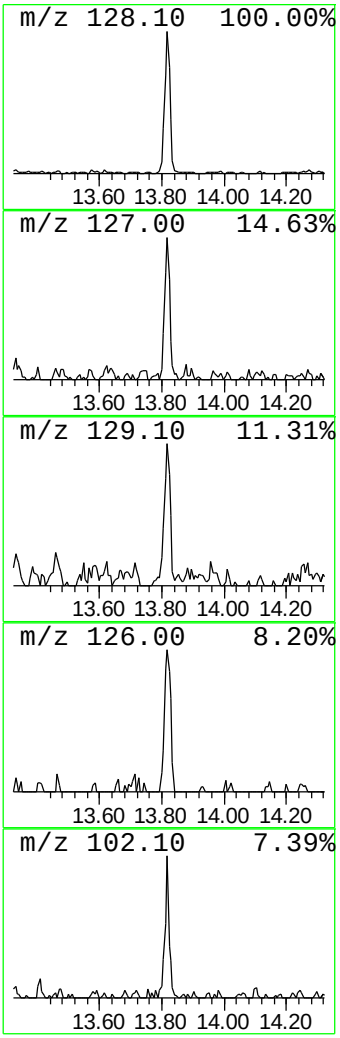
****

Peak Number 17 Azulene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	0.67 ug/L	89305	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	90
2	Naphthalene	128	C10H8	000091-20-3	90
3	Azulene	128	C10H8	000275-51-4	87
4	Azulene	128	C10H8	000275-51-4	87
5	Naphthalene	128	C10H8	000091-20-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093020\
Data File : VX018717.D
Acq On : 30 Sep 2020 23:15
Operator : JC/SP
Sample : L4171-11
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.16	1.1	ug/L	115495	1	6.83	529647	5.0
Acetaldehyde	1.48	0.7	ug/L	69893	1	6.83	529647	5.0
(DEL) Alkane: Str...	2.82	0.6	ug/L	60259	1	6.83	529647	5.0
(DEL) Alkane: Str...	2.87	3.0	ug/L	318090	1	6.83	529647	5.0
(DEL) Alkane: Str...	3.15	6.5	ug/L	685706	1	6.83	529647	5.0
(DEL) Alkane: Str...	3.50	5.8	ug/L	613701	1	6.83	529647	5.0
(DEL) Alkane: Cyc...	4.37	4.2	ug/L	449177	1	6.83	529647	5.0
1-Ethyl-3-methylc...	10.63	0.7	ug/L	82484	2	10.10	637440	5.0
Oxirane, decyl-	10.81	0.8	ug/L	104271	2	10.10	637440	5.0
Cyclopentane, 1-m...	10.90	1.0	ug/L	130925	2	10.10	637440	5.0
Benzene, 1-ethyl-...	11.42	0.5	ug/L	71170	3	12.06	663993	5.0
4-Heptanone, 2,6-...	11.61	1.0	ug/L	131238	3	12.06	663993	5.0
Pentalene, octahy...	11.66	0.6	ug/L	78636	3	12.06	663993	5.0
Benzene, 1,2,3-tr...	11.79	0.7	ug/L	88631	3	12.06	663993	5.0
Benzene, 1,2,4,5-...	12.96	0.5	ug/L	70331	3	12.06	663993	5.0
Azulene	13.82	0.7	ug/L	89305	3	12.06	663993	5.0