LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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	17	rVB2	84477	76072	9.32%	0.664%
2	1.240	21	25	29	rBV2	19474	19774	2.42%	0.173%
3	1.386	44	49	61	rBV2	141091	175281	21.48%	1.529%
4	1.477	61	64	69	rVV	39364	53165	6.52%	0.464%
5	1.697	96	100	108	rBV	86012	102459	12.56%	0.894%
6	1.935	136	139	143	rVB5	8667	10386	1.27%	0.091%
7	1.983	143	147	153	rVB9	6173	10535	1.29%	0.092%
8	2.343	200	206	215	rBV	204971	328764	40.29%	2.869%
9	2.435	215	221	229	rVB	16669	39327	4.82%	0.343%
10	2.556	235	241	244	rBV	11043	16721	2.05%	0.146%
11	2.825	279	285	287	rBV7	6631	11568	1.42%	0.101%
12	2.867	287	292	299	rVB	29965	61665	7.56%	0.538%
13	3.154	331	339	346	rBV	61131	138285	16.95%	1.207%
14	3.386	371	377	382	rBV9	5380	11667	1.43%	0.102%
15	3.501	388	396	408	rBV2	96740	215294	26.39%	1.879%
16	3.672	417	424	427	rBV4	7223	15379	1.88%	0.134%
17	4.105	491	495	504	rVB6	7485	20415	2.50%	0.178%
18	4.300	516	527	531	rBV6	12484	39079	4.79%	0.341%
19	4.373	531	539	550	rVB	59469	176921	21.68%	1.544%
20	4.544	554	567	579	rBV	99291	319381	39.14%	2.787%
21	5.141	653	665	680	rVB2	120129	386202	47.33%	3.370%
22	5.544	725	731	732	rBV6	7587	11456	1.40%	0.100%
23	6.044	801	813	828	rBV4	276813	815936	100.00%	7.119%
24	6.830	931	942	952	rBV2	208473	504605	61.84%	4.403%
25	7.367	1023	1030	1040	rBV2	164651	362397	44.41%	3.162%
26	7.635	1069	1074	1081	rBV4	9263	19461	2.39%	0.170%
27	8.373	1188	1195	1203	rBV	114702	187585	22.99%	1.637%
28	8.696	1241	1248	1254	rBV	441117	673874	82.59%	5.880%
29	8.763	1254	1259	1269	rVB	493639	754509	92.47%	6.583%
30	8.994	1291	1297	1304	rBV	83530	126288	15.48%	1.102%
31	9.348	1351	1355	1358	rBV5	6858	8796	1.08%	0.077%
32	9.427	1362	1368	1374	rBV	552253	764703	93.72%	6.672%
33	9.561	1386	1390	1394	rBV4	24450	33871	4.15%	0.296%
34	10.098	1472	1478	1491	rVB	431867	611350	74.93%	5.334%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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	10.238	1491	1501	1506	rBV	38147	65873	8.07%	0.575%
36	10.342	1510	1518	1524	rVV2	88238	162210	19.88%	1.415%
37	10.397	1524	1527	1537	rVB3	35894	58792	7.21%	0.513%
38	10.494	1539	1543	1547	rBV7	6851	10673	1.31%	0.093%
39	10.622	1557	1564	1568	rBV4	45207	86961	10.66%	0.759%
40	10.683	1568	1574	1578	rVV	65789	107288	13.15%	0.936%
41	10.720	1578	1580	1588	rVB2	18578	27811	3.41%	0.243%
42	10.811	1588	1595	1600	rBV4	47981	104041	12.75%	0.908%
43	10.896	1600	1609	1619	rBV4	76171	143002	17.53%	1.248%
44	10.988	1620	1624	1629	rVB7	8354	13685	1.68%	0.119%
45	11.043	1629	1633	1636	rBV4	11856	18150	2.22%	0.158%
46	11.122	1642	1646	1648	rBV5	12262	14533	1.78%	0.127%
47	11.171	1650	1654	1657	rVB5	15642	19564	2.40%	0.171%
48	11.232	1659	1664	1668	rBV	190072	265271	32.51%	2.315%
49	11.341	1679	1682	1685	rBV	14433	17900	2.19%	0.156%
50	11.372	1685	1687	1691	rVV5	12403	21910	2.69%	0.191%
51	11.421	1691	1695	1700	rVV2	46094	96231	11.79%	0.840%
52	11.470	1700	1703	1705	rVV3	35498	54320	6.66%	0.474%
53	11.512	1708	1710	1715	rVB5	41008	51326	6.29%	0.448%
54	11.567	1715	1719	1722	rBV6	12001	15005	1.84%	0.131%
55	11.610	1722	1726	1729	rBV	96521	112081	13.74%	0.978%
56	11.652	1729	1733	1740	rVB4	56506	96370	11.81%	0.841%
57	11.719	1740	1744	1747	rBV5	6724	9813	1.20%	0.086%
58	11.756	1747	1750	1752	rBV4	6744	9210	1.13%	0.080%
59	11.793	1752	1756	1762	rBV	73744	104129	12.76%	0.909%
60	11.872	1766	1769	1770	rBV3	10901	11795	1.45%	0.103%
61	11.927	1776	1778	1782	rVB5	10168	10339	1.27%	0.090%
62	11.982	1782	1787	1790	rVV3	26715	43016	5.27%	0.375%
63	12.012	1790	1792	1795	rVB4	13952	12731	1.56%	0.111%
64	12.061	1795	1800	1806	rBV	510344	630258	77.24%	5.499%
65	12.128	1806	1811	1814	rVV	25709	31188	3.82%	0.272%
66	12.171	1814	1818	1821	rVB6	6822	11141	1.37%	0.097%
67	12.280	1833	1836	1838	rVV3	30225	38703	4.74%	0.338%
68	12.305	1838	1840	1844	rVV2	38194	46744	5.73%	0.408%
69	12.360	1844	1849	1858	rVB	615852	815702	99.97%	7.117%
70	12.439	1858	1862	1863	rBV4	10947	13273	1.63%	0.116%
71	12.500	1867	1872	1877	rVB	28478	43619	5.35%	0.381%

LSC Area Percent Report

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Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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	12.567	1878	1883	1885	rBV	36535	45644	5.59%	0.398%
73	12.597	1885	1888	1893	rVV2	33613	45699	5.60%	0.399%
74	12.652	1893	1897	1901	rVB	65007	76091	9.33%	0.664%
75	12.756	1908	1914	1920	rBV7	18567	44809	5.49%	0.391%
76	12.890	1932	1936	1941	rVB2	56795	70691	8.66%	0.617%
77	12.963	1941	1948	1951	rBV	71624	93892	11.51%	0.819%
78	13.000	1951	1954	1961	rVB	42627	55910	6.85%	0.488%
79	13.061	1961	1964	1966	rBV3	10528	13278	1.63%	0.116%
80	13.140	1974	1977	1981	rVB5	7466	12256	1.50%	0.107%
81	13.207	1981	1988	1993	rBV5	17654	35093	4.30%	0.306%
82	13.292	1998	2002	2004	rVV2	14850	21436	2.63%	0.187%
83	13.329	2004	2008	2014	rVV2	50749	77486	9.50%	0.676%
84	13.408	2018	2021	2024	rVV	11864	13219	1.62%	0.115%
85	13.463	2024	2030	2034	rVB7	13374	27518	3.37%	0.240%
86	13.622	2051	2056	2062	rVB4	26579	48109	5.90%	0.420%
87	13.725	2067	2073	2076	rBV6	16769	26946	3.30%	0.235%
88	13.817	2081	2088	2094	rBV	49339	79244	9.71%	0.691%
89	13.969	2107	2113	2116	rBV8	6629	13518	1.66%	0.118%
90	14.006	2116	2119	2123	rVB5	7000	11696	1.43%	0.102%
91	14.073	2127	2130	2133	rVB5	6448	8574	1.05%	0.075%
92	14.262	2157	2161	2166	rVB7	9197	15698	1.92%	0.137%
93	14.359	2172	2177	2180	rBV7	5761	10630	1.30%	0.093%
94	14.487	2192	2198	2199	rVV6	5819	8639	1.06%	0.075%
95	14.518	2201	2203	2210	rVB8	6354	9678	1.19%	0.084%
96	14.676	2222	2229	2233	rBV3	22148	40799	5.00%	0.356%
97	14.823	2249	2253	2256	rVB3	10839	12881	1.58%	0.112%
98	15.426	2346	2352	2355	rBV6	6172	10247	1.26%	0.089%
99	15.524	2364	2368	2374	rVB3	9731	13240	1.62%	0.116%
100	15.664	2387	2391	2396	rBV5	12615	20050	2.46%	0.175%

Sum of corrected areas: 11460800

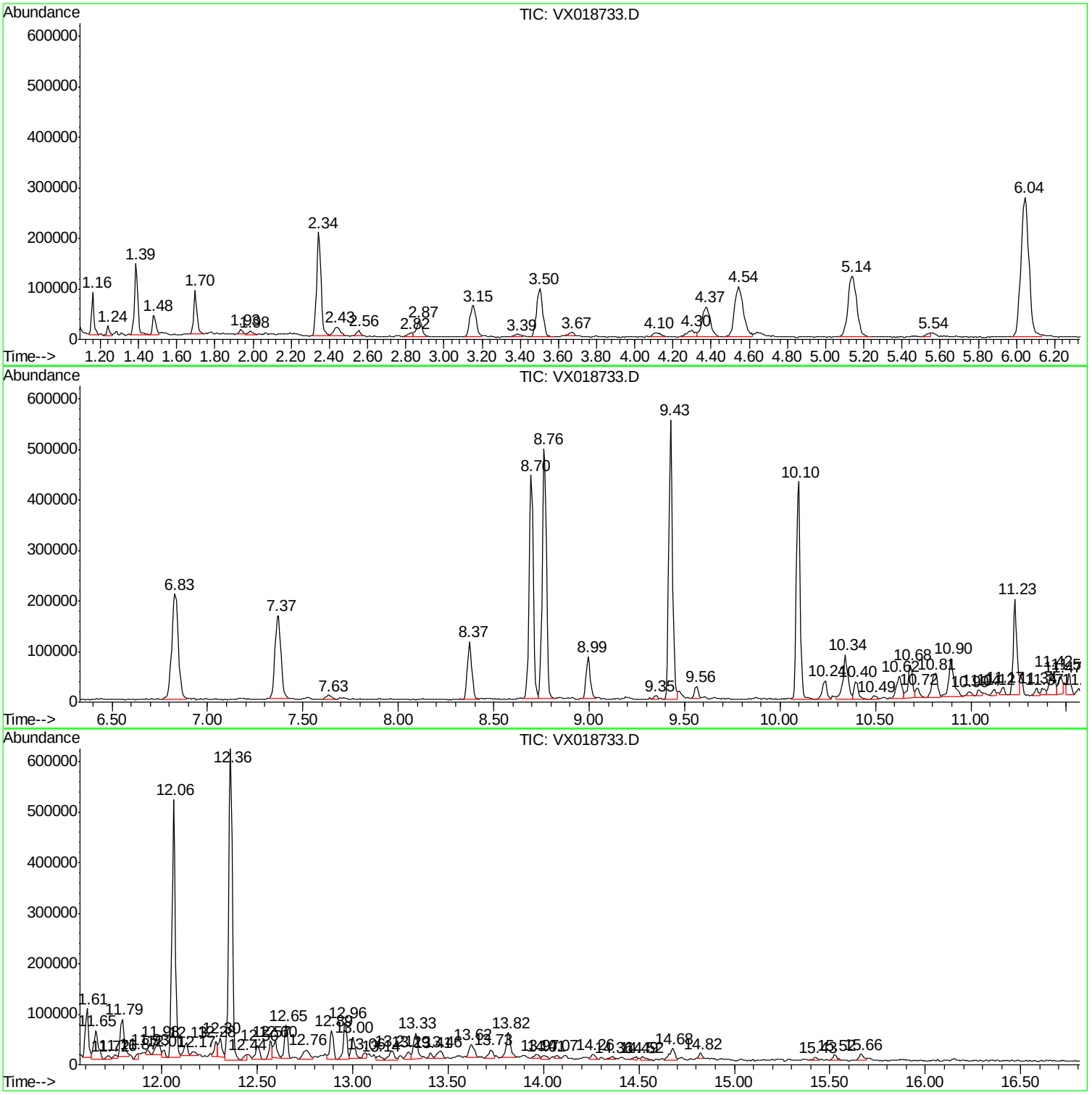
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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

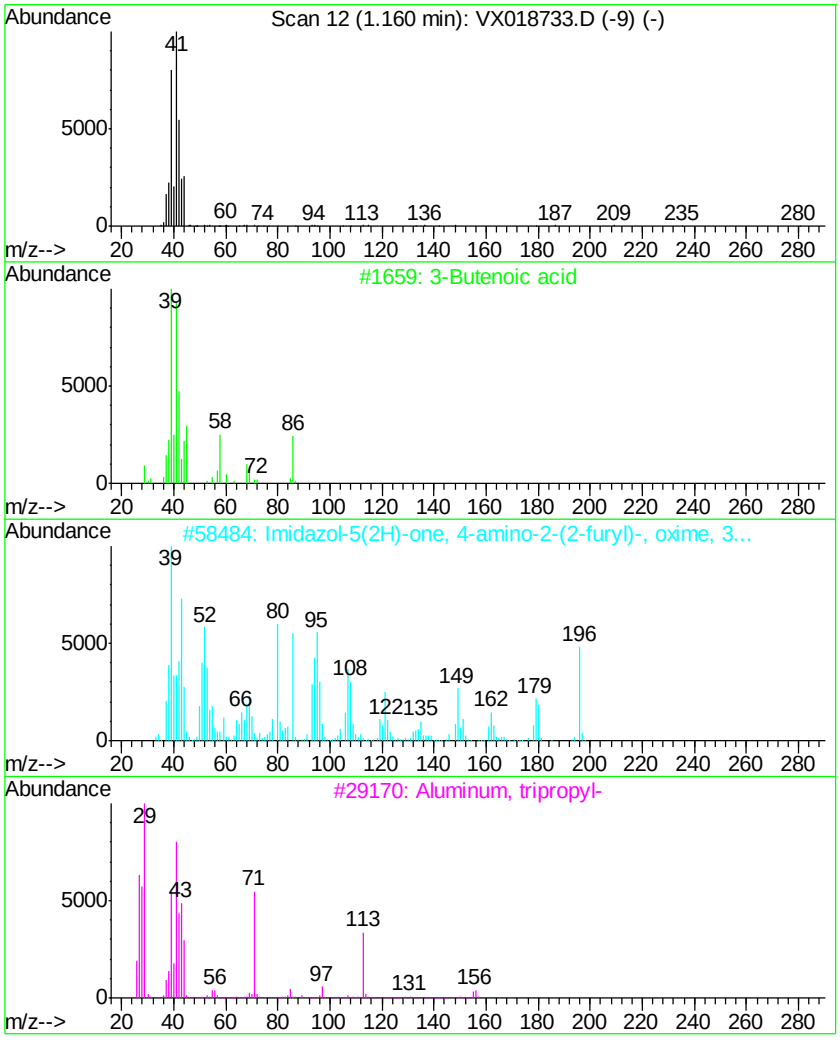
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

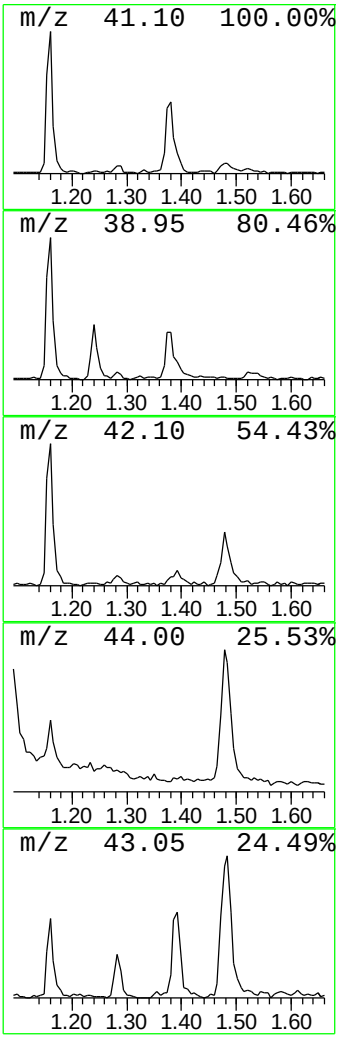
****

Peak Number 1 3-Butenoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.16	0.75 ug/L	76072	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid	86	C4H6O2	000625-38-7	83
2	Imidazol-5(2H)-one, 4-amino-2-(2...	196	C7H8N4O3	318259-17-5	72
3	Aluminum, tripropyl-	156	C9H21Al	000102-67-0	64
4	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	64
5	Acetamide, 2-chloro-N,N-di-2-pro...	173	C8H12ClNO	000093-71-0	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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

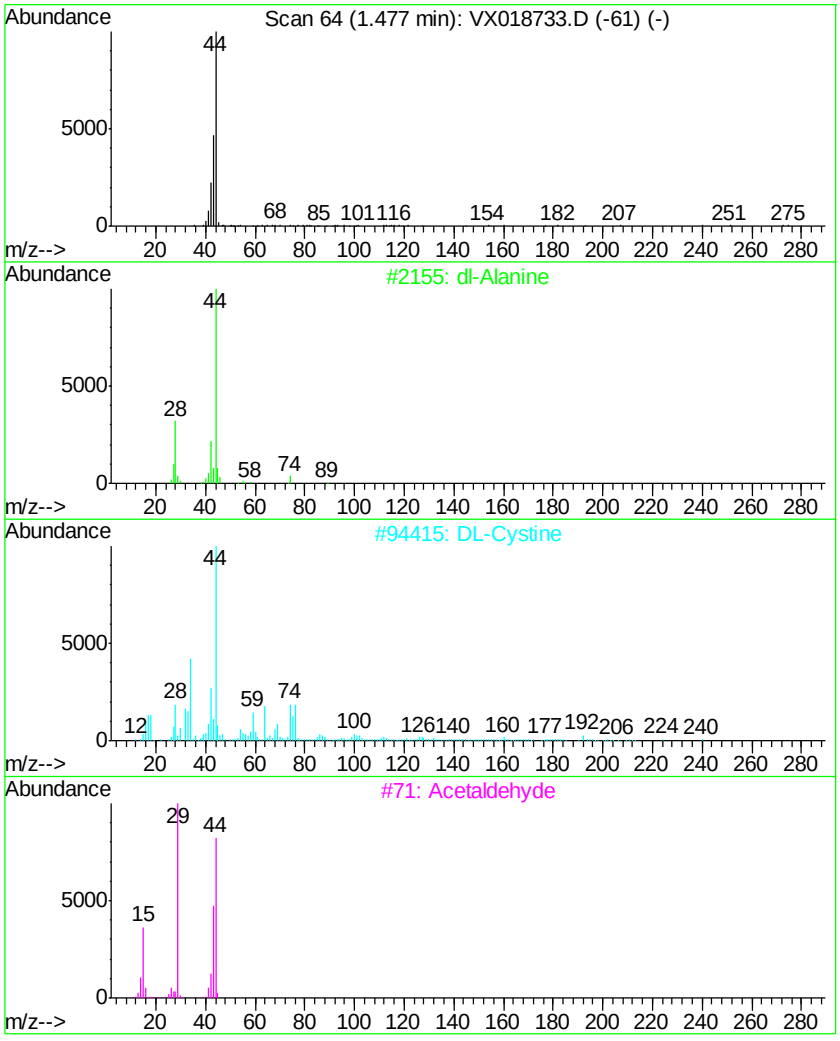
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

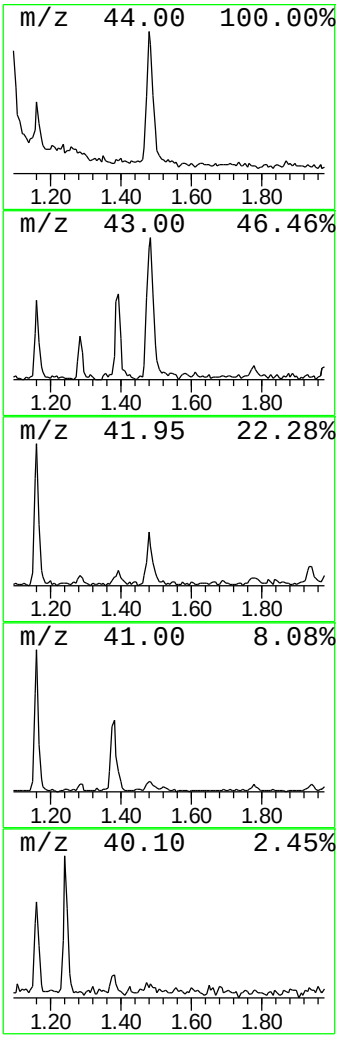
****

Peak Number 2 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	0.53 ug/L	53165	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-Alanine	89	C3H7NO2	000302-72-7	9
2	DL-Cystine	240	C6H12N2O4S2	000923-32-0	7
3	Acetaldehyde	44	C2H4O	000075-07-0	7
4	dl-Alanine	89	C3H7NO2	000302-72-7	7
5	1,2-Propanediamine	74	C3H10N2	000078-90-0	7





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

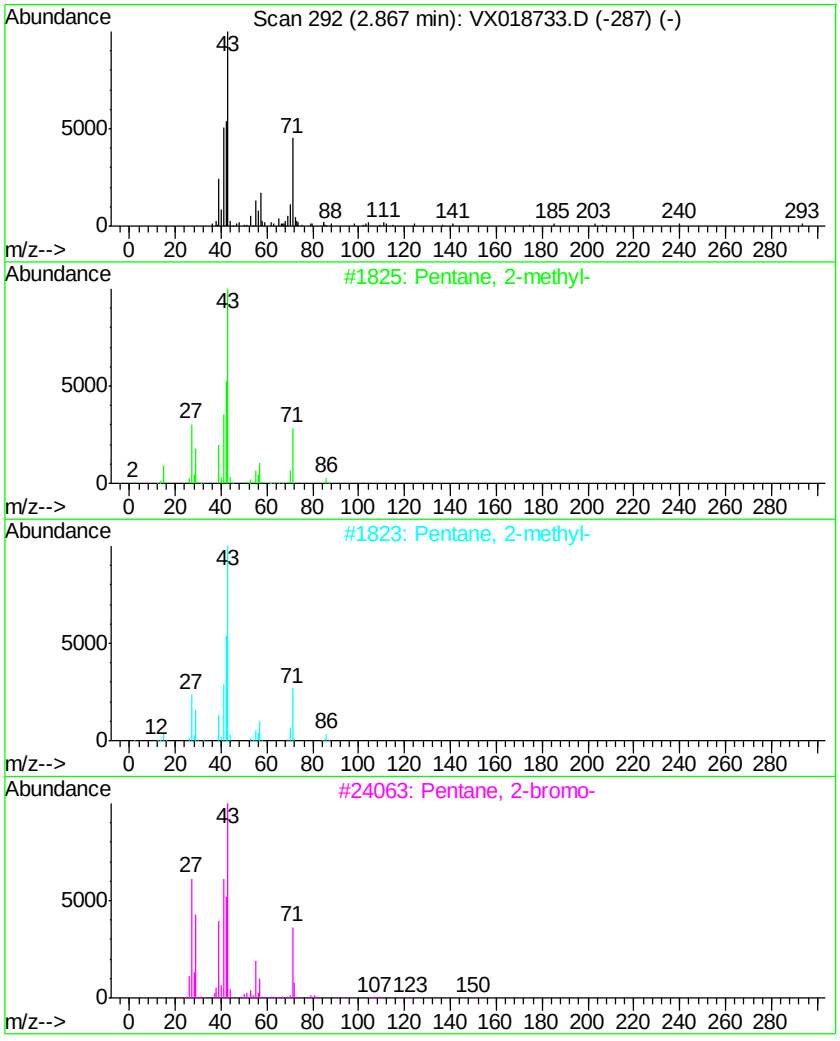
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

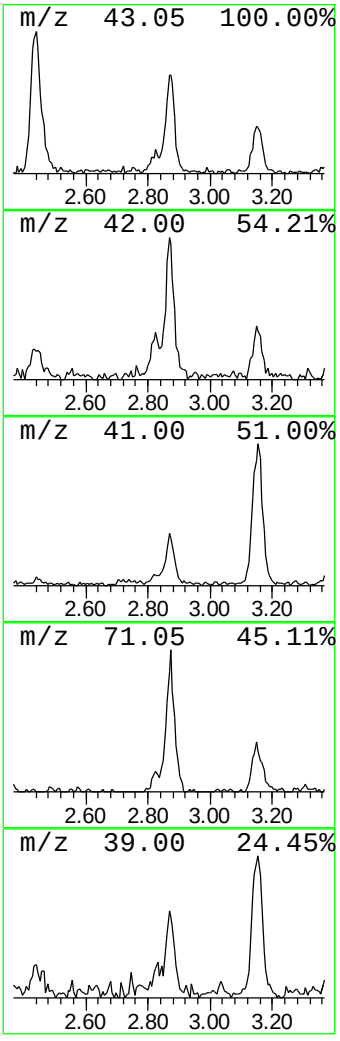
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.87	0.61 ug/L	61665	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	56
3	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	38
4	Pentane	72	C5H12	000109-66-0	35
5	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

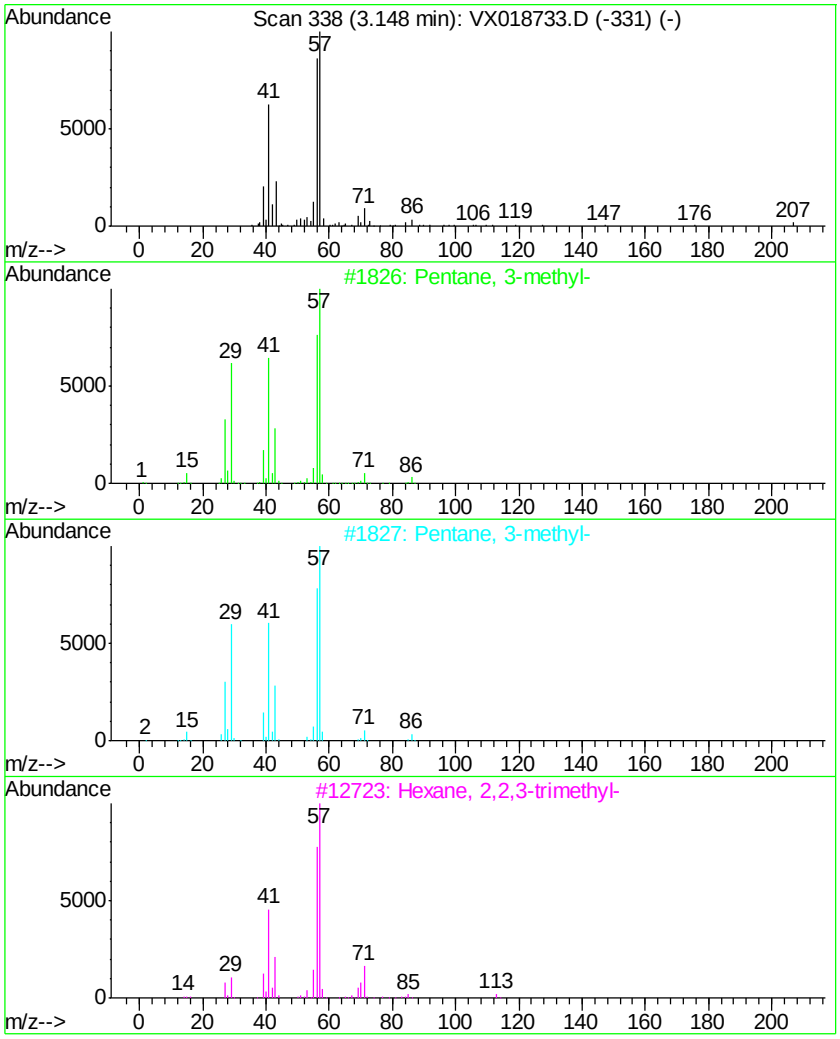
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

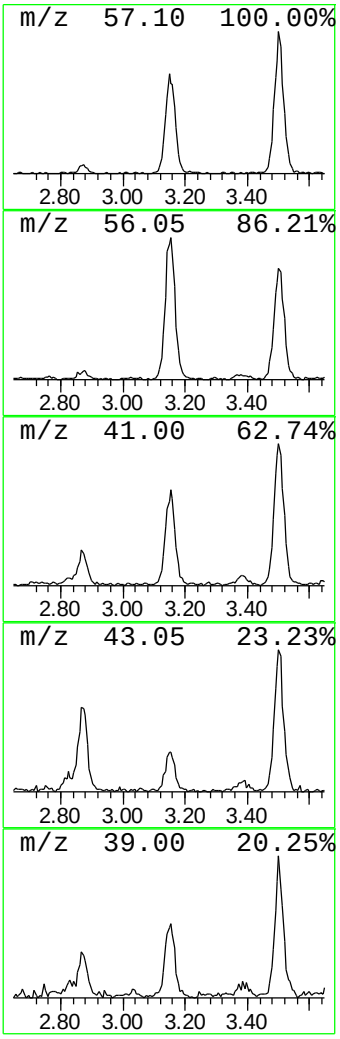
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	1.37 ug/L	138285	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	78
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	64
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
5	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

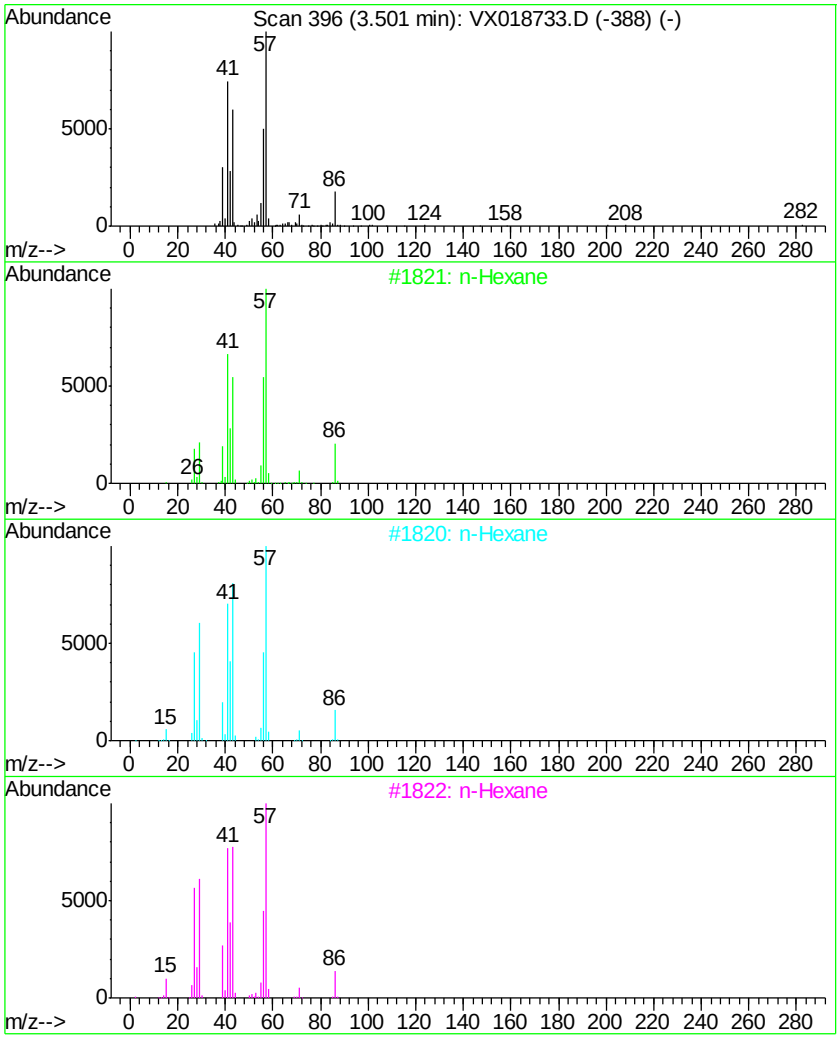
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

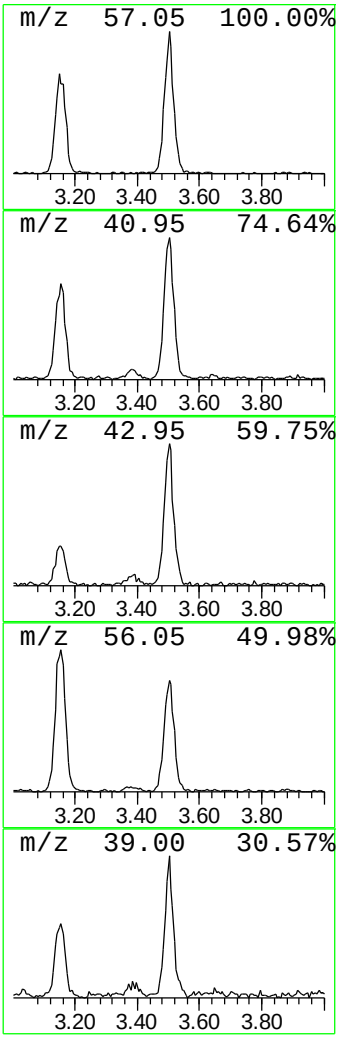
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	2.13 ug/L	215294	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	53
3	n-Hexane	86	C6H14	000110-54-3	53
4	Azetidine	57	C3H7N	000503-29-7	43
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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

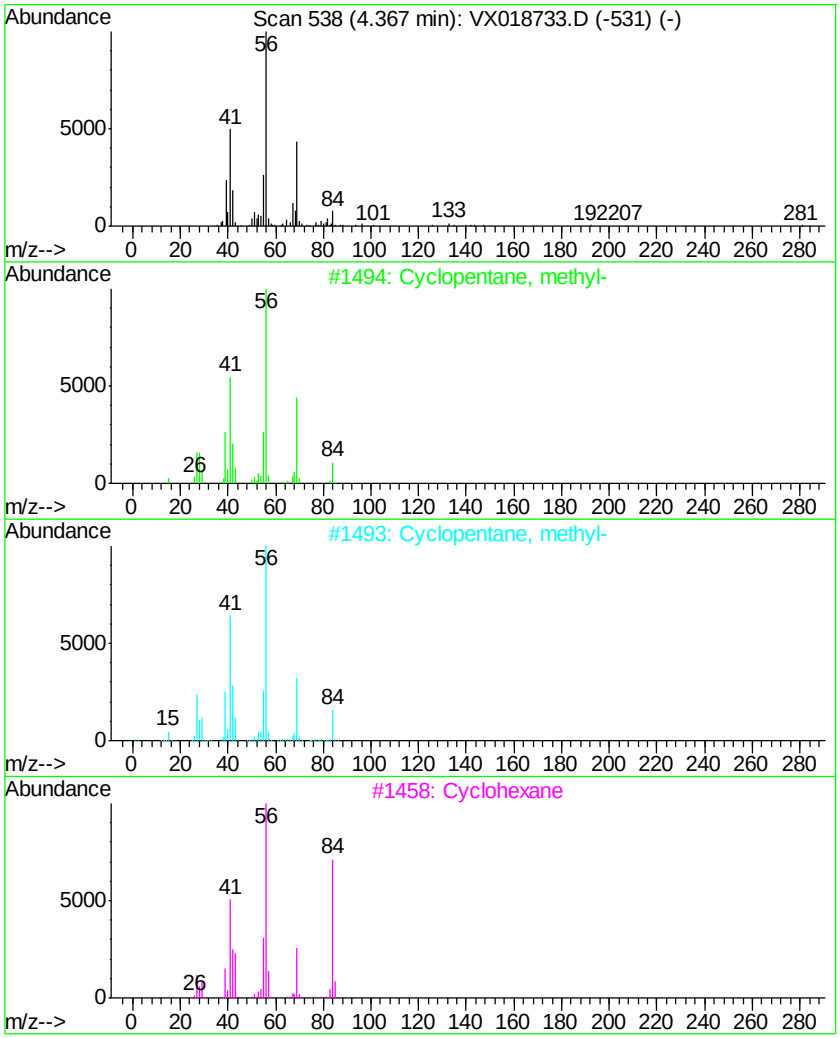
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

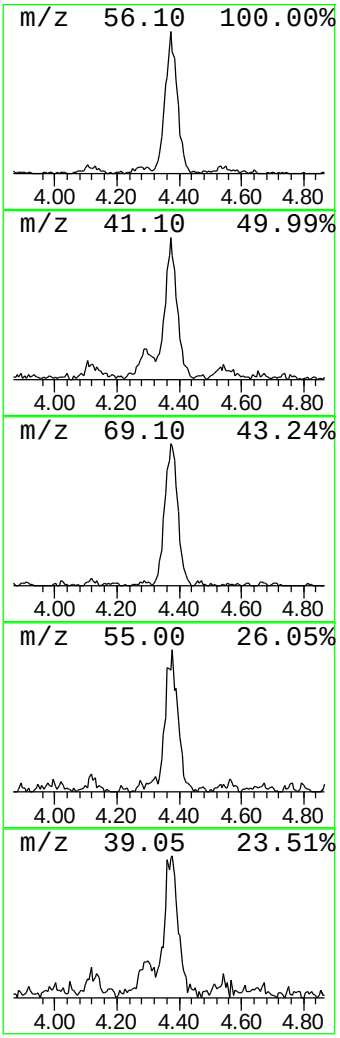
****

Peak Number 6 (DEL) Alkane: Cyclic4.37 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	1.75 ug/L	176921	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	80
3	Cyclohexane	84	C6H12	000110-82-7	72
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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

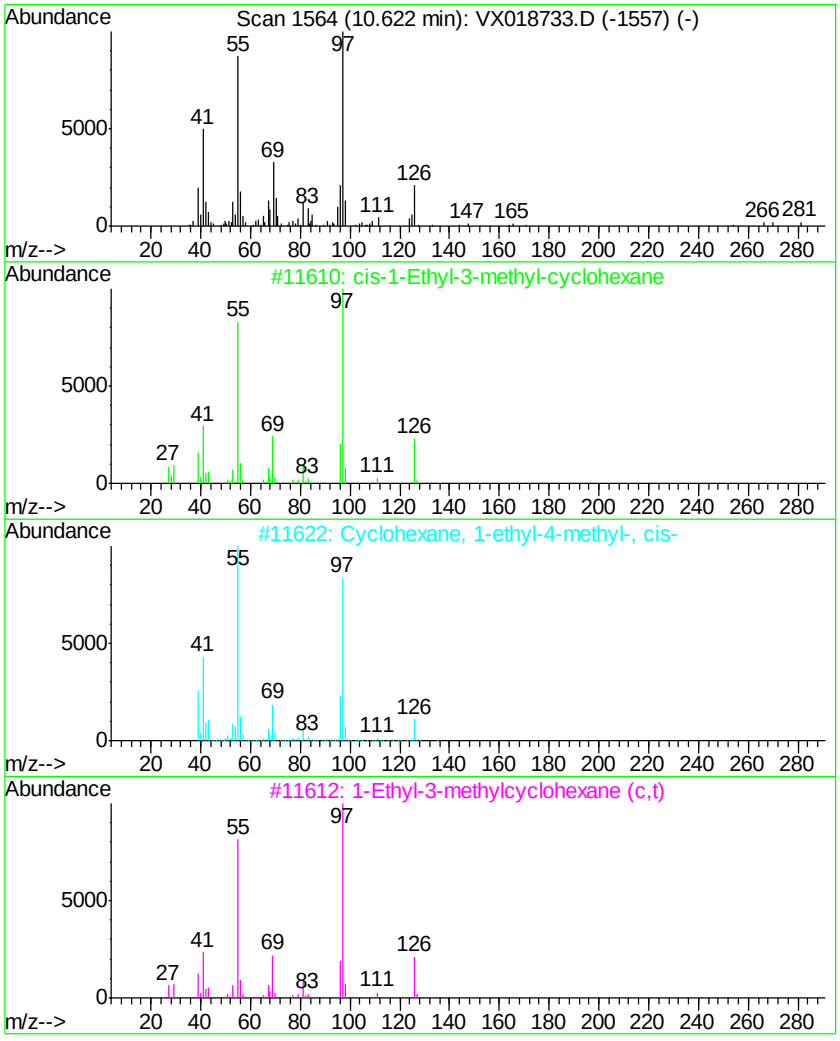
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

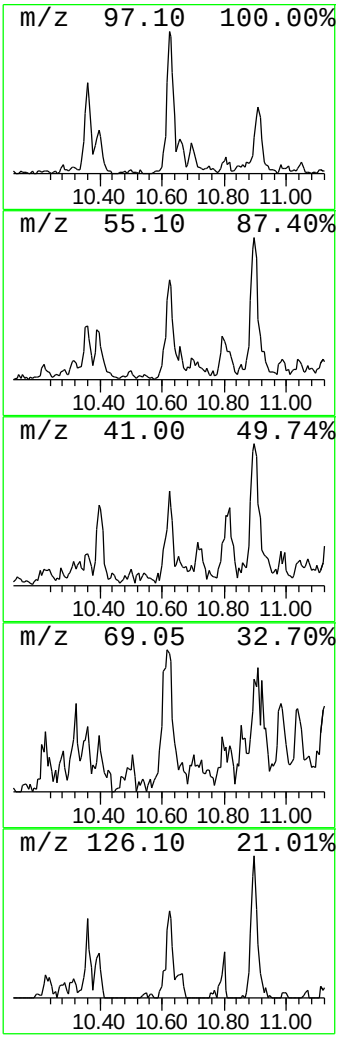
****

Peak Number 8 (DEL) Alkane: Cyclic10.62 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	0.71 ug/L	86961	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	87
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	87
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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

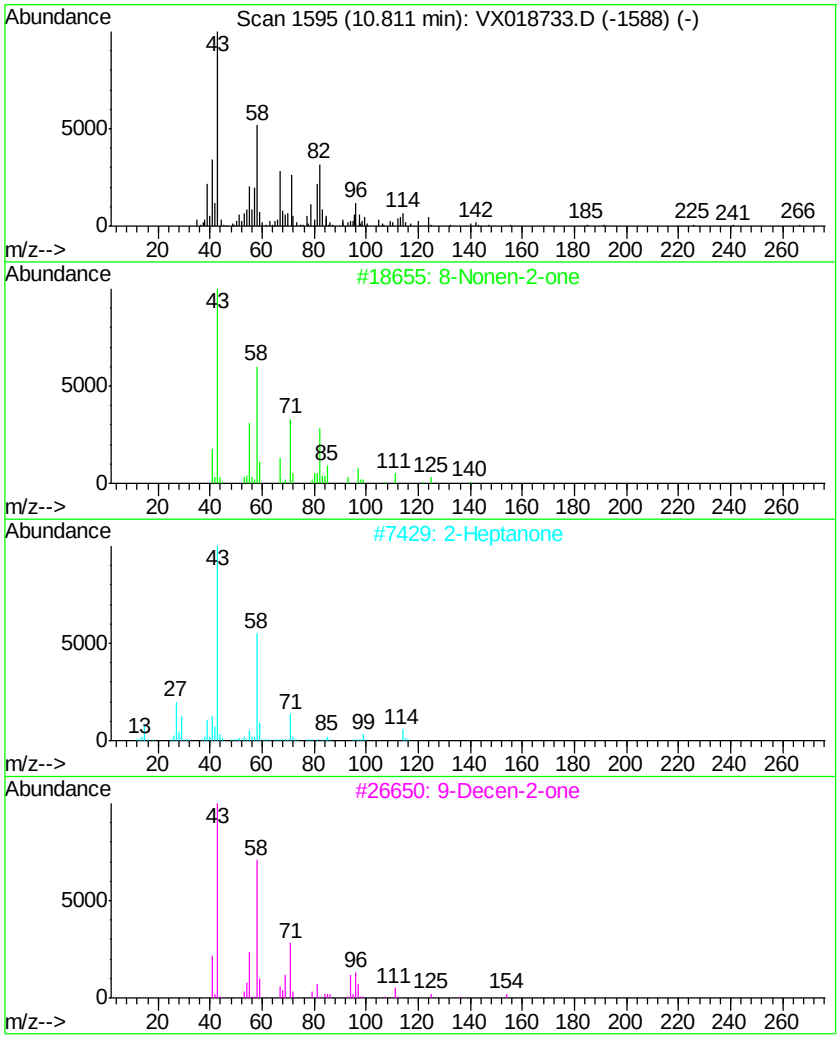
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

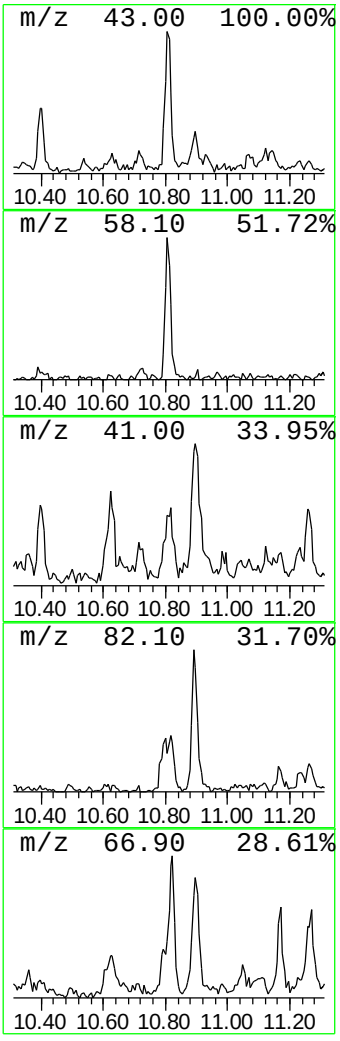
****

Peak Number 9 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	0.85 ug/L	104041	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Nonen-2-one	140	C9H16O	005009-32-5	46
2	2-Heptanone	114	C7H14O	000110-43-0	38
3	9-Decen-2-one	154	C10H18O	035194-30-0	37
4	2-Heptanone	114	C7H14O	000110-43-0	27
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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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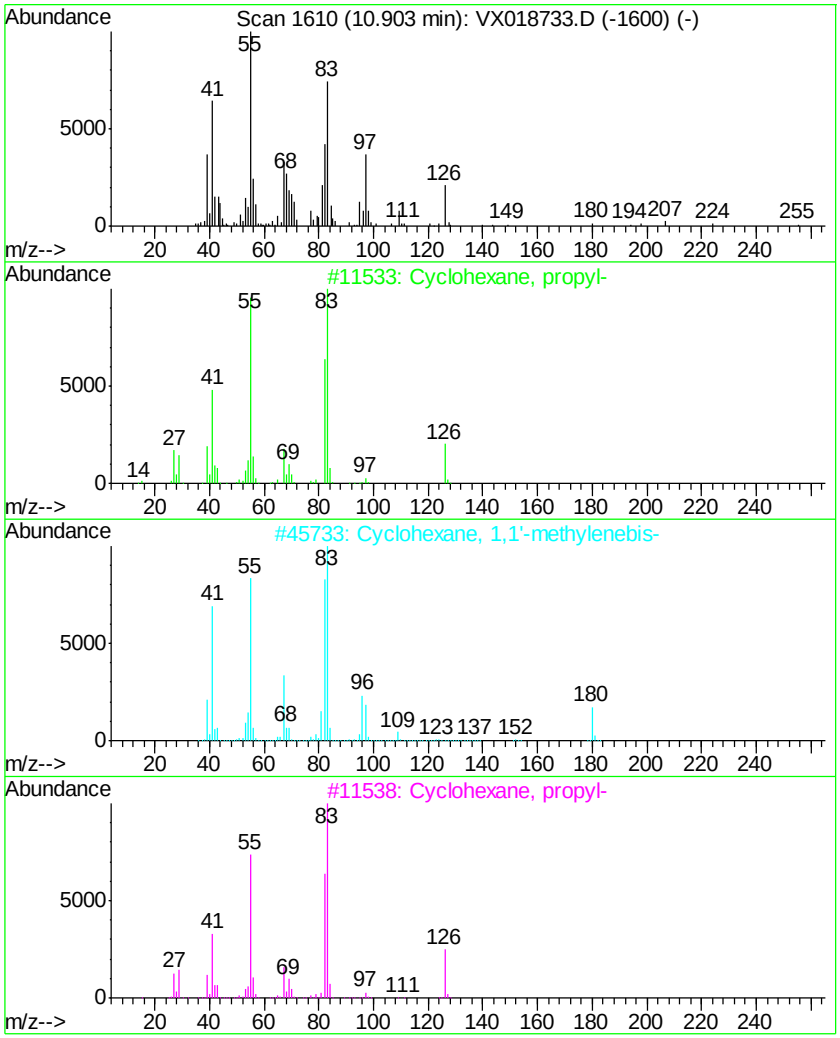
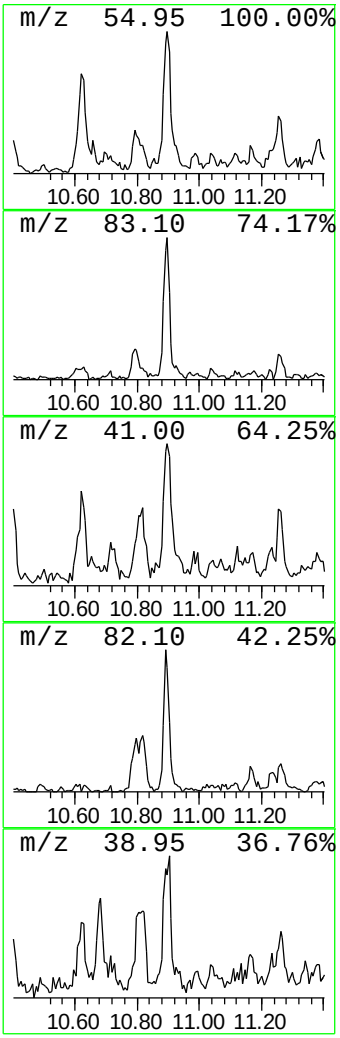
Peak Number 10 (DEL) Alkane: Cyclic10.90 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	1.17 ug/L	143002	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	68
2	Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	68
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	59
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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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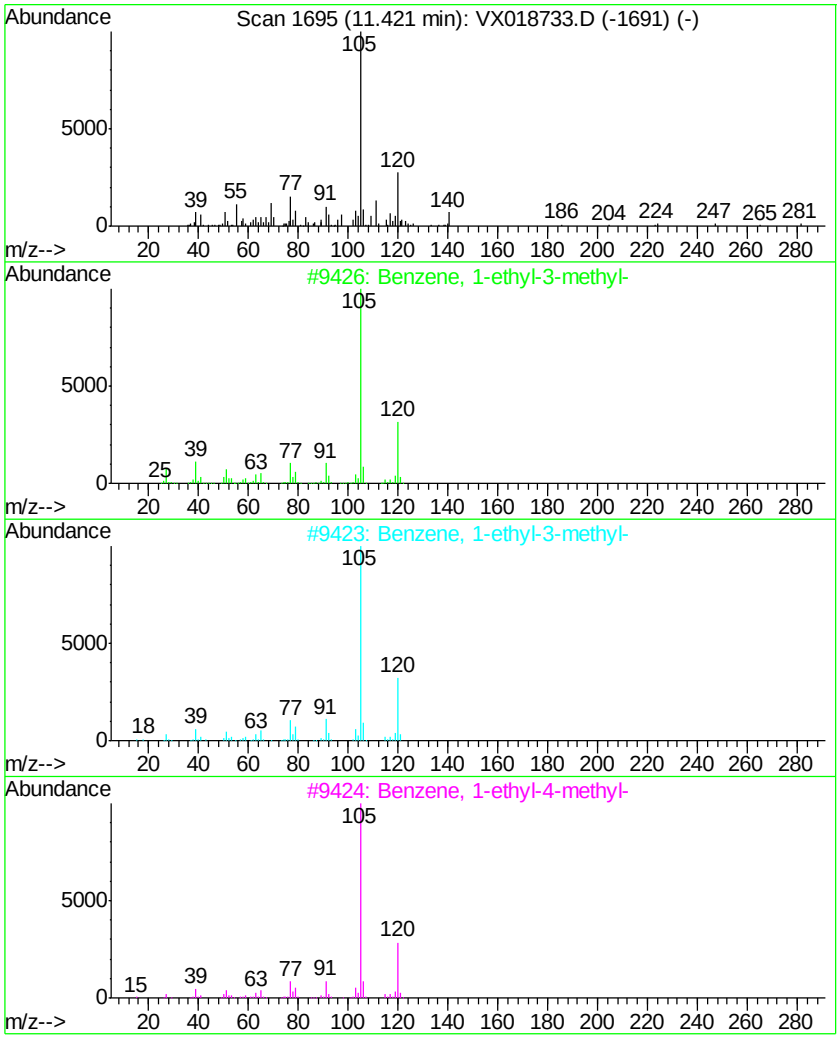
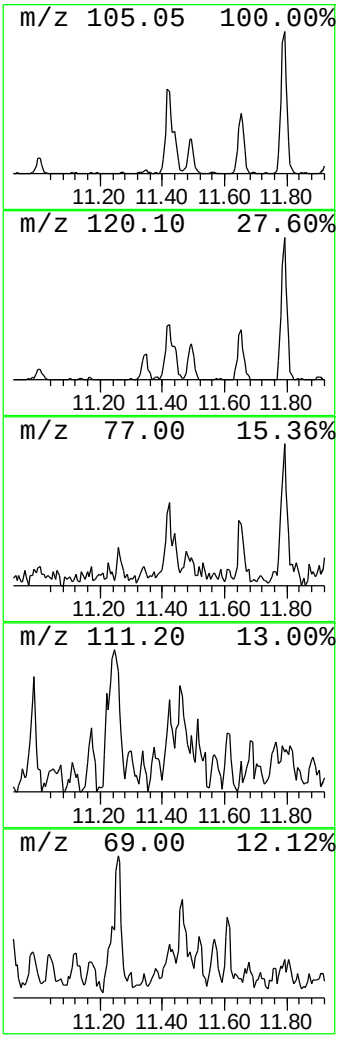
Peak Number 11 Benzene, 1-ethyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	0.76 ug/L	96231	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	64
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	58
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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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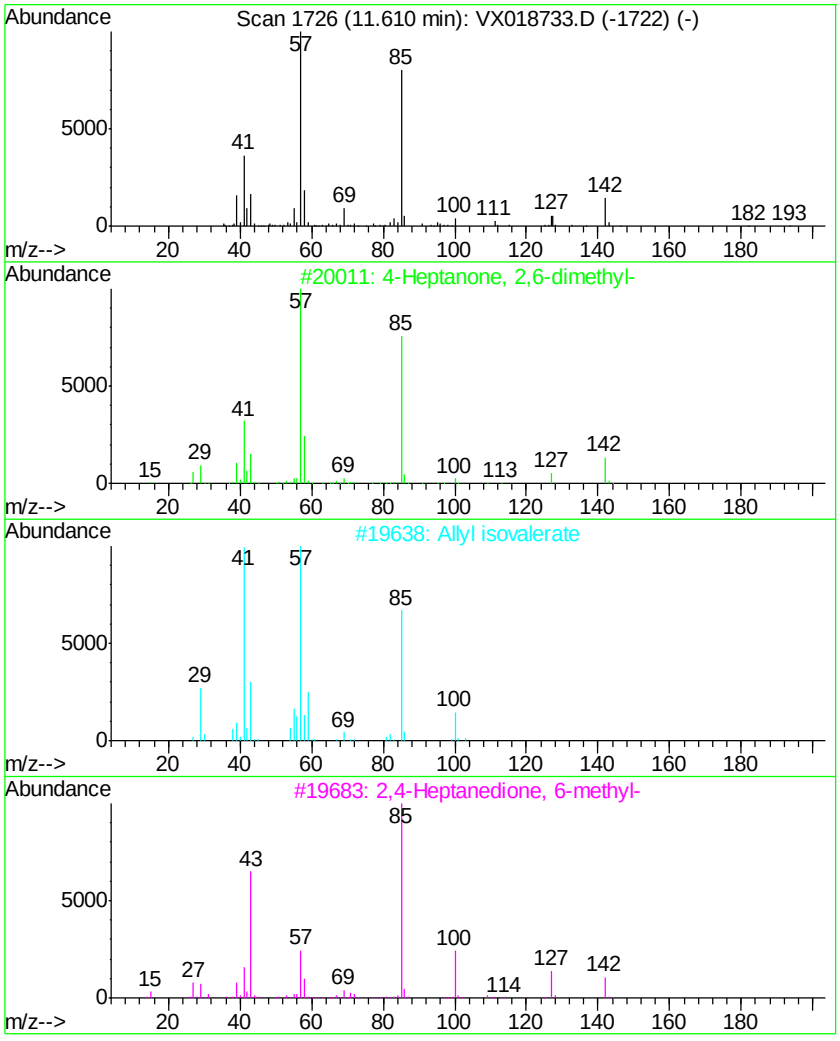
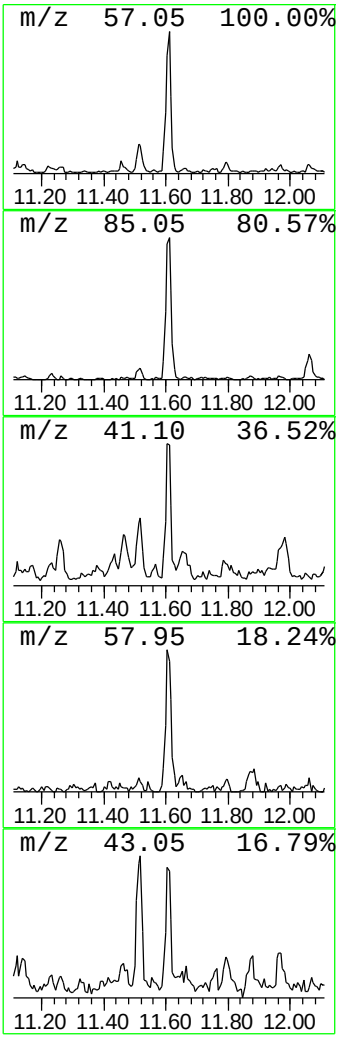
Peak Number 12 4-Heptanone, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	0.89 ug/L	112081	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	87
2	Allyl isovalerate	142	C8H14O2	002835-39-4	64
3	2,4-Heptanedione, 6-methyl-	142	C8H14O2	003002-23-1	64
4	5-Nonanone	142	C9H18O	000502-56-7	59
5	5-Nonanone	142	C9H18O	000502-56-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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

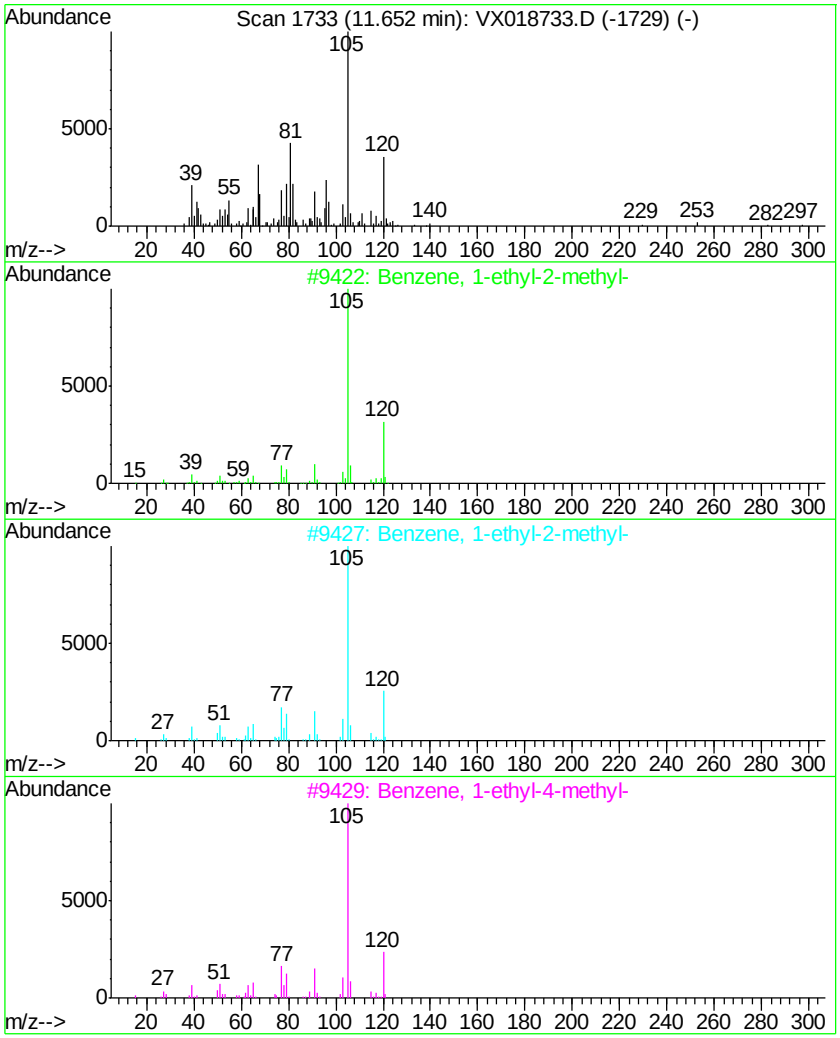
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

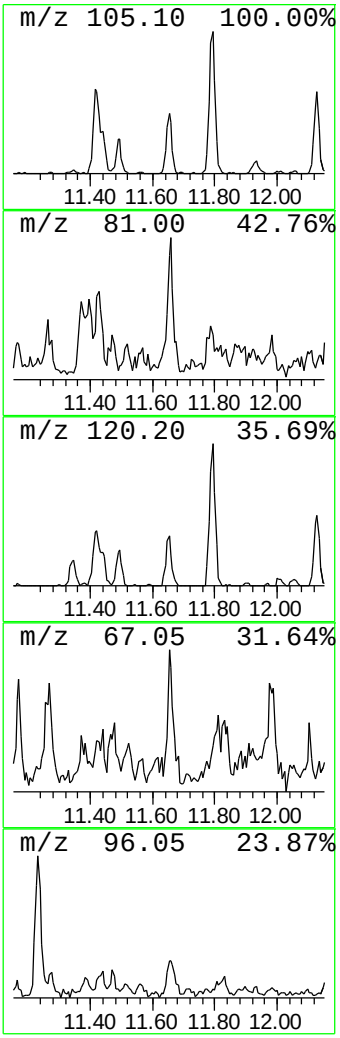
****

Peak Number 13 unknown-03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	0.76 ug/L	96370	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	38
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	38
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	38
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	38
5	2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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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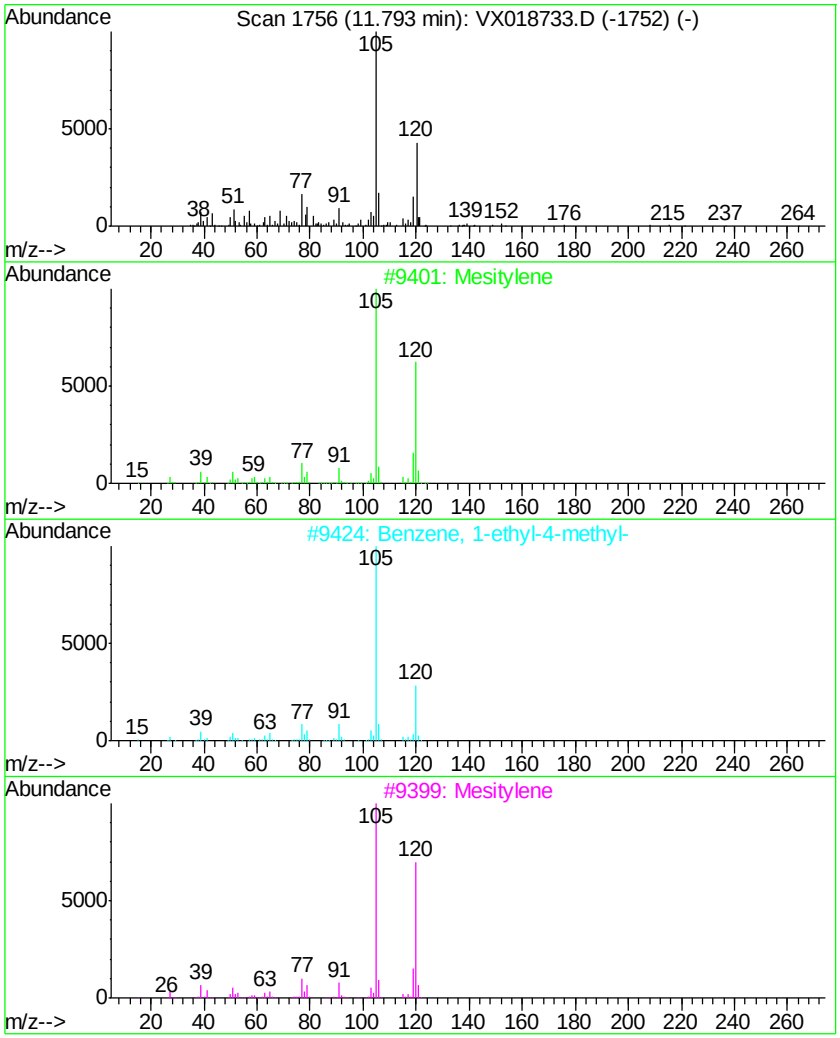
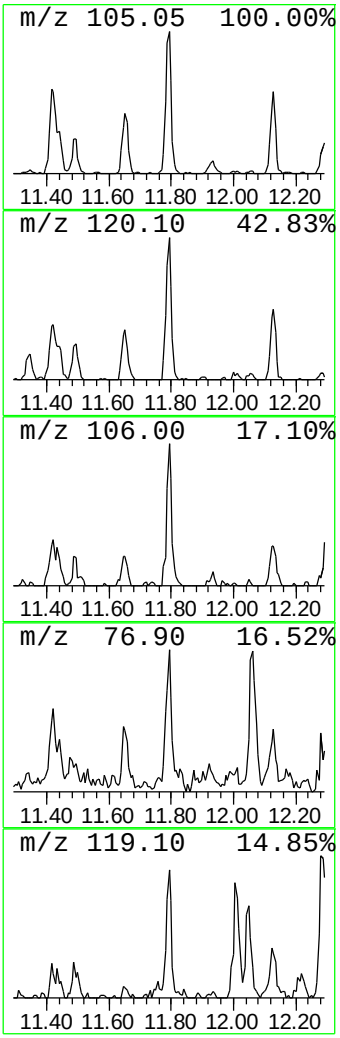
Peak Number 14 Mesitylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	0.83 ug/L	104129	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	91
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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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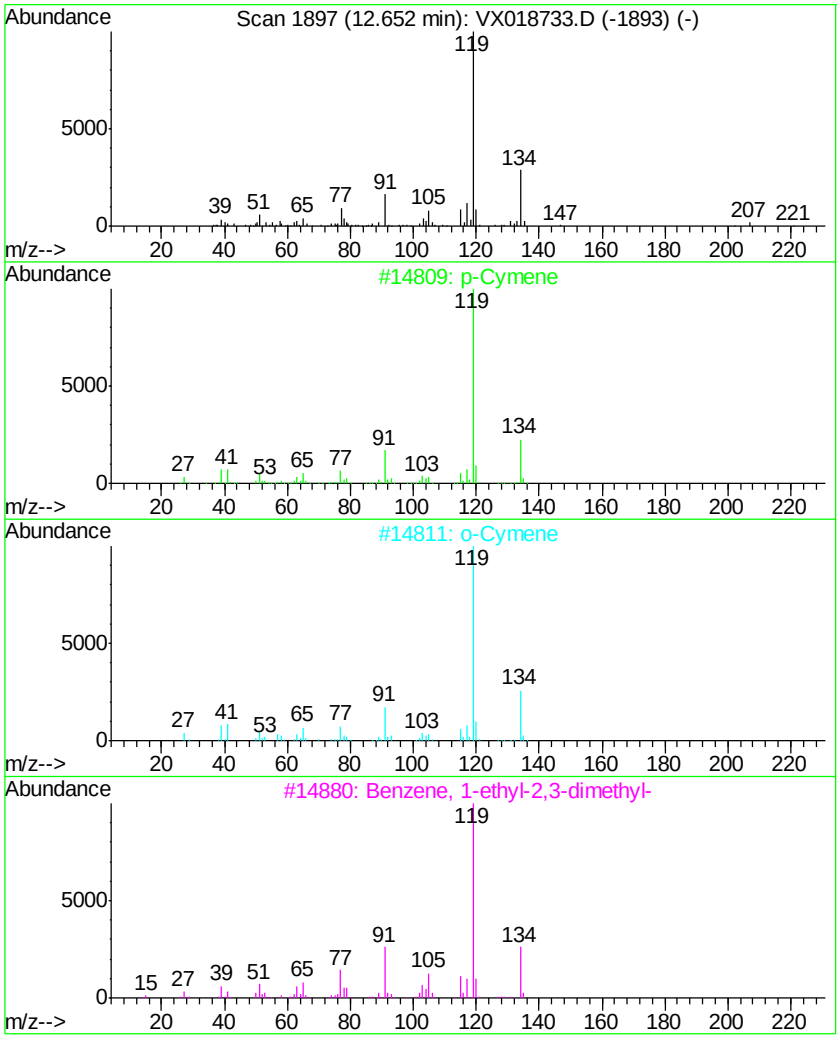
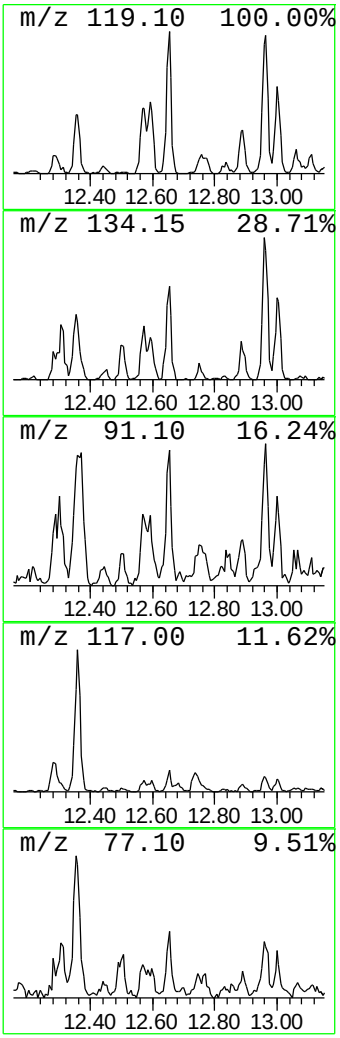
Peak Number 15 p-Cymene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	0.60 ug/L	76091	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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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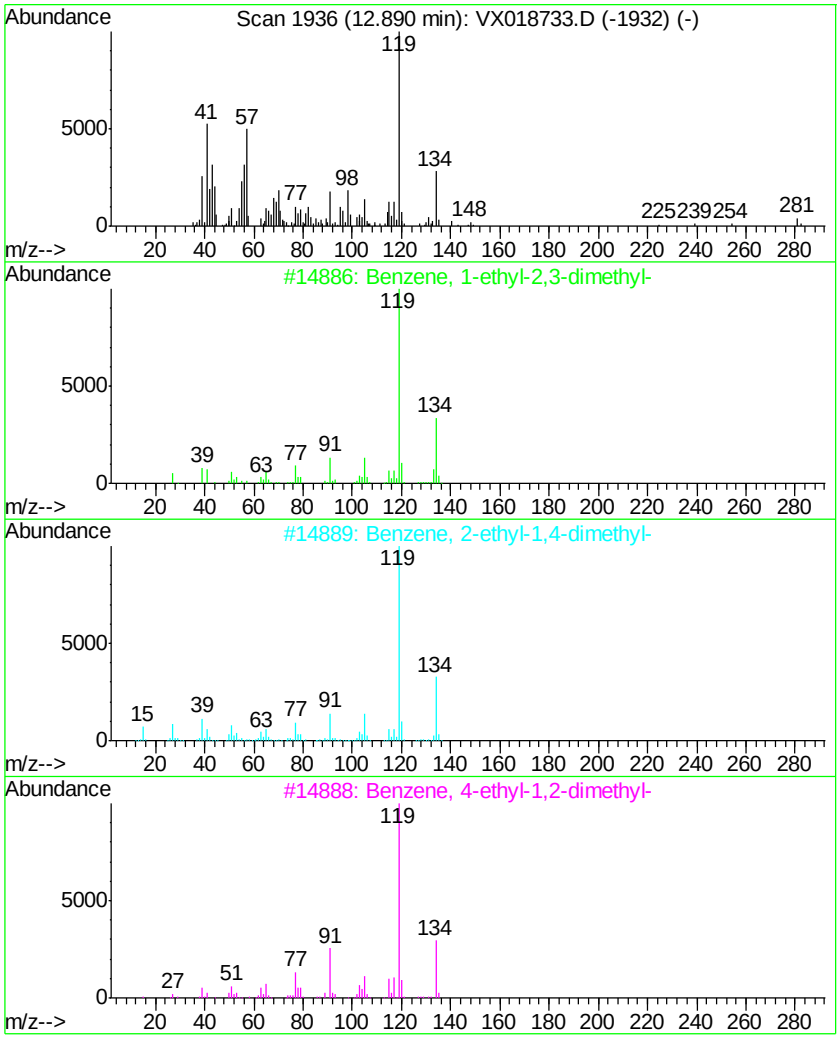
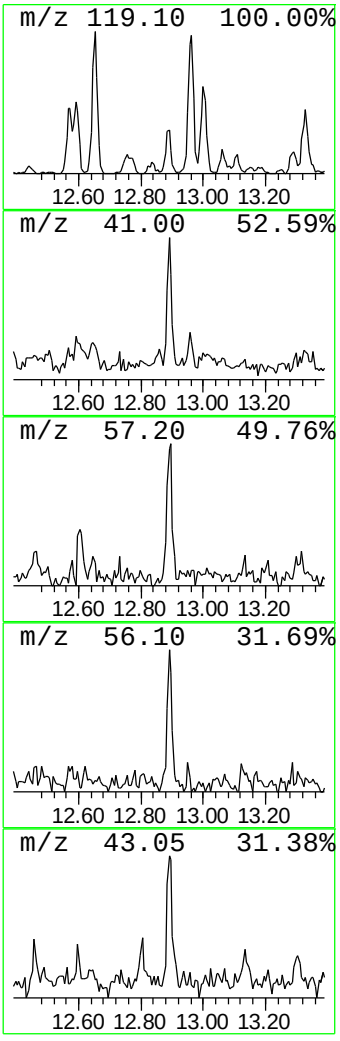
Peak Number 16 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	0.56 ug/L	70691	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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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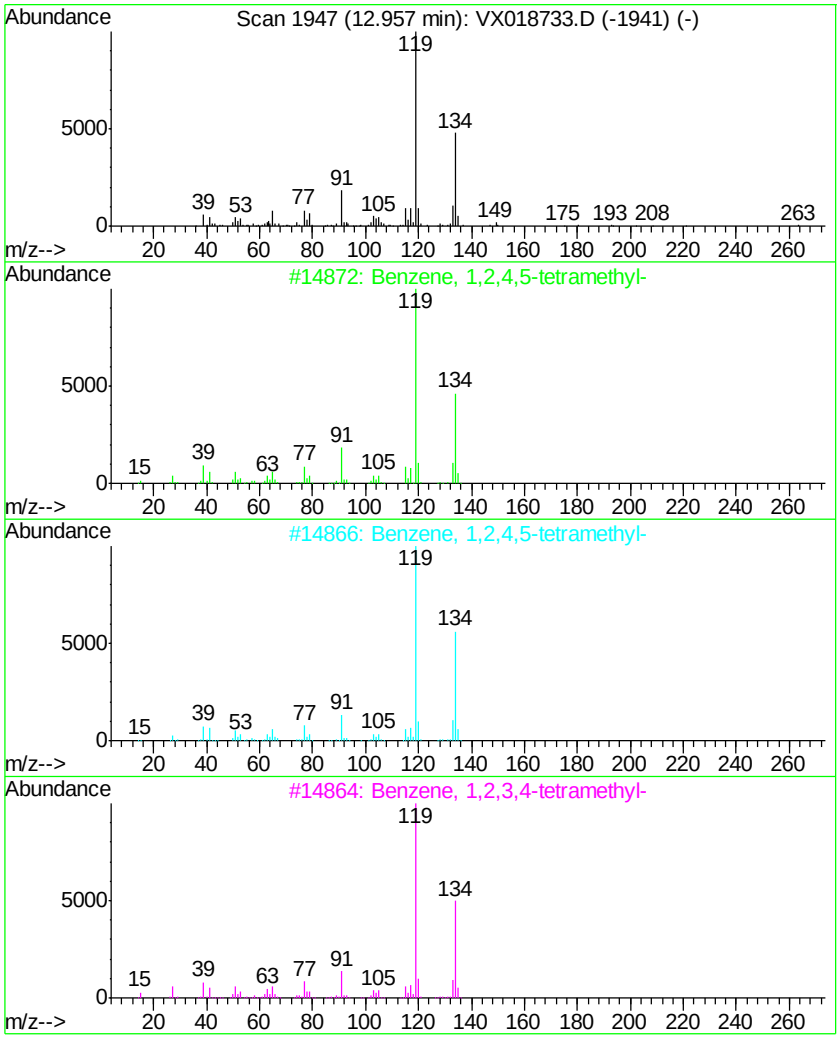
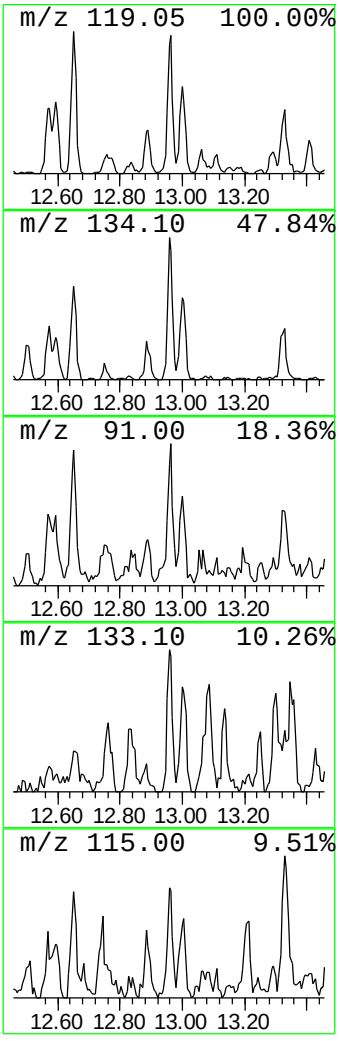
Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	0.74 ug/L	93892	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	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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

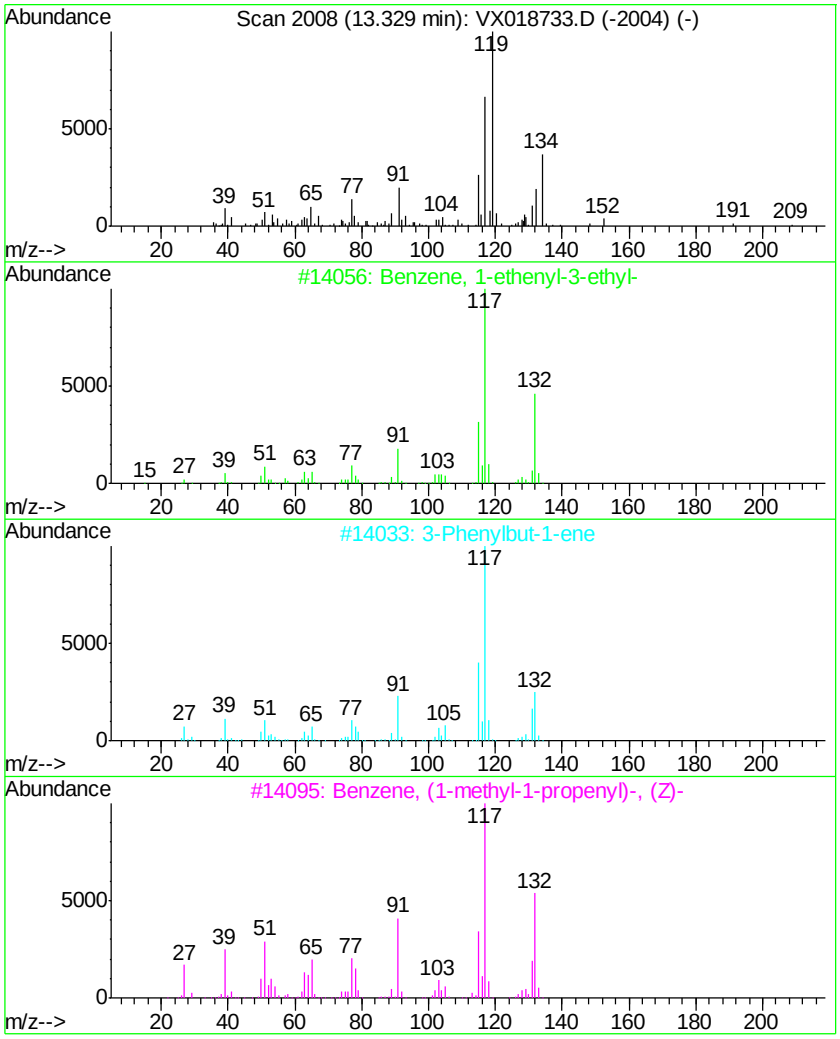
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

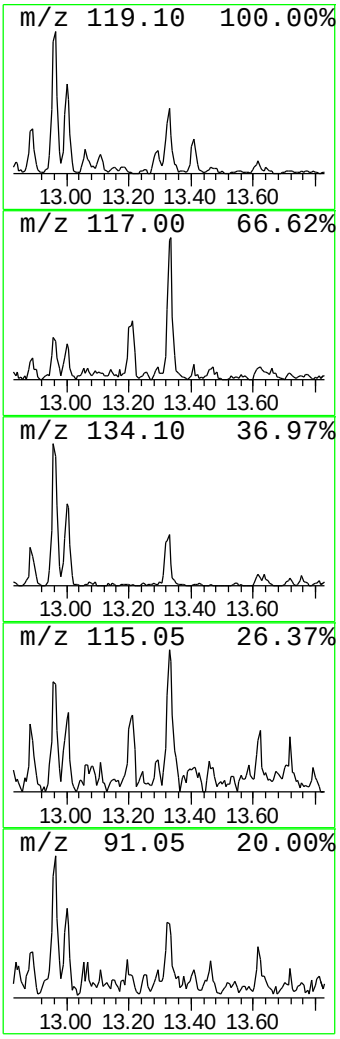
****

Peak Number 18 unknown-04 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	0.61 ug/L	77486	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	42
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	41
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	41
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	41
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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

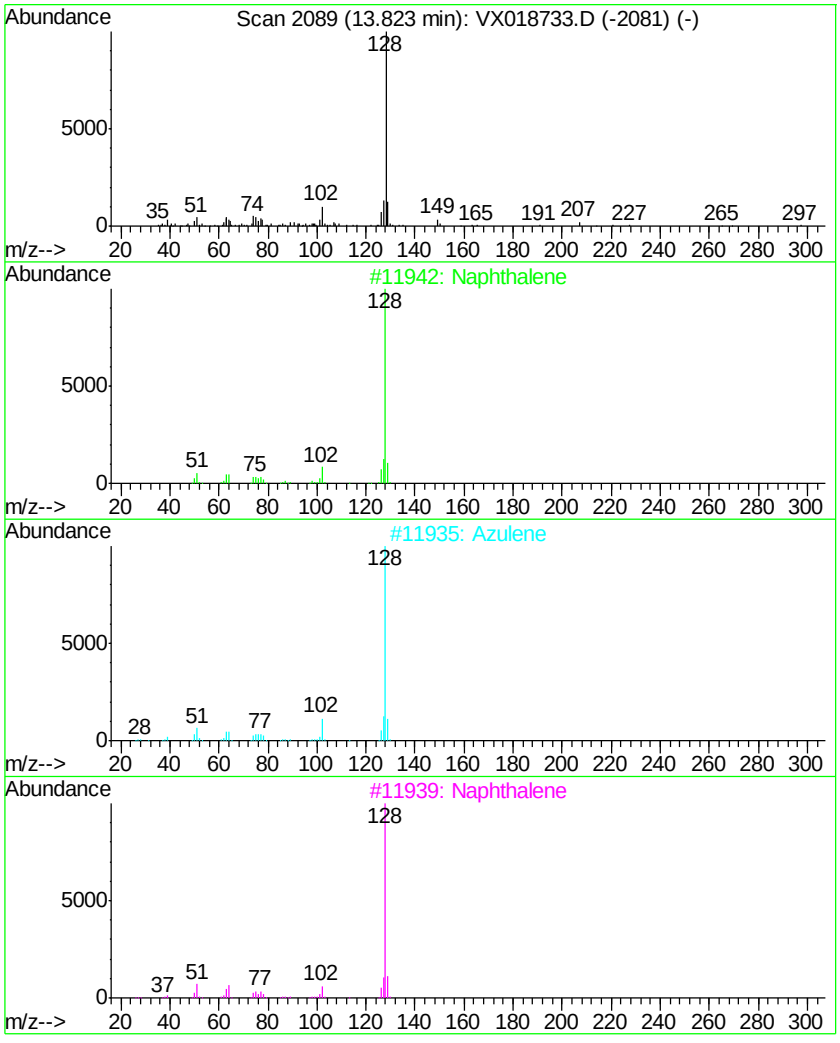
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

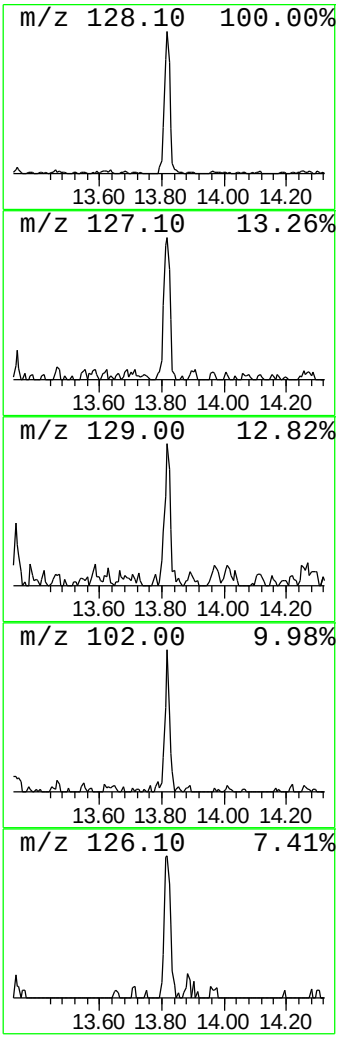
****

Peak Number 19 Azulene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	0.63 ug/L	79244	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	94
2	Azulene	128	C10H8	000275-51-4	90
3	Naphthalene	128	C10H8	000091-20-3	90
4	Azulene	128	C10H8	000275-51-4	90
5	Naphthalene	128	C10H8	000091-20-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100120\
Data File : VX018733.D
Acq On : 01 Oct 2020 20:04
Operator : JC/SP
Sample : L4171-11RE
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3Q1RE

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
3-Butenoic acid	1.16	0.8	ug/L	76072	1	6.83	504605	5.0
unknown-01	1.48	0.5	ug/L	53165	1	6.83	504605	5.0
(DEL) Alkane: Str...	2.87	0.6	ug/L	61665	1	6.83	504605	5.0
(DEL) Alkane: Str...	3.15	1.4	ug/L	138285	1	6.83	504605	5.0
(DEL) Alkane: Str...	3.50	2.1	ug/L	215294	1	6.83	504605	5.0
(DEL) Alkane: Cyc...	4.37	1.8	ug/L	176921	1	6.83	504605	5.0
(DEL) Alkane: Cyc...	10.62	0.7	ug/L	86961	2	10.10	611350	5.0
unknown-02	10.81	0.8	ug/L	104041	2	10.10	611350	5.0
(DEL) Alkane: Cyc...	10.90	1.2	ug/L	143002	2	10.10	611350	5.0
Benzene, 1-ethyl-...	11.42	0.8	ug/L	96231	3	12.06	630258	5.0
4-Heptanone, 2,6-...	11.61	0.9	ug/L	112081	3	12.06	630258	5.0
unknown-03	11.65	0.8	ug/L	96370	3	12.06	630258	5.0
Mesitylene	11.79	0.8	ug/L	104129	3	12.06	630258	5.0
p-Cymene	12.65	0.6	ug/L	76091	3	12.06	630258	5.0
Benzene, 1-ethyl-...	12.89	0.6	ug/L	70691	3	12.06	630258	5.0
Benzene, 1,2,4,5-...	12.96	0.7	ug/L	93892	3	12.06	630258	5.0
unknown-04	13.33	0.6	ug/L	77486	3	12.06	630258	5.0
Azulene	13.82	0.6	ug/L	79244	3	12.06	630258	5.0