LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

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\SOMXTR100220WMA.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	1.386	45	49	58	rBV	95157	99853	3.11%	0.243%
2	1.697	96	100	110	rVB	76963	93724	2.92%	0.228%
3	2.343	197	206	213	rBV	183742	293708	9.15%	0.714%
4	2.867	286	292	306	rVB	368115	782921	24.39%	1.904%
5	3.148	327	338	352	rBV	786635	1785885	55.64%	4.342%
6	3.501	386	396	412	rBV	1074568	2465313	76.81%	5.994%
7	4.111	483	496	508	rBV2	42468	131442	4.10%	0.320%
8	4.276	512	523	531	rVV4	31102	100812	3.14%	0.245%
9	4.367	531	538	549	rVB3	24225	72595	2.26%	0.177%
10	4.544	556	567	580	rBV	77029	285728	8.90%	0.695%
11	5.135	650	664	677	rBV	116997	349930	10.90%	0.851%
12	6.044	801	813	828	rBV3	244451	738731	23.02%	1.796%
13	6.824	931	941	955	rBV	204676	501028	15.61%	1.218%
14	7.367	1021	1030	1039	rBV2	154558	339648	10.58%	0.826%
15	8.372	1189	1195	1205	rVB	107168	175713	5.47%	0.427%
16	8.696	1242	1248	1256	rVB	400696	612989	19.10%	1.490%
17	8.994	1291	1297	1302	rBV	75749	112243	3.50%	0.273%
18	9.427	1360	1368	1379	rBV	501066	707005	22.03%	1.719%
19	10.092	1471	1477	1489	rBV	420877	608353	18.95%	1.479%
20	11.000	1620	1626	1634	rBV	37610	54904	1.71%	0.133%
21	11.232	1656	1664	1674	rBV	169345	221846	6.91%	0.539%
22	11.341	1677	1682	1689	rBV	696570	829525	25.85%	2.017%
23	11.421	1689	1695	1697	rBV	835100	1265415	39.43%	3.077%
24	11.488	1702	1706	1712	rVB	822958	989662	30.83%	2.406%
25	11.652	1728	1733	1739	rVB	193036	240495	7.49%	0.585%
26	11.793	1751	1756	1763	rVB	1390321	1707814	53.21%	4.152%
27	11.902	1767	1774	1776	rVV	134110	167846	5.23%	0.408%
28	11.927	1776	1778	1783	rVV	161105	203763	6.35%	0.495%
29	12.012	1787	1792	1795	rVV	325172	414271	12.91%	1.007%
30	12.061	1795	1800	1806	rVB2	578979	803726	25.04%	1.954%
31	12.128	1806	1811	1817	rVB	102026	132788	4.14%	0.323%
32	12.213	1820	1825	1830	rBV	31494	40005	1.25%	0.097%
33	12.286	1830	1837	1838	rBV	668367	723681	22.55%	1.760%
34	12.305	1838	1840	1844	rVV	1068846	1235636	38.50%	3.004%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

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\SOMXTR100220WMA.M
Title : TRACE VOA SOM01.0

35	12.353	1844	1848	1856	rVV2	2186192	3209598	100.00%	7.804%
36	12.445	1858	1863	1868	rVV	122010	150865	4.70%	0.367%
37	12.500	1868	1872	1878	rVB	498206	607806	18.94%	1.478%
38	12.573	1878	1884	1886	rBV	1299516	1887856	58.82%	4.590%
39	12.591	1886	1887	1892	rVV	1234199	1153721	35.95%	2.805%
40	12.652	1892	1897	1901	rVV	2463923	2854613	88.94%	6.941%
41	12.683	1901	1902	1907	rVV	45902	43708	1.36%	0.106%
42	12.756	1907	1914	1921	rVV4	219136	426141	13.28%	1.036%
43	12.835	1921	1927	1931	rVV3	61233	92841	2.89%	0.226%
44	12.890	1931	1936	1940	rVV	568451	722169	22.50%	1.756%
45	12.963	1940	1948	1951	rVV	1744342	2122781	66.14%	5.161%
46	13.000	1951	1954	1960	rVV	2443720	2818425	87.81%	6.853%
47	13.061	1960	1964	1966	rVV	128838	154660	4.82%	0.376%
48	13.085	1966	1968	1970	rVV	84502	99000	3.08%	0.241%
49	13.109	1970	1972	1974	rVV	82534	83665	2.61%	0.203%
50	13.134	1974	1976	1981	rVV2	40725	73659	2.29%	0.179%
51	13.207	1981	1988	1992	rVV2	350769	475040	14.80%	1.155%
52	13.250	1992	1995	1998	rVV	63153	70674	2.20%	0.172%
53	13.292	1998	2002	2004	rVV2	184600	260349	8.11%	0.633%
54	13.329	2004	2008	2017	rVV2	1100377	1698162	52.91%	4.129%
55	13.408	2017	2021	2027	rVV	214884	253309	7.89%	0.616%
56	13.463	2027	2030	2038	rVB3	35633	54405	1.70%	0.132%
57	13.542	2038	2043	2047	rBV3	48909	83646	2.61%	0.203%
58	13.628	2051	2057	2063	rVV2	861288	1428922	44.52%	3.474%
59	13.719	2063	2072	2076	rVV2	179246	263204	8.20%	0.640%
60	13.835	2086	2091	2094	rBV3	25206	33735	1.05%	0.082%
61	13.969	2105	2113	2115	rBV3	71221	109929	3.43%	0.267%
62	13.999	2115	2118	2126	rVB2	166618	241561	7.53%	0.587%
63	14.115	2132	2137	2142	rBV	90020	113297	3.53%	0.275%
64	14.256	2156	2160	2166	rVB	54470	77762	2.42%	0.189%
65	14.359	2173	2177	2182	rBV2	55972	67972	2.12%	0.165%
66	14.414	2182	2186	2189	rBV2	28114	35709	1.11%	0.087%
67	14.676	2222	2229	2233	rBV	46681	69585	2.17%	0.169%

Sum of corrected areas: 41127767

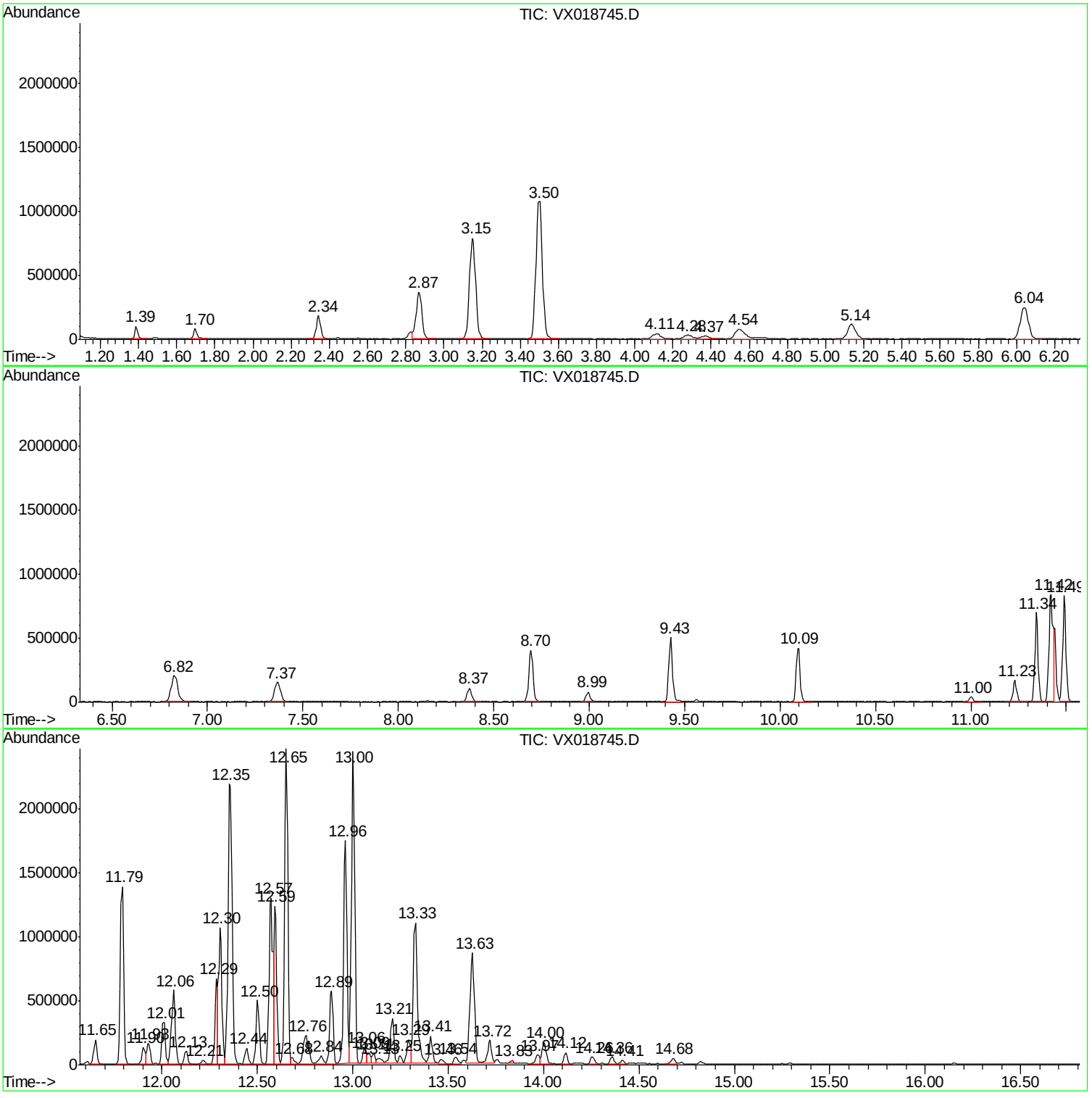
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.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\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

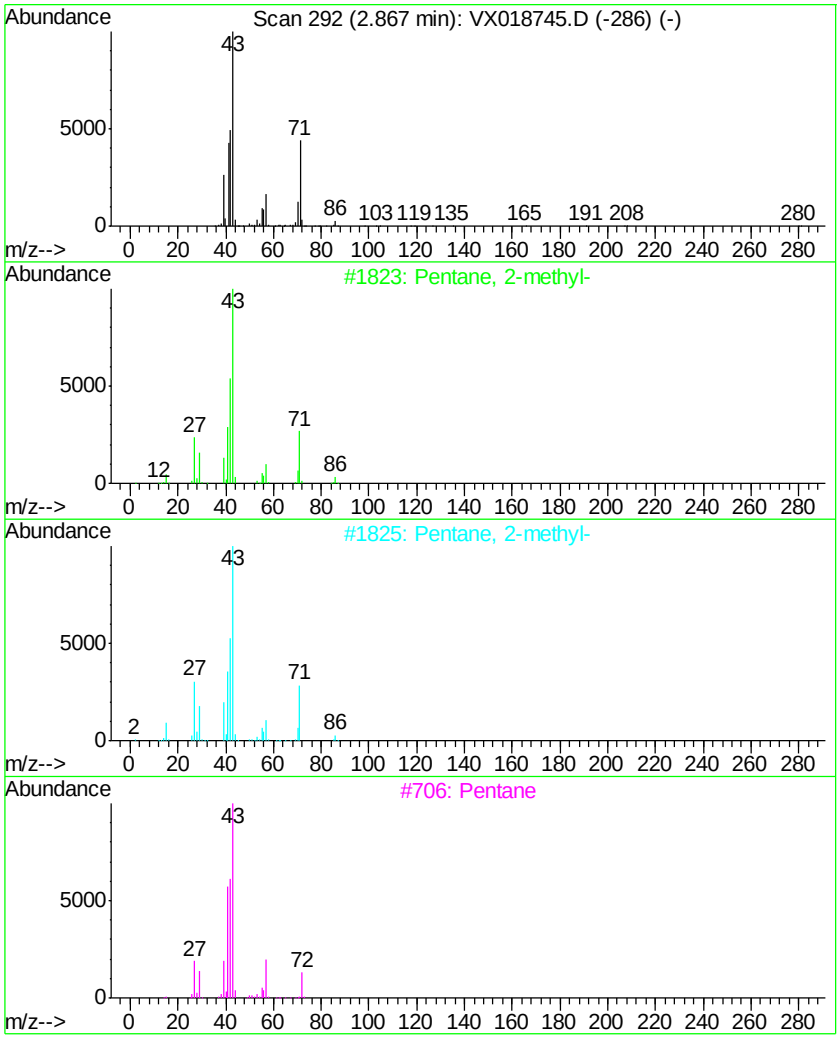
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

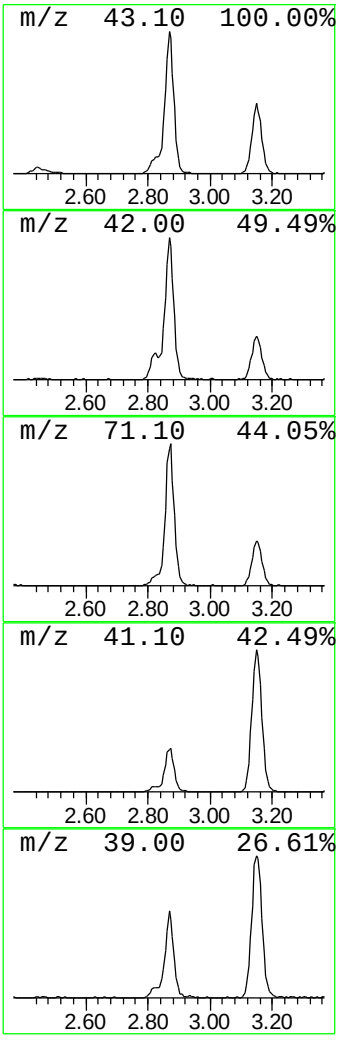
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.87	7.81 ug/L	782921	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
3	Pentane	72	C5H12	000109-66-0	47
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	37
5	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

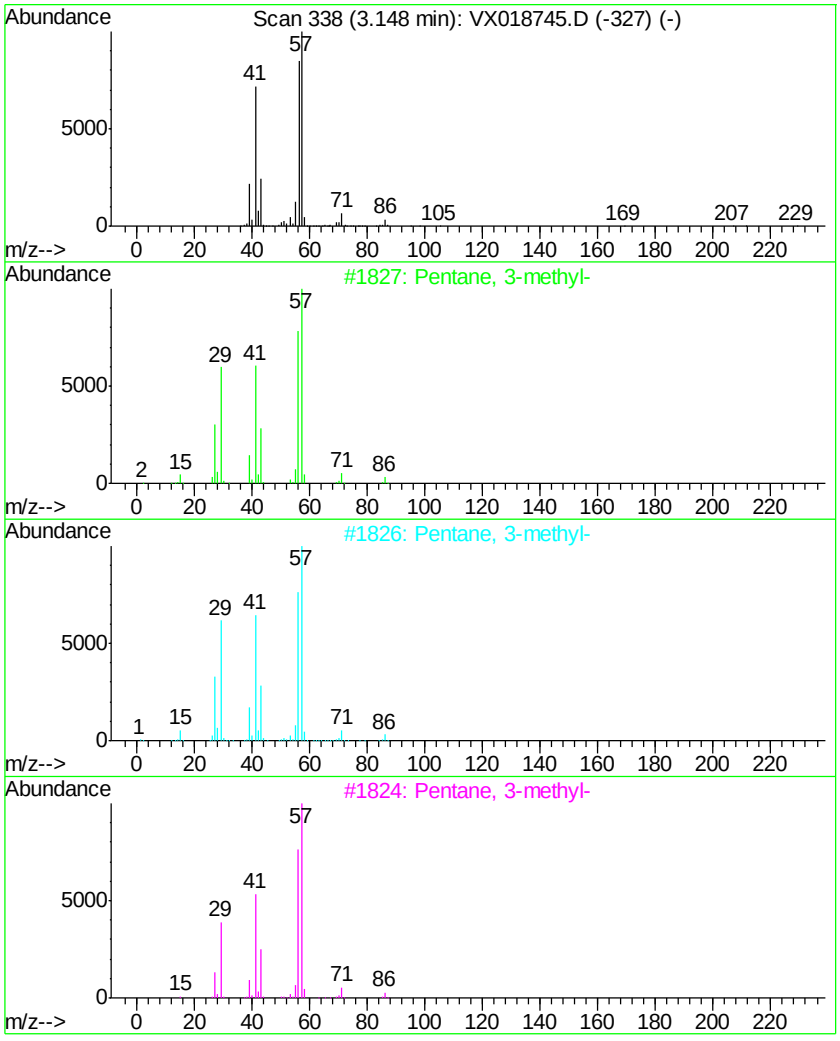
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

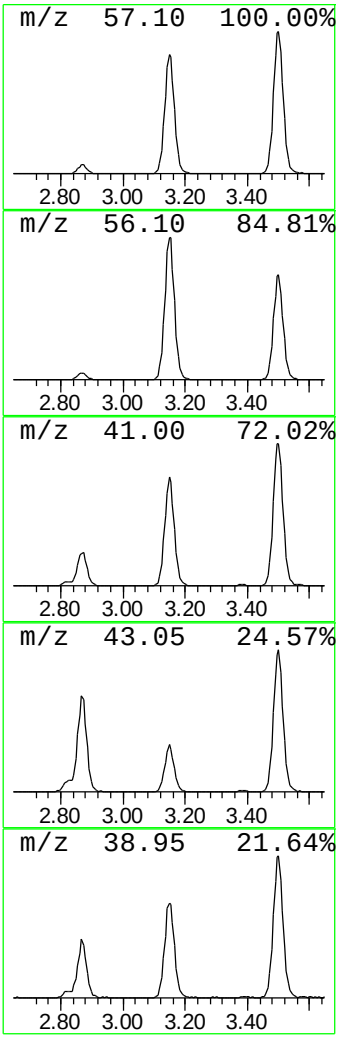
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	17.82 ug/L	1785890	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	78
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

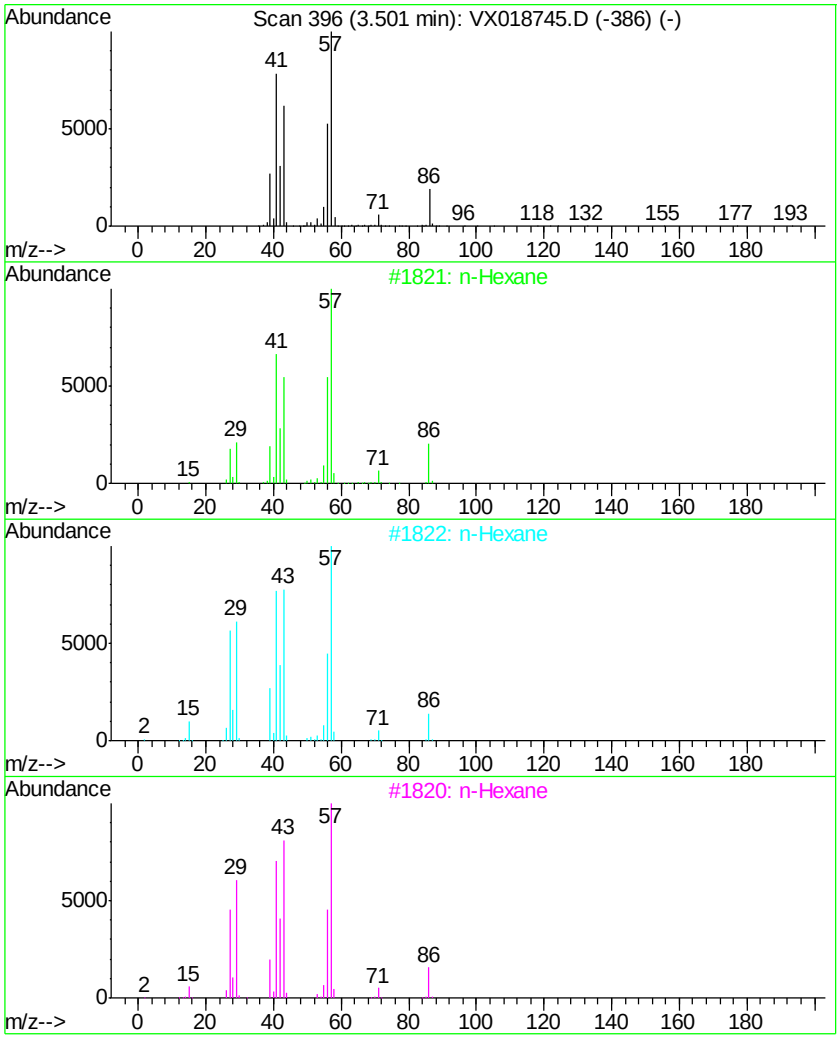
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

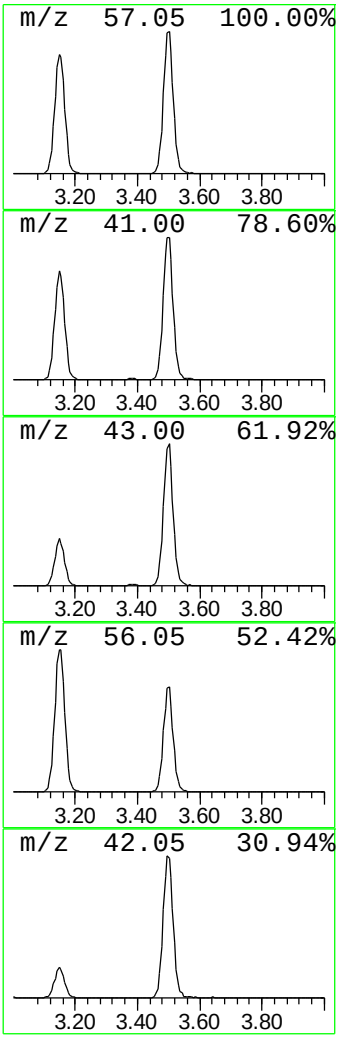
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	24.60 ug/L	2465310	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	n-Hexane	86	C6H14	000110-54-3	72
3	n-Hexane	86	C6H14	000110-54-3	64
4	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	43
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

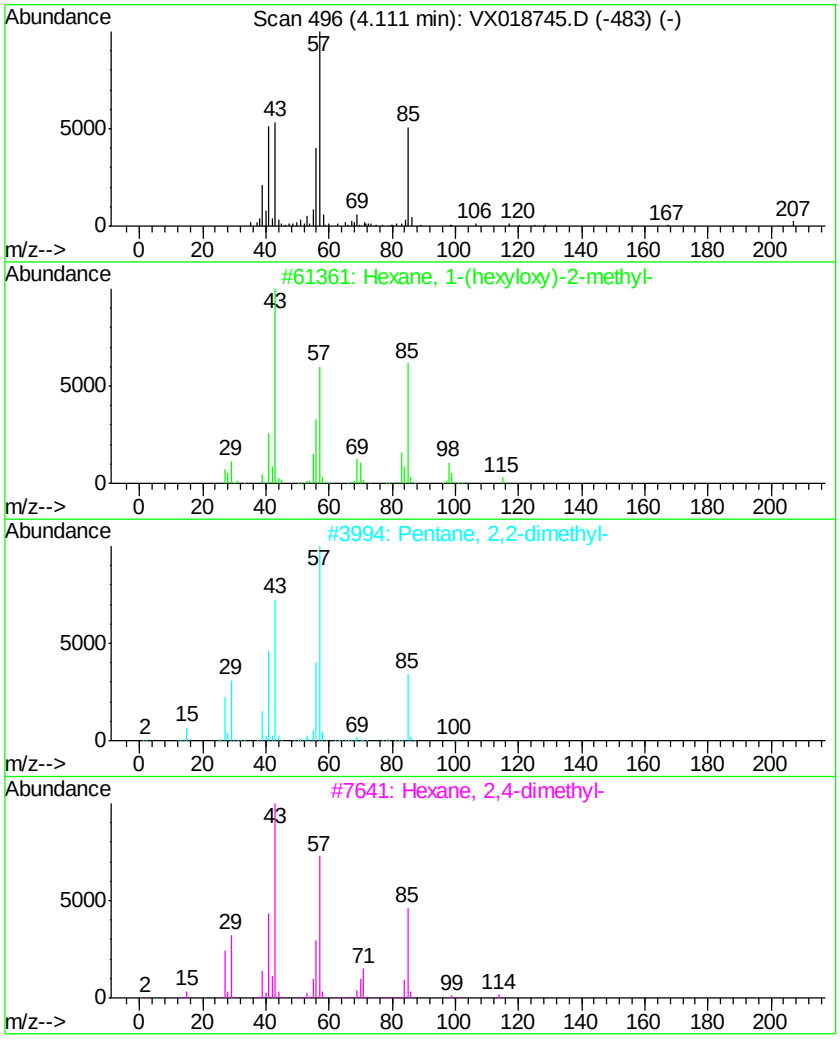
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

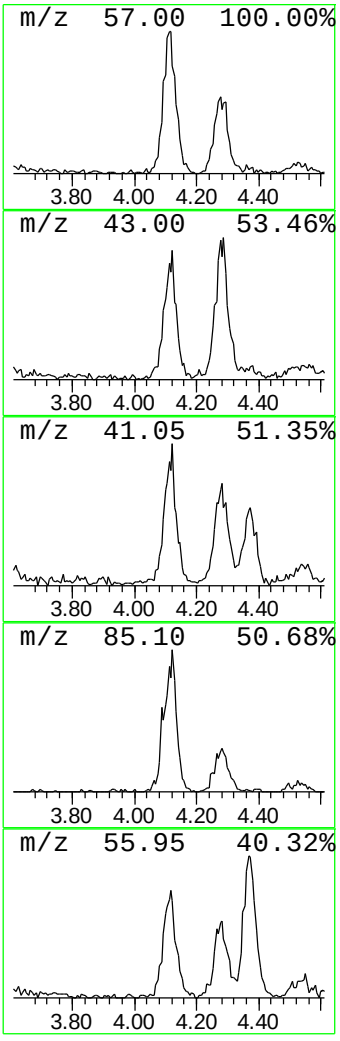
****

Peak Number 4 Hexane, 1-(hexyloxy)-2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.11	1.31 ug/L	131442	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	72
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	72
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	72
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

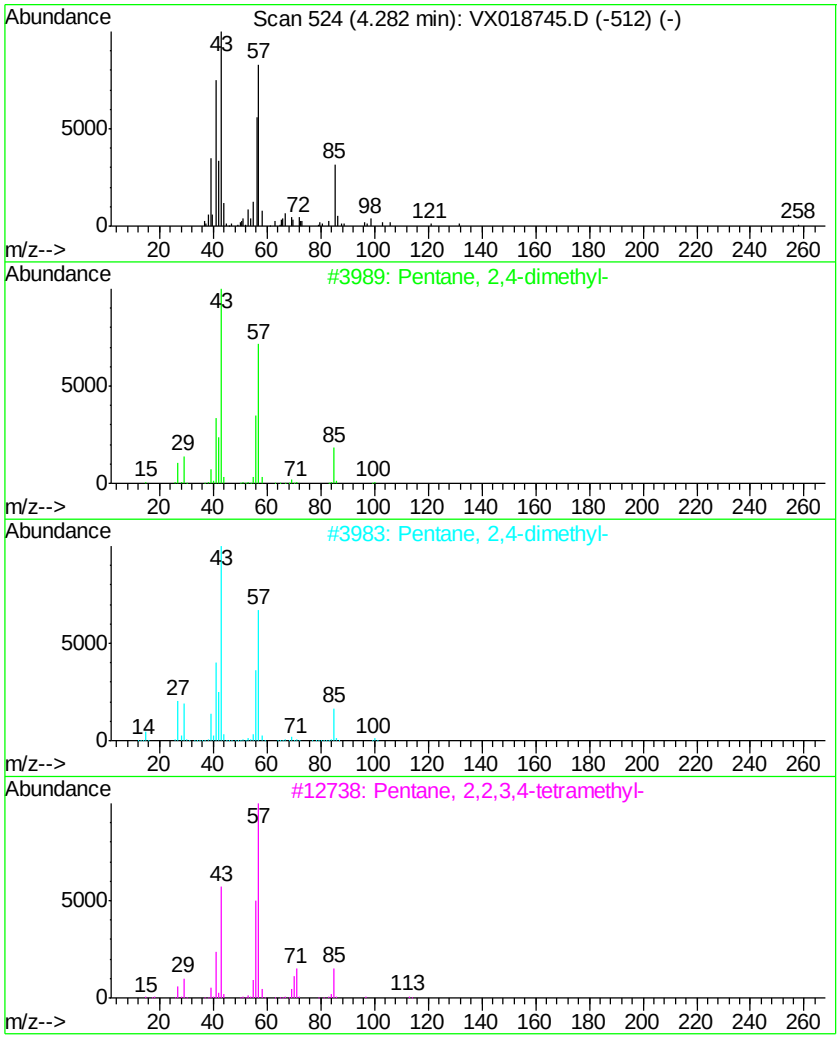
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

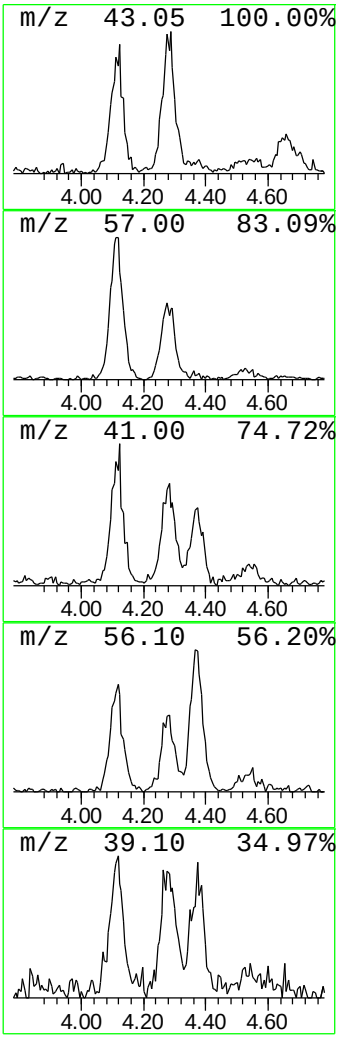
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	1.01 ug/L	100812	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	86
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	86
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

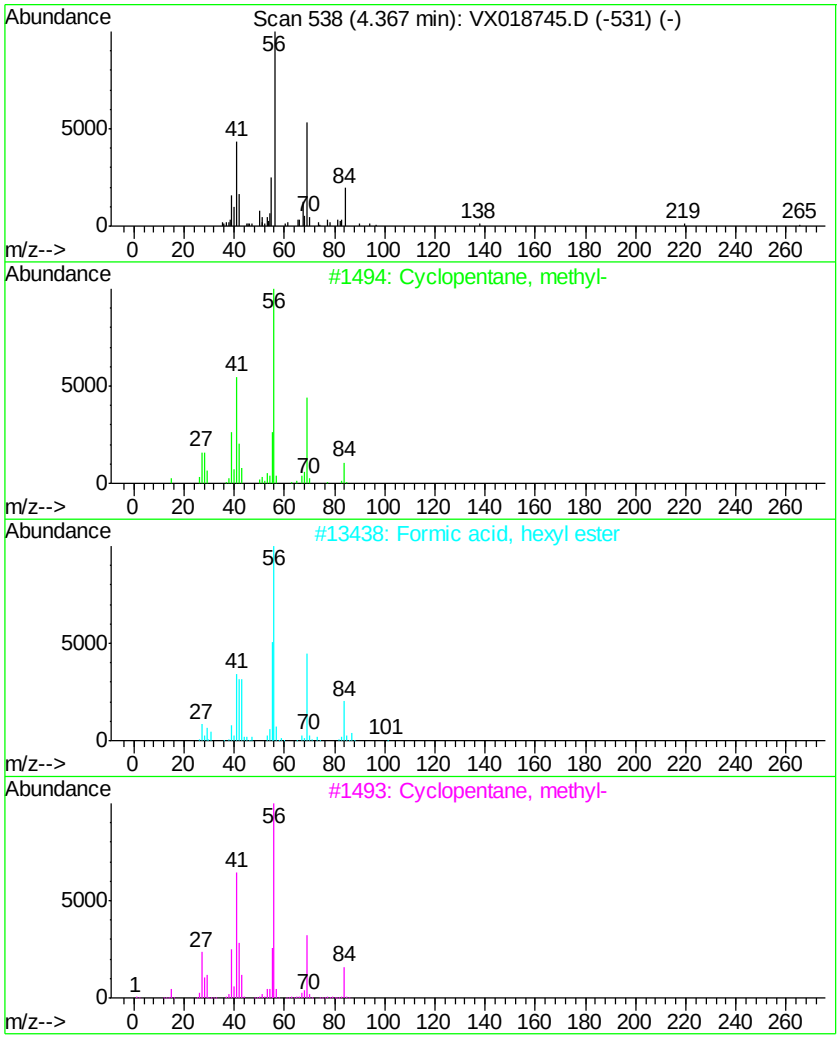
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

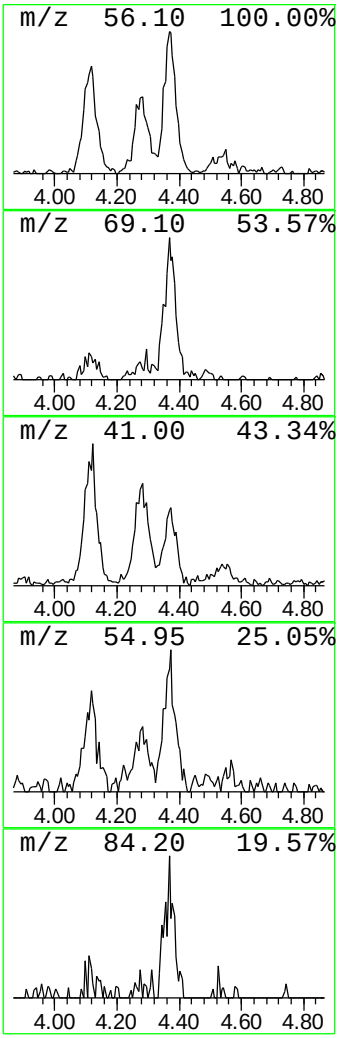
****

Peak Number 6 (DEL) Alkane: Cyclic4.37 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	0.72 ug/L	72595	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
2	Formic acid, hexyl ester	130	C7H14O2	000629-33-4	72
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	53
5	Pyrrolidine-1-acetonitrile, 2,5-...	138	C6H6N2O2	061516-81-2	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

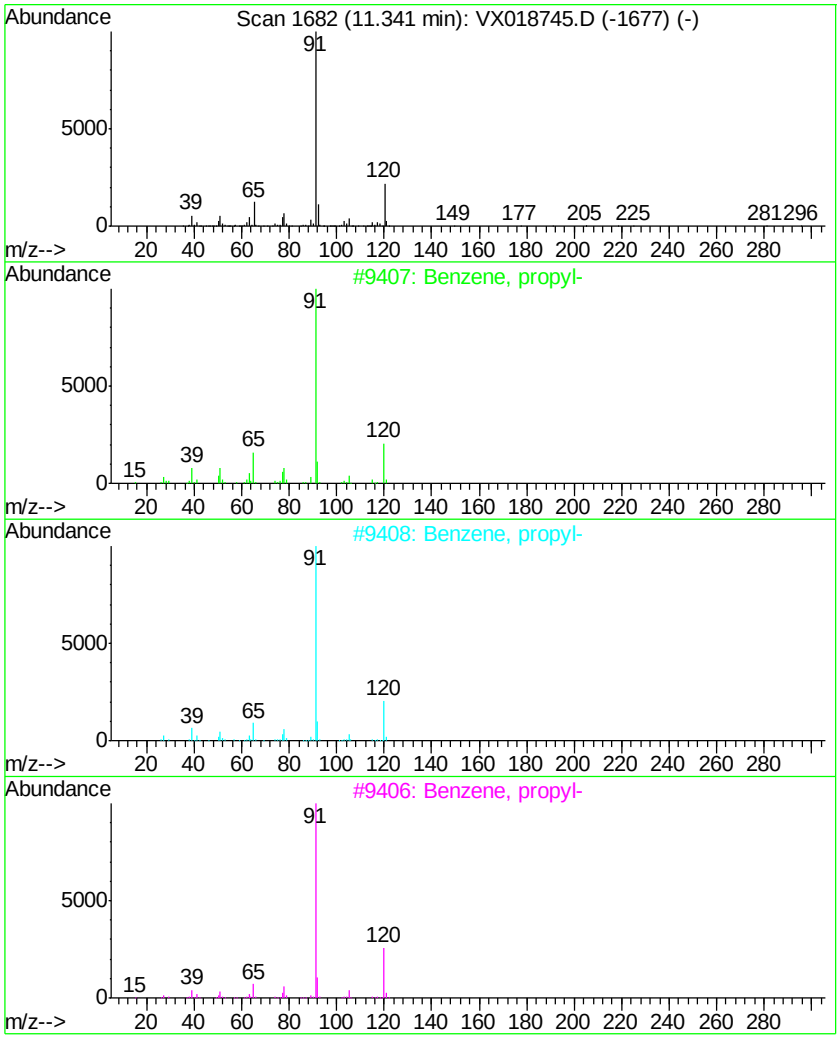
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

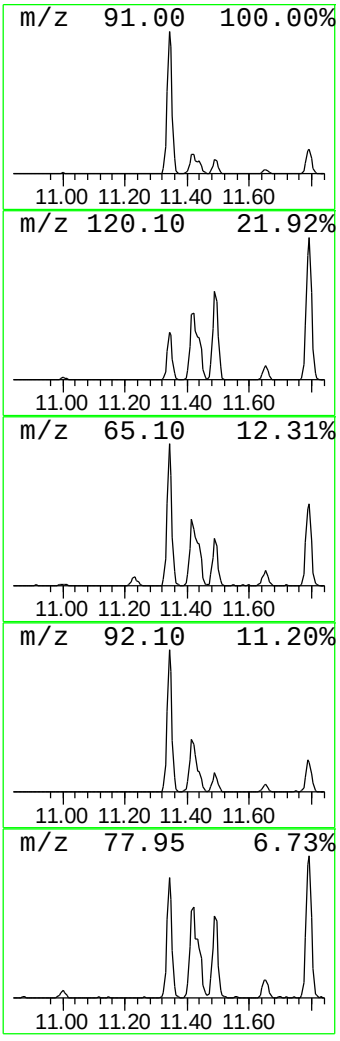
****

Peak Number 8 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	5.16 ug/L	829525	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	93
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

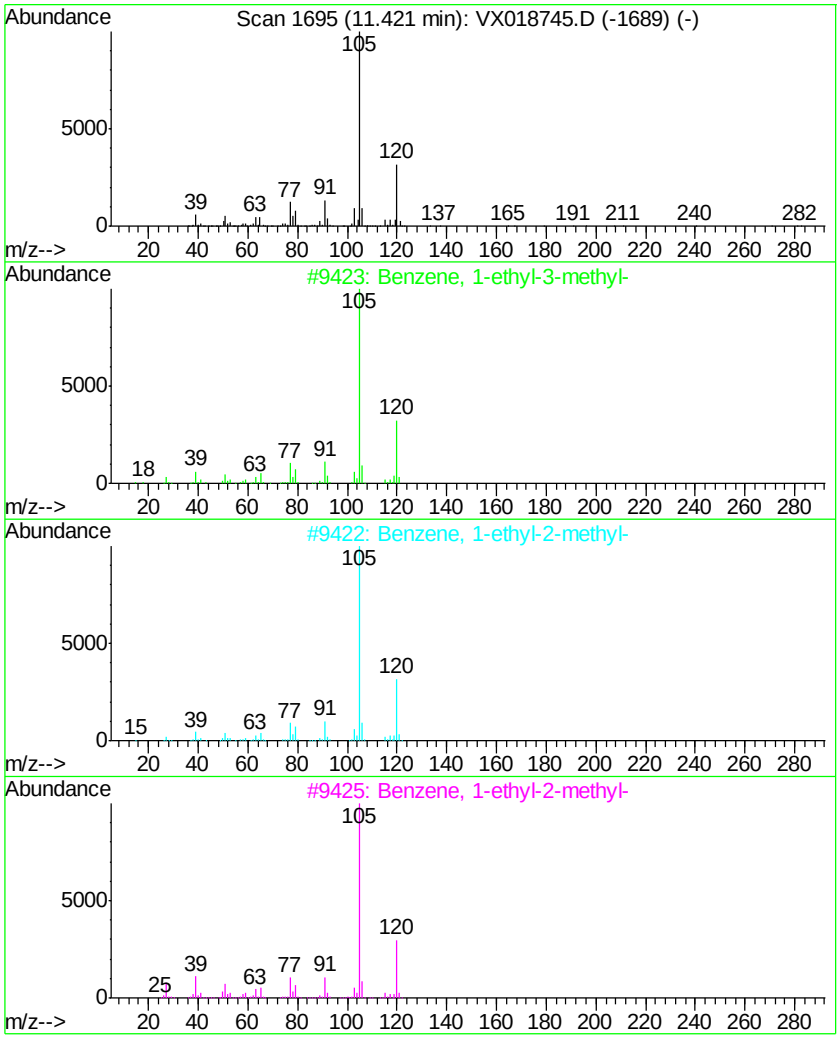
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

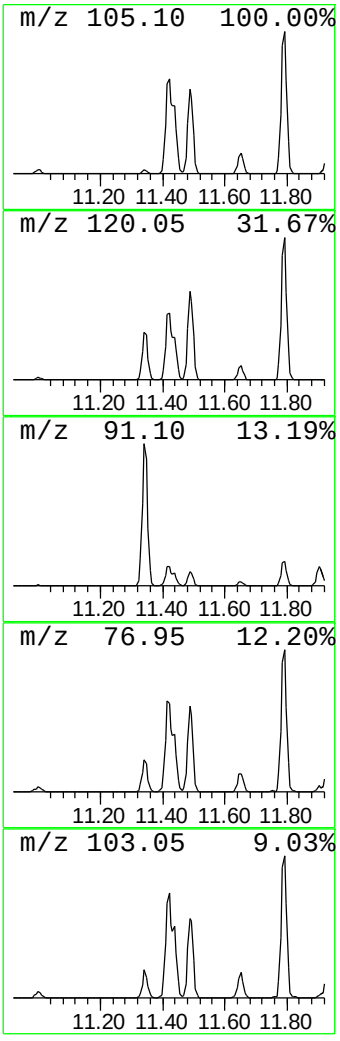
****

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	7.87 ug/L	1265420	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

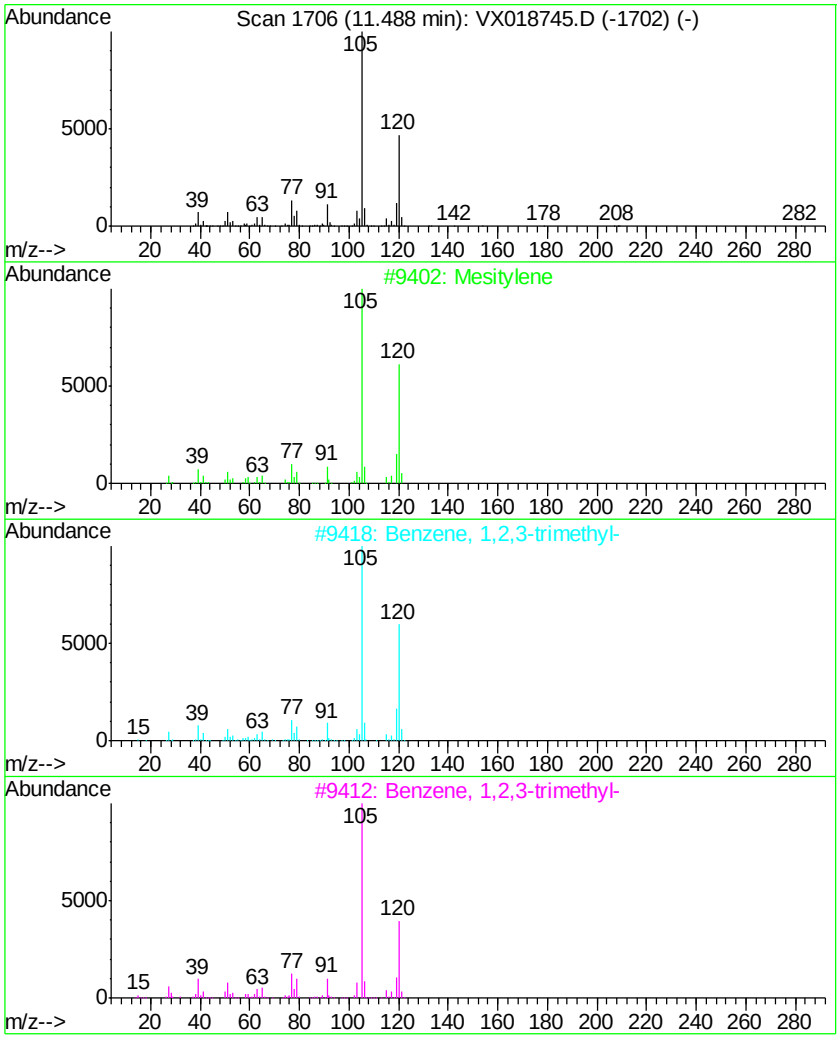
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

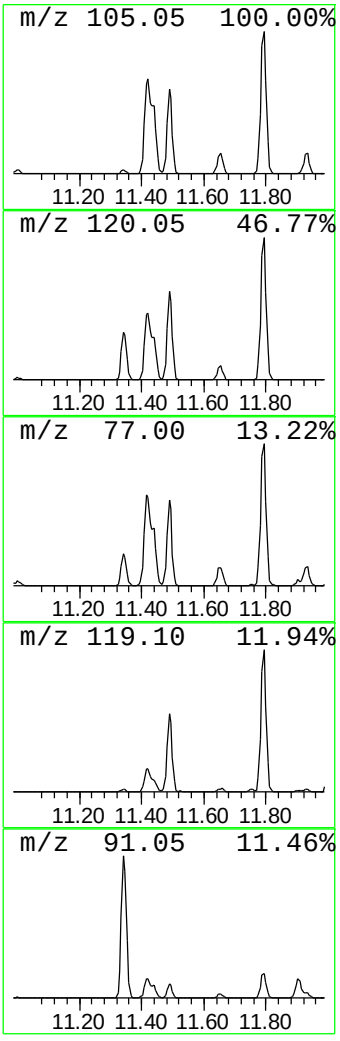
****

Peak Number 10 Mesitylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	6.16 ug/L	989662	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Mesitylene	120	C9H12	000108-67-8	95
5	Mesitylene	120	C9H12	000108-67-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

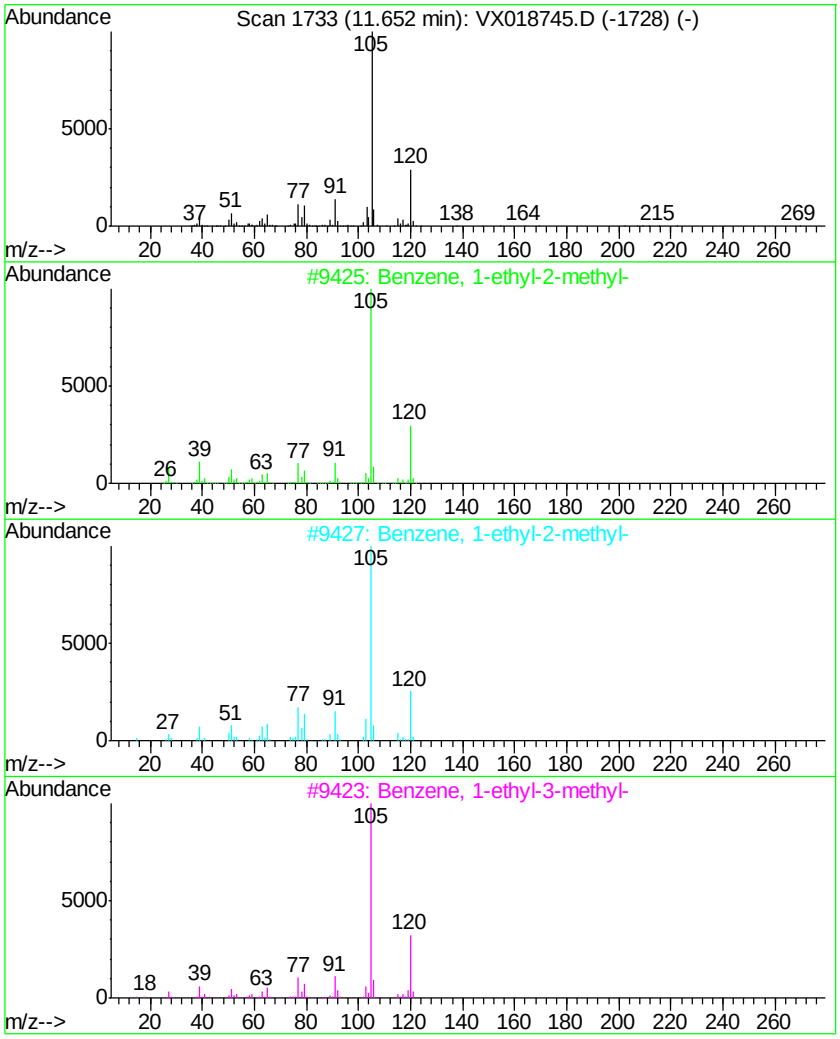
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

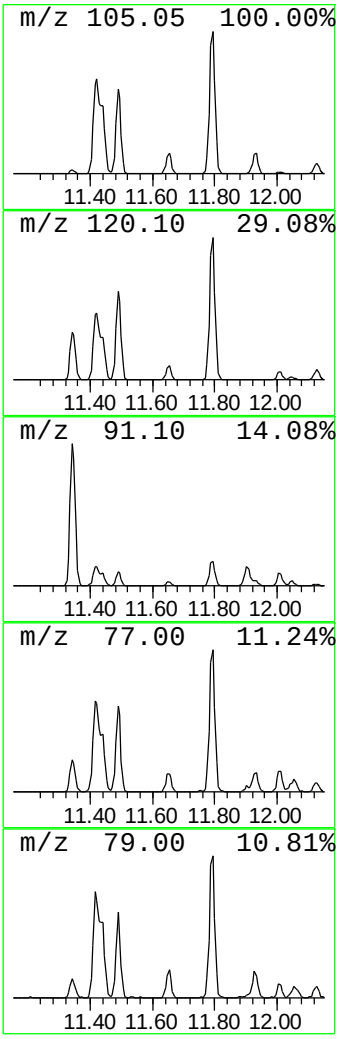
****

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	1.50 ug/L	240495	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-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

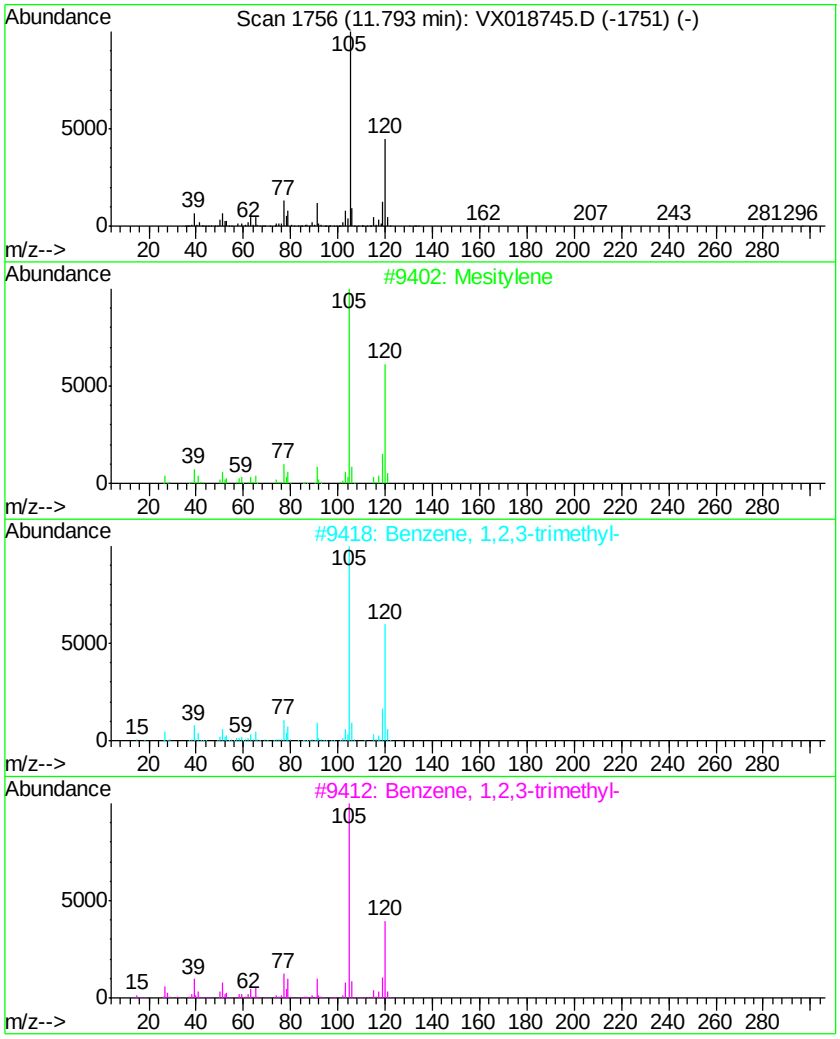
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

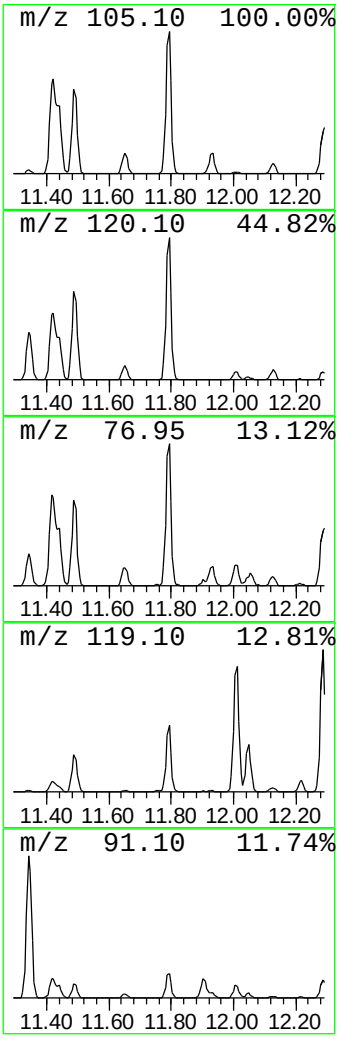
****

Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	10.62 ug/L	1707810	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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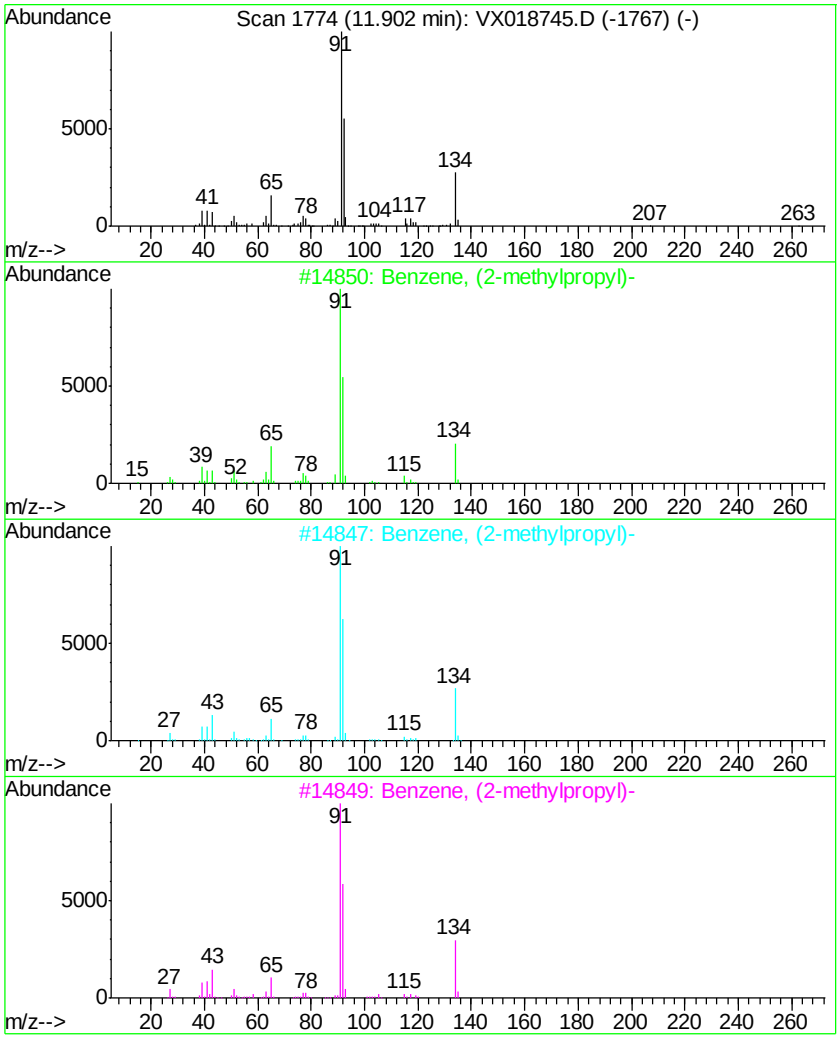
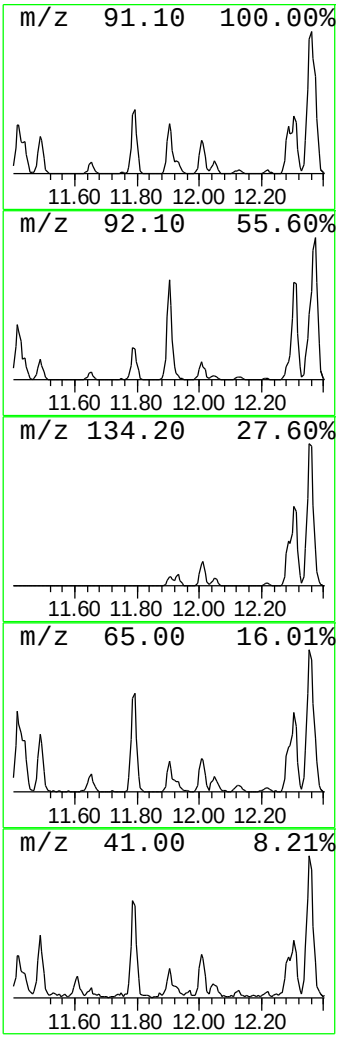
Peak Number 13 Benzene, (2-methylpropyl)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	1.04 ug/L	167846	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	93
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
4	Benzene, butyl-	134	C10H14	000104-51-8	80
5	Benzene, butyl-	134	C10H14	000104-51-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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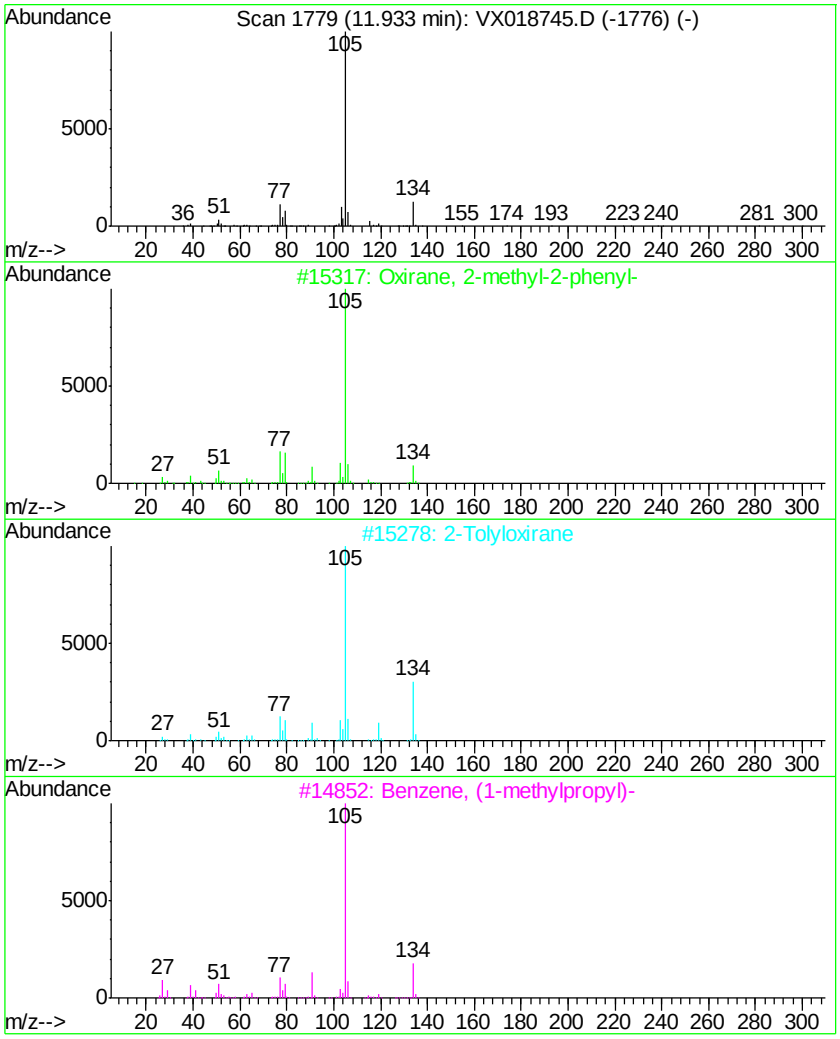
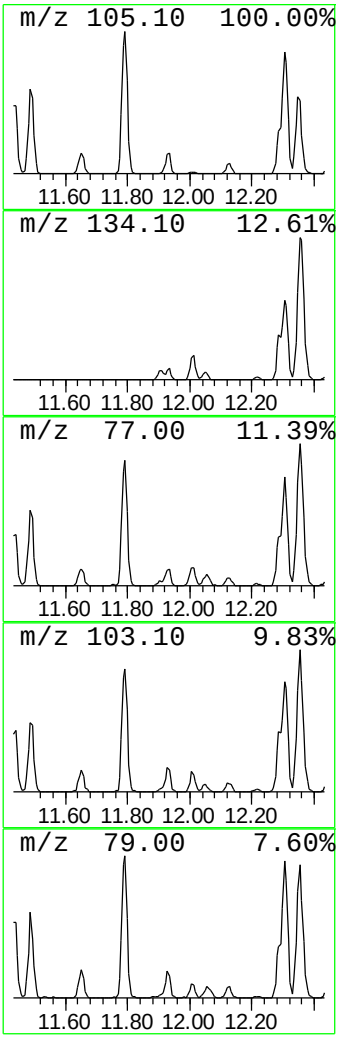
Peak Number 14 Oxirane, 2-methyl-2-phenyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	1.27 ug/L	203763	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	83
2	2-Tolyloxirane	134	C9H10O	002783-26-8	78
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
5	Benzene, 1-(bromomethyl)-4-methyl-	184	C8H9Br	000104-81-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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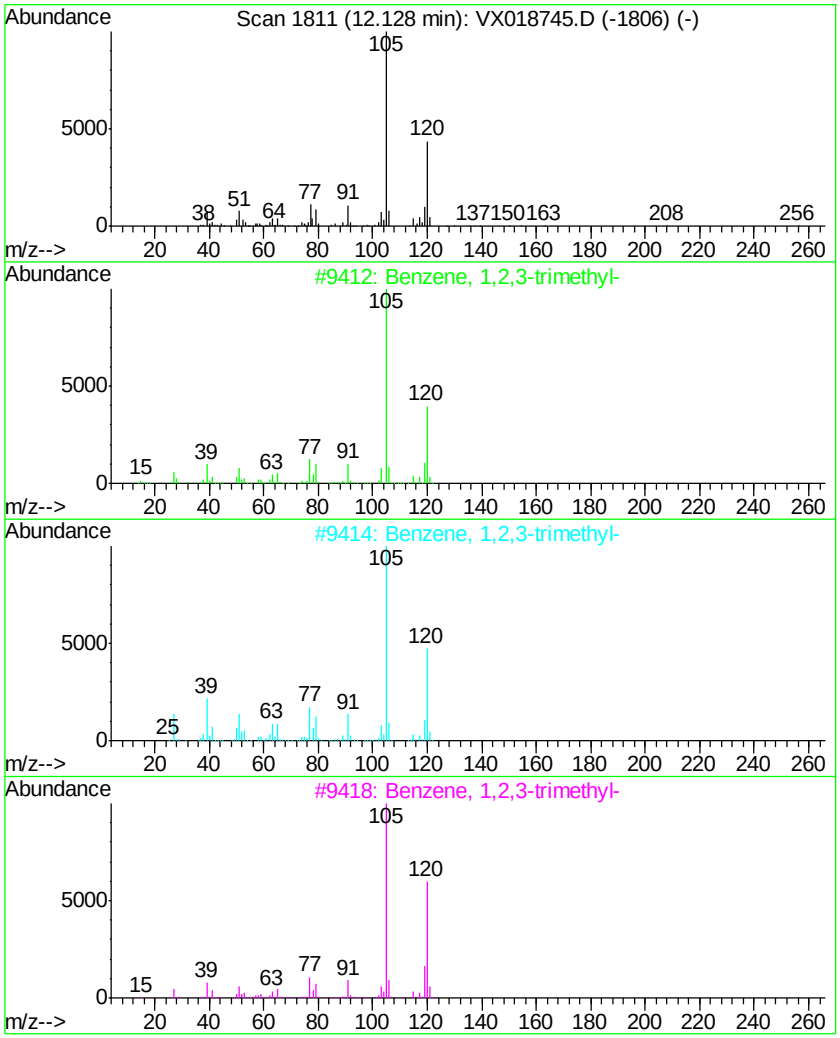
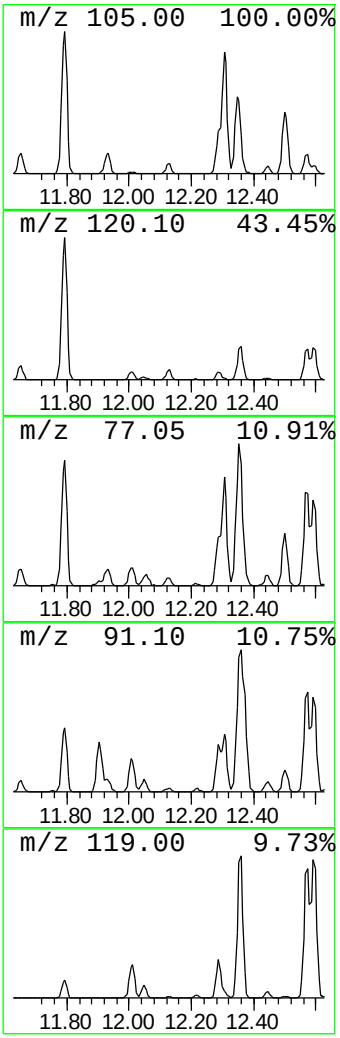
Peak Number 15 Benzene, 1,2,4-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	0.83 ug/L	132788	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	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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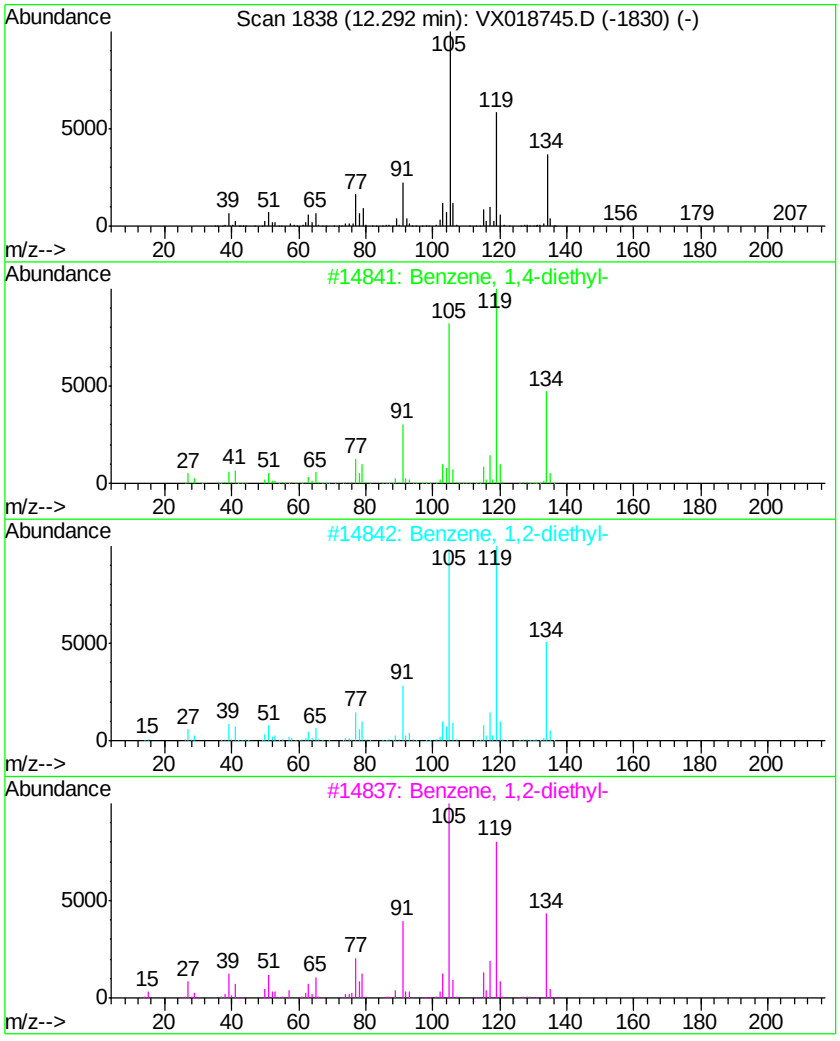
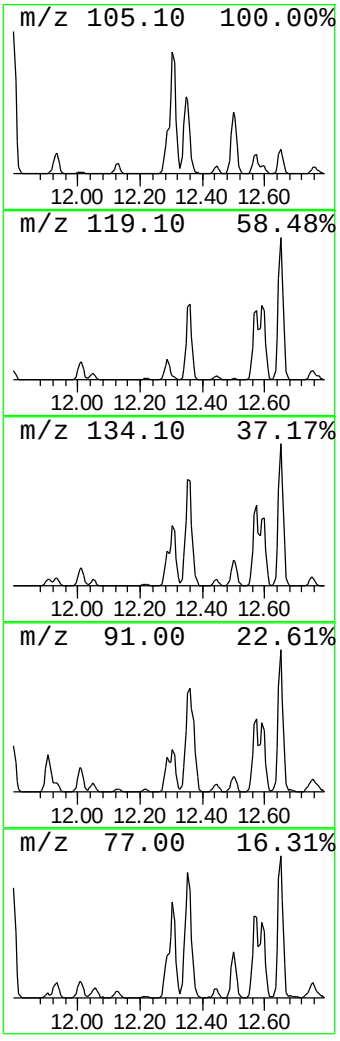
Peak Number 16 Benzene, 1,4-diethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	4.50 ug/L	723681	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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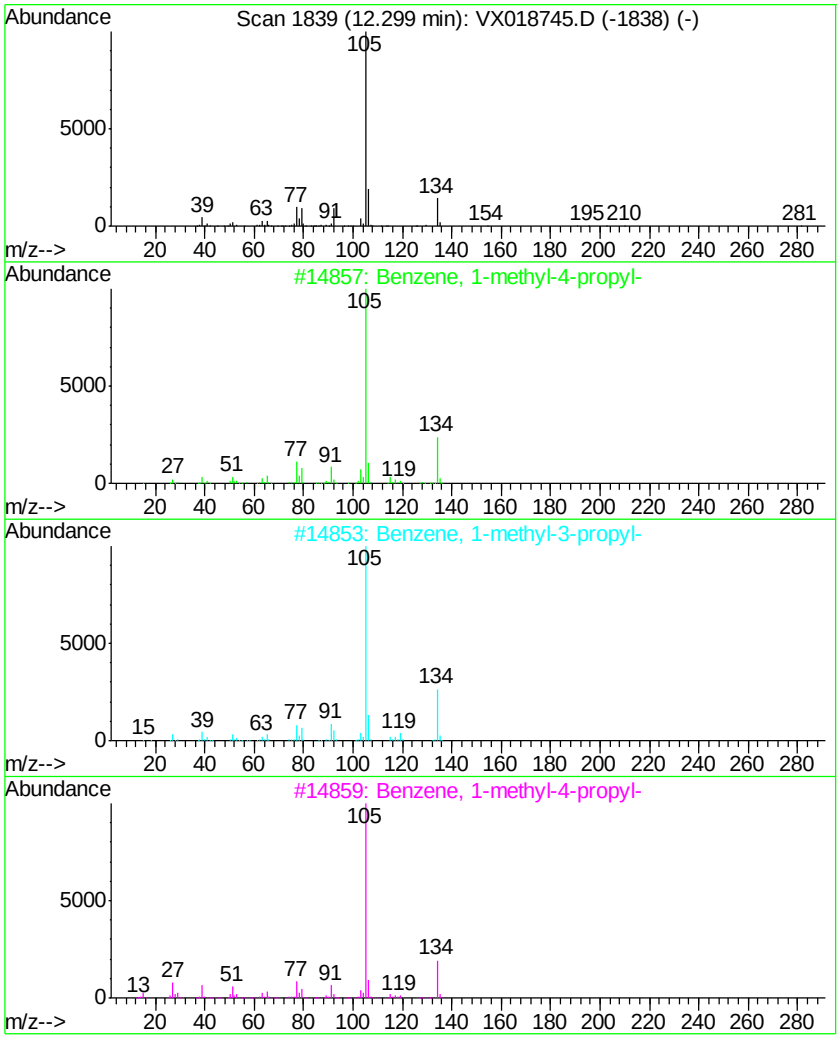
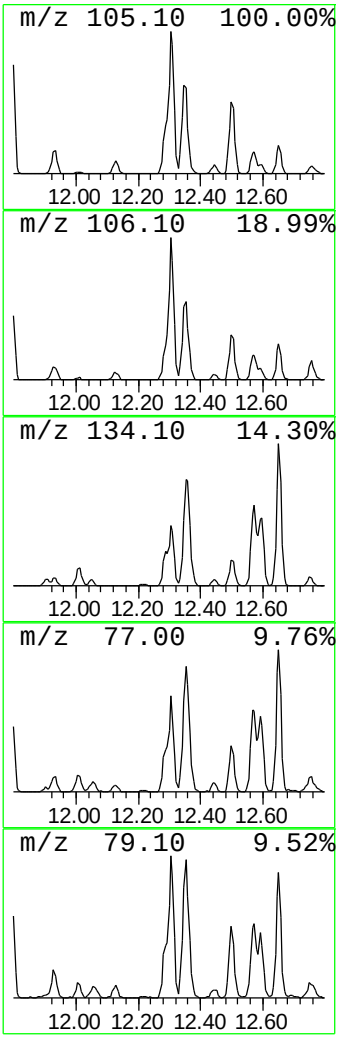
Peak Number 17 Benzene, 1-methyl-4-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	7.69 ug/L	1235640	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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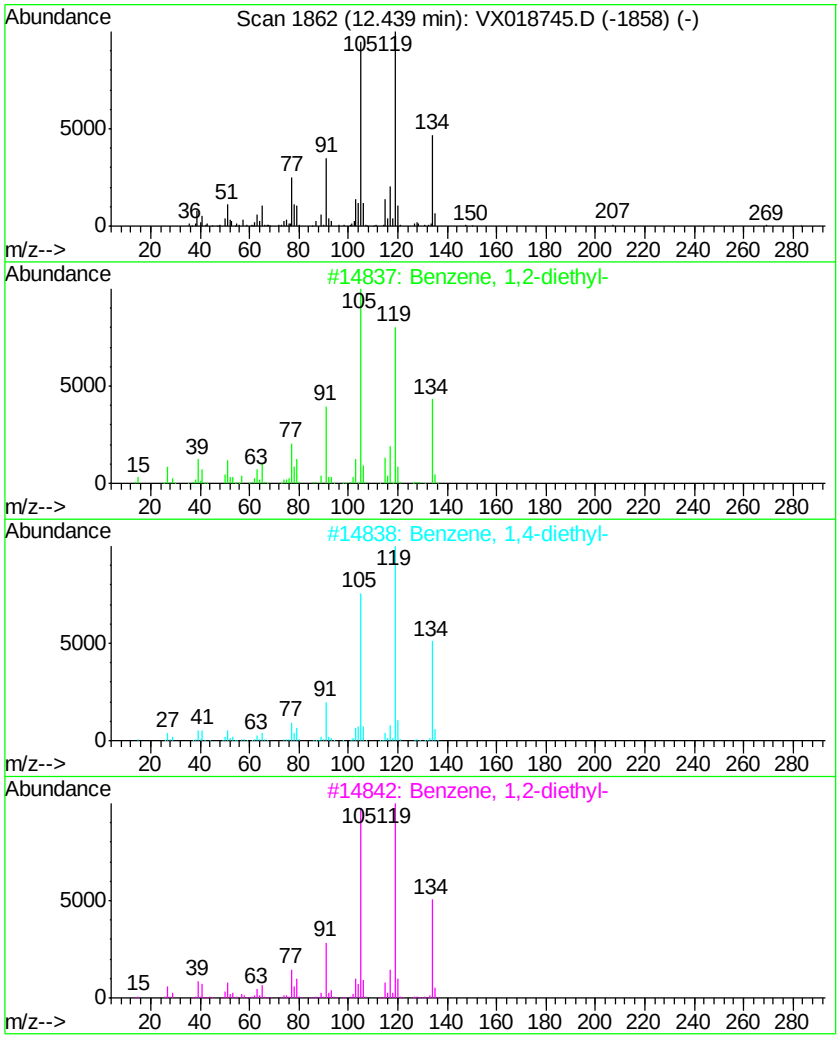
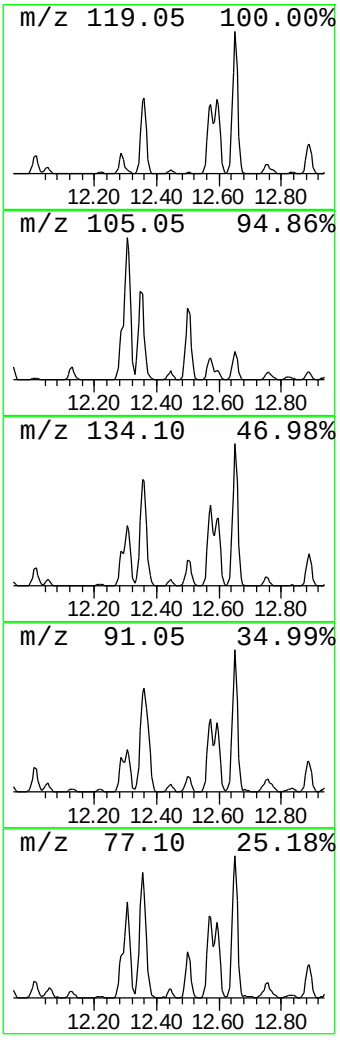
Peak Number 18 Benzene, 1,2-diethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	0.94 ug/L	150865	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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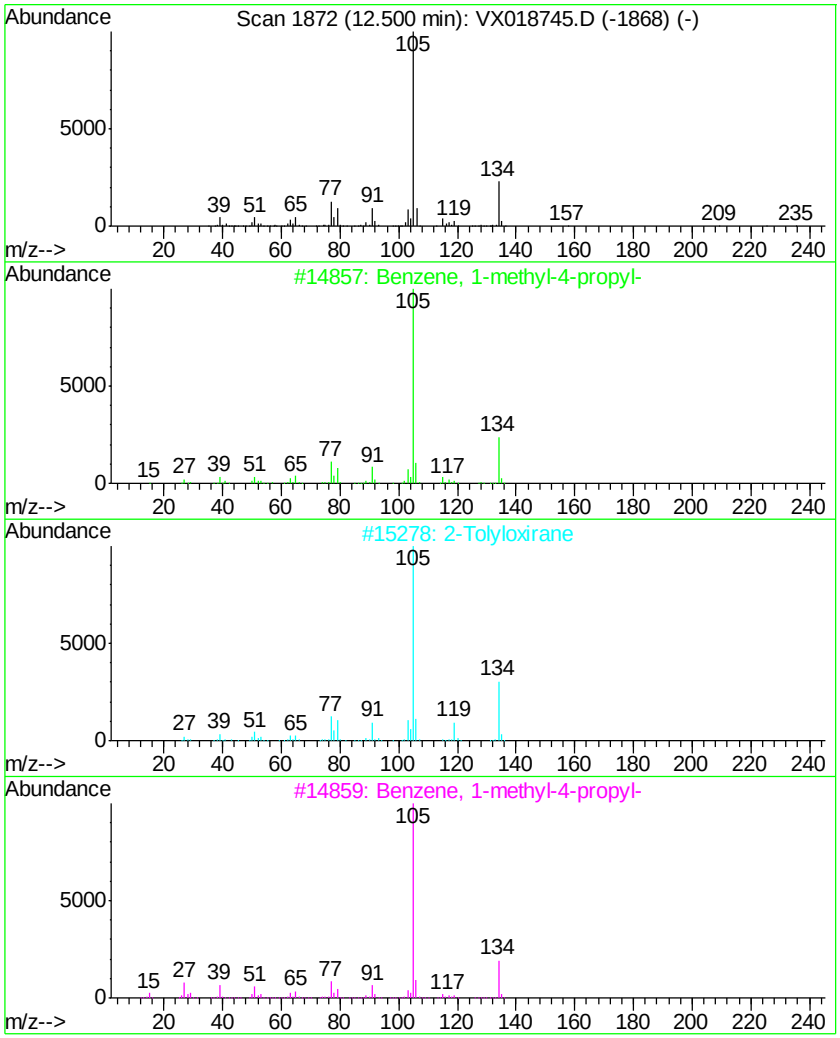
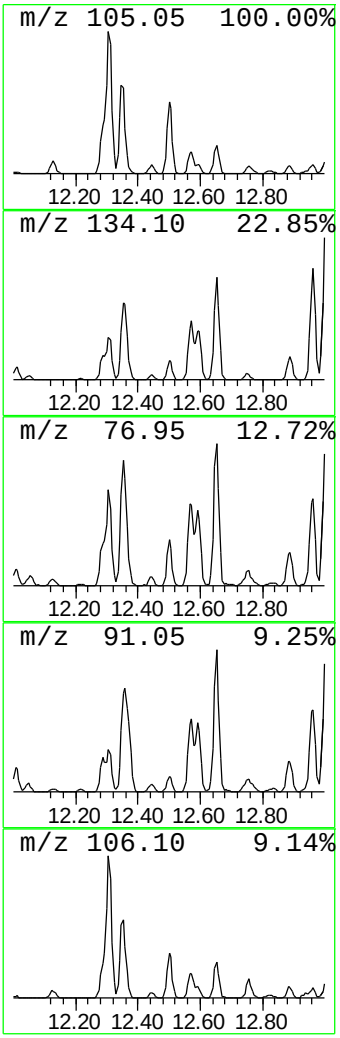
Peak Number 19 2-Tolyloxirane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	3.78 ug/L	607806	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	2-Tolyloxirane	134	C9H10O	002783-26-8	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

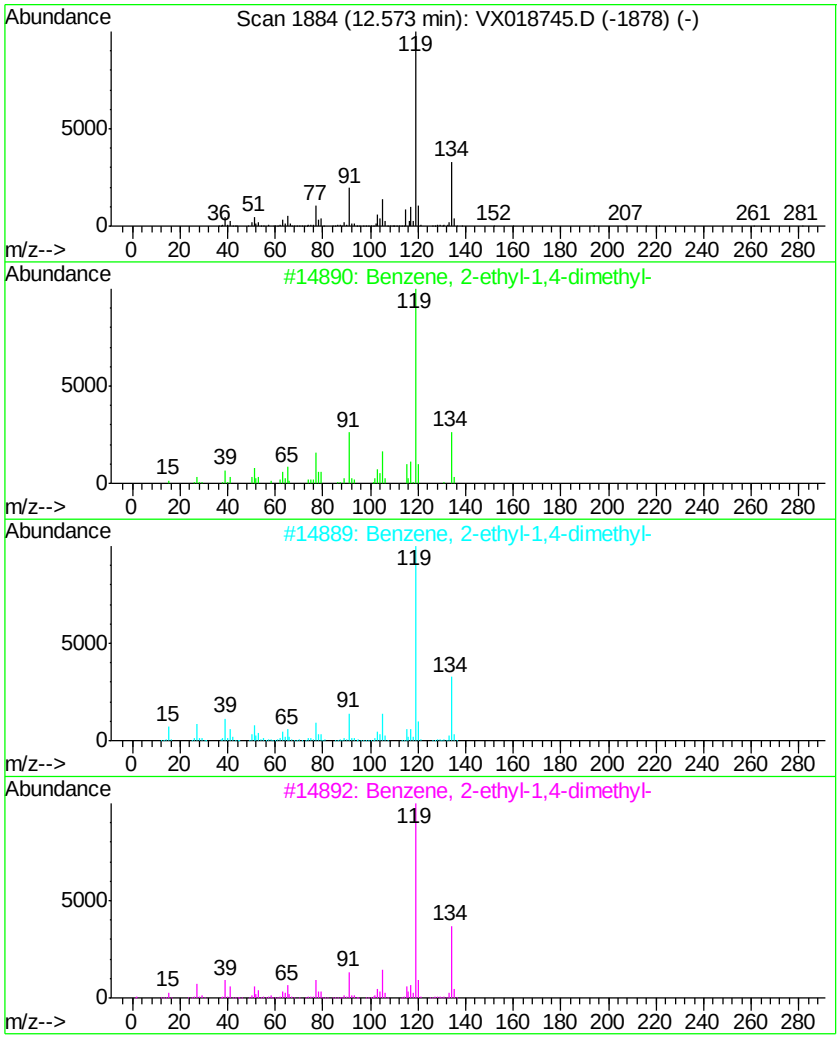
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

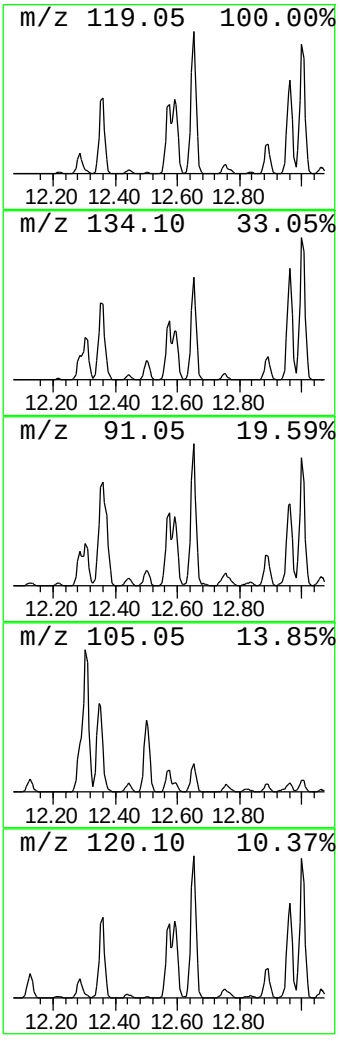
****

Peak Number 20 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	11.74 ug/L	1887860	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

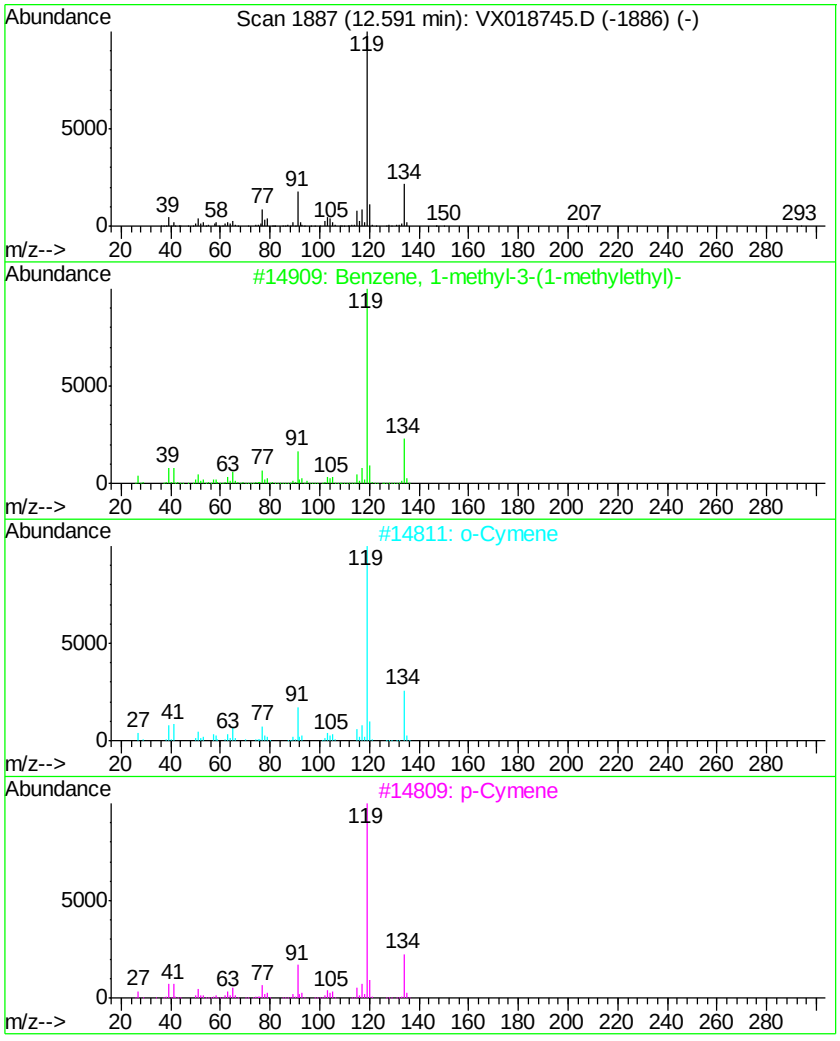
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

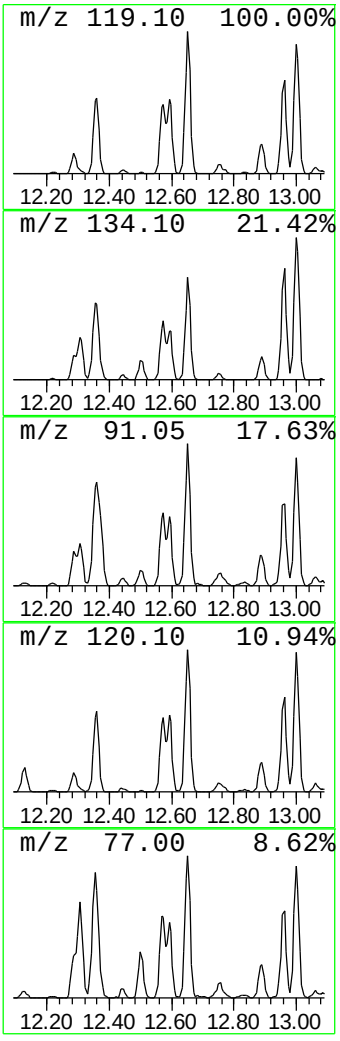
****

Peak Number 21 Benzene, 1-methyl-3-(1-meth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	7.18 ug/L	1153720	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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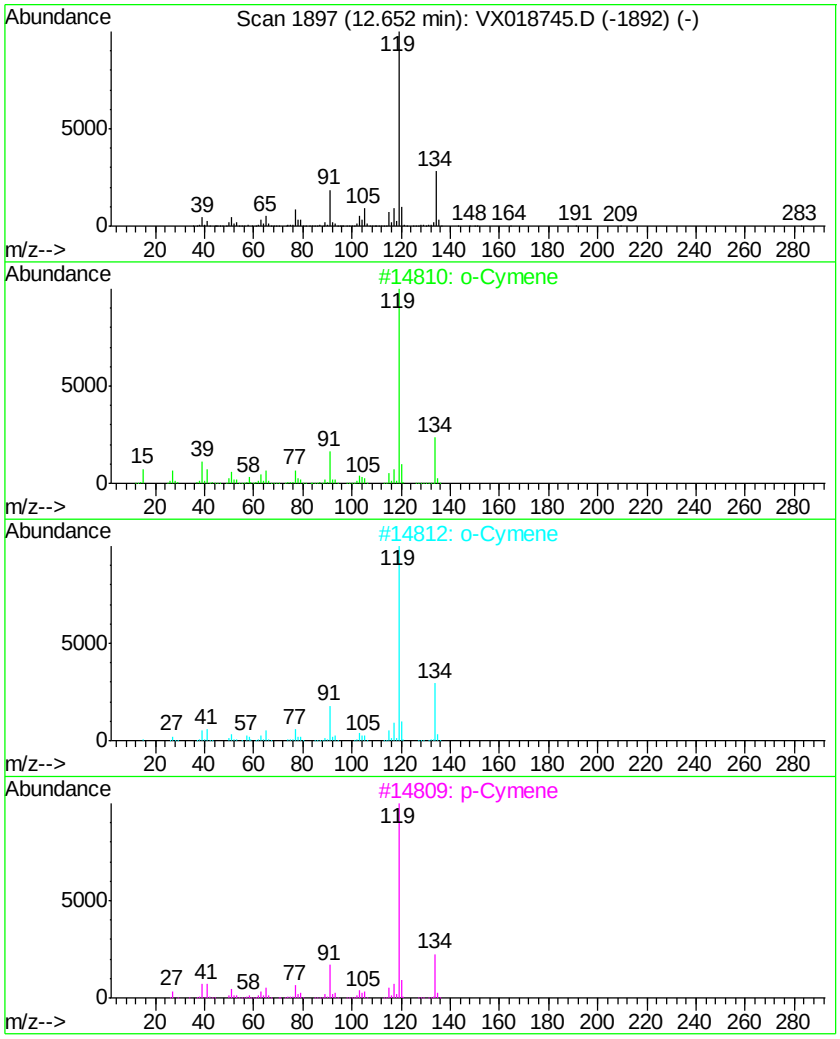
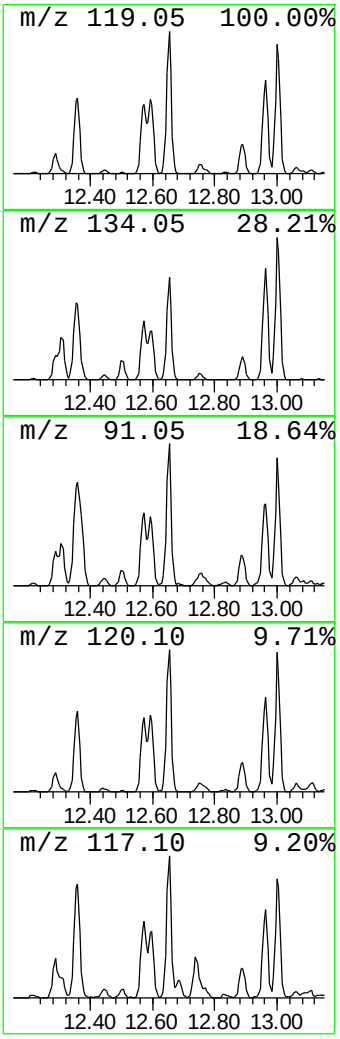
Peak Number 22 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	17.76 ug/L	2854610	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	p-Cymene	134	C10H14	000099-87-6	97
4	o-Cymene	134	C10H14	000527-84-4	97
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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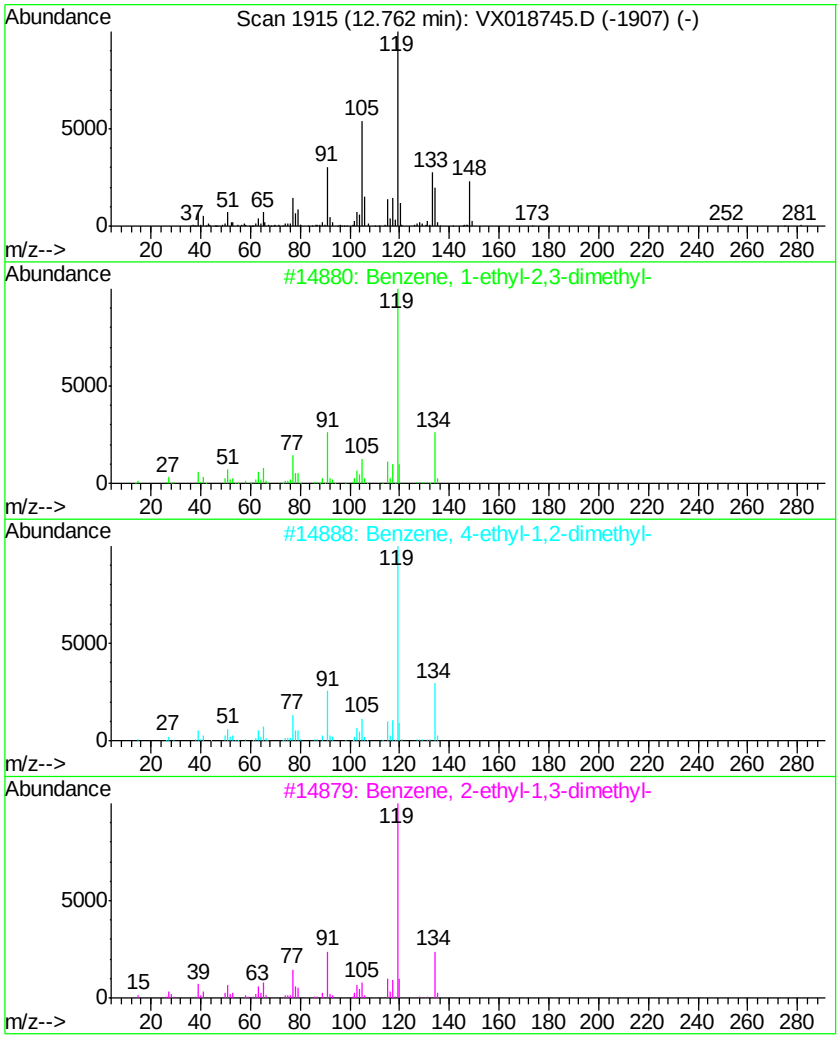
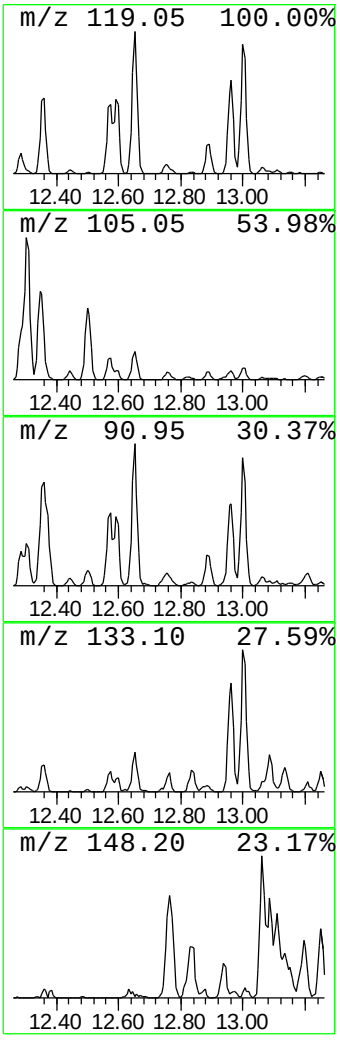
Peak Number 23 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	2.65 ug/L	426141	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	93
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	o-Cymene	134	C10H14	000527-84-4	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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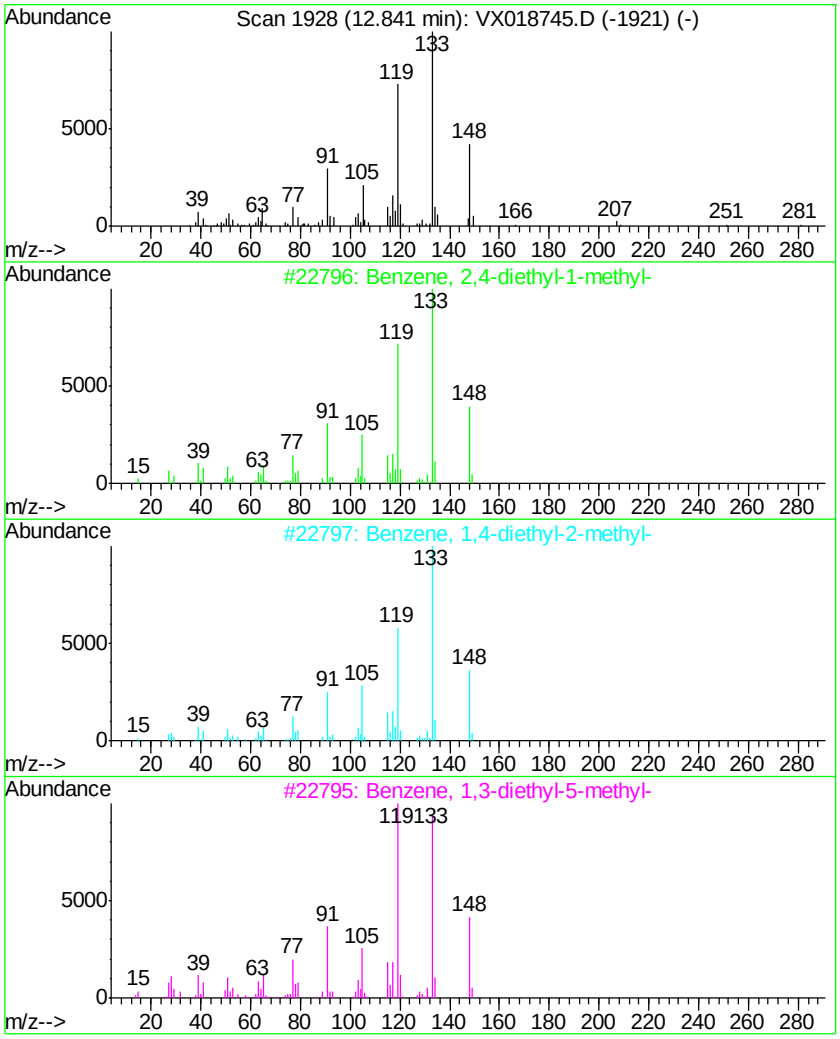
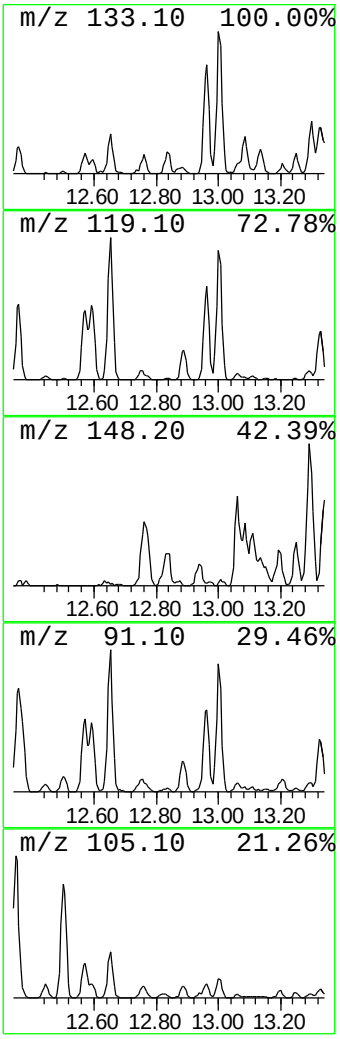
Peak Number 24 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	0.58 ug/L	92841	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	94
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	94
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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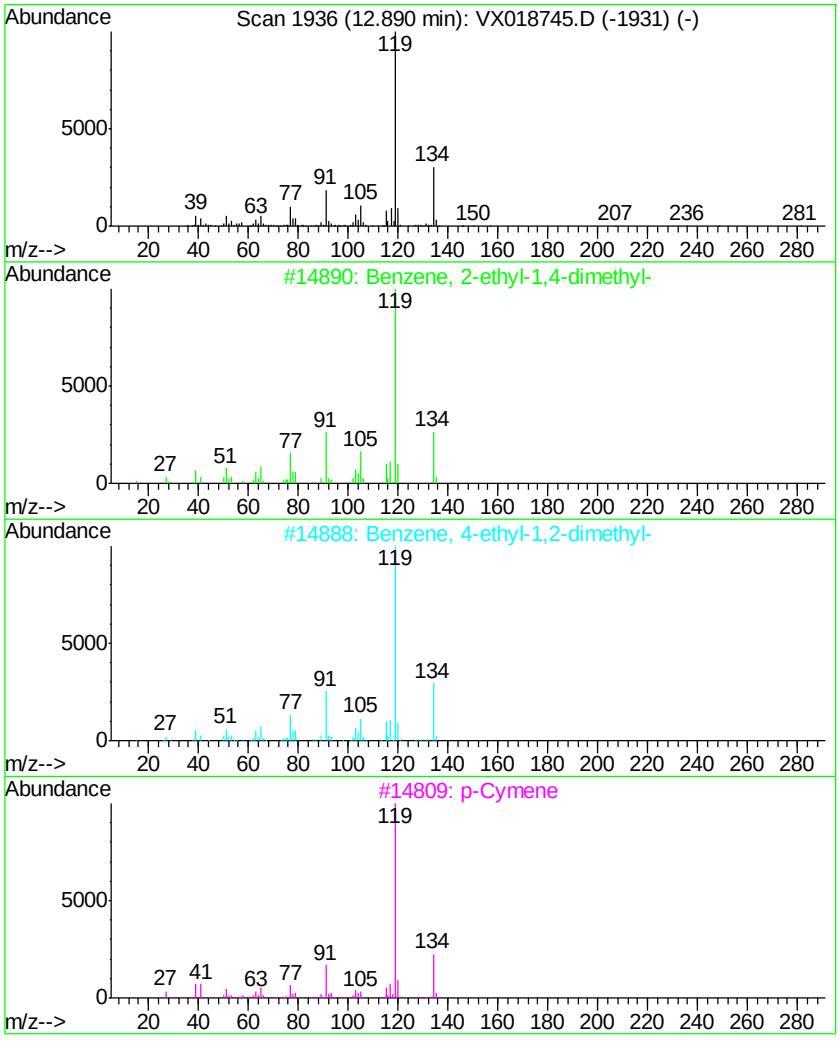
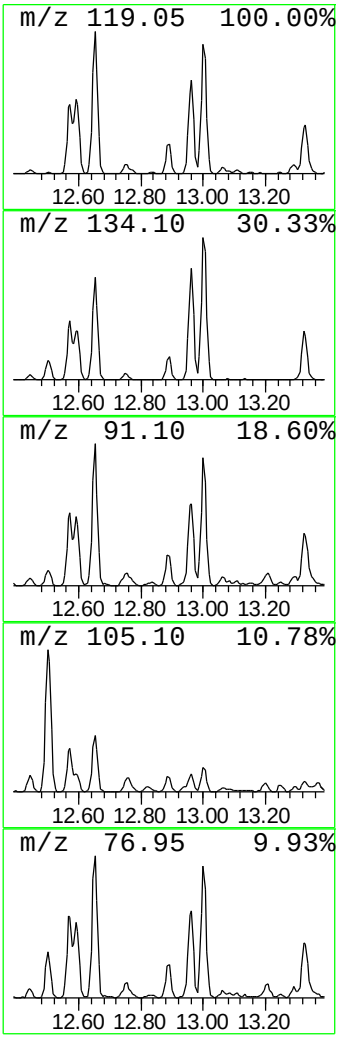
Peak Number 25 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	4.49 ug/L	722169	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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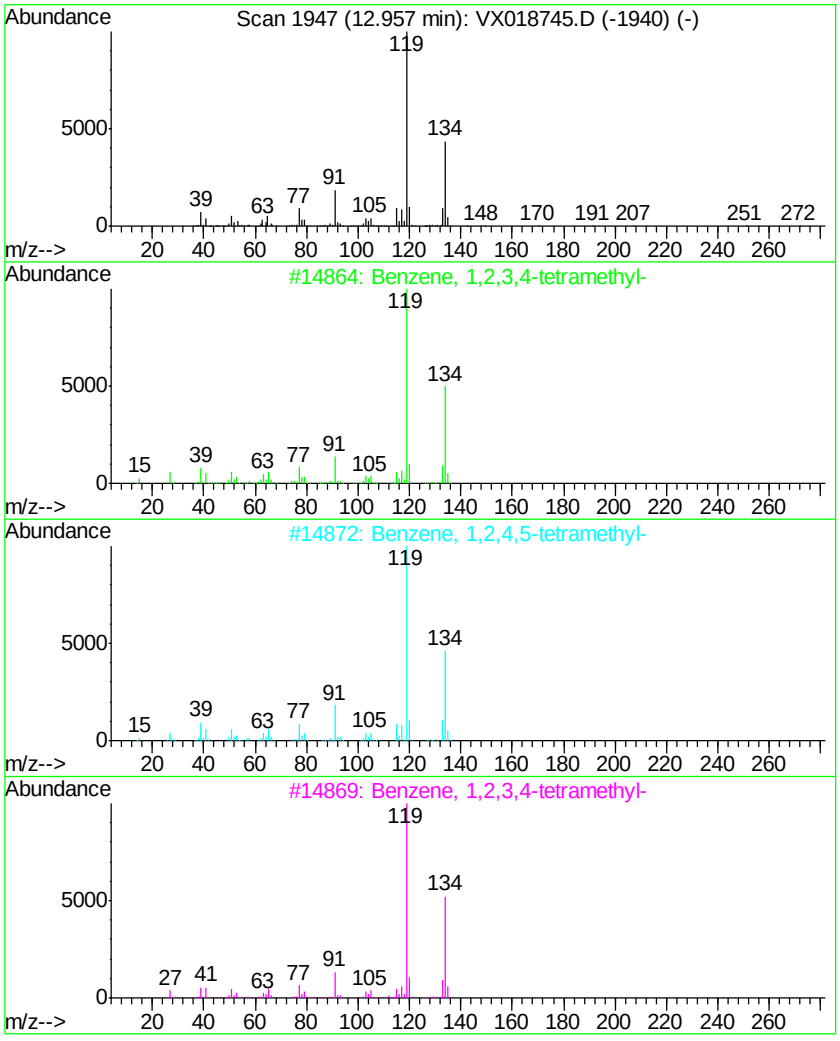
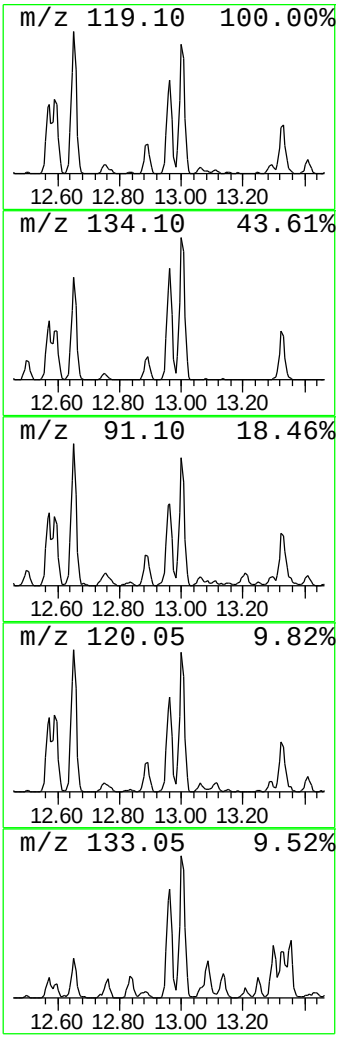
Peak Number 26 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	13.21 ug/L	2122780	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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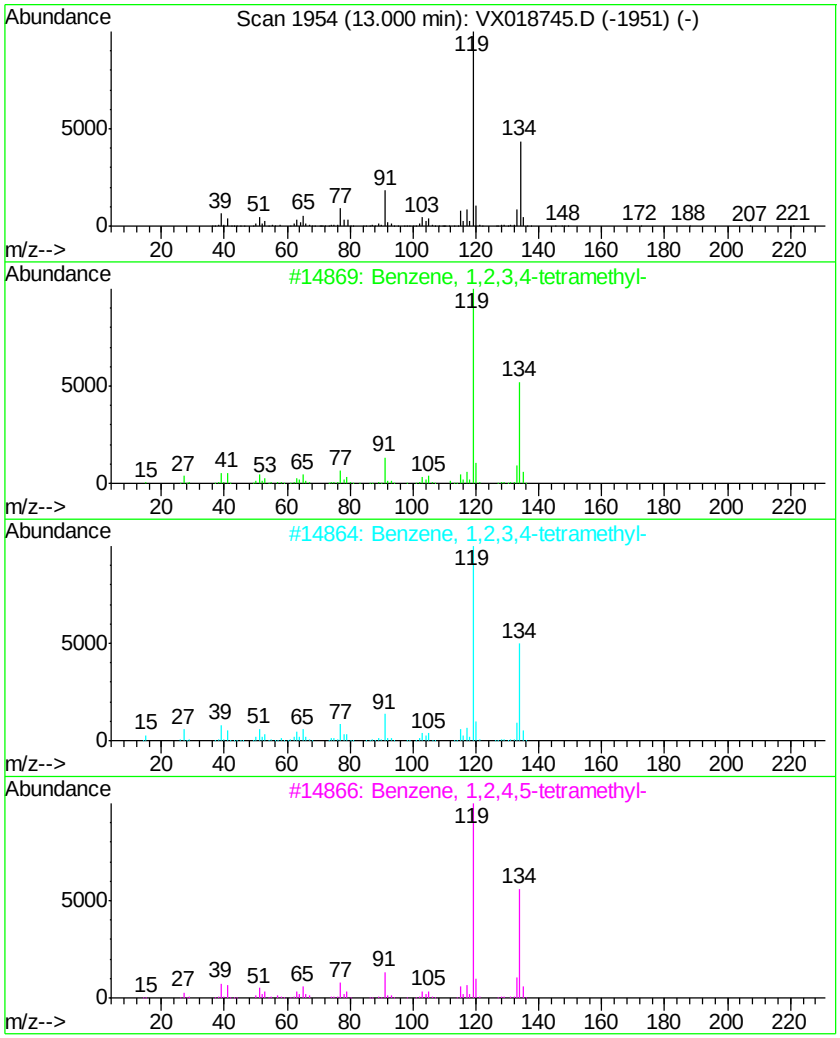
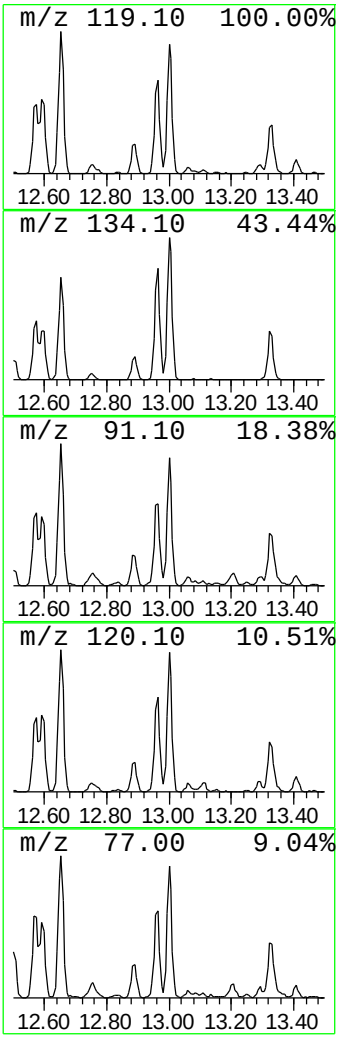
Peak Number 27 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	17.53 ug/L	2818430	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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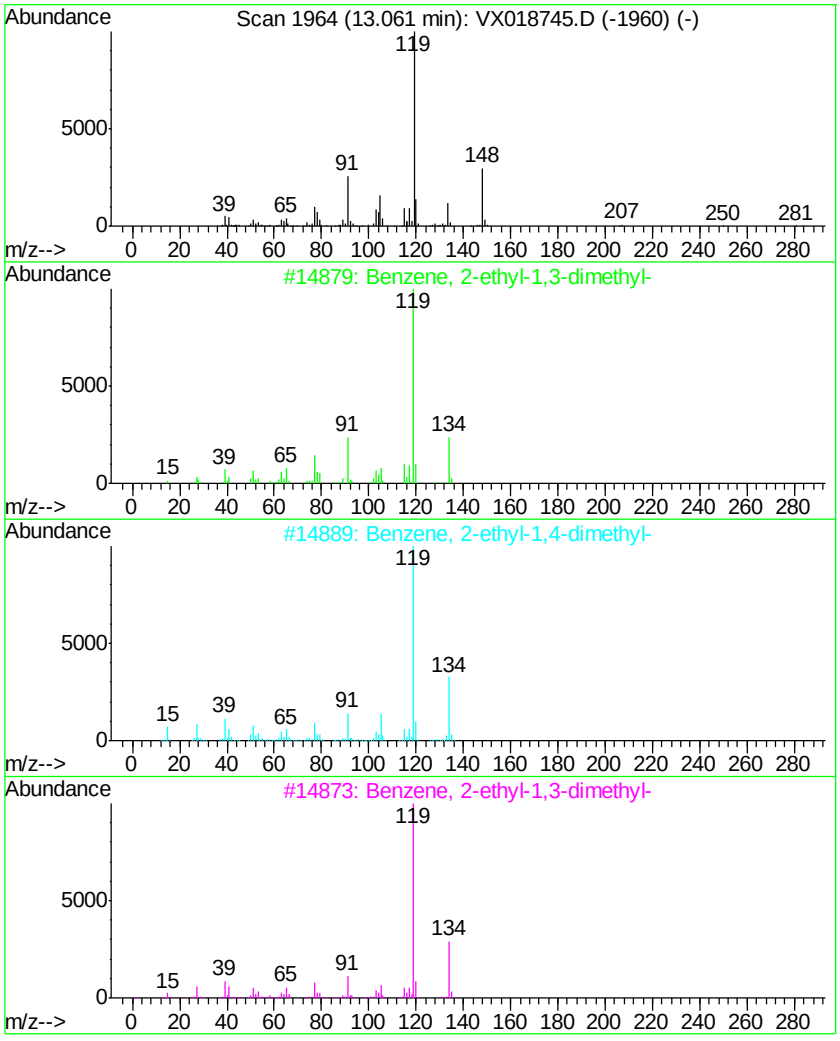
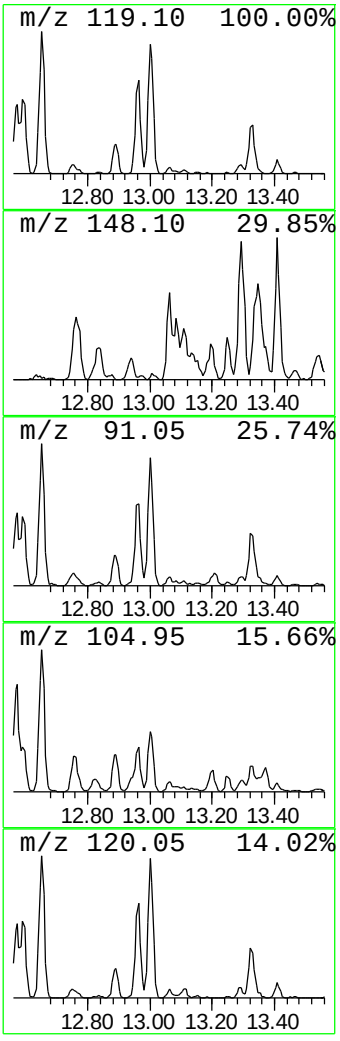
Peak Number 28 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	0.96 ug/L	154660	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	81
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	74
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	74
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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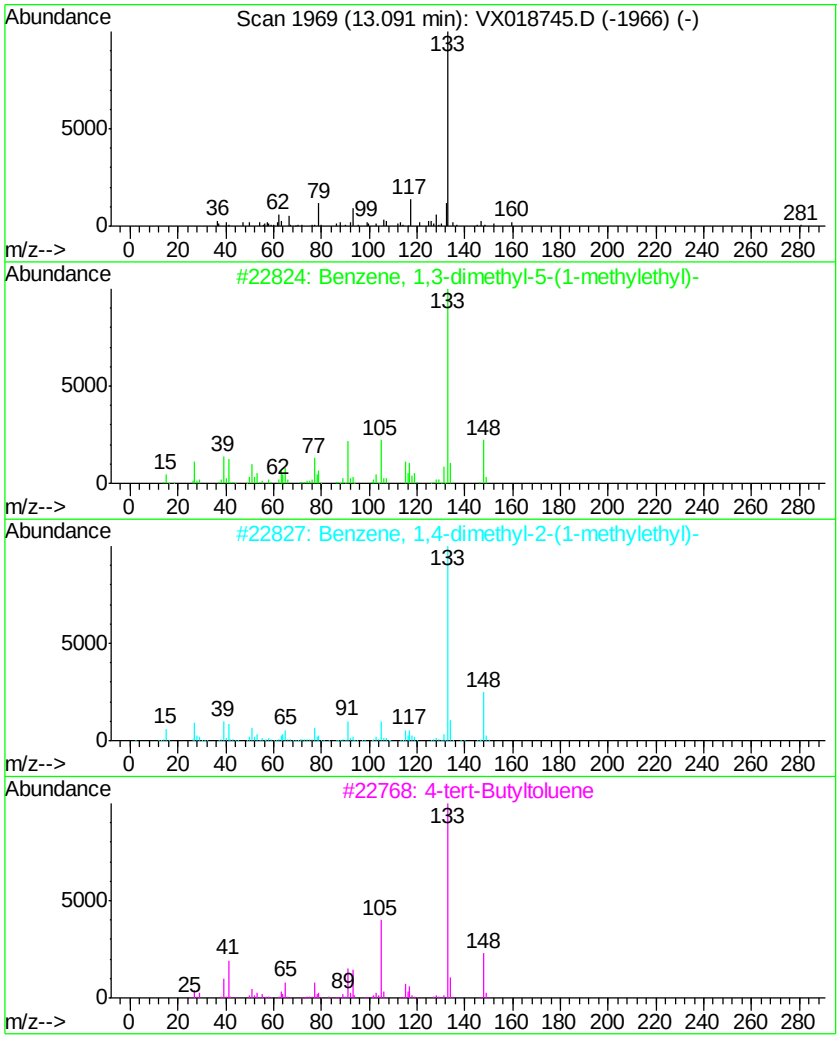
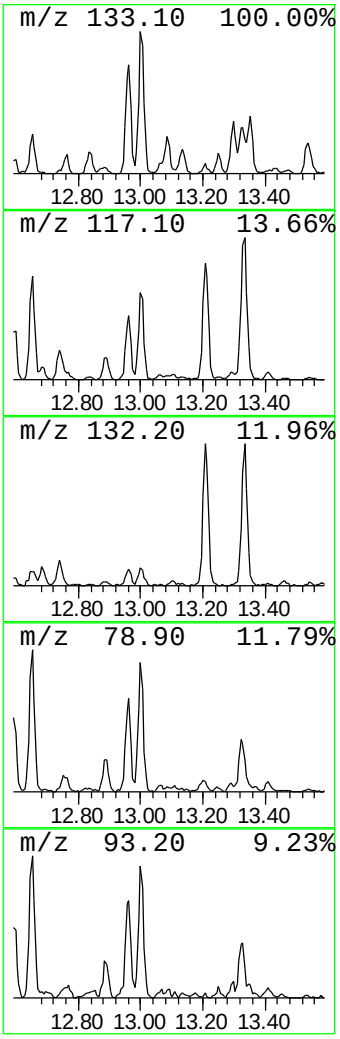
Peak Number 29 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	0.62 ug/L	99000	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	72
2	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	50
3	4-tert-Butyltoluene	148	C11H16	000098-51-1	39
4	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	39
5	4-tert-Butyltoluene	148	C11H16	000098-51-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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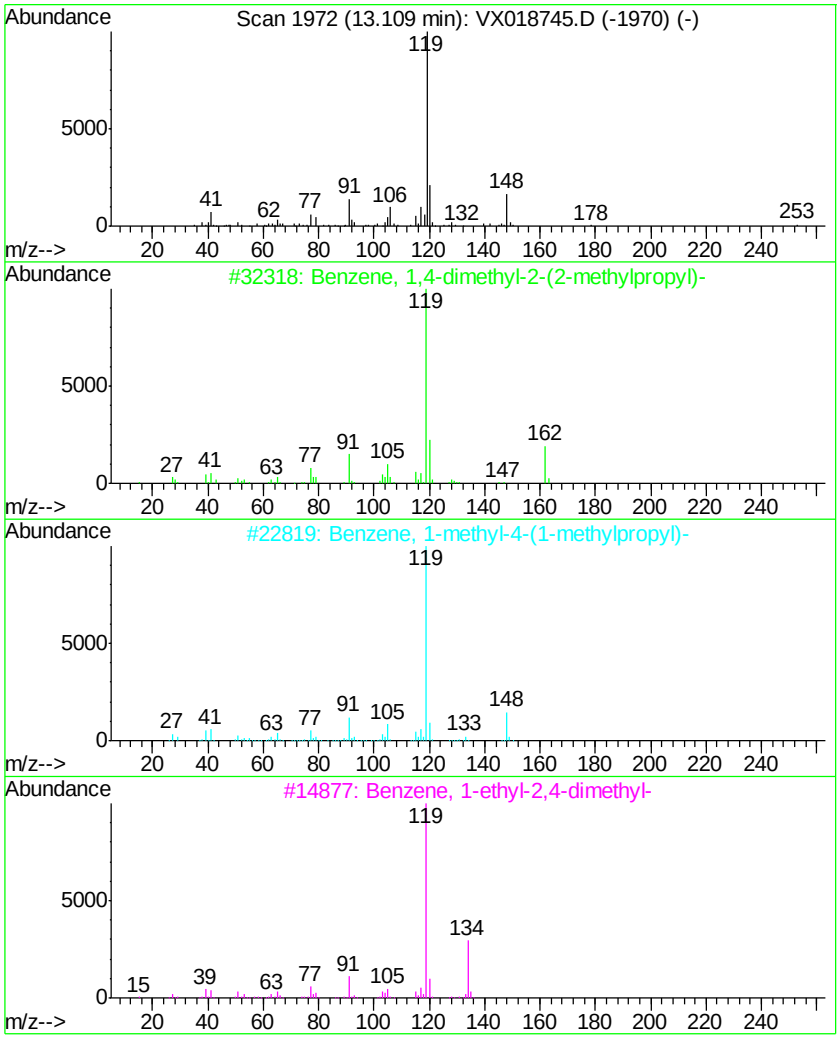
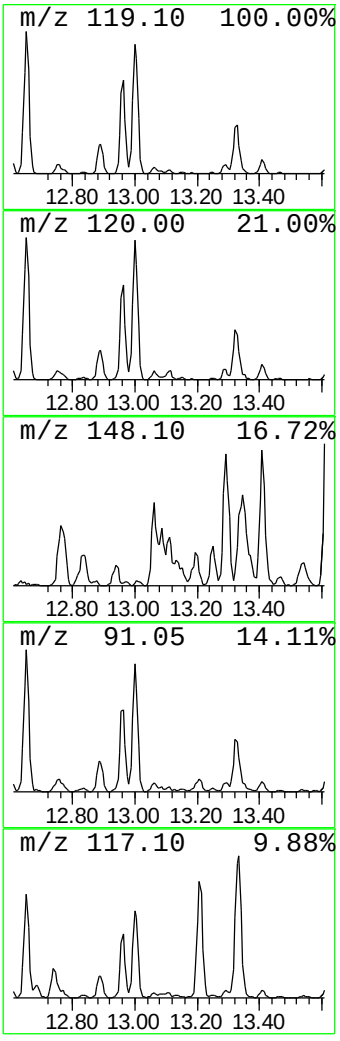
Peak Number 30 Benzene, 1,4-dimethyl-2-(2-... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	0.52 ug/L	83665	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	64
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	59
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	53
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

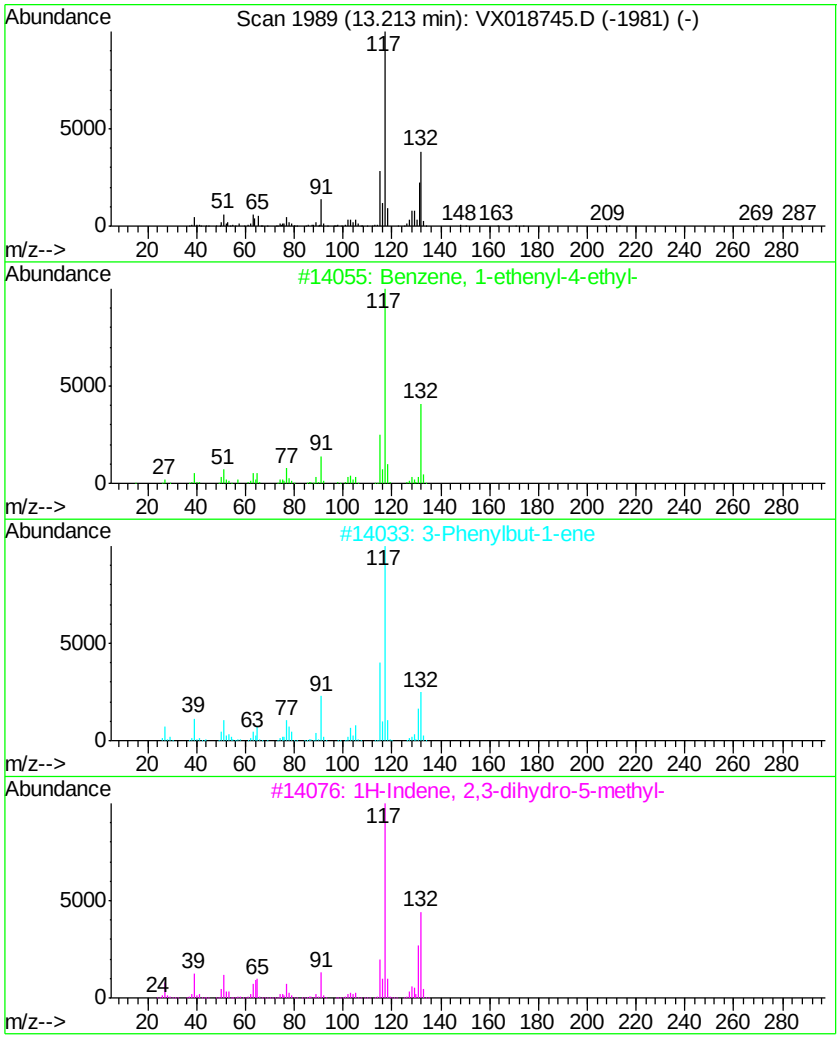
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

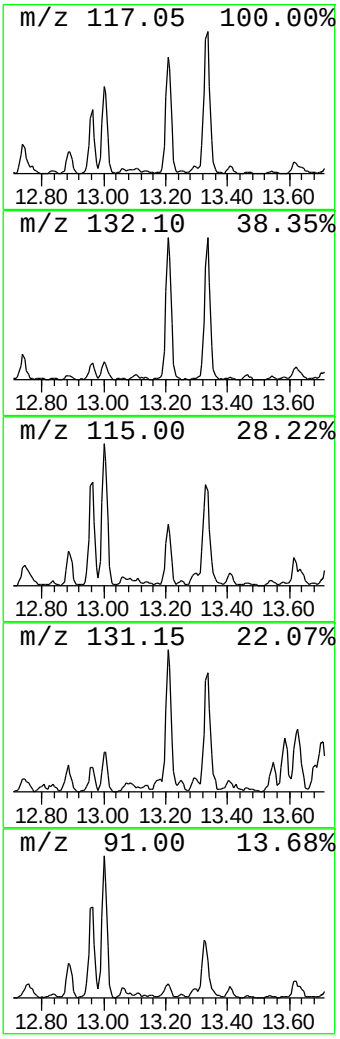
****

Peak Number 31 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	2.96 ug/L	475040	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

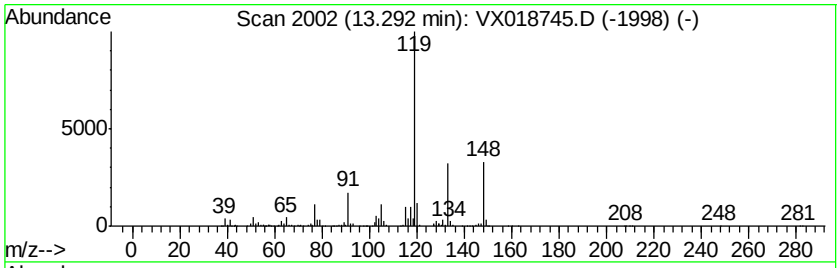
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

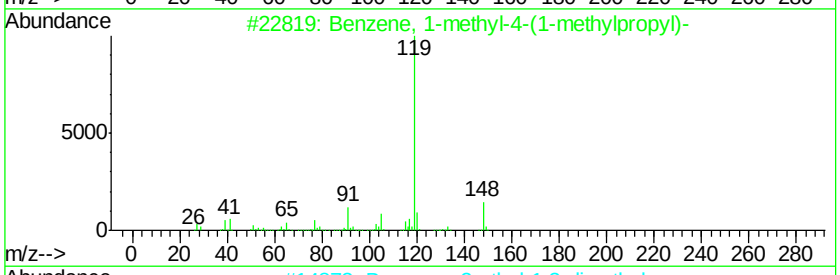
****

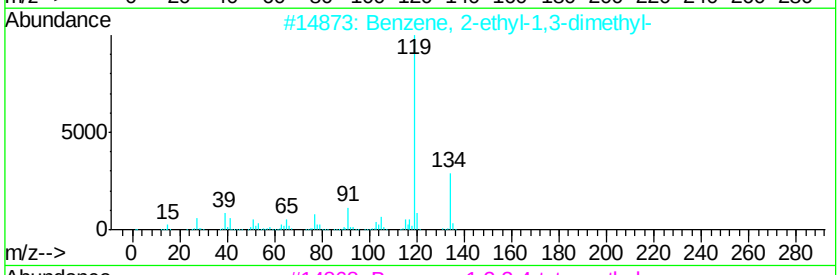
Peak Number 32 Benzene, 1-methyl-4-(1-meth... Concentration Rank 22

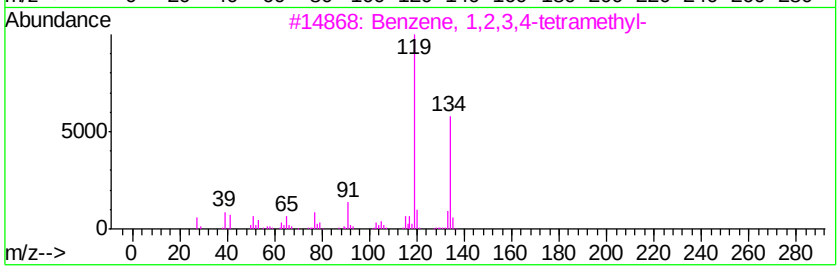
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	1.62 ug/L	260349	1,4-Dichlorobenzene-d4	12.06

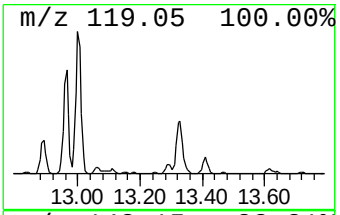
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	81
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	59
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	59
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	59

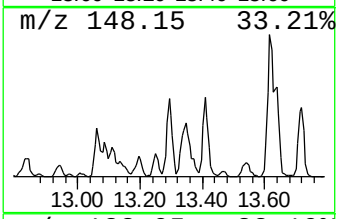


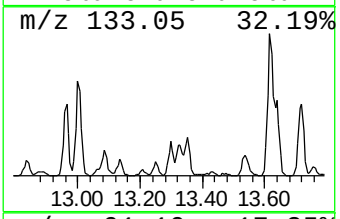


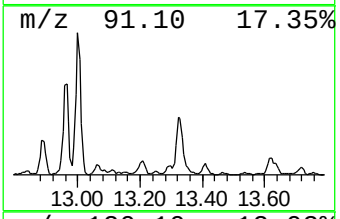


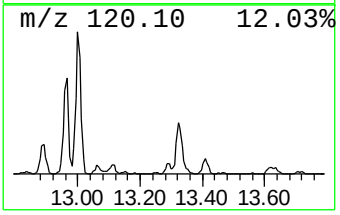












Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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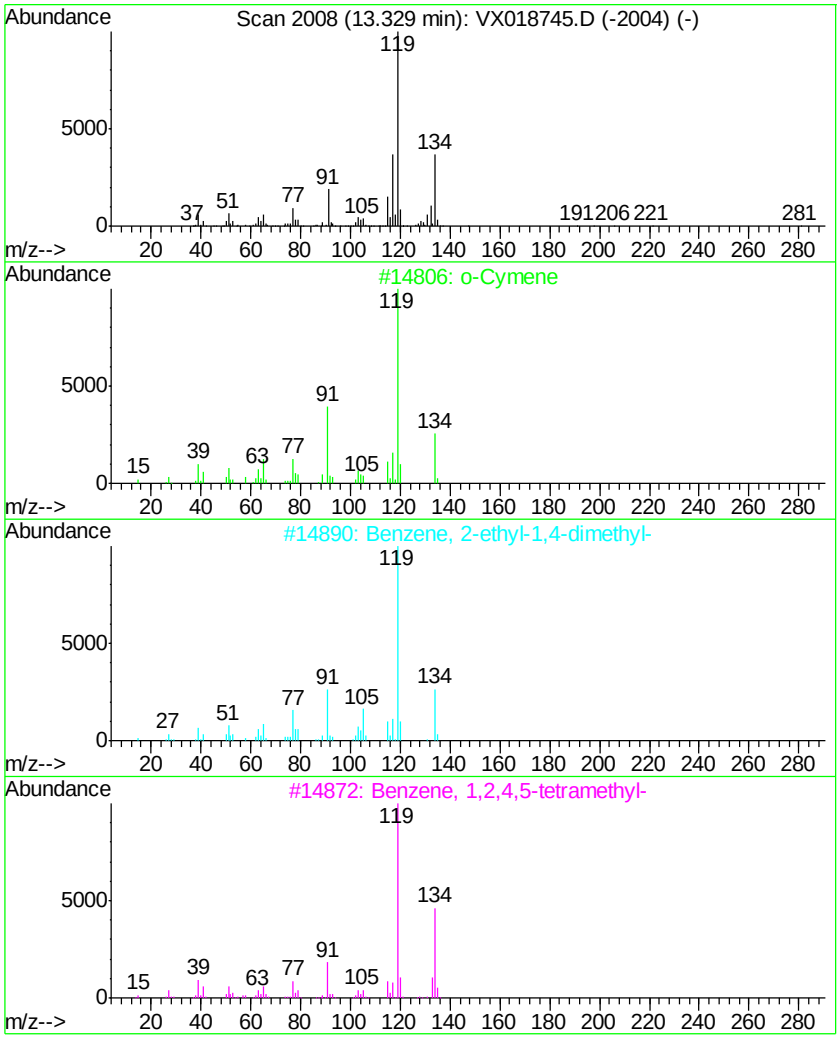
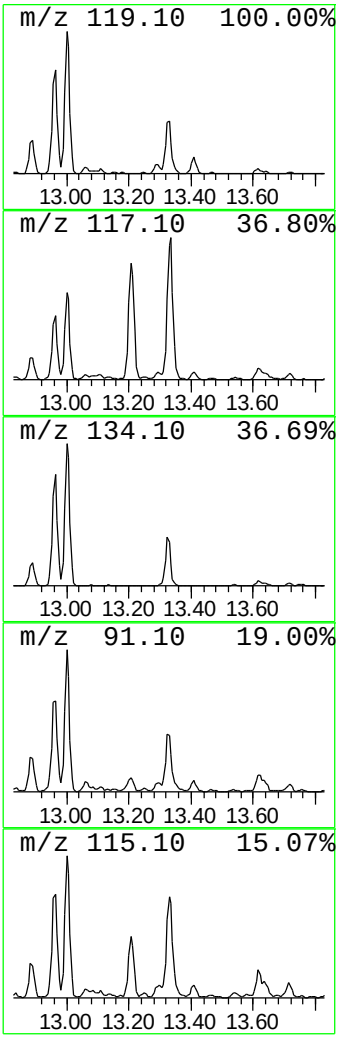
Peak Number 33 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	10.56 ug/L	1698160	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	81
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	76
5	o-Cymene	134	C10H14	000527-84-4	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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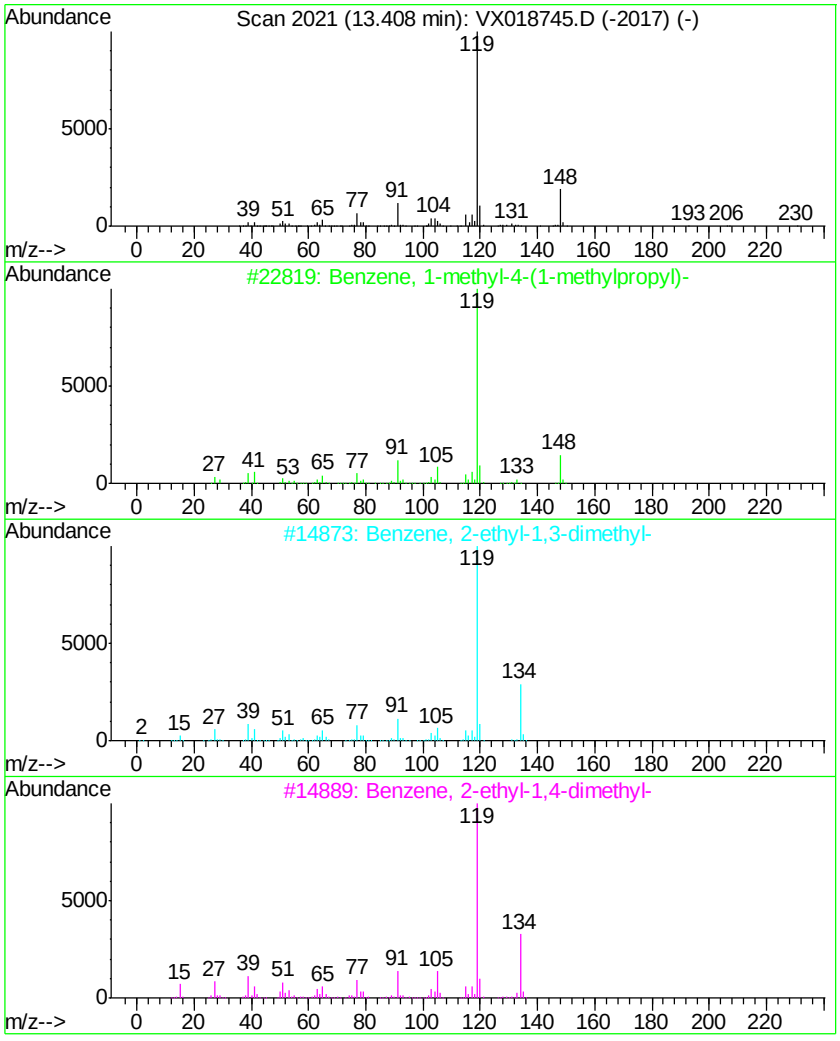
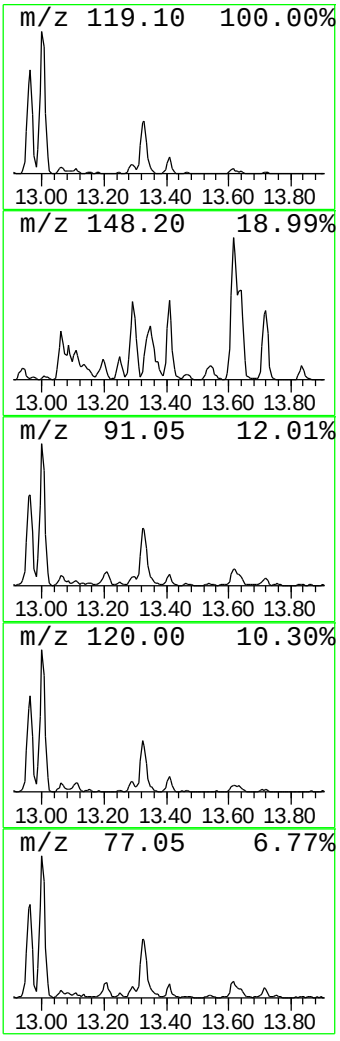
Peak Number 34 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	1.58 ug/L	253309	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	91
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	80
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	72
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	72
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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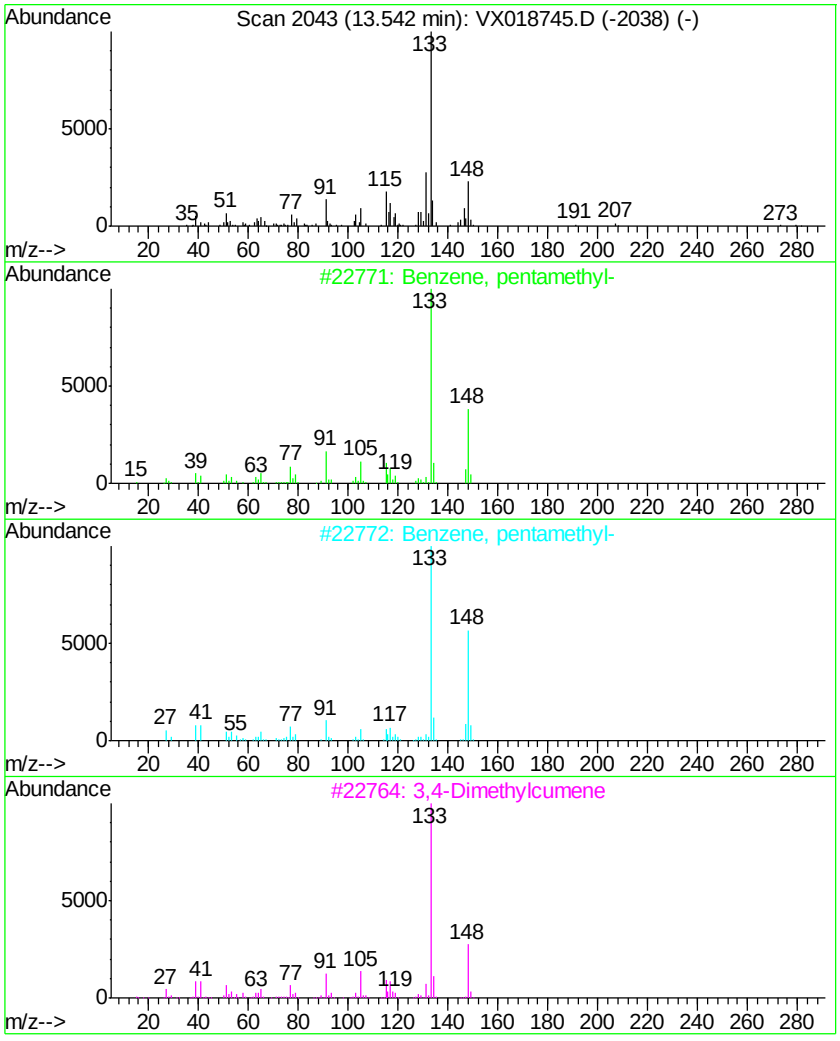
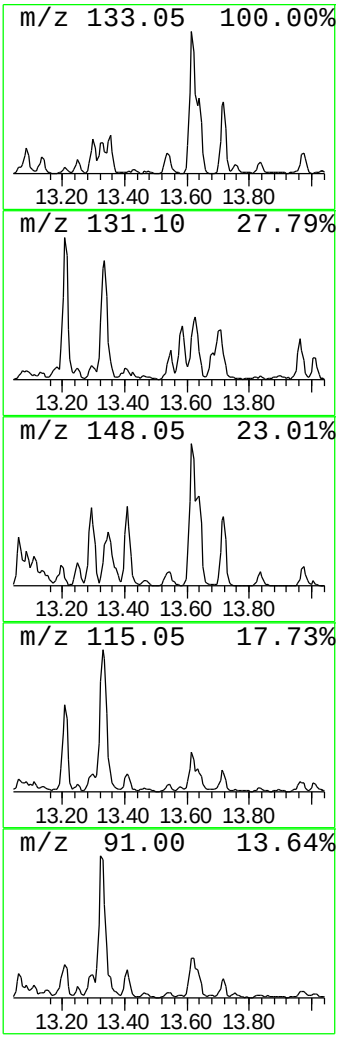
Peak Number 35 Benzene, pentamethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	0.52 ug/L	83646	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	68
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	64
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	58
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

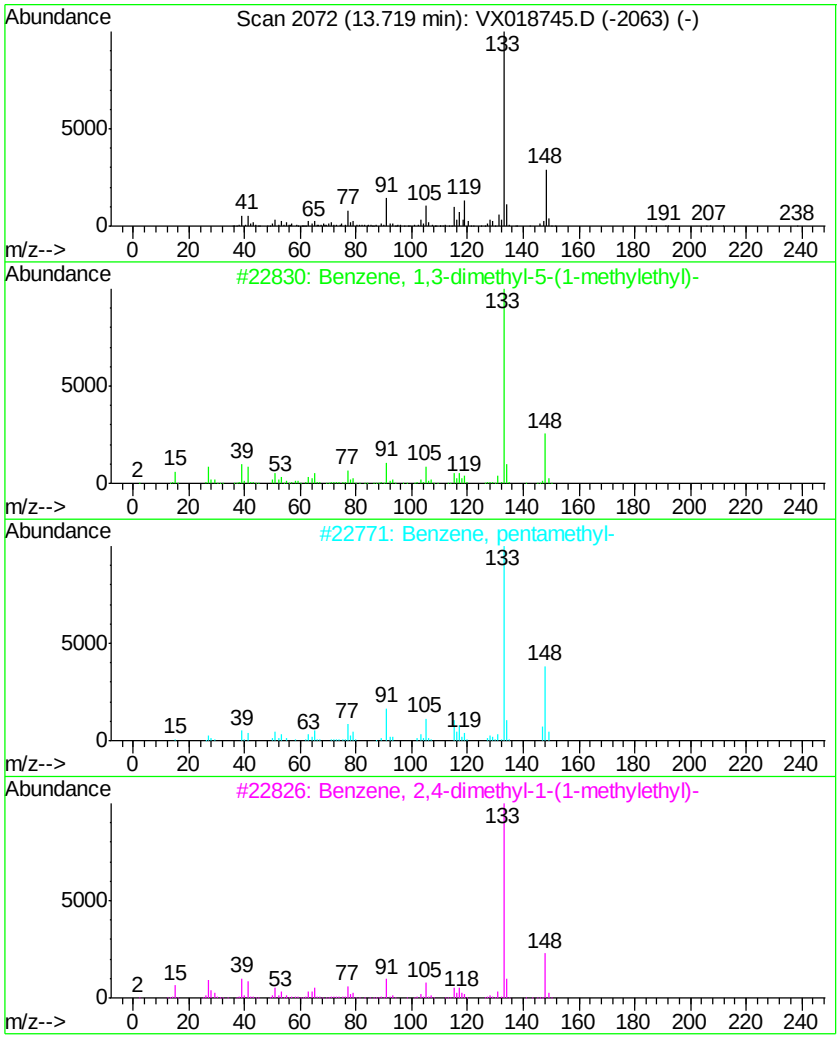
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

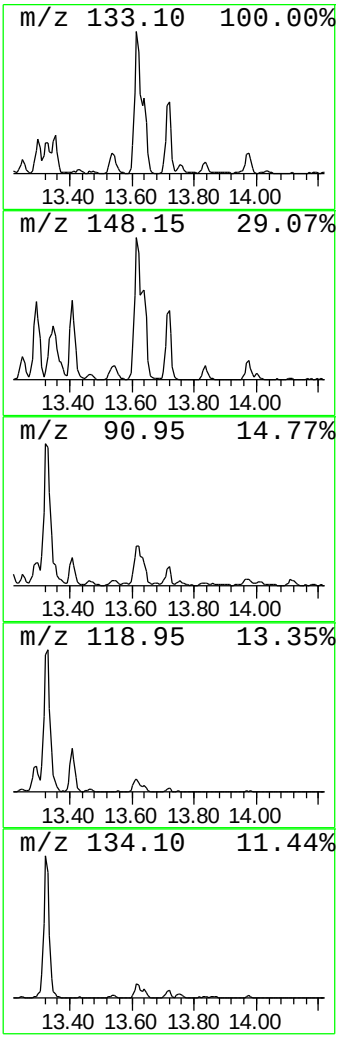
****

Peak Number 36 3,4-Dimethylcumene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	1.64 ug/L	263204	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	93
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	90
3	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	90
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	90
5	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018745.D
Acq On : 02 Oct 2020 14:12
Operator : JC/SP
Sample : L4171-12DL 5X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9DL 5X

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.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...	2.87	7.8	ug/L	782921	1	6.83	501028	5.0
(DEL) Alkane: Str...	3.15	17.8	ug/L	1785890	1	6.83	501028	5.0
(DEL) Alkane: Str...	3.50	24.6	ug/L	2465310	1	6.83	501028	5.0
Hexane, 1-(hexylo...	4.11	1.3	ug/L	131442	1	6.83	501028	5.0
(DEL) Alkane: Str...	4.28	1.0	ug/L	100812	1	6.83	501028	5.0
(DEL) Alkane: Cyc...	4.37	0.7	ug/L	72595	1	6.83	501028	5.0
Benzene, propyl-	11.34	5.2	ug/L	829525	3	12.06	803726	5.0
Benzene, 1-ethyl-...	11.42	7.9	ug/L	1265420	3	12.06	803726	5.0
Mesitylene	11.49	6.2	ug/L	989662	3	12.06	803726	5.0
Benzene, 1-ethyl-...	11.65	1.5	ug/L	240495	3	12.06	803726	5.0
Benzene, 1,2,3-tr...	11.79	10.6	ug/L	1707810	3	12.06	803726	5.0
Benzene, (2-methy...	11.90	1.0	ug/L	167846	3	12.06	803726	5.0
Oxirane, 2-methyl...	11.93	1.3	ug/L	203763	3	12.06	803726	5.0
Benzene, 1,2,4-tr...	12.13	0.8	ug/L	132788	3	12.06	803726	5.0
Benzene, 1,4-diet...	12.29	4.5	ug/L	723681	3	12.06	803726	5.0
Benzene, 1-methyl...	12.30	7.7	ug/L	1235640	3	12.06	803726	5.0
Benzene, 1,2-diet...	12.44	0.9	ug/L	150865	3	12.06	803726	5.0
2-Tolyloxirane	12.50	3.8	ug/L	607806	3	12.06	803726	5.0
Benzene, 2-ethyl-...	12.57	11.7	ug/L	1887860	3	12.06	803726	5.0
Benzene, 1-methyl...	12.59	7.2	ug/L	1153720	3	12.06	803726	5.0
o-Cymene	12.65	17.8	ug/L	2854610	3	12.06	803726	5.0
Benzene, 1-ethyl-...	12.76	2.6	ug/L	426141	3	12.06	803726	5.0
Benzene, 2,4-diet...	12.84	0.6	ug/L	92841	3	12.06	803726	5.0
Benzene, 4-ethyl-...	12.89	4.5	ug/L	722169	3	12.06	803726	5.0
Benzene, 1,2,3,4-...	12.96	13.2	ug/L	2122780	3	12.06	803726	5.0
Benzene, 1,2,4,5-...	13.00	17.5	ug/L	2818430	3	12.06	803726	5.0
Benzene, 2-ethyl-...	13.06	1.0	ug/L	154660	3	12.06	803726	5.0
Benzene, 1,3-dime...	13.09	0.6	ug/L	99000	3	12.06	803726	5.0
Benzene, 1,4-dime...	13.11	0.5	ug/L	83665	3	12.06	803726	5.0
Benzene, 1-etheny...	13.21	3.0	ug/L	475040	3	12.06	803726	5.0
Benzene, 1-methyl...	13.29	1.6	ug/L	260349	3	12.06	803726	5.0
unknown-01	13.33	10.6	ug/L	1698160	3	12.06	803726	5.0
Benzene, 1-ethyl-...	13.41	1.6	ug/L	253309	3	12.06	803726	5.0
Benzene, pentamet...	13.54	0.5	ug/L	83646	3	12.06	803726	5.0
3,4-Dimethylcumene	13.72	1.6	ug/L	263204	3	12.06	803726	5.0