LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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	2.343	201	206	213	rBV	169620	269984	2.44%	0.304%
2	2.824	277	285	286	rBV	234939	359226	3.25%	0.404%
3	2.873	287	293	308	rVB	1750047	3647002	33.00%	4.102%
4	3.153	326	339	356	rBV	3856059	8730947	78.99%	9.819%
5	3.501	385	396	412	rBV	4941612	11053181	100.00%	12.431%
6	4.117	486	497	510	rBV2	163333	492225	4.45%	0.554%
7	4.281	510	524	532	rVV	117763	368210	3.33%	0.414%
8	4.373	532	539	552	rVB2	118974	341088	3.09%	0.384%
9	4.556	557	569	585	rBV	67775	285946	2.59%	0.322%
10	5.141	652	665	681	rBV	103567	343348	3.11%	0.386%
11	6.043	803	813	832	rVB3	236247	694127	6.28%	0.781%
12	6.830	930	942	957	rBV2	197266	481340	4.35%	0.541%
13	7.372	1022	1031	1039	rBV	143064	321613	2.91%	0.362%
14	8.372	1187	1195	1202	rBV	107028	176140	1.59%	0.198%
15	8.695	1243	1248	1255	rVB	383344	595658	5.39%	0.670%
16	8.994	1292	1297	1313	rVB	70734	129991	1.18%	0.146%
17	9.427	1362	1368	1383	rBV	472628	682561	6.18%	0.768%
18	10.097	1472	1478	1488	rBV	416723	571875	5.17%	0.643%
19	11.231	1659	1664	1673	rVB	163552	208817	1.89%	0.235%
20	11.341	1677	1682	1689	rVV	1474114	1812925	16.40%	2.039%
21	11.420	1689	1695	1702	rVV	1897635	3663935	33.15%	4.121%
22	11.493	1702	1707	1717	rVB	1804978	2304939	20.85%	2.592%
23	11.652	1728	1733	1741	rVB	391904	476808	4.31%	0.536%
24	11.792	1751	1756	1761	rVB	3072874	3533440	31.97%	3.974%
25	11.902	1767	1774	1776	rBV	258121	314230	2.84%	0.353%
26	11.932	1776	1779	1784	rVV	337319	407299	3.68%	0.458%
27	12.012	1786	1792	1795	rVV	693560	851241	7.70%	0.957%
28	12.060	1795	1800	1806	rVB2	593435	924795	8.37%	1.040%
29	12.127	1806	1811	1816	rBV	218810	264258	2.39%	0.297%
30	12.286	1832	1837	1838	rBV	1357219	1438161	13.01%	1.617%
31	12.304	1838	1840	1844	rVV	2029167	2486792	22.50%	2.797%
32	12.359	1844	1849	1858	rVB2	4052069	5814409	52.60%	6.539%
33	12.444	1858	1863	1867	rBV	230774	276754	2.50%	0.311%
34	12.499	1867	1872	1878	rVB	994566	1193944	10.80%	1.343%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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	12.573	1878	1884	1886	rBV	2609643	3621933	32.77%	4.073%
36	12.597	1886	1888	1892	rVB	2349115	2349393	21.26%	2.642%
37	12.652	1892	1897	1902	rBV	4871933	5626831	50.91%	6.328%
38	12.755	1907	1914	1920	rVV4	410342	799730	7.24%	0.899%
39	12.835	1922	1927	1931	rVV2	110249	158791	1.44%	0.179%
40	12.890	1931	1936	1941	rVV	1172813	1379518	12.48%	1.551%
41	12.963	1941	1948	1951	rVV	3096228	3854094	34.87%	4.335%
42	12.999	1951	1954	1960	rVV	4600754	5591856	50.59%	6.289%
43	13.060	1960	1964	1966	rVV	215034	260161	2.35%	0.293%
44	13.109	1970	1972	1974	rVV	139143	145845	1.32%	0.164%
45	13.133	1974	1976	1981	rVV2	70118	119615	1.08%	0.135%
46	13.207	1981	1988	1992	rVV	787389	989312	8.95%	1.113%
47	13.249	1992	1995	1998	rVV	104837	117465	1.06%	0.132%
48	13.292	1998	2002	2004	rVV2	329025	459839	4.16%	0.517%
49	13.328	2004	2008	2017	rVV2	2172879	3224996	29.18%	3.627%
50	13.408	2017	2021	2027	rVV	349883	401895	3.64%	0.452%
51	13.536	2038	2042	2047	rBV2	84597	138232	1.25%	0.155%
52	13.627	2051	2057	2063	rVV2	1532808	2538720	22.97%	2.855%
53	13.719	2066	2072	2076	rVB	302771	398262	3.60%	0.448%
54	13.969	2106	2113	2115	rBV2	123656	181440	1.64%	0.204%
55	14.005	2115	2119	2132	rVB2	298345	435565	3.94%	0.490%
56	14.115	2132	2137	2143	rBV	170452	208666	1.89%	0.235%
57	14.255	2155	2160	2167	rVB	99270	148249	1.34%	0.167%
58	14.359	2172	2177	2182	rBV	95816	119190	1.08%	0.134%
59	14.676	2222	2229	2233	rBV	94602	128957	1.17%	0.145%

Sum of corrected areas: 88915764

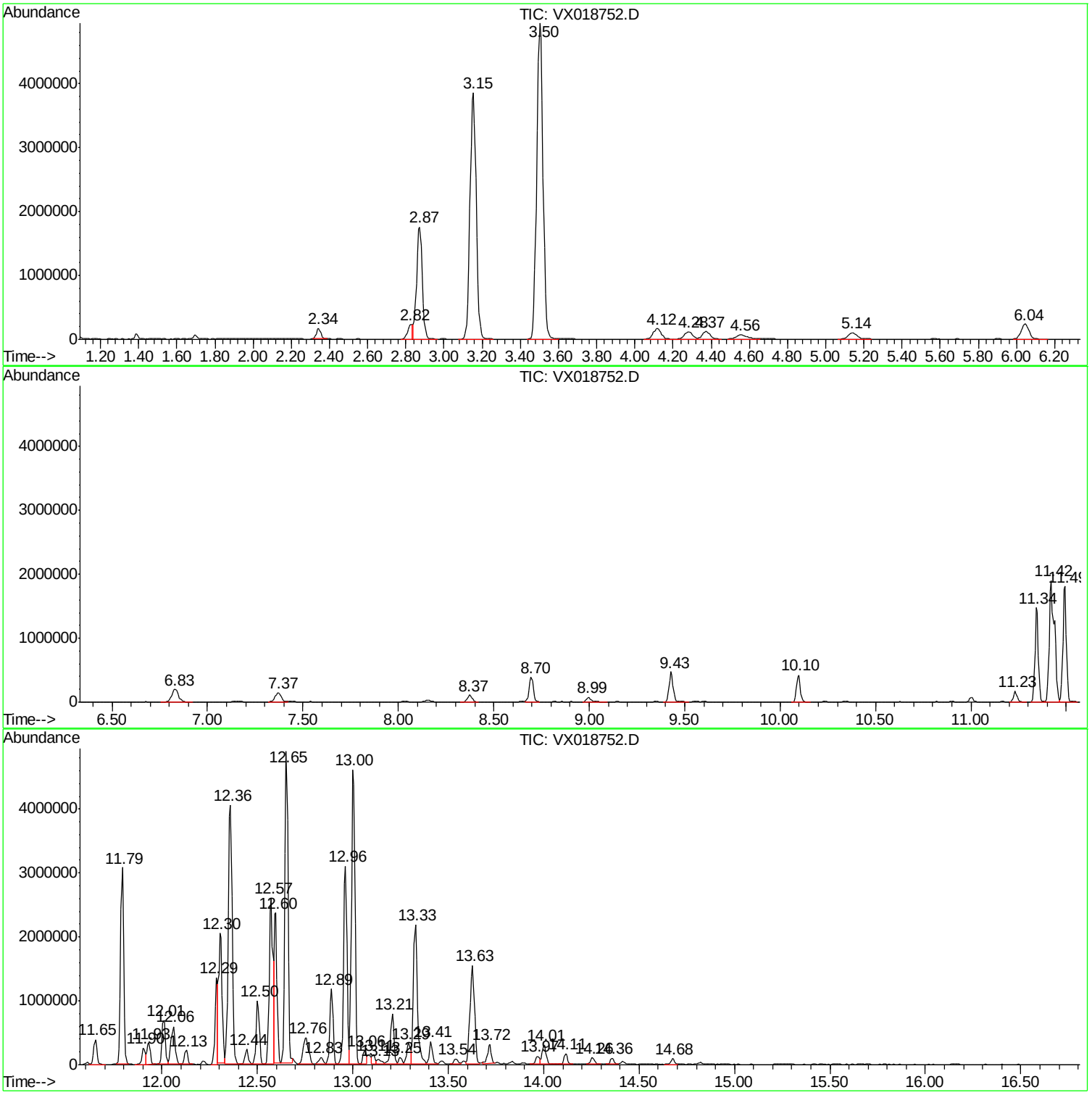
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

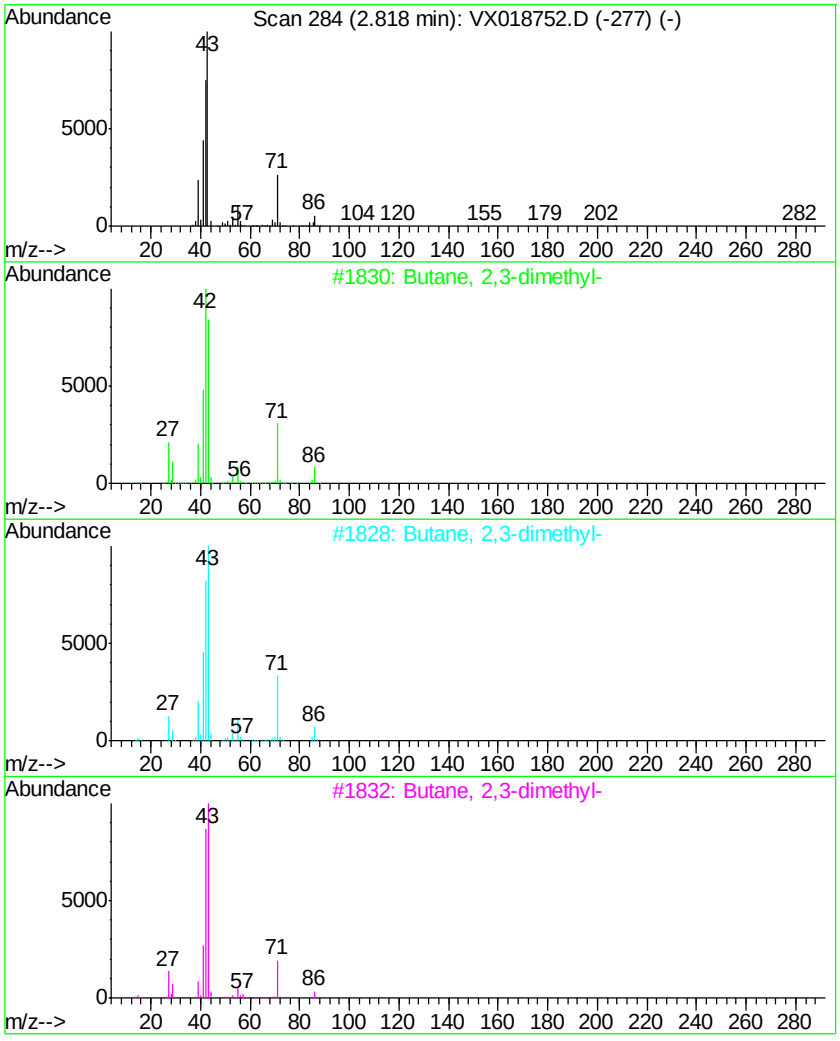
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

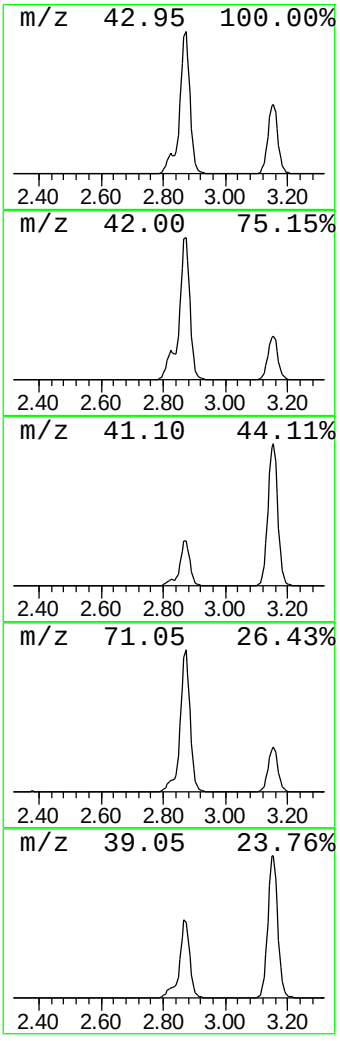
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.82	3.73 ug/L	359226	1,4-Difluorobenzene	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	78
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

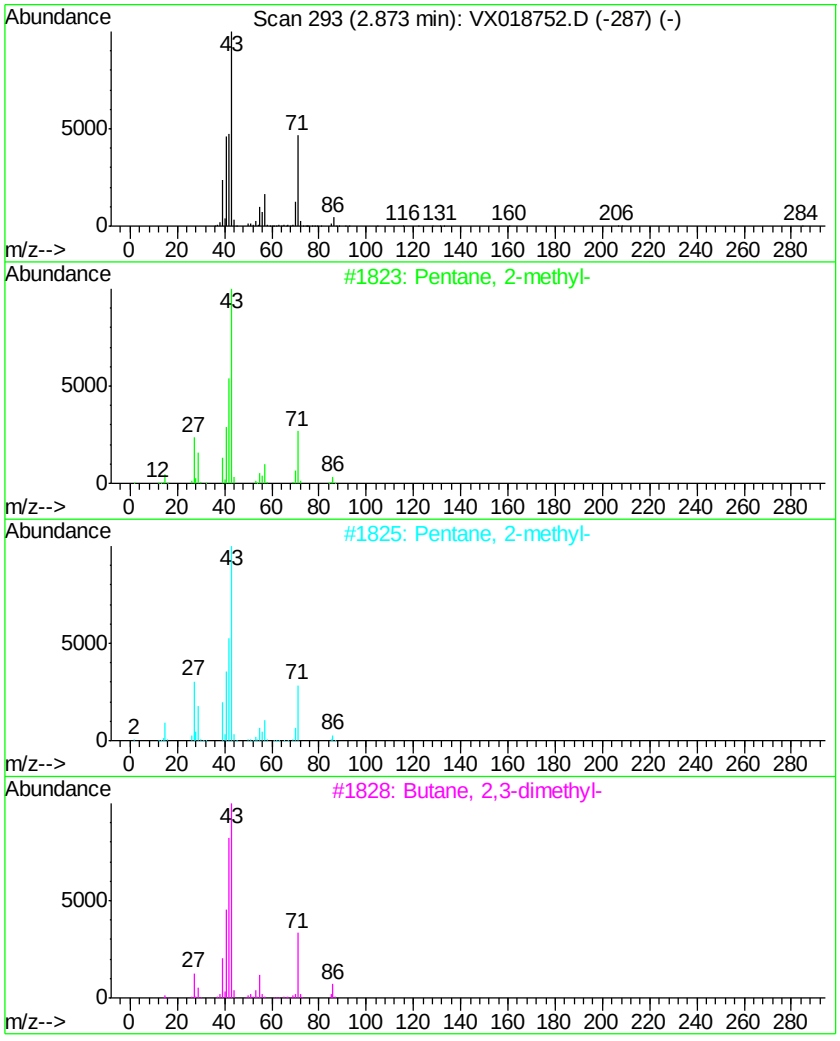
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

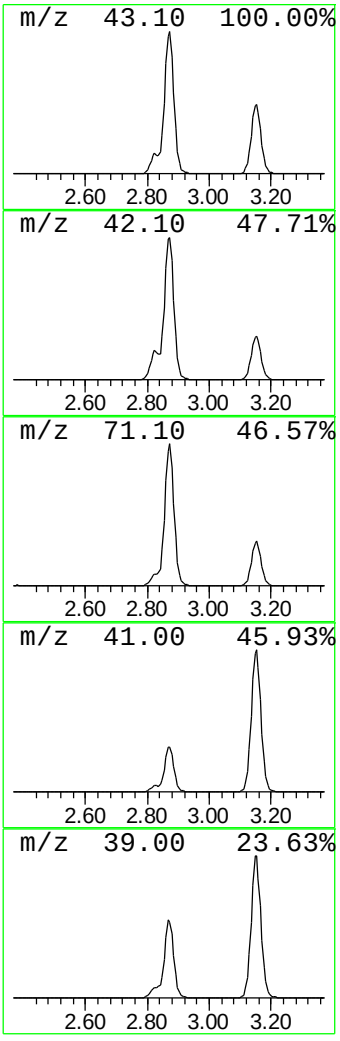
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.87	37.88 ug/L	3647000	1,4-Difluorobenzene	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49
4	Pentane	72	C5H12	000109-66-0	49
5	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

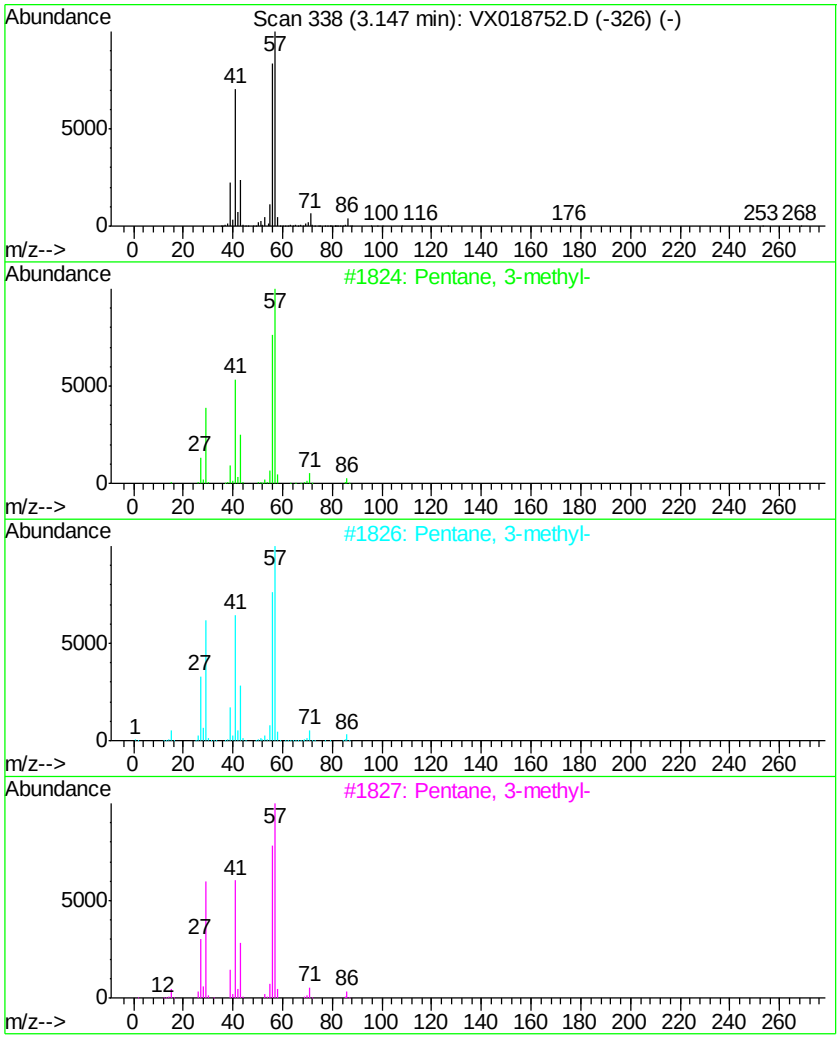
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

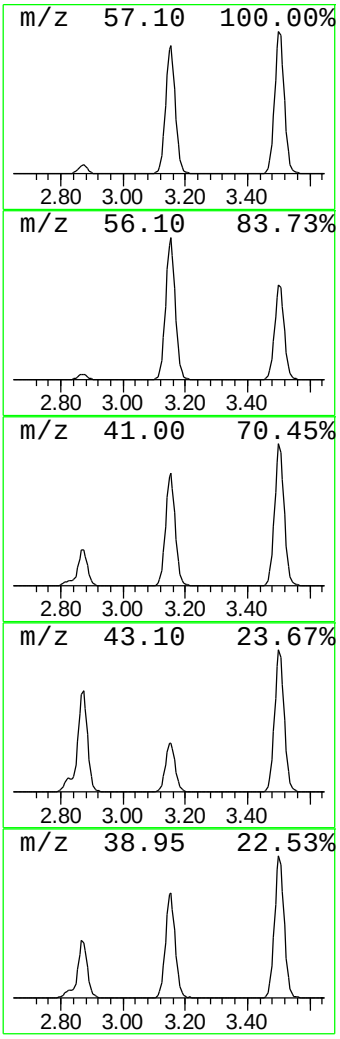
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	90.69 ug/L	8730950	1,4-Difluorobenzene	6.84

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	90
4	n-Hexane	86	C6H14	000110-54-3	50
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

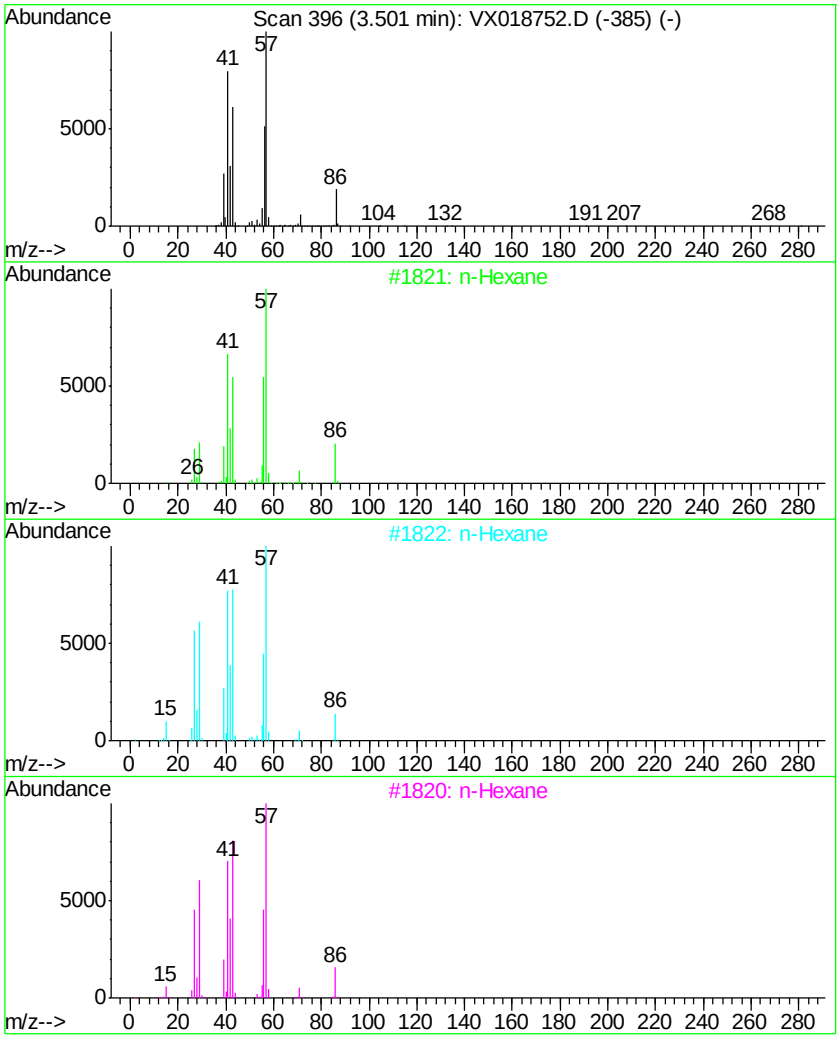
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

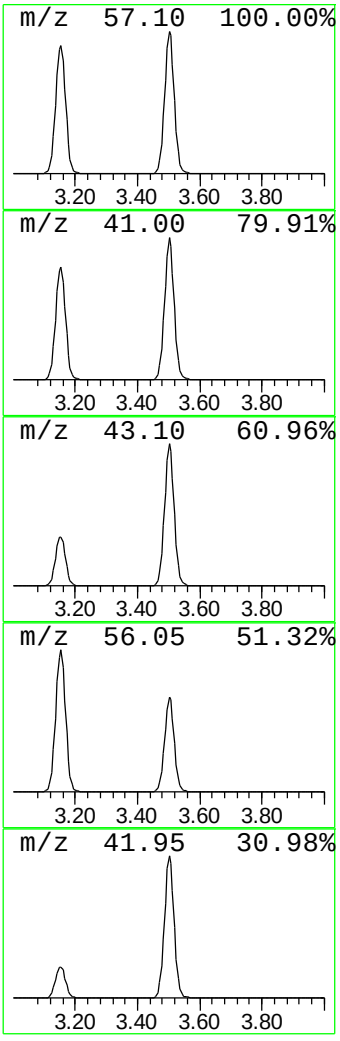
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	114.82 ug/L	11053200	1,4-Difluorobenzene	6.84

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	64
3	n-Hexane	86	C6H14	000110-54-3	59
4	Pentane, 3-methyl-	86	C6H14	000096-14-0	40
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

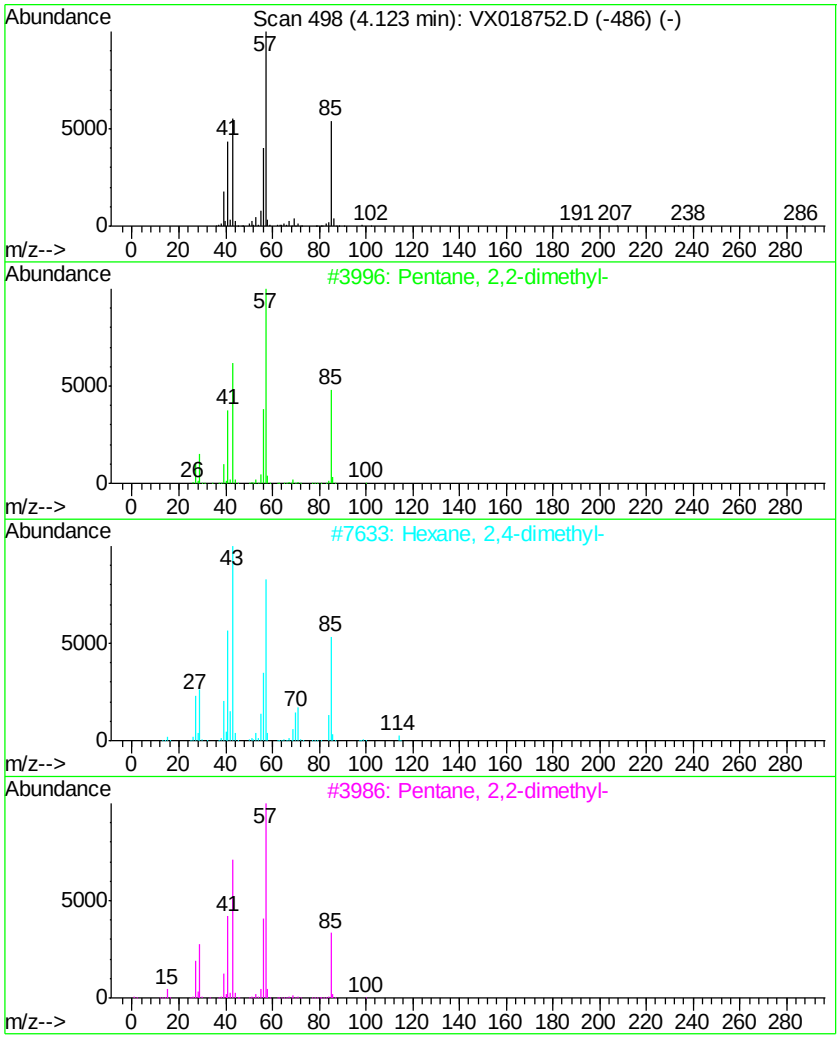
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

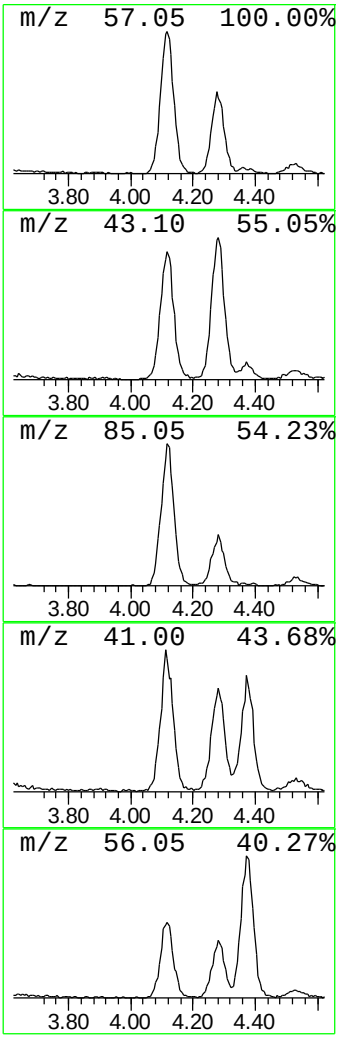
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.12	5.11 ug/L	492225	1,4-Difluorobenzene	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	74
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

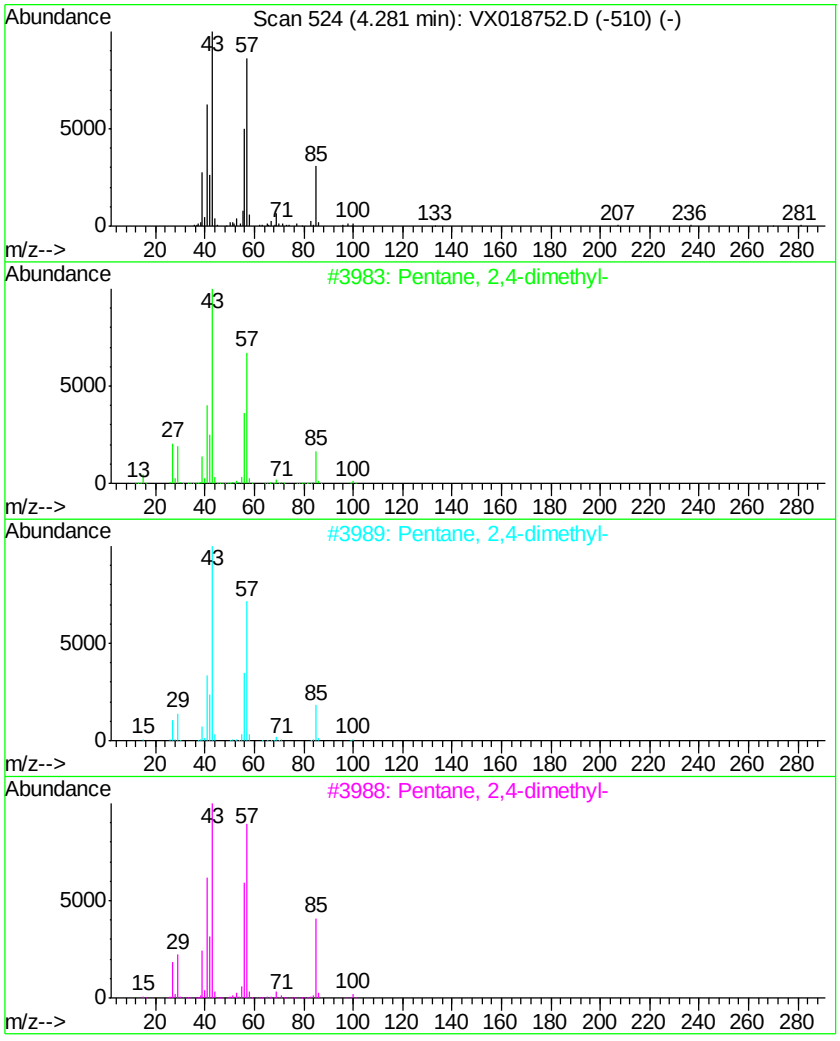
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0

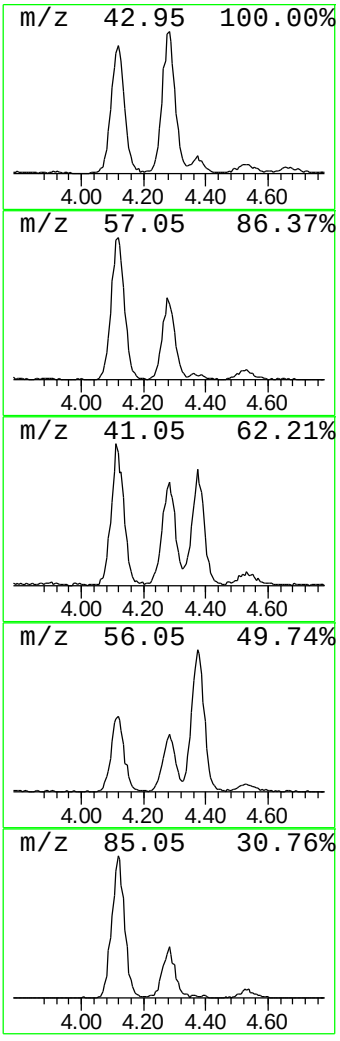
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	3.82 ug/L	368210	1,4-Difluorobenzene	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	80
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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

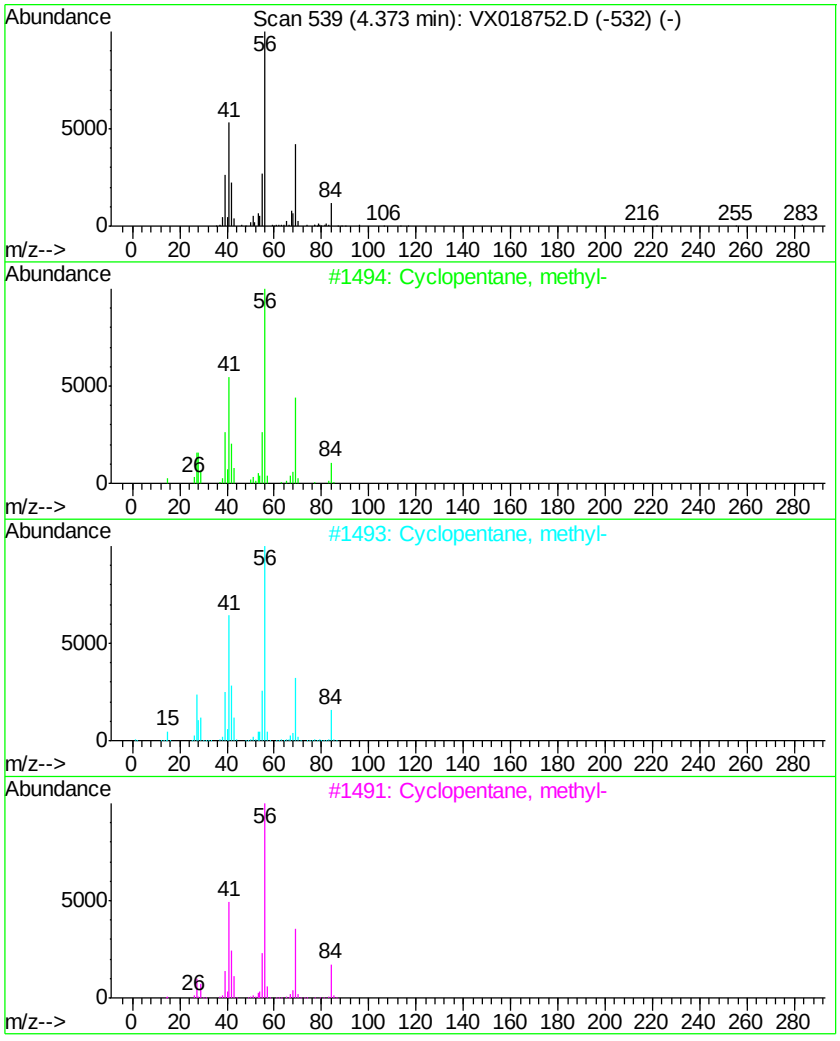
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

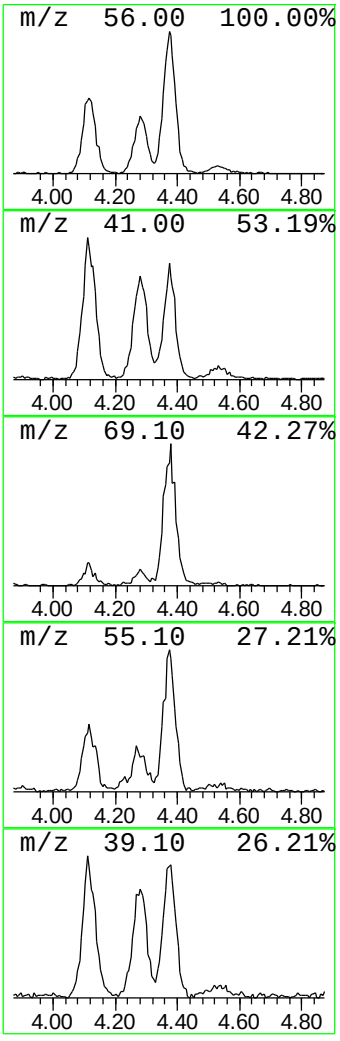
****

Peak Number 7 (DEL) Alkane: Cyclic4.37 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	3.54 ug/L	341088	1,4-Difluorobenzene	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	83
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
5	Cyclohexane	84	C6H12	000110-82-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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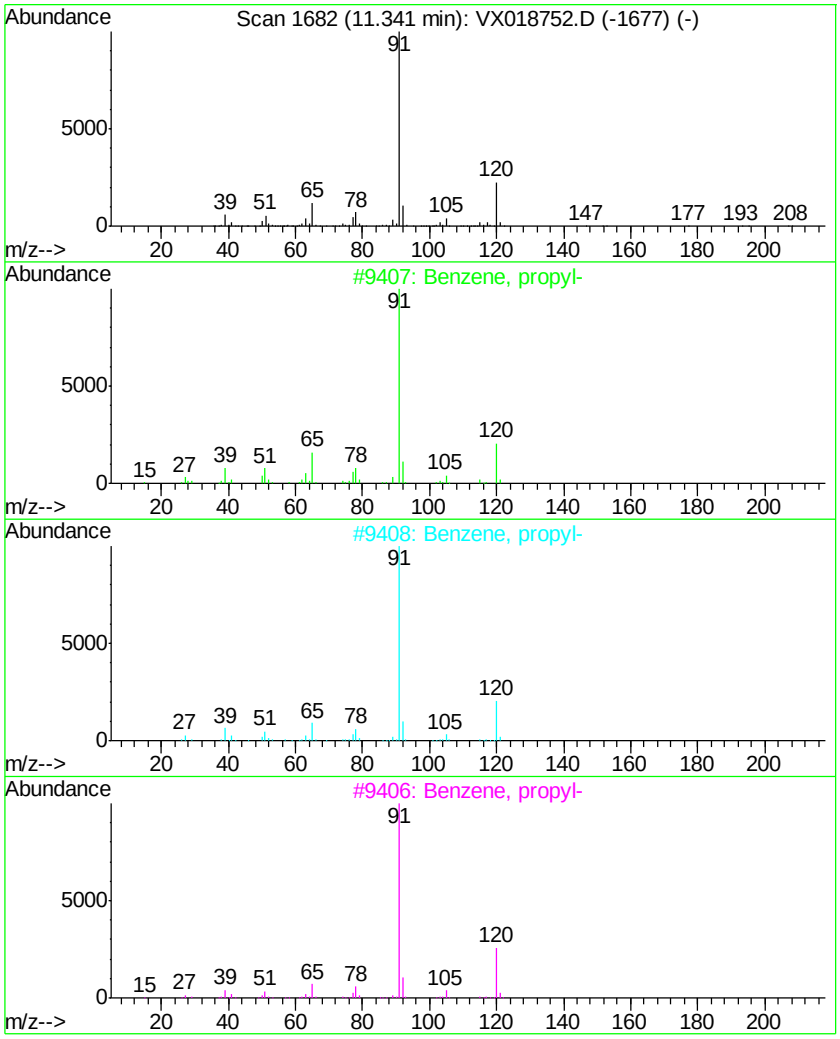
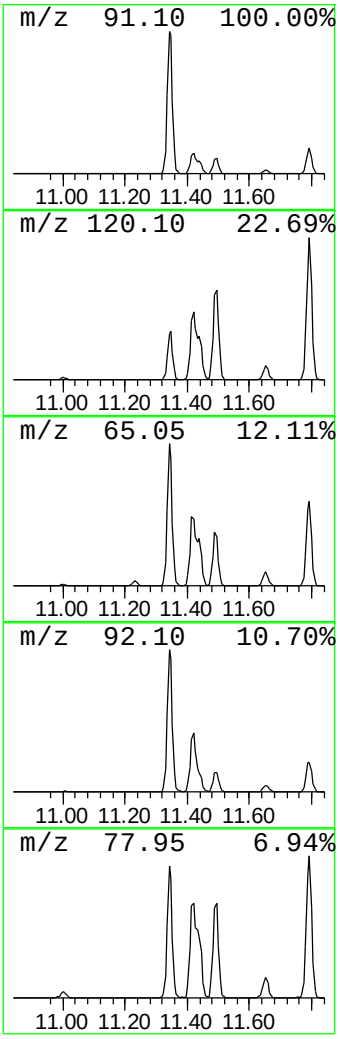
Peak Number 9 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	9.80 ug/L	1812930	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	90
3	Benzene, propyl-	120	C9H12	000103-65-1	86
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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

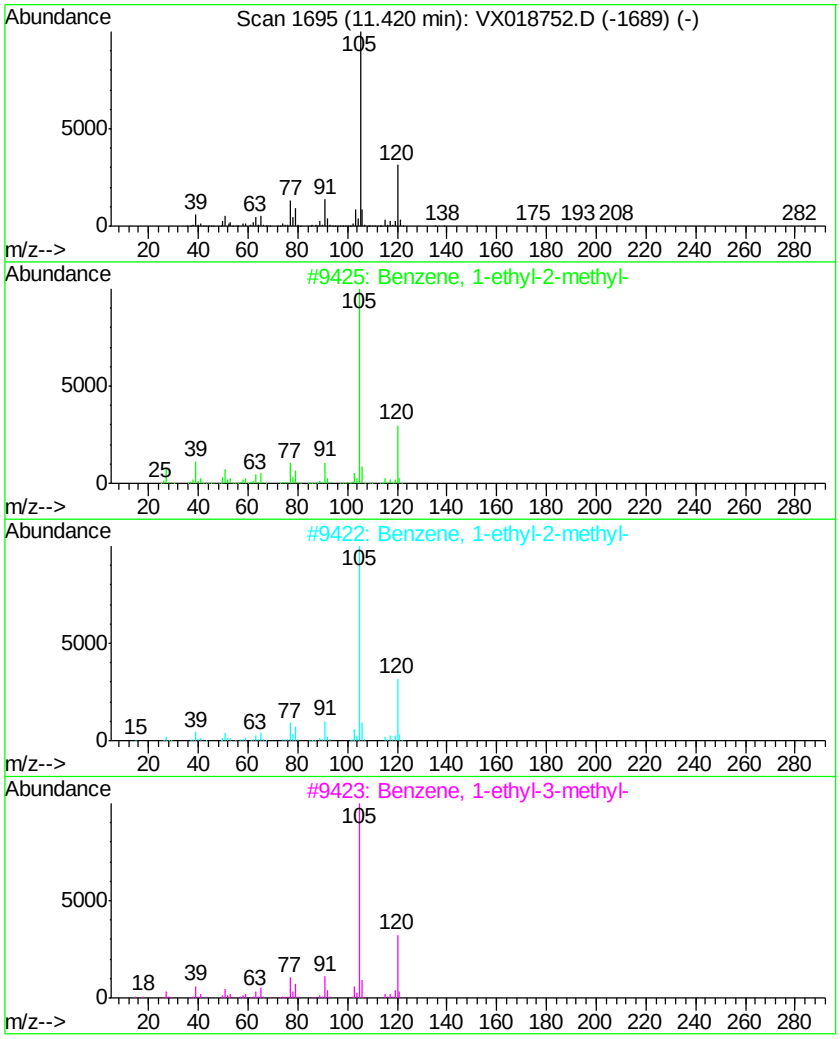
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

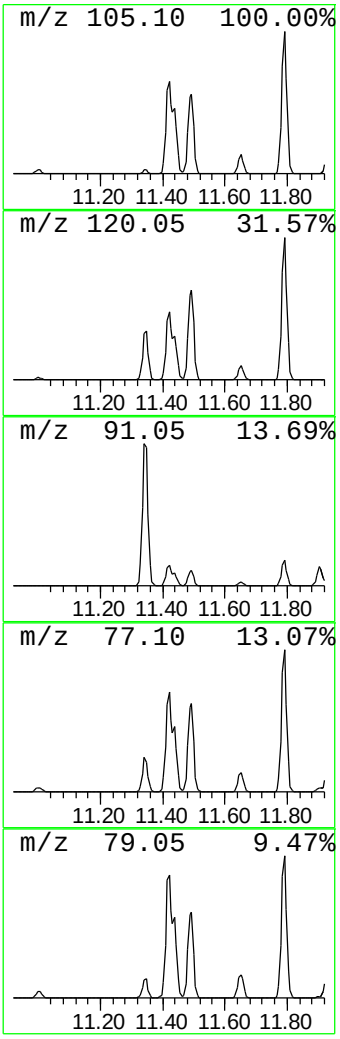
****

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	19.81 ug/L	3663940	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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

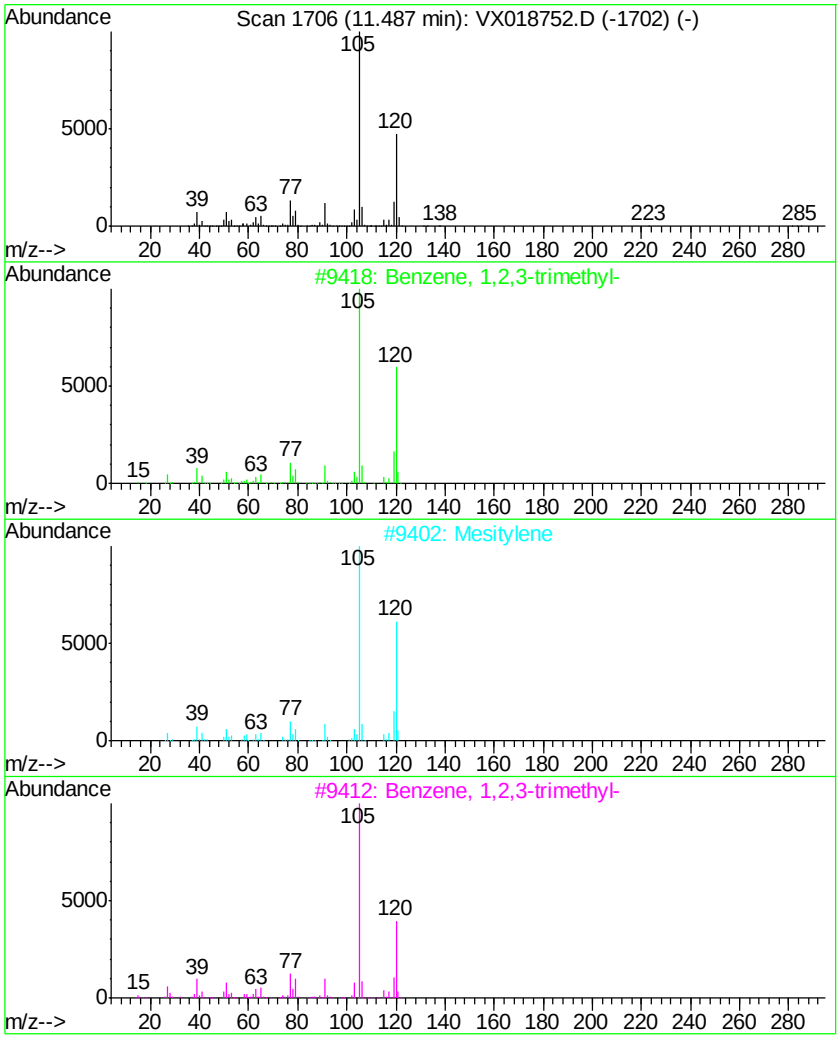
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

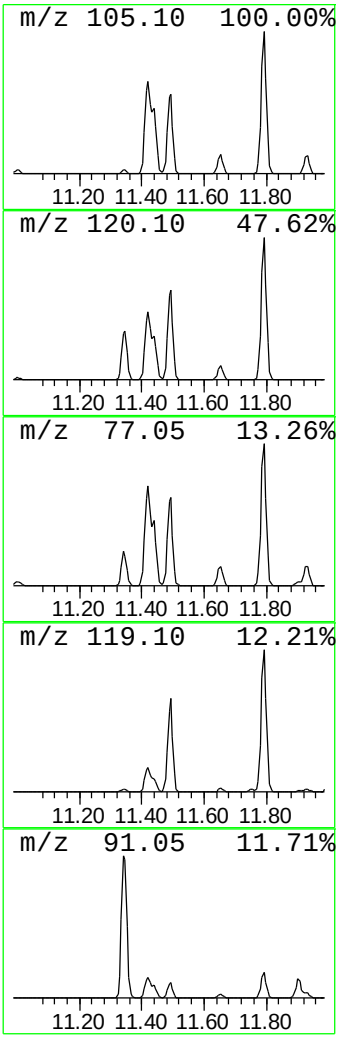
****

Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	12.46 ug/L	2304940	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	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Mesitylene	120	C9H12	000108-67-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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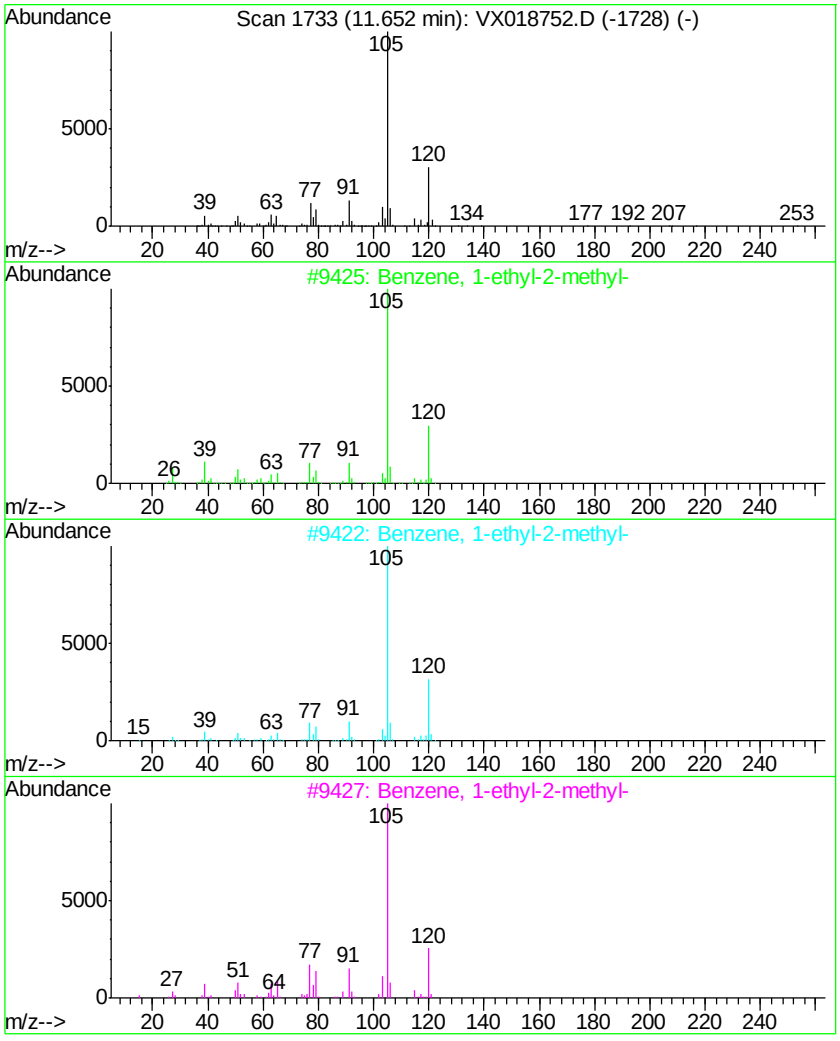
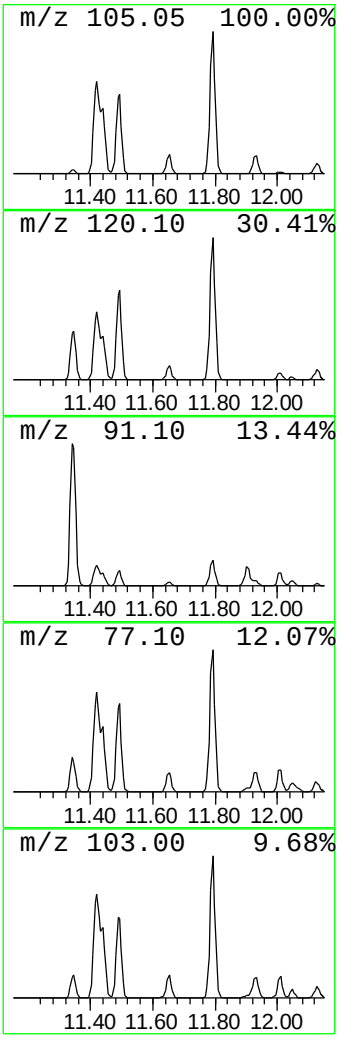
Peak Number 12 Benzene, 1-ethyl-4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	2.58 ug/L	476808	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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

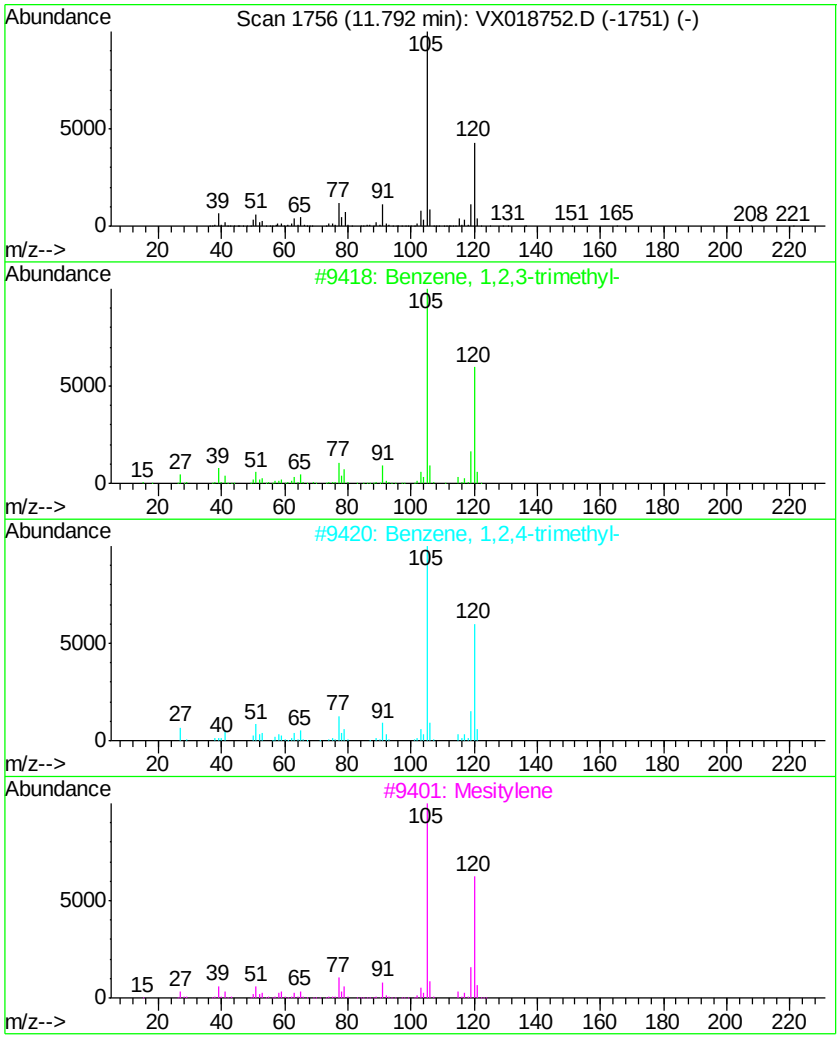
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

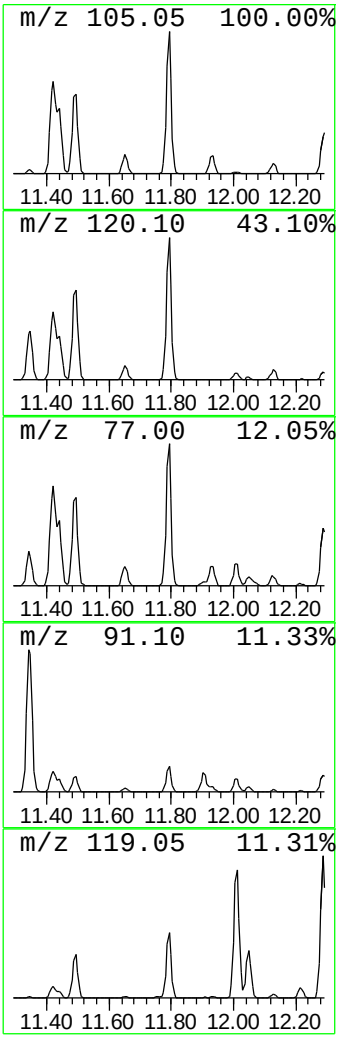
****

Peak Number 13 Benzene, 1,2,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	19.10 ug/L	3533440	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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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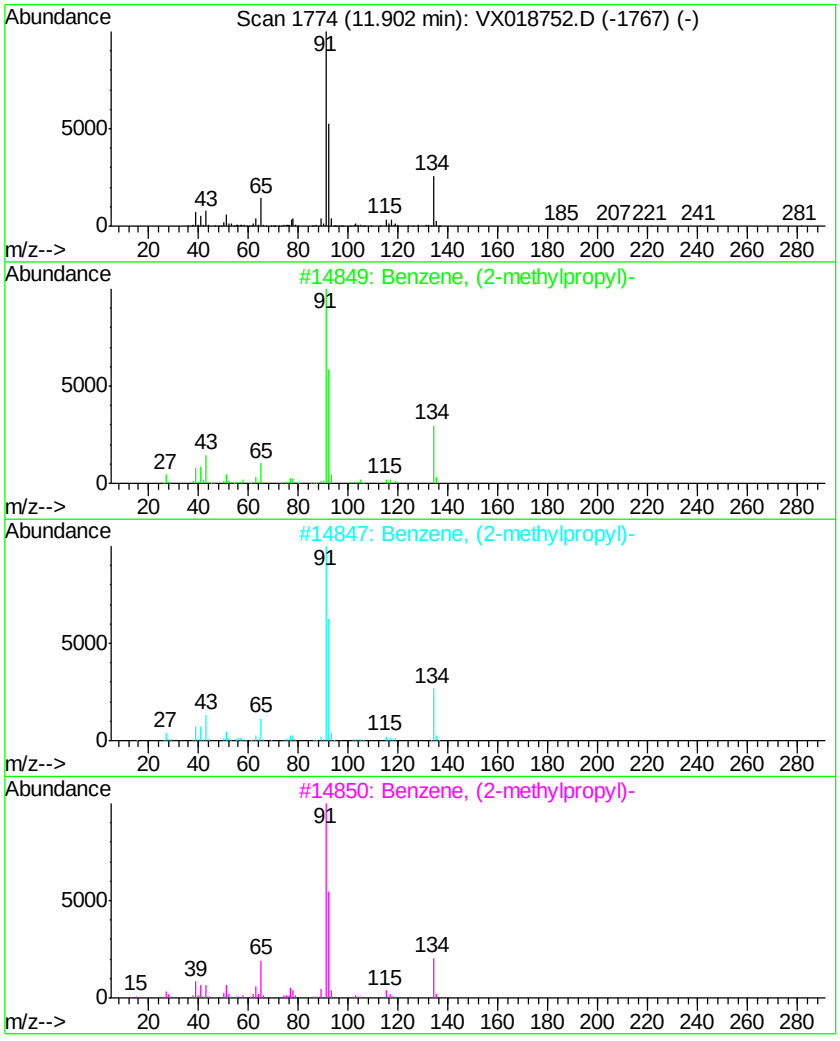
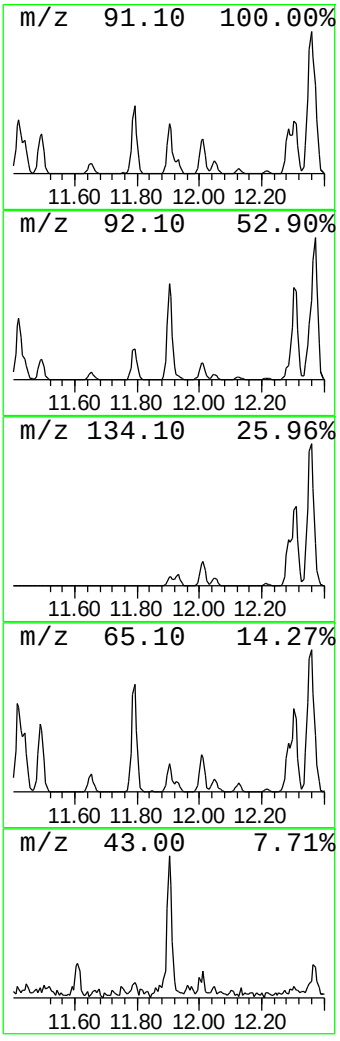
Peak Number 14 Benzene, (2-methylpropyl)- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	1.70 ug/L	314230	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
4	Benzene, butyl-	134	C10H14	000104-51-8	80
5	Benzene, butyl-	134	C10H14	000104-51-8	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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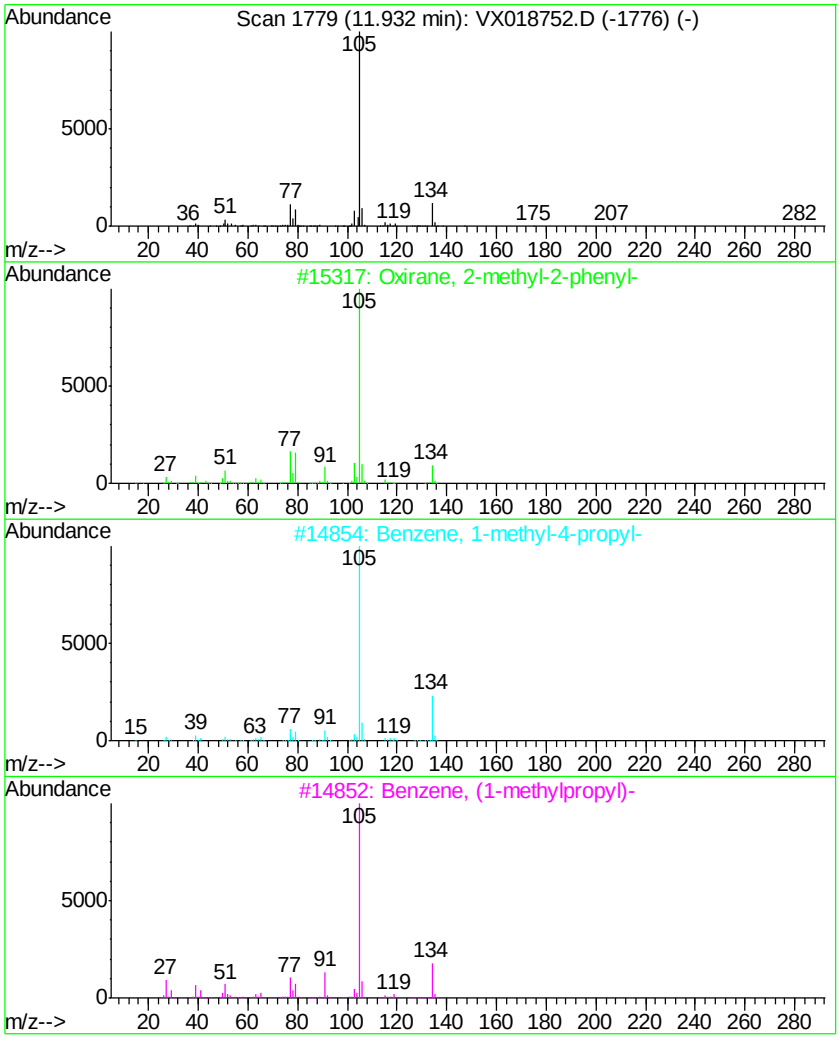
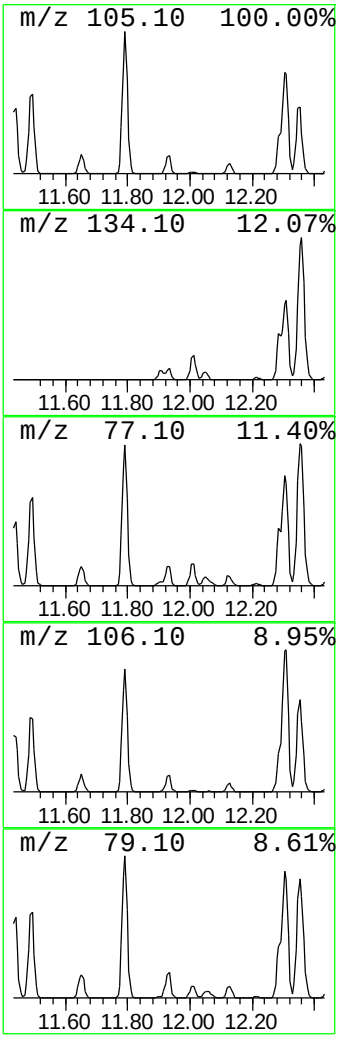
Peak Number 15 Oxirane, 2-methyl-2-phenyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.20 ug/L	407299	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	87
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72
4	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	72
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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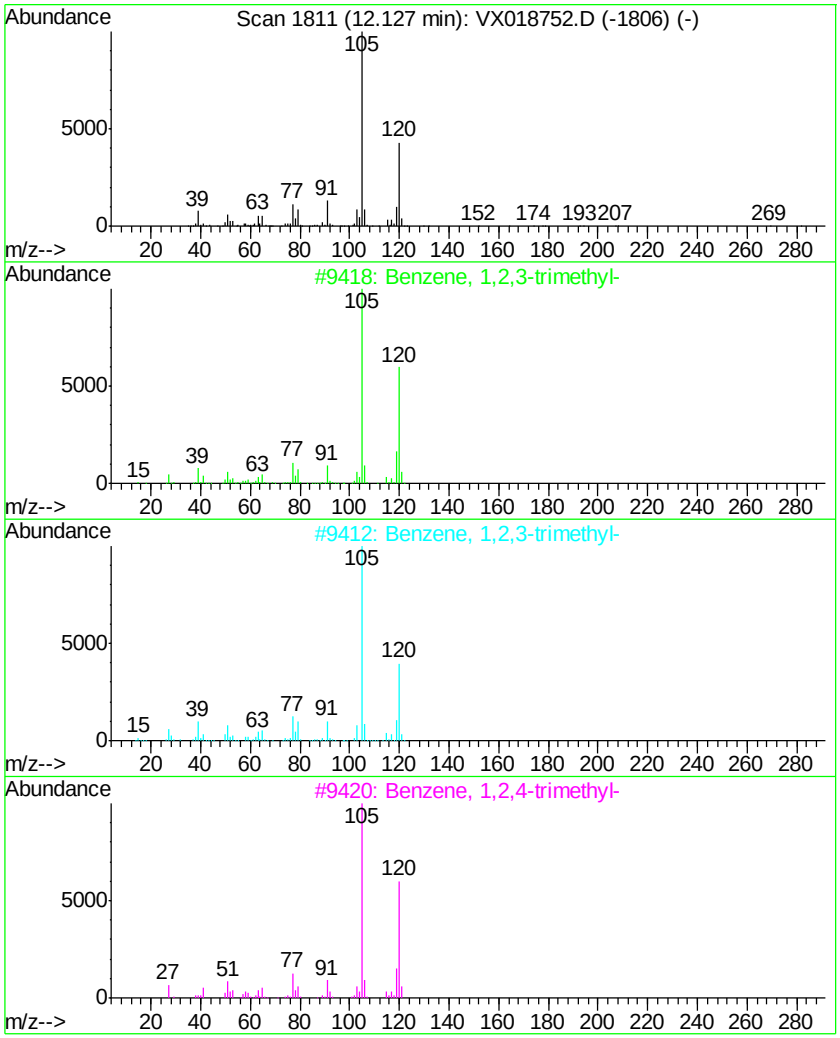
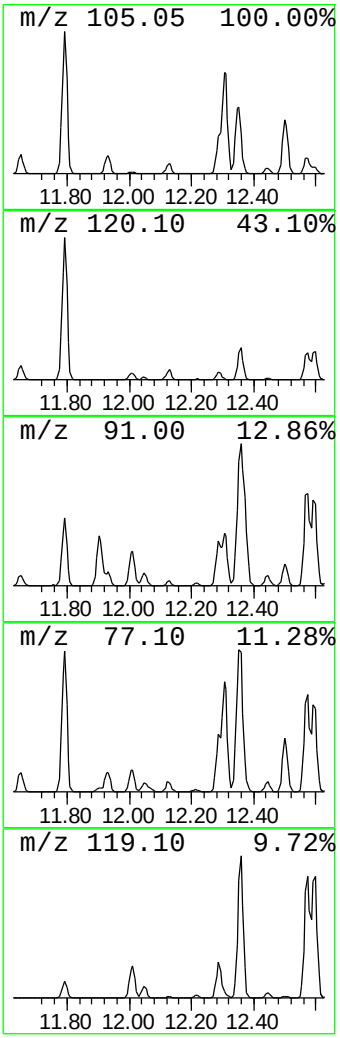
Peak Number 16 Mesitylene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	1.43 ug/L	264258	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	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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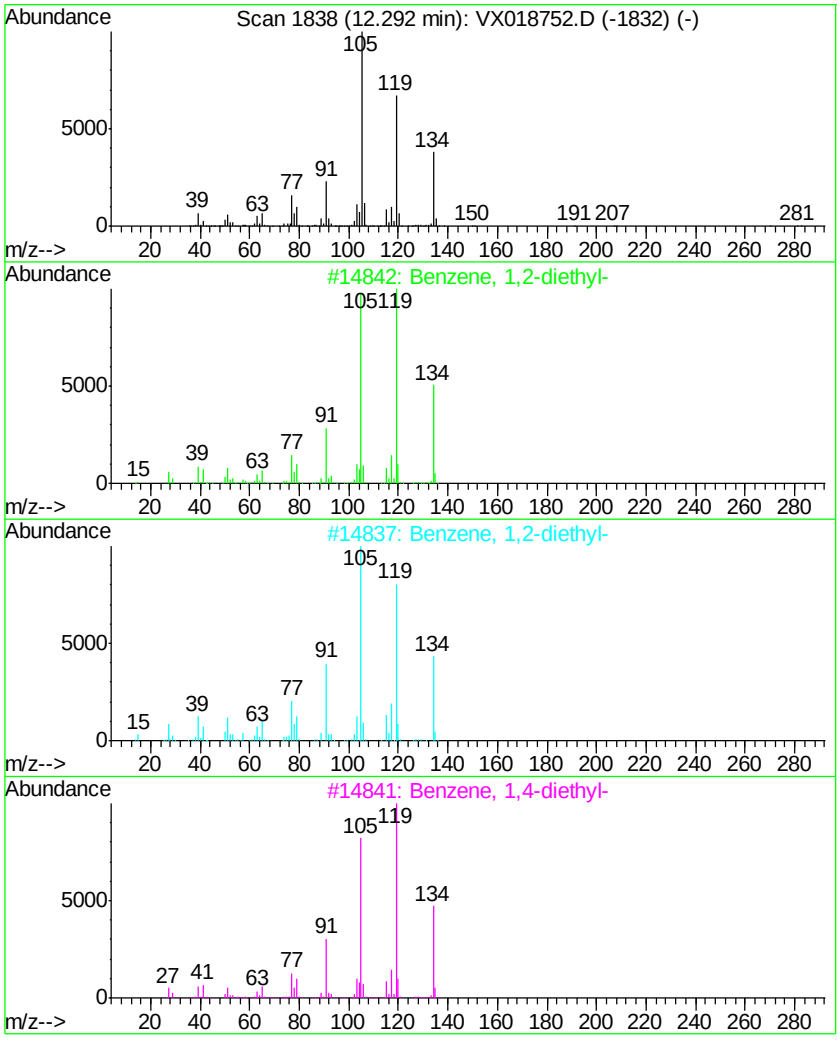
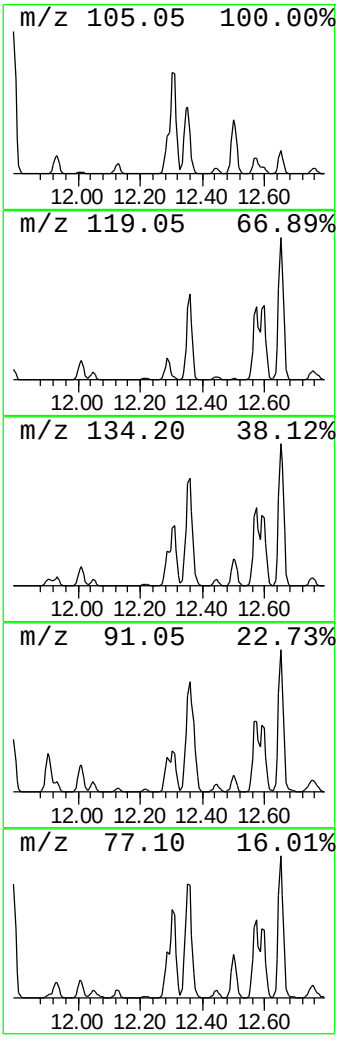
Peak Number 17 Benzene, 1,2-diethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	7.78 ug/L	1438160	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	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	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 : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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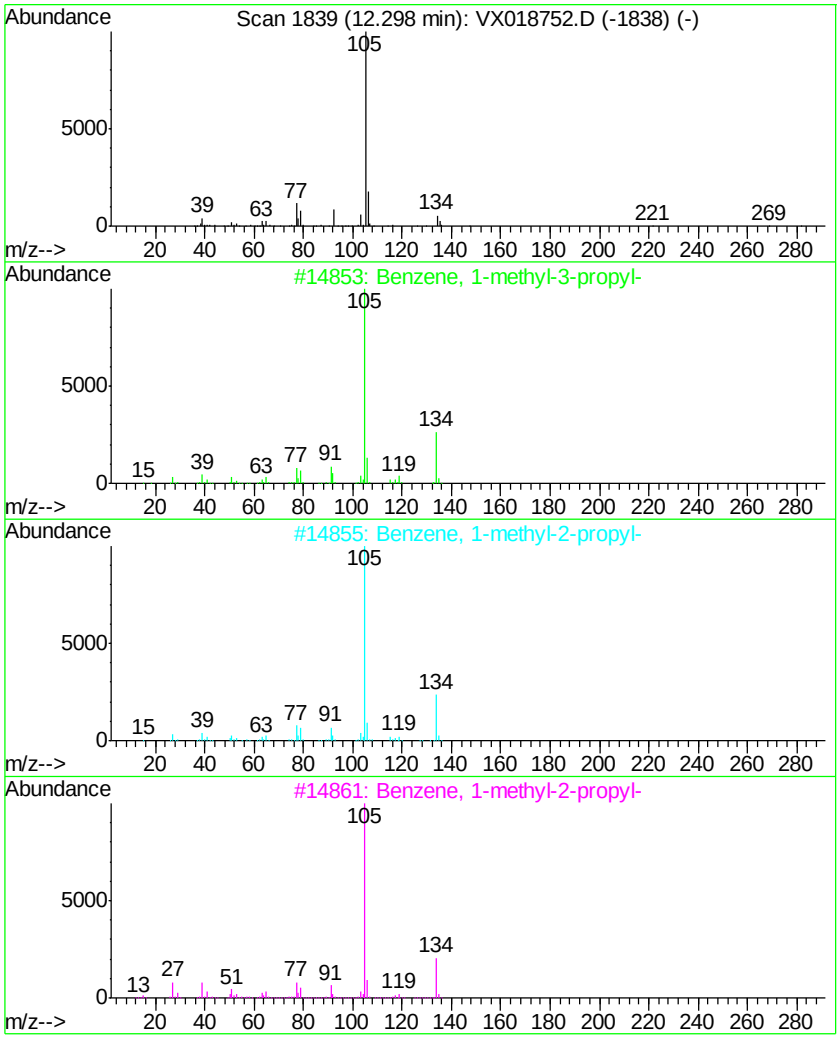
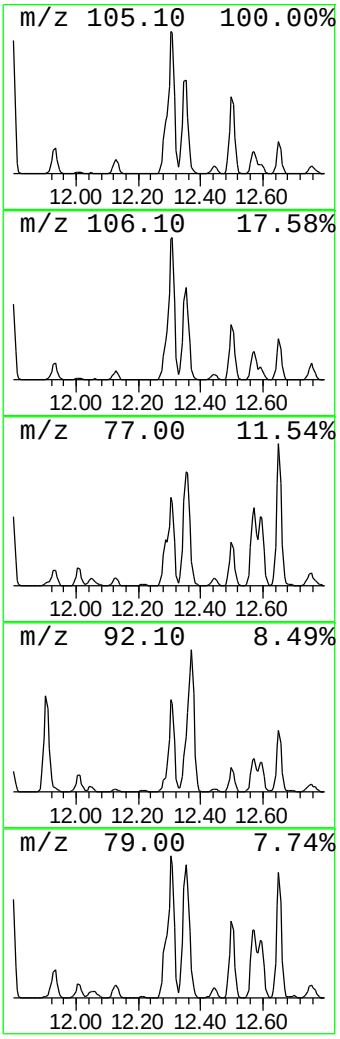
Peak Number 18 Benzene, 1-methyl-3-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	13.45 ug/L	2486790	1,4-Dichlorobenzene-d4	12.06

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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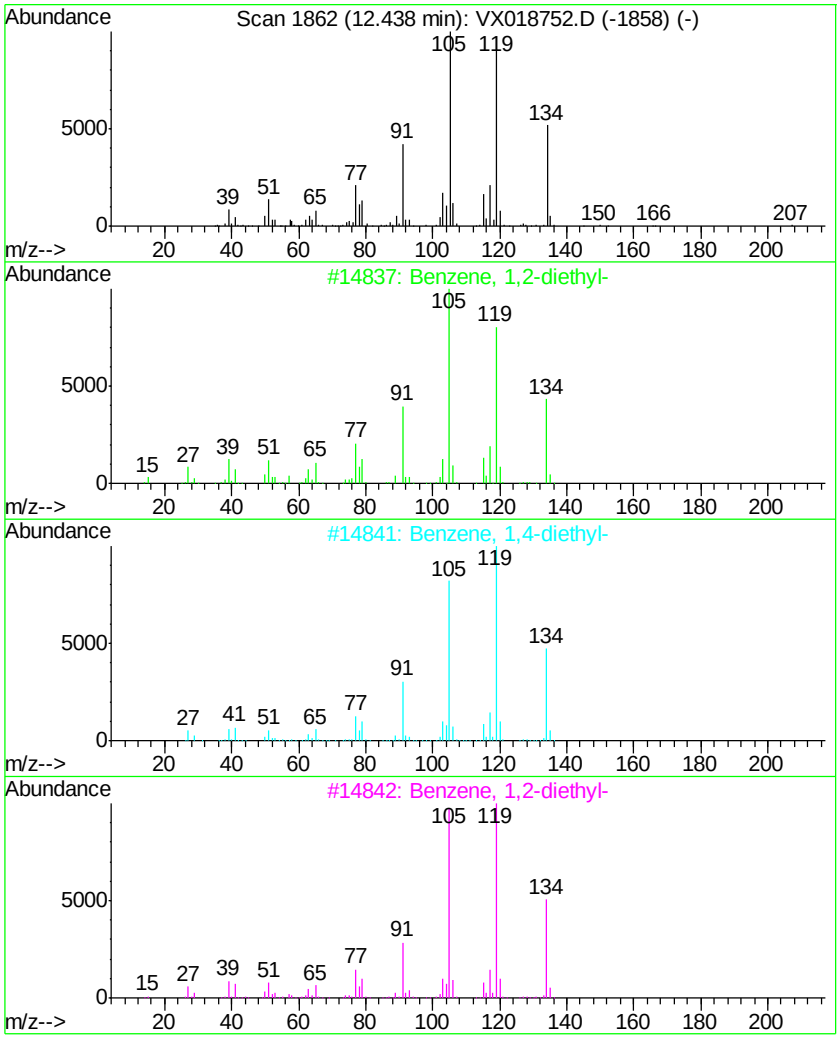
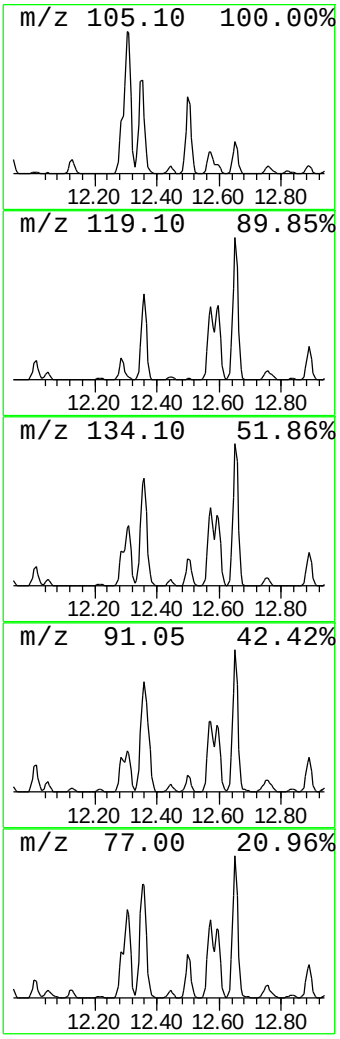
Peak Number 19 Benzene, 1,4-diethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	1.50 ug/L	276754	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	98
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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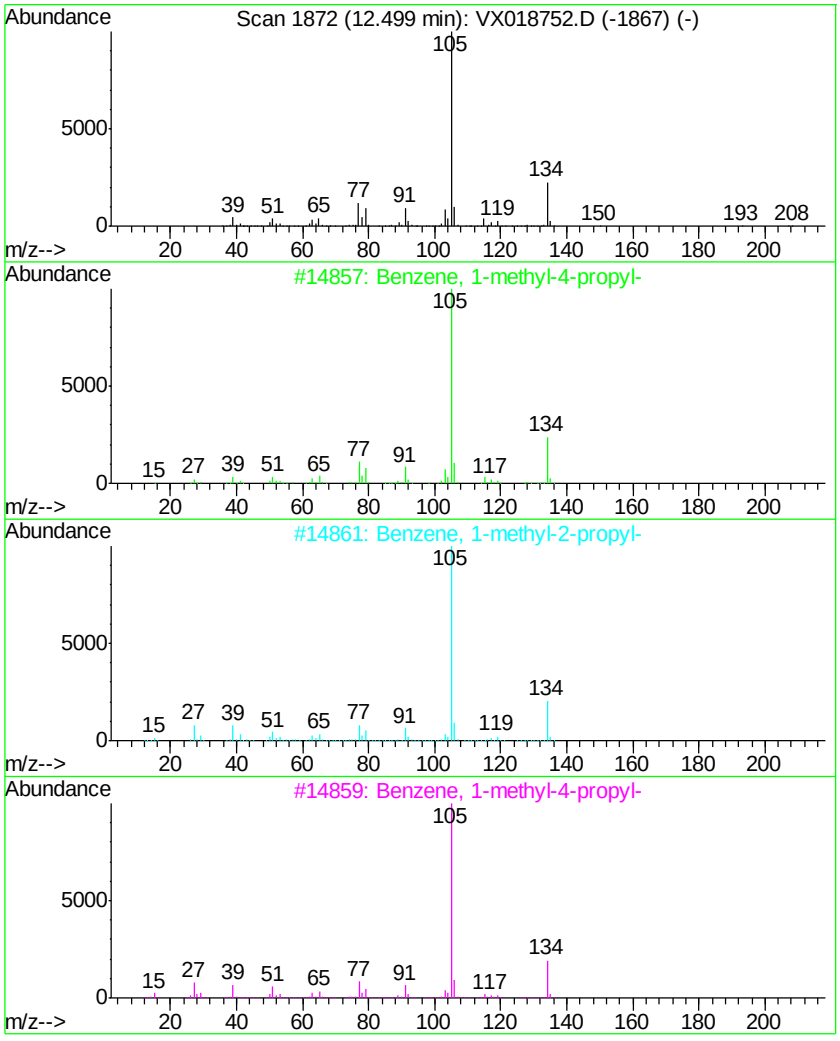
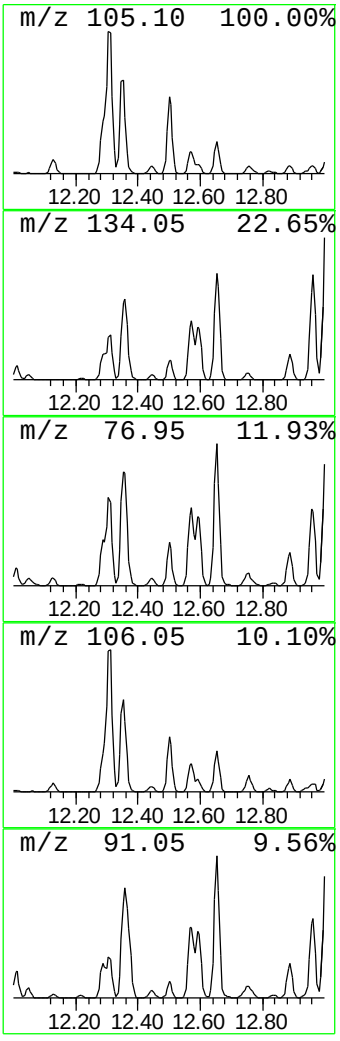
Peak Number 20 Benzene, 1-methyl-4-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	6.46 ug/L	1193940	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	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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

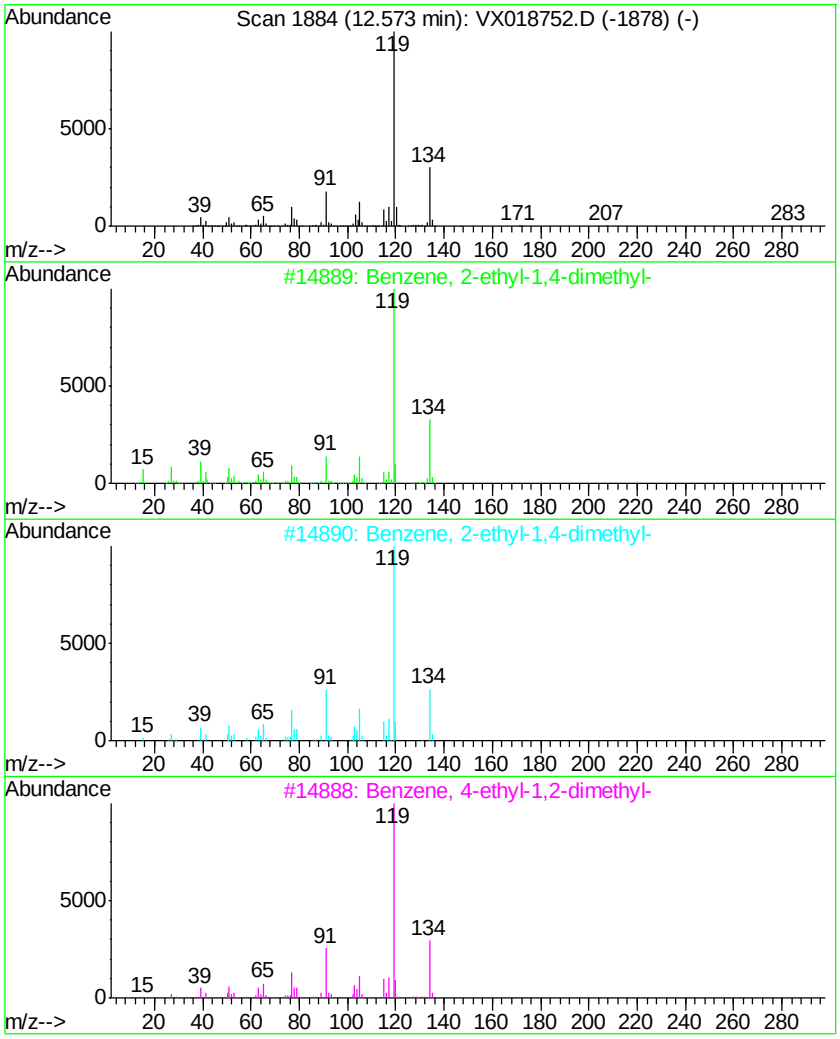
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

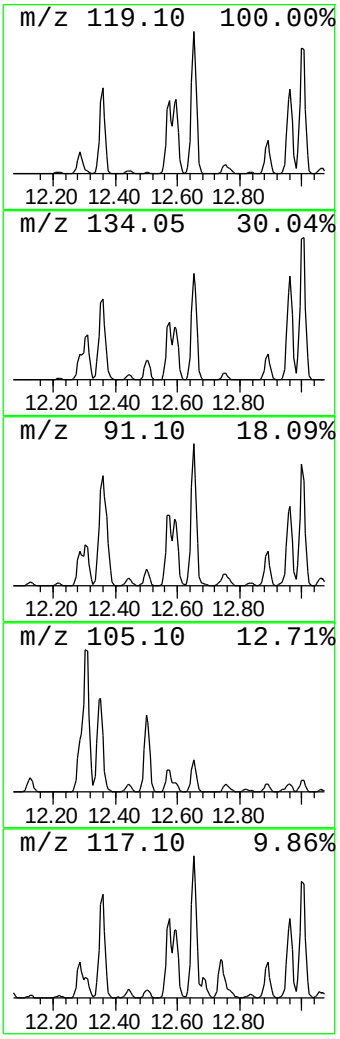
****

Peak Number 21 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	19.58 ug/L	3621930	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	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	p-Cymene	134	C10H14	000099-87-6	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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

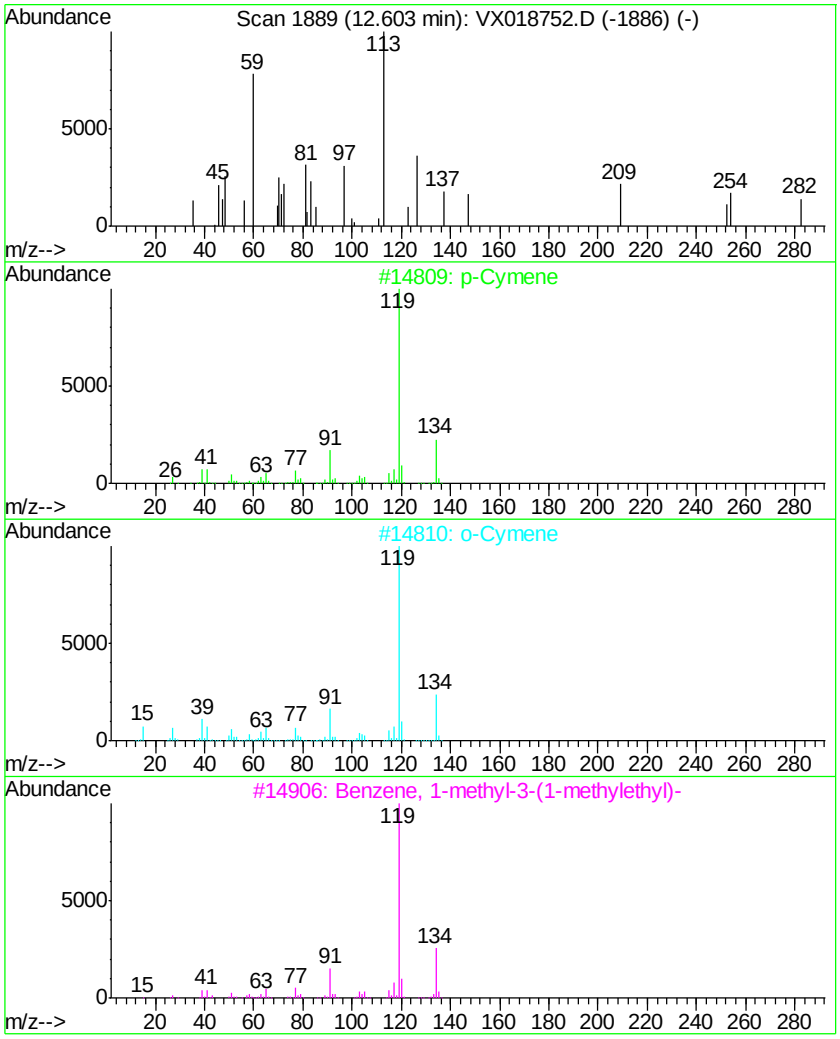
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

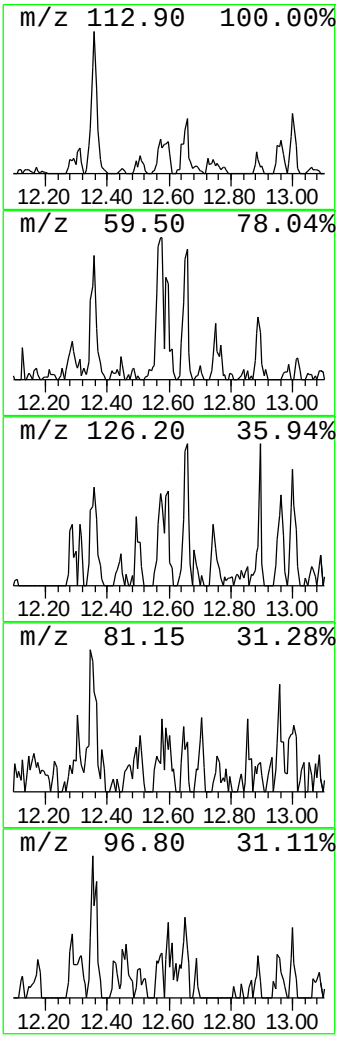
****

Peak Number 22 p-Cymene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	12.70 ug/L	2349390	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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

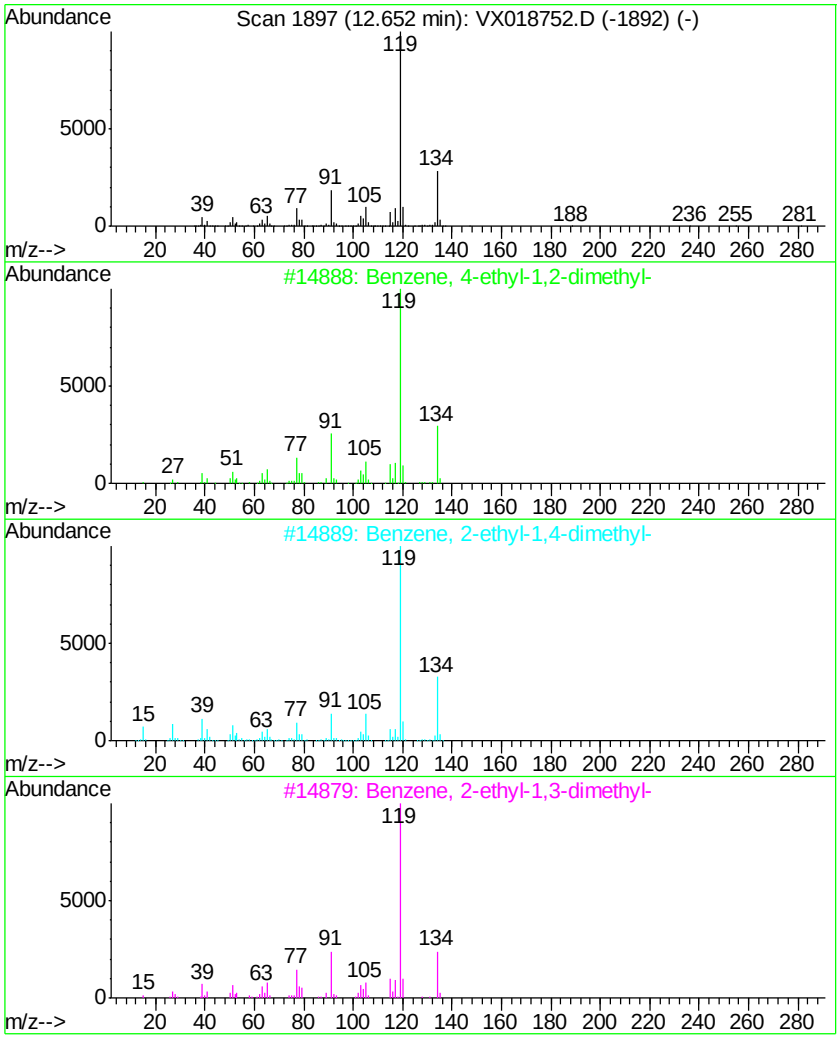
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

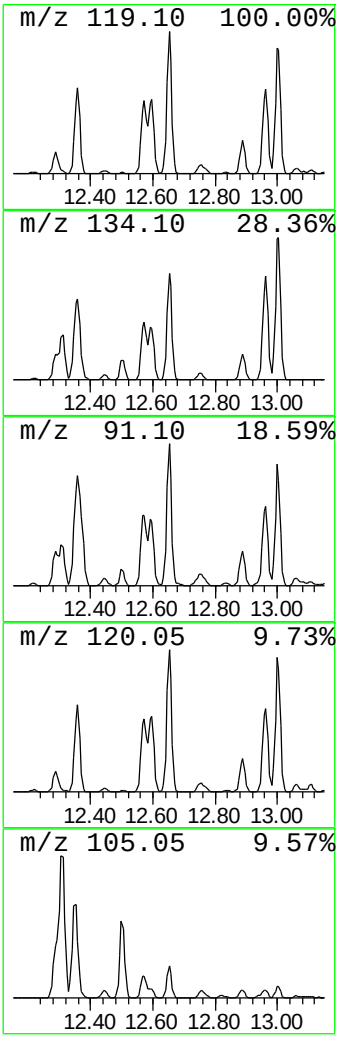
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	30.42 ug/L	5626830	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	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 : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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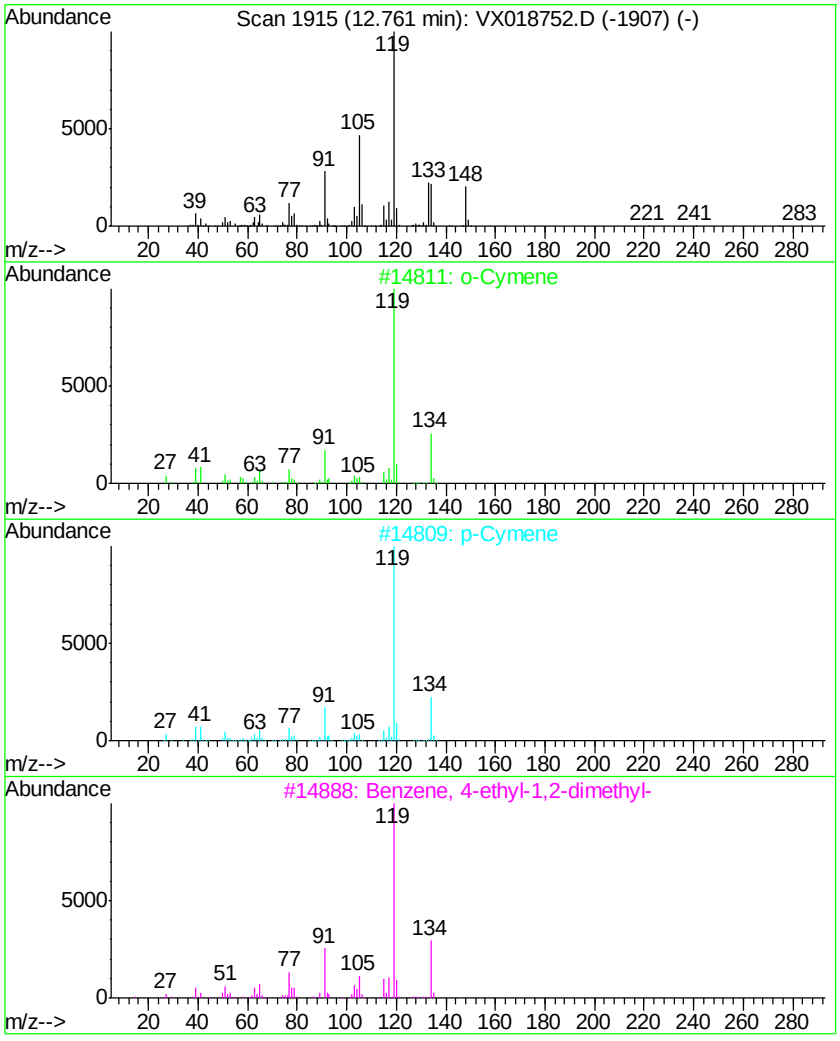
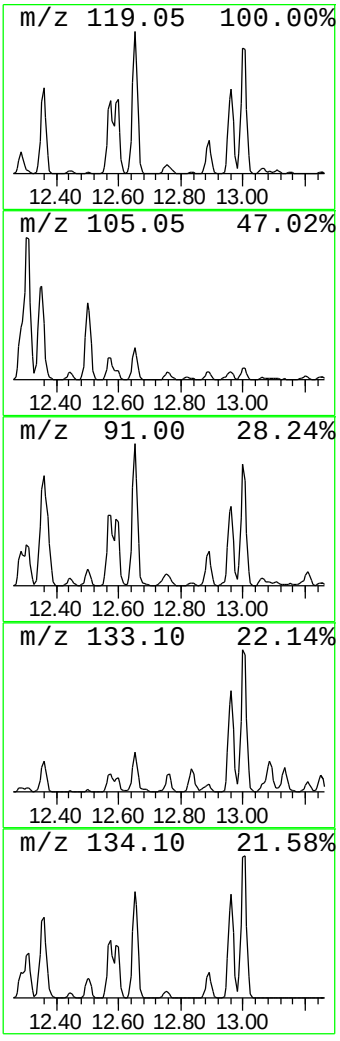
Peak Number 24 o-Cymene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	4.32 ug/L	799730	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	p-Cymene	134	C10H14	000099-87-6	93
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4	o-Cymene	134	C10H14	000527-84-4	92
5	o-Cymene	134	C10H14	000527-84-4	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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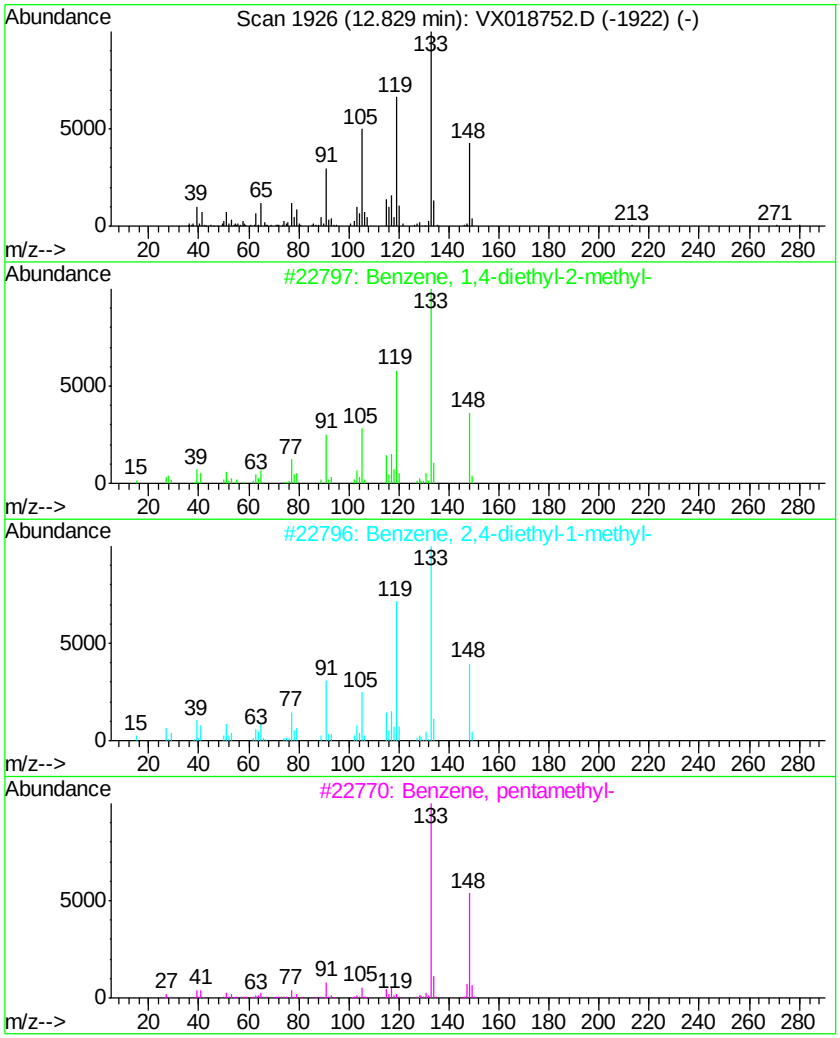
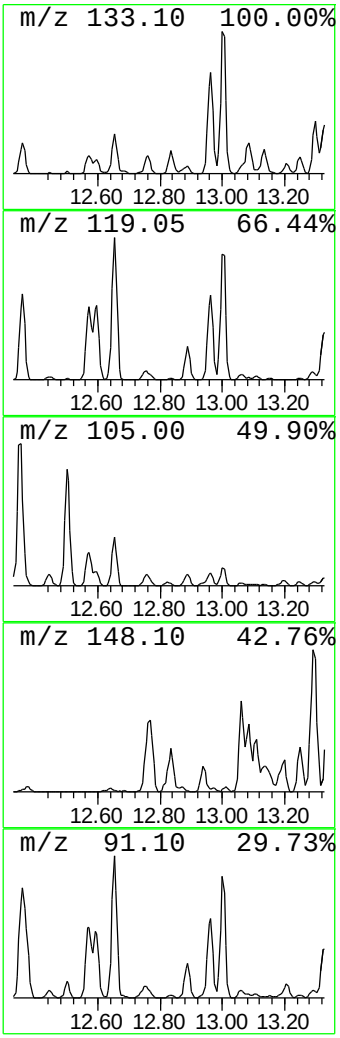
Peak Number 25 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	0.86 ug/L	158791	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	95
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	94
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	90
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	86
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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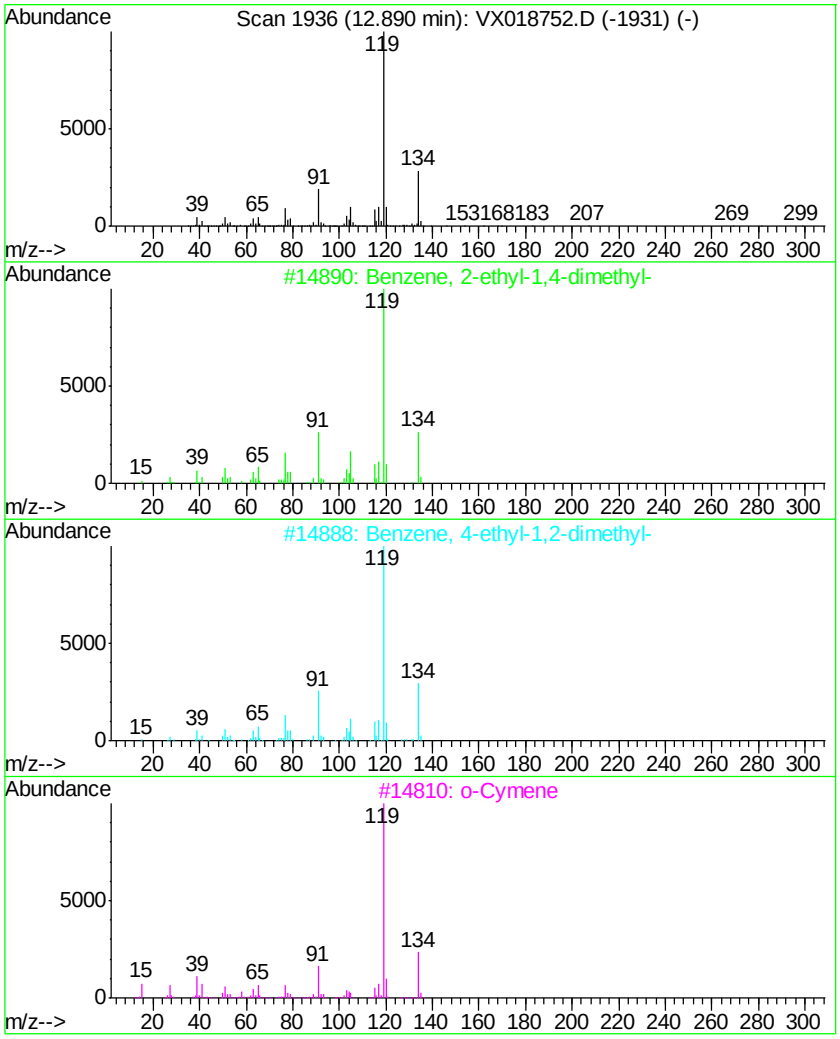
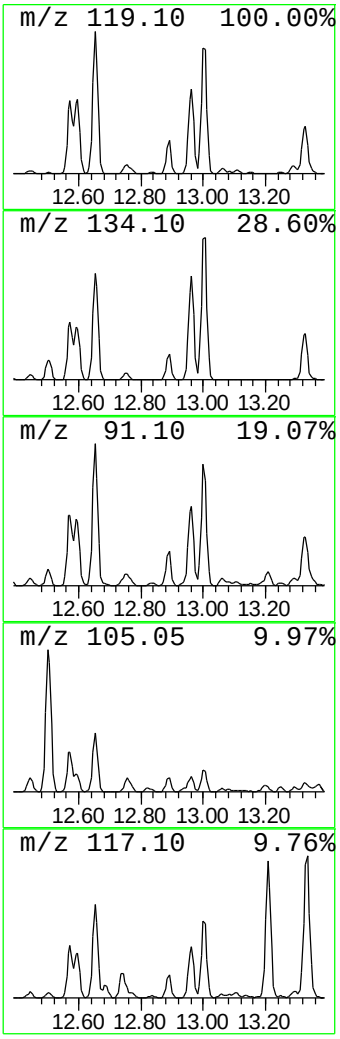
Peak Number 26 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	7.46 ug/L	1379520	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	o-Cymene	134	C10H14	000527-84-4	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 : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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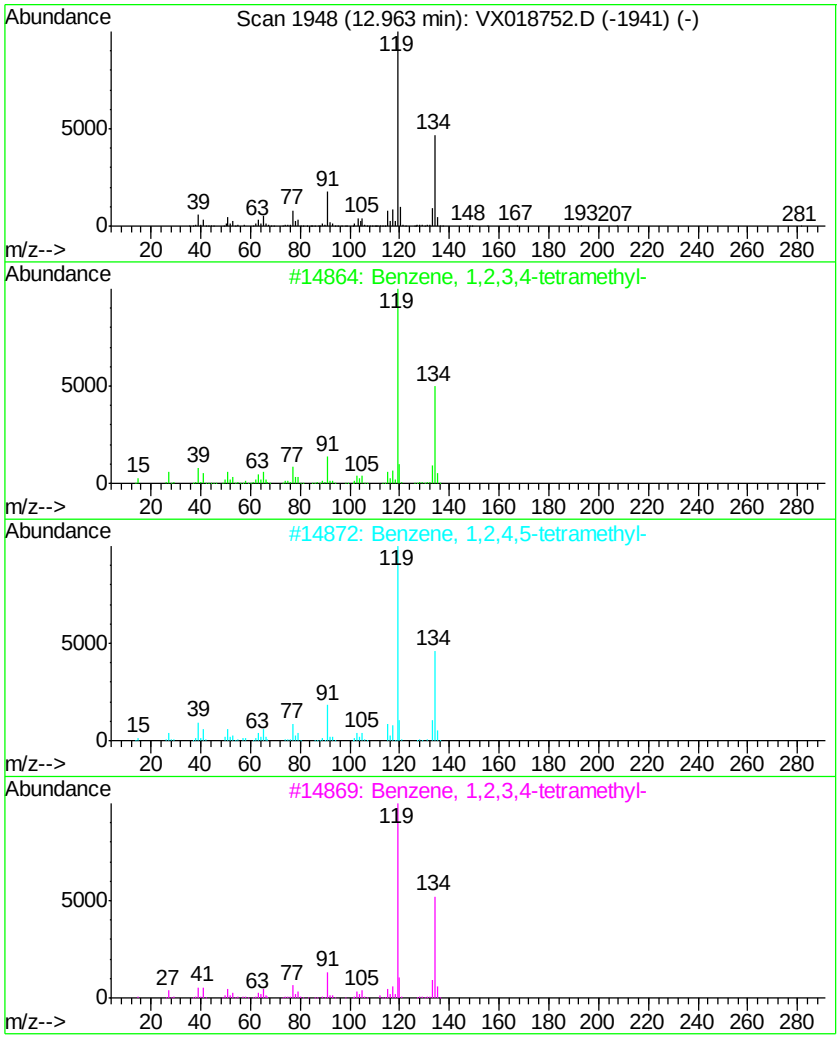
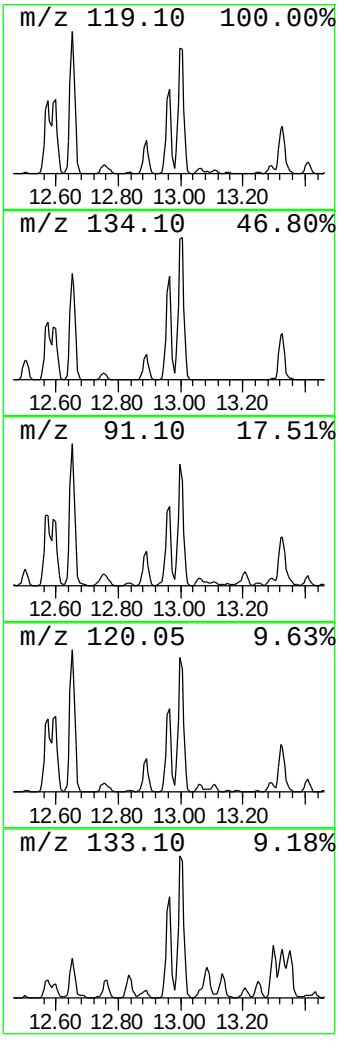
Peak Number 27 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	20.84 ug/L	3854090	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	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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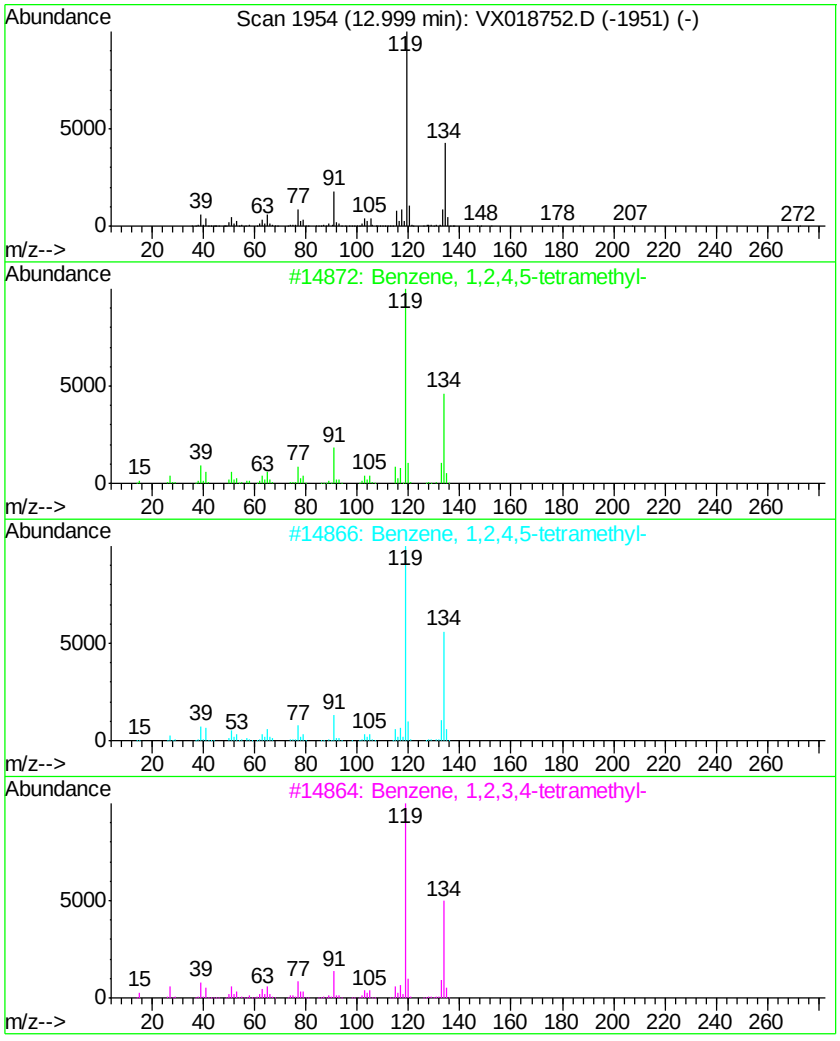
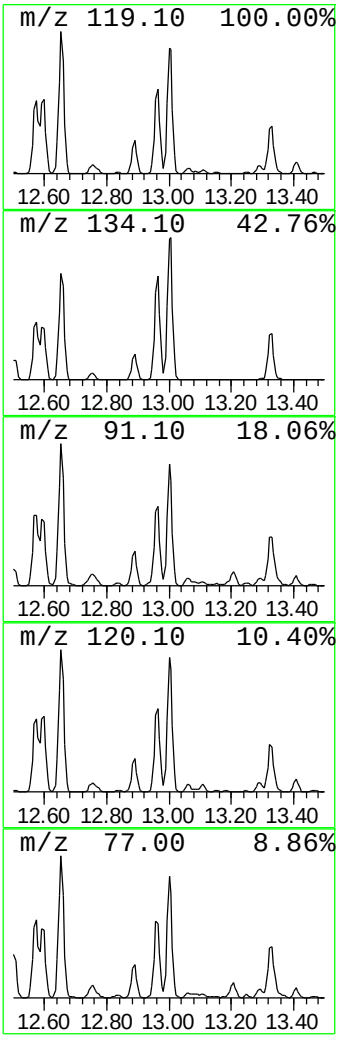
Peak Number 28 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	30.23 ug/L	5591860	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	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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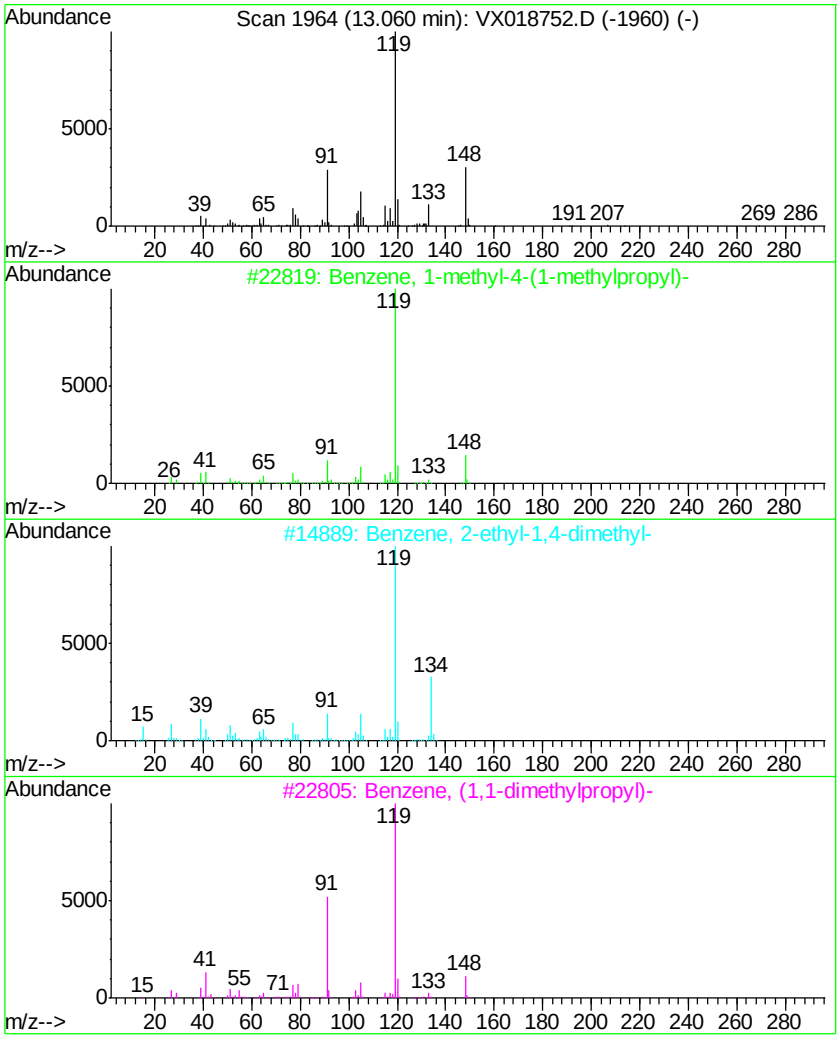
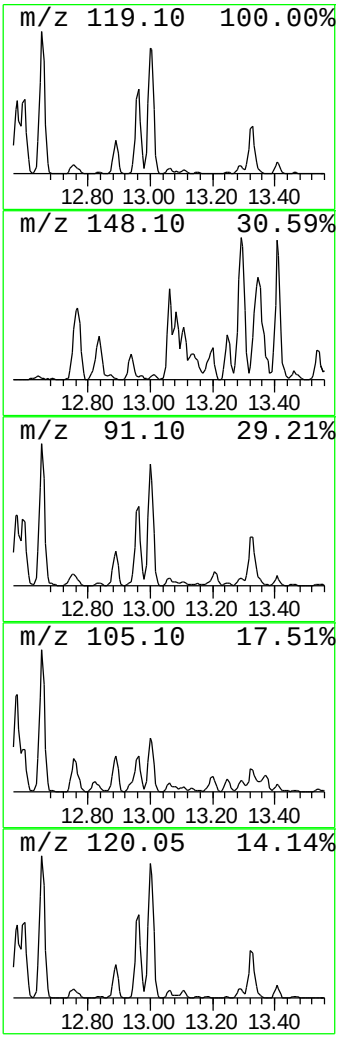
Peak Number 29 Benzene, 1-methyl-4-(1-meth... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	1.41 ug/L	260161	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	87
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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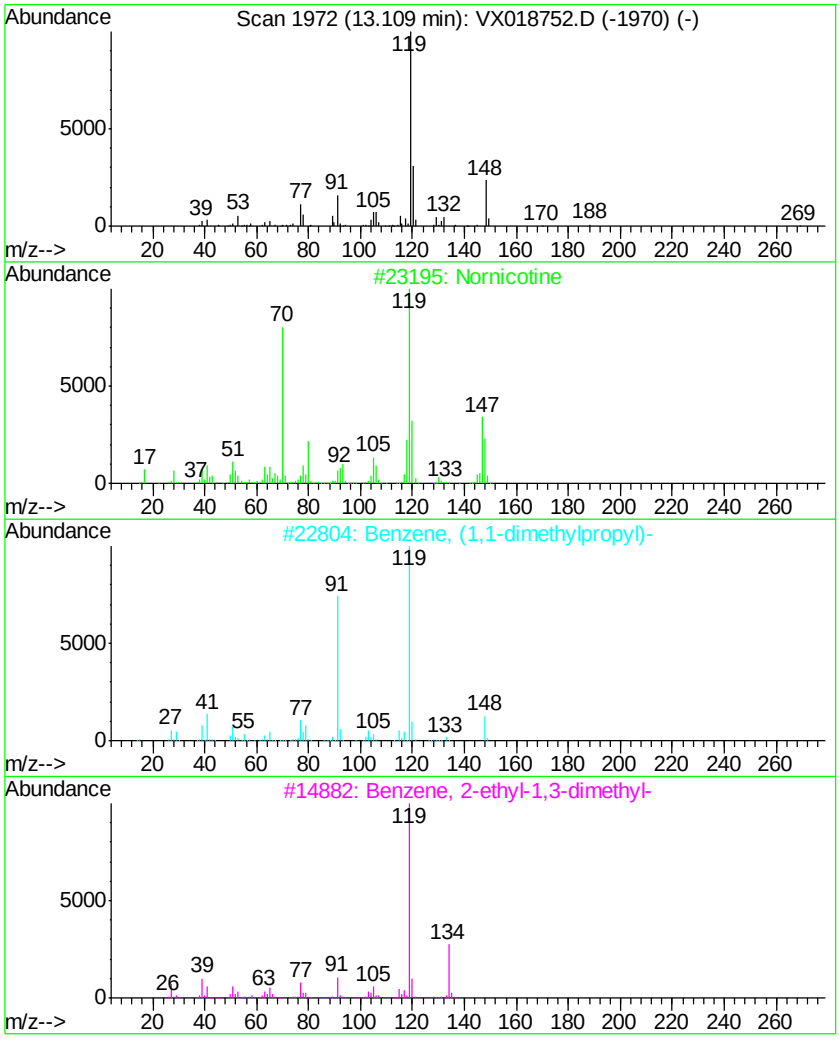
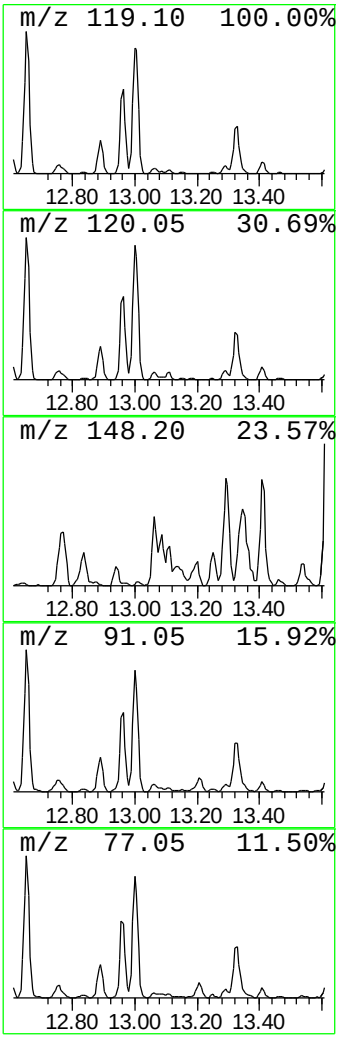
Peak Number 30 Nornicotine Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	0.79 ug/L	145845	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nornicotine	148	C9H12N2	000494-97-3	64
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
5	1-Chloromethyl-3,5-dimethylbenzene	154	C9H11Cl	002745-54-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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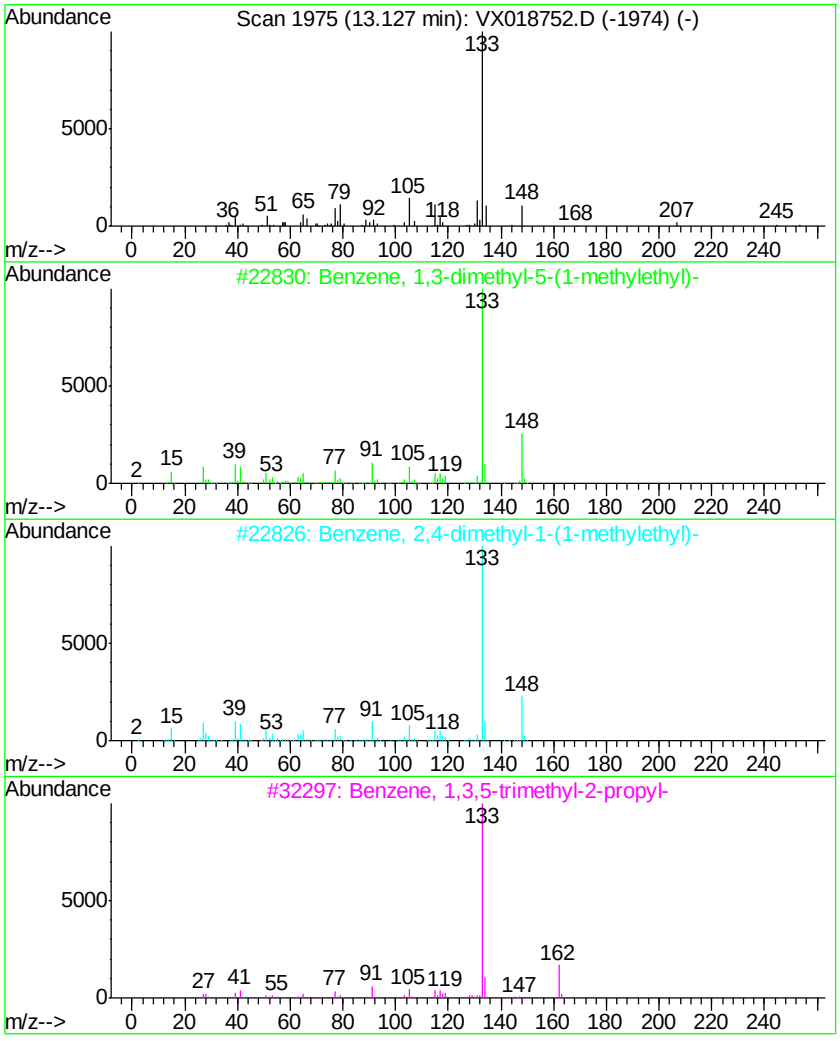
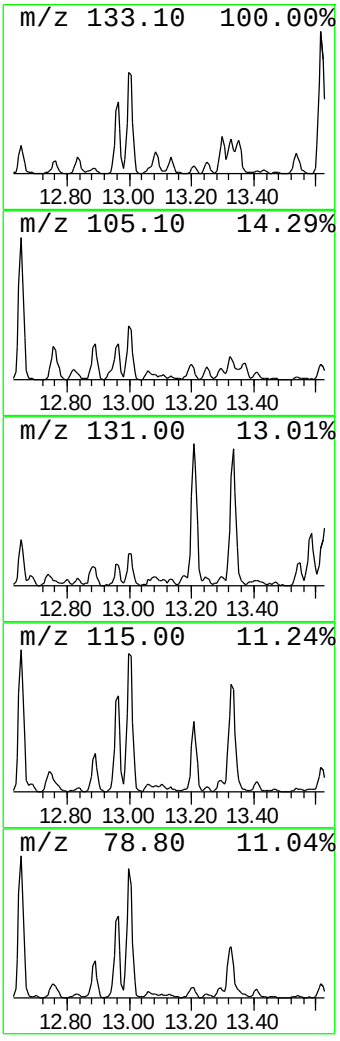
Peak Number 31 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	0.65 ug/L	119615	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	86
2	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	78
3	Benzene, 1,3,5-trimethyl-2-propyl-	162	C12H18	004810-04-2	72
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	72
5	1H-Imidazole, 1-[(2,4,6-trimethy...	200	C13H16N2	084567-17-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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

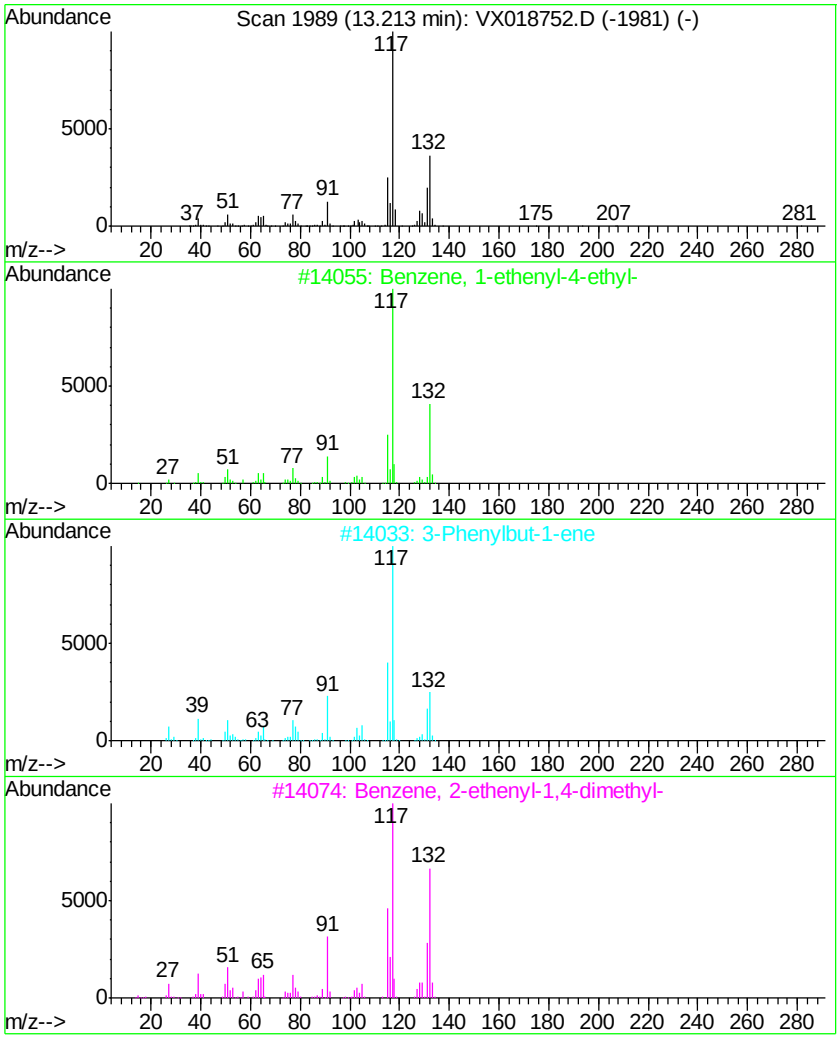
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

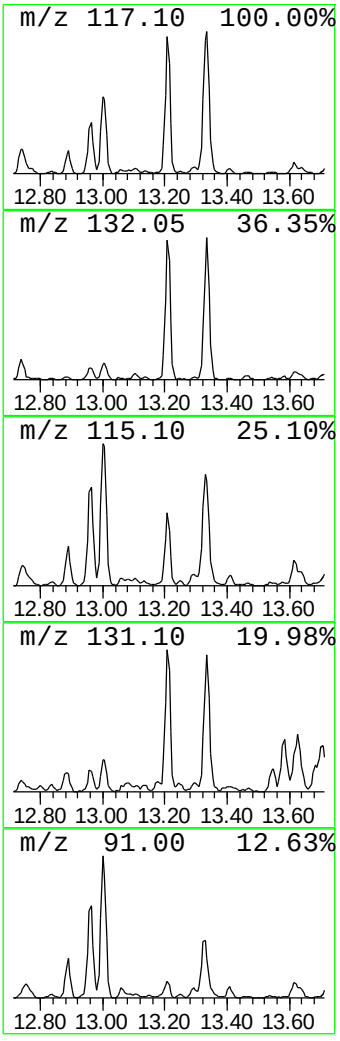
****

Peak Number 32 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	5.35 ug/L	989312	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	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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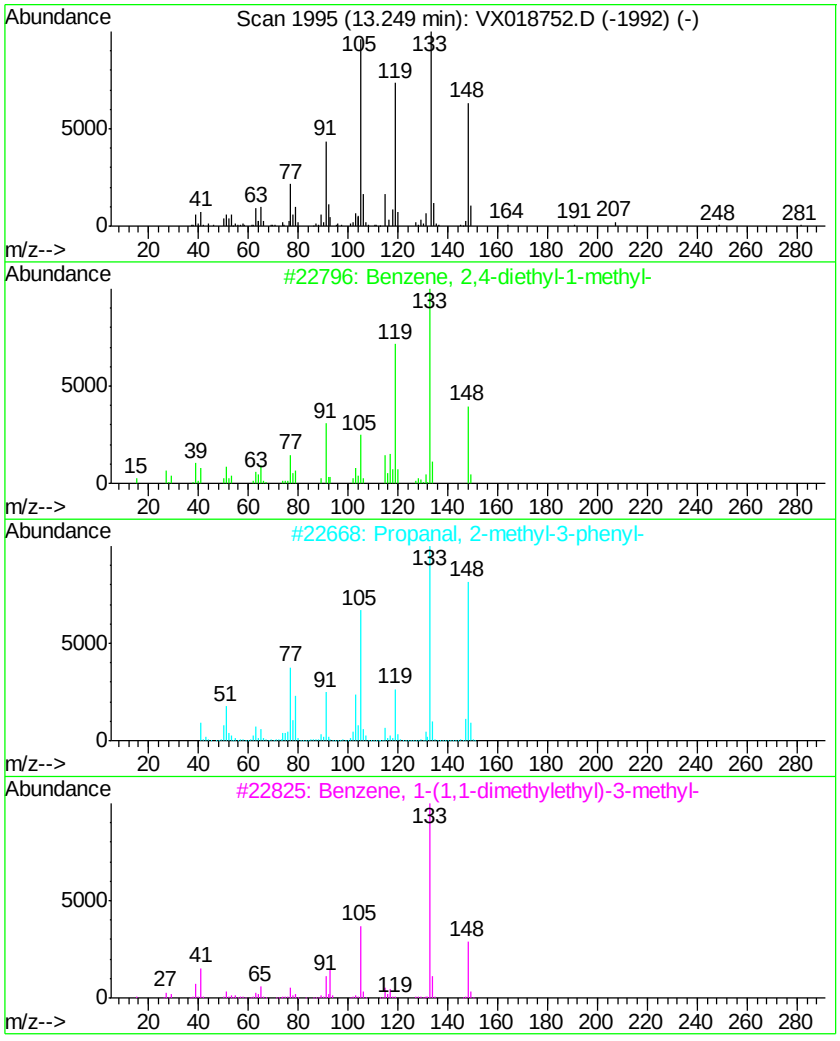
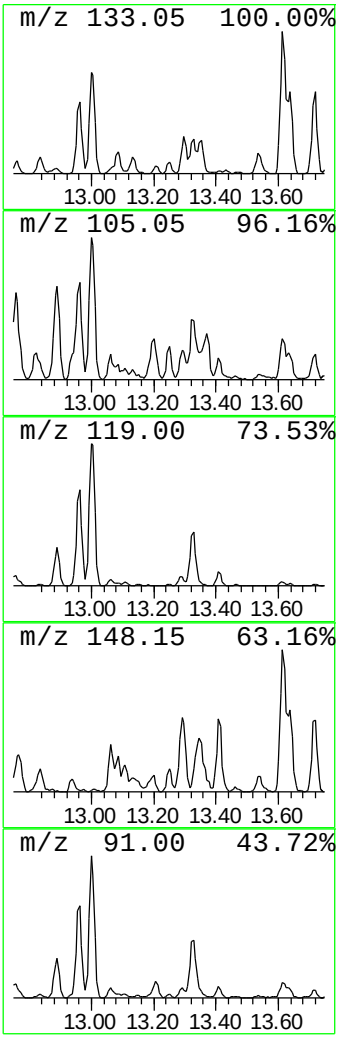
Peak Number 33 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	0.64 ug/L	117465	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	90
2	Propanal, 2-methyl-3-phenyl-	148	C10H12O	1000131-87-6	68
3	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	60
4	1H-Benzimidazole, 5-methoxy-	148	C8H8N2O	004887-80-3	60
5	Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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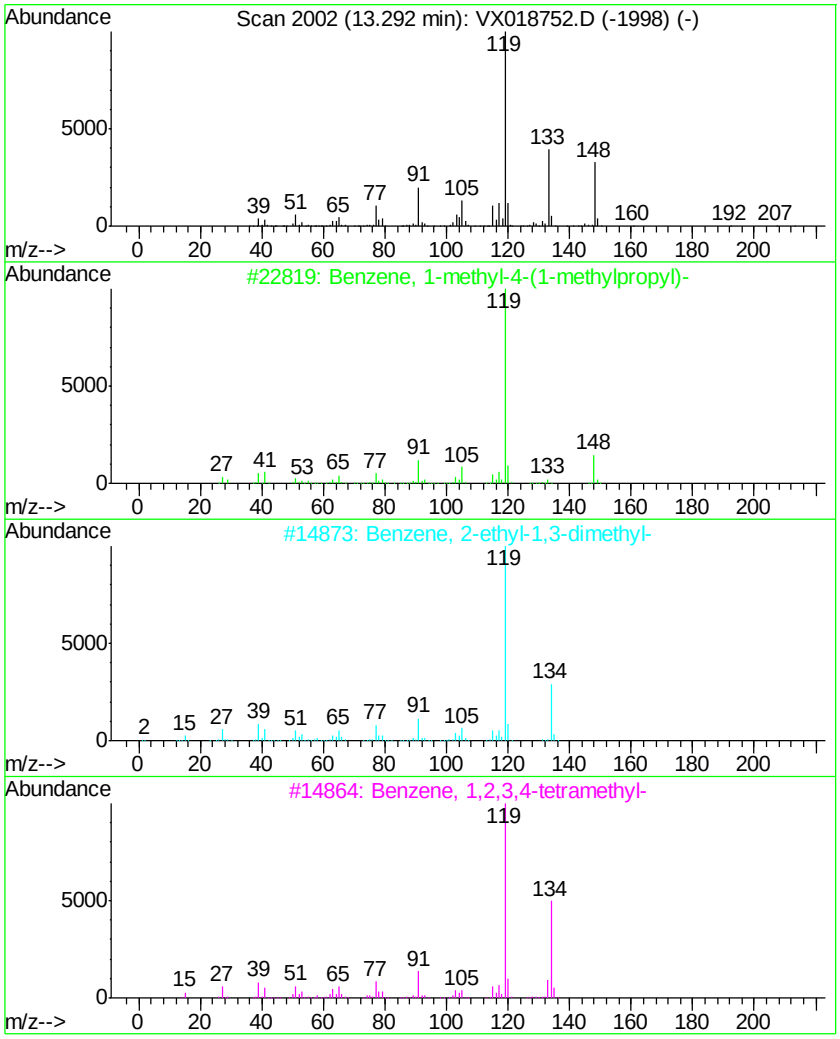
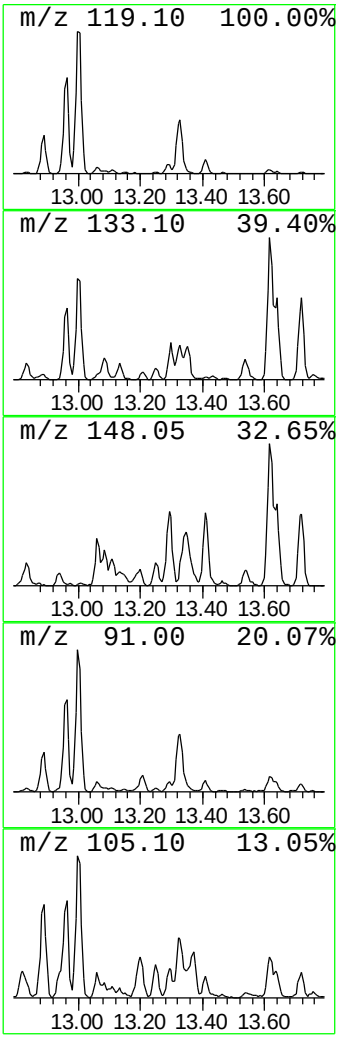
Peak Number 34 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	2.49 ug/L	459839	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	76
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
4	o-Cymene	134	C10H14	000527-84-4	60
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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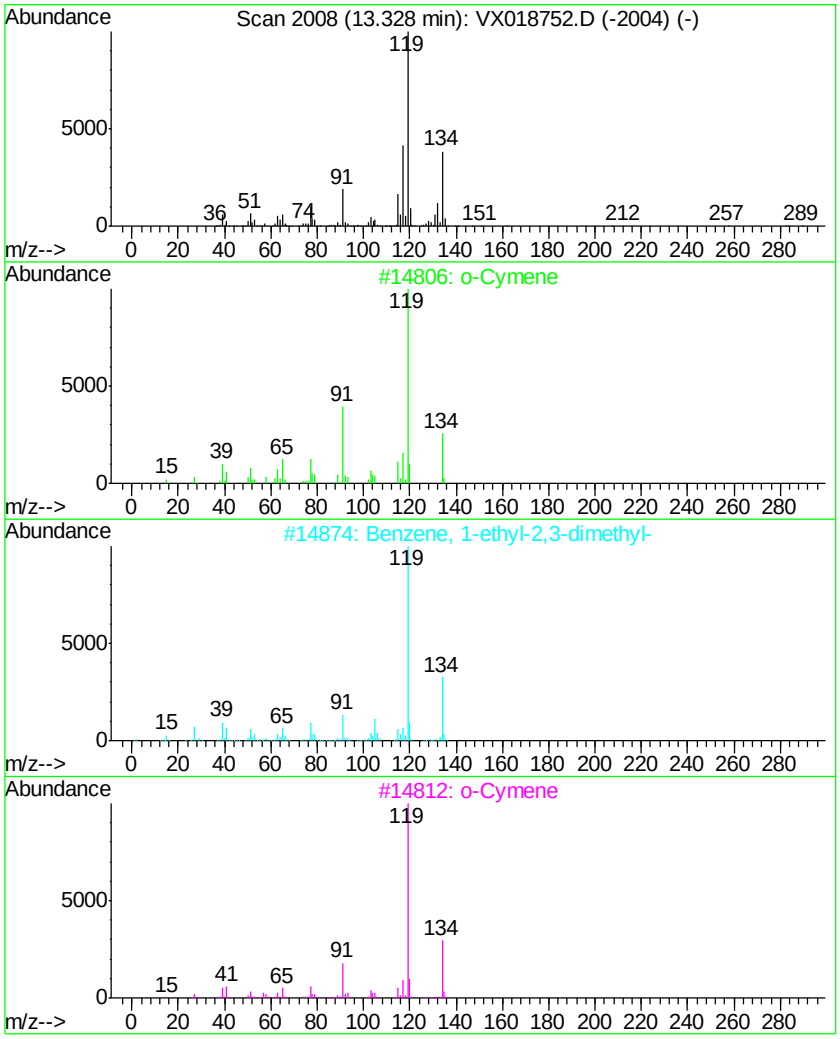
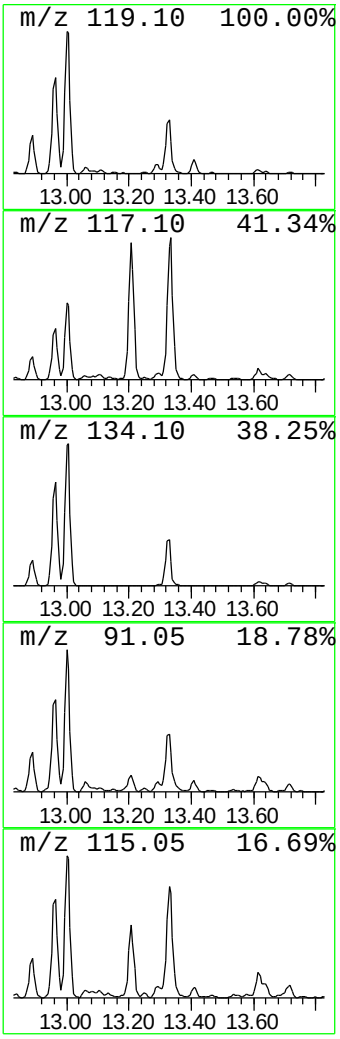
Peak Number 35 Benzene, 1-methyl-3-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	17.44 ug/L	3225000	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	76
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
3	o-Cymene	134	C10H14	000527-84-4	70
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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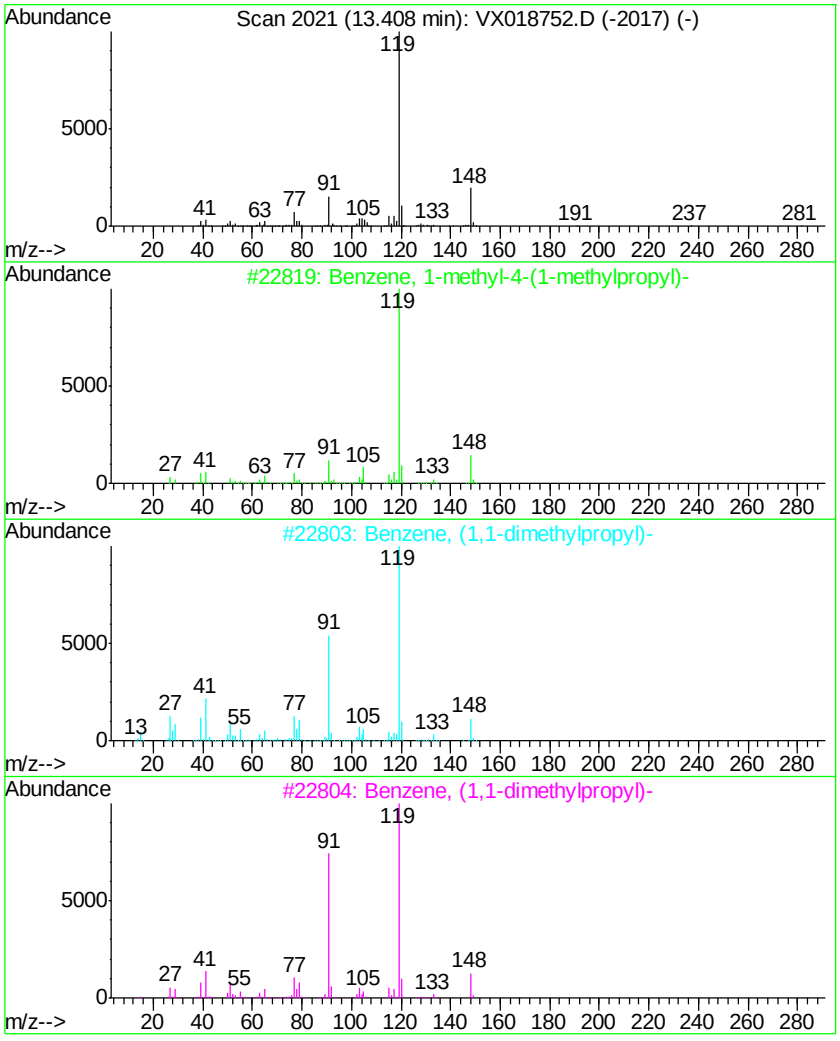
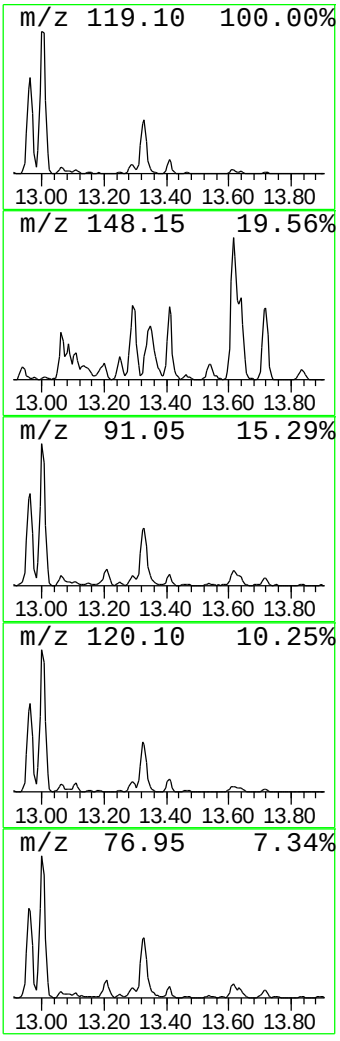
Peak Number 36 Benzene, (1,1-dimethylpropyl)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	2.17 ug/L	401895	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, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	90
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	87
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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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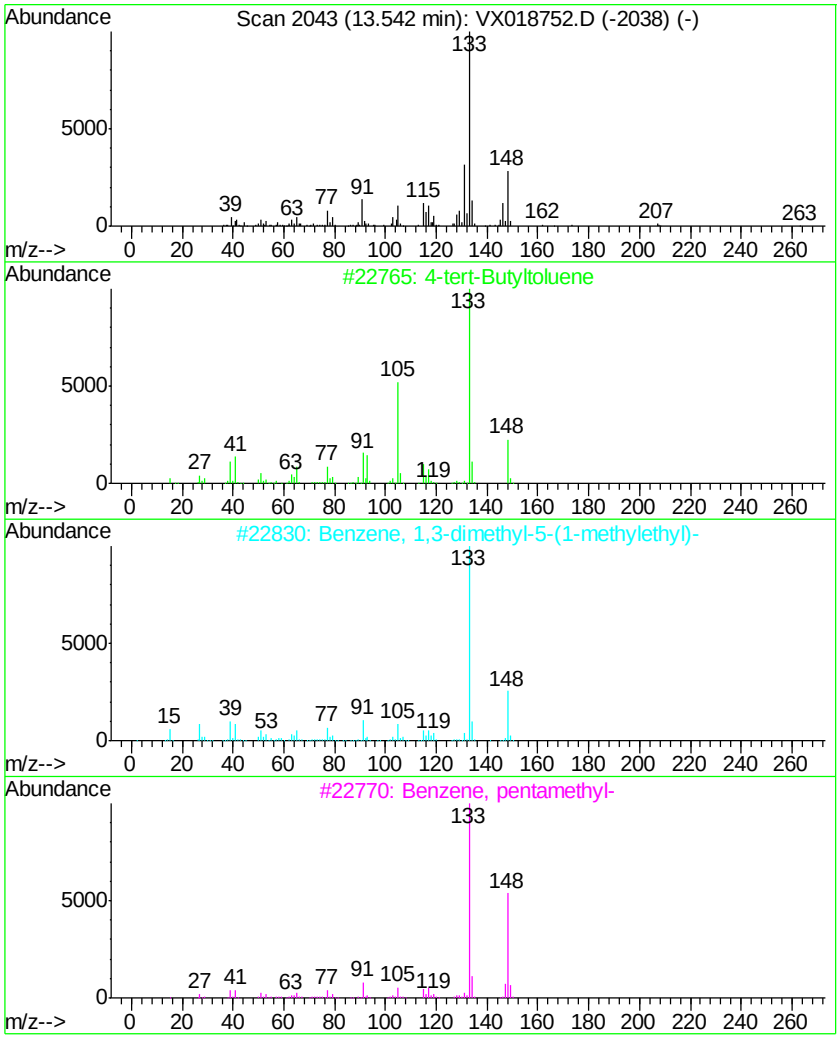
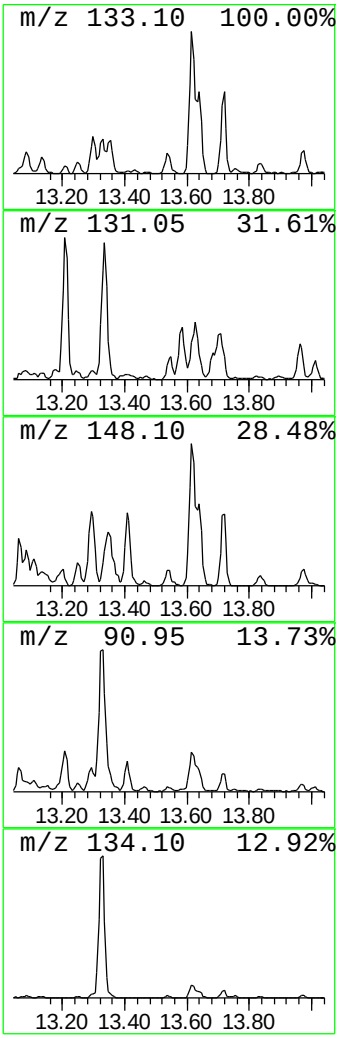
Peak Number 37 4-tert-Butyltoluene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	0.75 ug/L	138232	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-tert-Butyltoluene	148	C11H16	000098-51-1	87
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	87
4	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	87
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100220\
Data File : VX018752.D
Acq On : 02 Oct 2020 17:04
Operator : JC/SP
Sample : L4171-13DL 10X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3W0DL

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...	2.82	3.7	ug/L	359226	1	6.84	481340	5.0
(DEL) Alkane: Str...	2.87	37.9	ug/L	3647000	1	6.84	481340	5.0
(DEL) Alkane: Str...	3.15	90.7	ug/L	8730950	1	6.84	481340	5.0
(DEL) Alkane: Str...	3.50	114.8	ug/L	11053200	1	6.84	481340	5.0
(DEL) Alkane: Str...	4.12	5.1	ug/L	492225	1	6.84	481340	5.0
(DEL) Alkane: Str...	4.28	3.8	ug/L	368210	1	6.84	481340	5.0
(DEL) Alkane: Cyc...	4.37	3.5	ug/L	341088	1	6.84	481340	5.0
Benzene, propyl-	11.34	9.8	ug/L	1812930	3	12.06	924795	5.0
Benzene, 1-ethyl-...	11.42	19.8	ug/L	3663940	3	12.06	924795	5.0
Benzene, 1,2,3-tr...	11.49	12.5	ug/L	2304940	3	12.06	924795	5.0
Benzene, 1-ethyl-...	11.65	2.6	ug/L	476808	3	12.06	924795	5.0
Benzene, 1,2,4-tr...	11.79	19.1	ug/L	3533440	3	12.06	924795	5.0
Benzene, (2-methy...	11.90	1.7	ug/L	314230	3	12.06	924795	5.0
Oxirane, 2-methyl...	11.93	2.2	ug/L	407299	3	12.06	924795	5.0
Mesitylene	12.13	1.4	ug/L	264258	3	12.06	924795	5.0
Benzene, 1,2-diet...	12.29	7.8	ug/L	1438160	3	12.06	924795	5.0
Benzene, 1-methyl...	12.30	13.4	ug/L	2486790	3	12.06	924795	5.0
Benzene, 1,4-diet...	12.44	1.5	ug/L	276754	3	12.06	924795	5.0
Benzene, 1-methyl...	12.50	6.5	ug/L	1193940	3	12.06	924795	5.0
Benzene, 2-ethyl-...	12.57	19.6	ug/L	3621930	3	12.06	924795	5.0
p-Cymene	12.60	12.7	ug/L	2349390	3	12.06	924795	5.0
Benzene, 4-ethyl-...	12.65	30.4	ug/L	5626830	3	12.06	924795	5.0
o-Cymene	12.76	4.3	ug/L	799730	3	12.06	924795	5.0
Benzene, 1,4-diet...	12.83	0.9	ug/L	158791	3	12.06	924795	5.0
unknown-01	12.89	7.5	ug/L	1379520	3	12.06	924795	5.0
Benzene, 1,2,3,4-...	12.96	20.8	ug/L	3854090	3	12.06	924795	5.0
Benzene, 1,2,4,5-...	13.00	30.2	ug/L	5591860	3	12.06	924795	5.0
Benzene, 1-methyl...	13.06	1.4	ug/L	260161	3	12.06	924795	5.0
Nornicotine	13.11	0.8	ug/L	145845	3	12.06	924795	5.0
Benzene, 1,3-dime...	13.13	0.7	ug/L	119615	3	12.06	924795	5.0
Benzene, 1-etheny...	13.21	5.3	ug/L	989312	3	12.06	924795	5.0
Benzene, 2,4-diet...	13.25	0.6	ug/L	117465	3	12.06	924795	5.0
Benzene, 2-ethyl-...	13.29	2.5	ug/L	459839	3	12.06	924795	5.0
Benzene, 1-methyl...	13.33	17.4	ug/L	3225000	3	12.06	924795	5.0
Benzene, (1,1-dim...	13.41	2.2	ug/L	401895	3	12.06	924795	5.0
4-tert-Butyltoluene	13.54	0.8	ug/L	138232	3	12.06	924795	5.0