LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.386	42	49	54	rBV2	76557	104740	1.02%	0.090%
2	1.483	61	65	72	rBV	126548	163755	1.60%	0.140%
3	2.343	197	206	216	rBV2	144338	253358	2.47%	0.217%
4	2.447	216	223	235	rVV	100226	289842	2.82%	0.248%
5	2.550	235	240	247	rVB	84530	137537	1.34%	0.118%
6	2.831	277	286	287	rBV3	144804	271653	2.65%	0.232%
7	2.873	287	293	307	rVB	1331231	2752779	26.83%	2.353%
8	3.154	328	339	352	rBV	2814822	6297713	61.37%	5.382%
9	3.385	370	377	386	rVB	51719	119061	1.16%	0.102%
10	3.501	386	396	413	rBV	4624106	10261868	100.00%	8.770%
11	4.117	486	497	513	rBV	223420	669148	6.52%	0.572%
12	4.288	513	525	533	rVV4	189769	619822	6.04%	0.530%
13	4.379	533	540	549	rVB2	59361	175004	1.71%	0.150%
14	4.550	554	568	579	rVV2	82816	316682	3.09%	0.271%
15	4.654	579	585	599	rVB2	40130	127385	1.24%	0.109%
16	5.141	652	665	675	rBV	98528	311205	3.03%	0.266%
17	6.043	802	813	824	rBV3	201349	607971	5.92%	0.520%
18	6.830	934	942	955	rVB	212676	509220	4.96%	0.435%
19	7.373	1022	1031	1039	rBV	136706	302507	2.95%	0.259%
20	8.372	1190	1195	1203	rVB	82282	134156	1.31%	0.115%
21	8.695	1243	1248	1254	rVB	320923	497926	4.85%	0.426%
22	9.427	1362	1368	1373	rBV	467943	647830	6.31%	0.554%
23	9.561	1383	1390	1395	rBV	181026	252066	2.46%	0.215%
24	10.098	1472	1478	1484	rBV	427111	612599	5.97%	0.524%
25	10.896	1605	1609	1618	rVB2	90893	129626	1.26%	0.111%
26	11.000	1621	1626	1631	rBV	134569	175758	1.71%	0.150%
27	11.232	1658	1664	1674	rVB	160060	230986	2.25%	0.197%
28	11.341	1677	1682	1689	rVV	2416626	2951621	28.76%	2.523%
29	11.421	1689	1695	1702	rVV	2682877	5284540	51.50%	4.516%
30	11.488	1702	1706	1721	rVB	1760549	2252947	21.95%	1.926%
31	11.610	1721	1726	1729	rBV	121096	154681	1.51%	0.132%
32	11.652	1729	1733	1740	rVB	762231	904470	8.81%	0.773%
33	11.792	1751	1756	1766	rVB	4529978	5315491	51.80%	4.543%
34	11.902	1766	1774	1776	rBV	411968	541678	5.28%	0.463%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	11.927	1776	1778	1782	rVV	516611	637980	6.22%	0.545%
36	11.963	1782	1784	1787	rVV	107970	124856	1.22%	0.107%
37	12.012	1787	1792	1795	rVV	948697	1206250	11.75%	1.031%
38	12.061	1795	1800	1806	rVV3	650226	1099935	10.72%	0.940%
39	12.128	1806	1811	1816	rVB	335371	411712	4.01%	0.352%
40	12.219	1821	1826	1829	rBV	86255	105402	1.03%	0.090%
41	12.286	1833	1837	1838	rVV	1897926	2013793	19.62%	1.721%
42	12.305	1838	1840	1844	rVV	3064061	3667678	35.74%	3.135%
43	12.353	1844	1848	1857	rVB3	4969077	7461166	72.71%	6.377%
44	12.445	1858	1863	1867	rBV	361659	445141	4.34%	0.380%
45	12.500	1867	1872	1878	rVB	1544192	1865322	18.18%	1.594%
46	12.573	1878	1884	1886	rBV	3747401	5163001	50.31%	4.413%
47	12.591	1886	1887	1892	rVB	3040866	2921195	28.47%	2.497%
48	12.652	1892	1897	1901	rBV	6659081	7499862	73.08%	6.410%
49	12.683	1901	1902	1907	rVB	129380	130205	1.27%	0.111%
50	12.756	1907	1914	1920	rBV4	701343	1410683	13.75%	1.206%
51	12.835	1920	1927	1931	rBV2	216755	319236	3.11%	0.273%
52	12.890	1931	1936	1940	rVB	1774417	2137083	20.83%	1.826%
53	12.963	1940	1948	1951	rBV	5594013	6788146	66.15%	5.802%
54	13.000	1951	1954	1960	rVB	5695697	6909102	67.33%	5.905%
55	13.061	1960	1964	1966	rBV	466702	551215	5.37%	0.471%
56	13.085	1966	1968	1970	rVV	213703	217213	2.12%	0.186%
57	13.109	1970	1972	1974	rVB	208867	172999	1.69%	0.148%
58	13.207	1981	1988	1992	rVB2	906832	1211003	11.80%	1.035%
59	13.250	1992	1995	1998	rVB	217780	226708	2.21%	0.194%
60	13.292	1998	2002	2004	rBV2	657074	889414	8.67%	0.760%
61	13.329	2004	2008	2017	rVV2	3222469	4967617	48.41%	4.246%
62	13.408	2017	2021	2027	rVB	766669	835996	8.15%	0.714%
63	13.463	2027	2030	2038	rVB3	113589	181099	1.76%	0.155%
64	13.536	2038	2042	2047	rBV2	174706	275316	2.68%	0.235%
65	13.628	2051	2057	2064	rVV2	4063194	6289287	61.29%	5.375%
66	13.719	2067	2072	2075	rVV	556617	729731	7.11%	0.624%
67	13.756	2075	2078	2082	rVB	216654	249882	2.44%	0.214%
68	13.835	2085	2091	2093	rVV2	73159	111986	1.09%	0.096%
69	13.969	2105	2113	2115	rBV3	232582	365446	3.56%	0.312%
70	13.999	2115	2118	2124	rVB2	929073	1253023	12.21%	1.071%
71	14.115	2132	2137	2141	rBV	252261	301267	2.94%	0.257%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	14.255	2155	2160	2165	rBV2	158451	251561	2.45%	0.215%
73	14.359	2172	2177	2182	rBV	224703	276685	2.70%	0.236%
74	14.414	2182	2186	2190	rVV	140203	172139	1.68%	0.147%
75	14.463	2190	2194	2200	rVB2	69695	103423	1.01%	0.088%
76	14.676	2222	2229	2233	rBV	252733	341589	3.33%	0.292%
77	14.725	2233	2237	2241	rVB	165948	204989	2.00%	0.175%
78	14.822	2249	2253	2258	rBV	102872	130762	1.27%	0.112%

Sum of corrected areas: 117005723

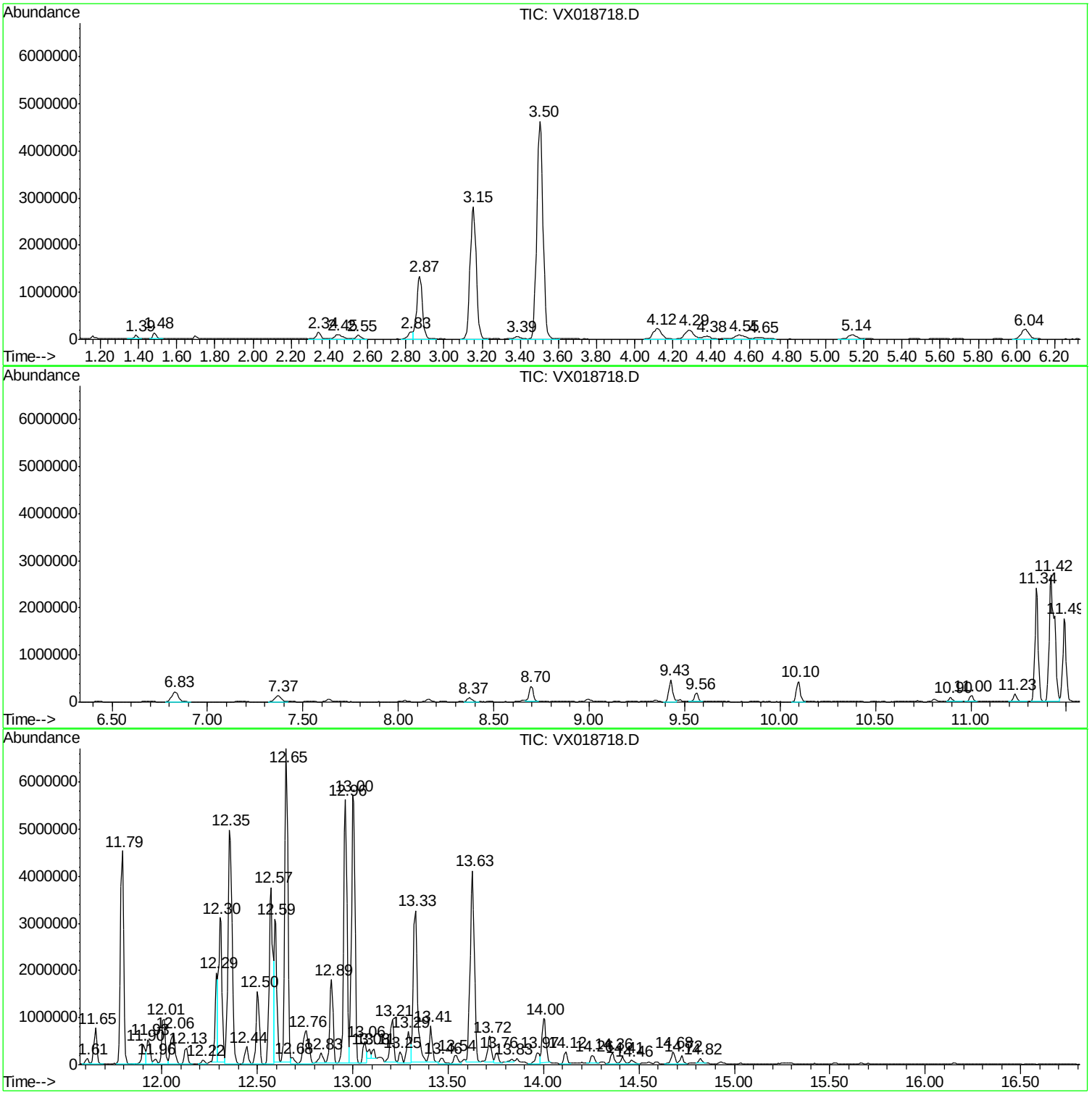
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BG3T9

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

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

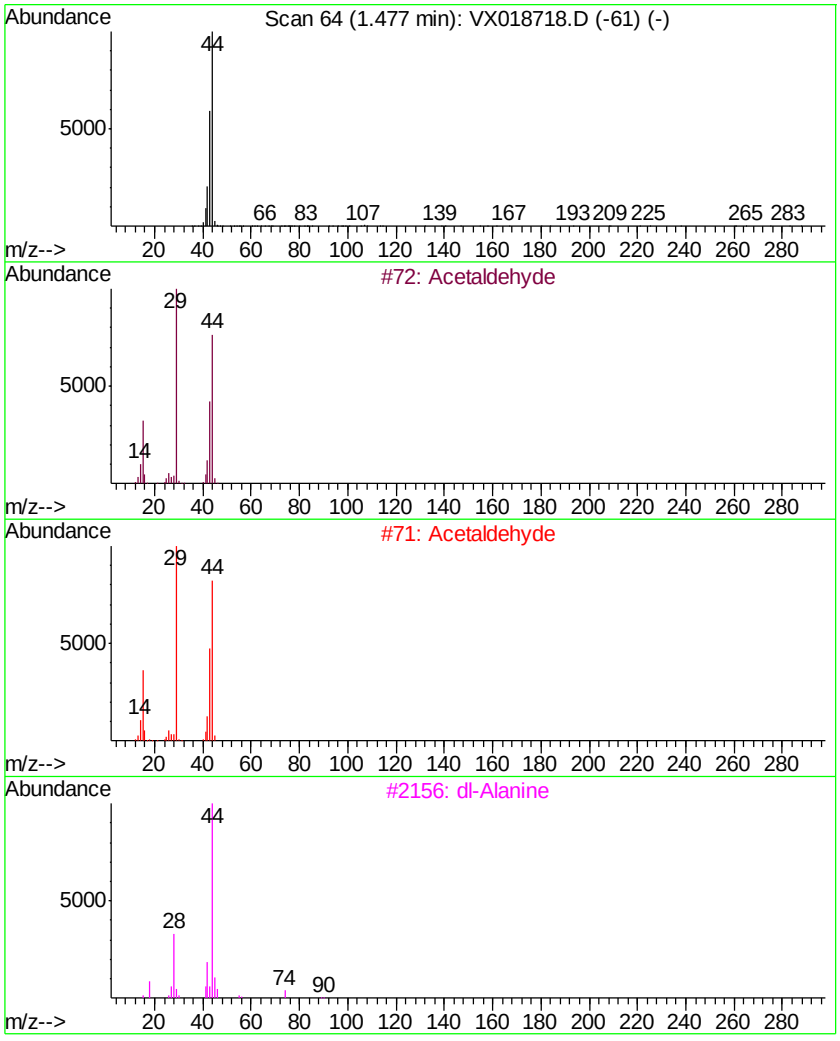
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

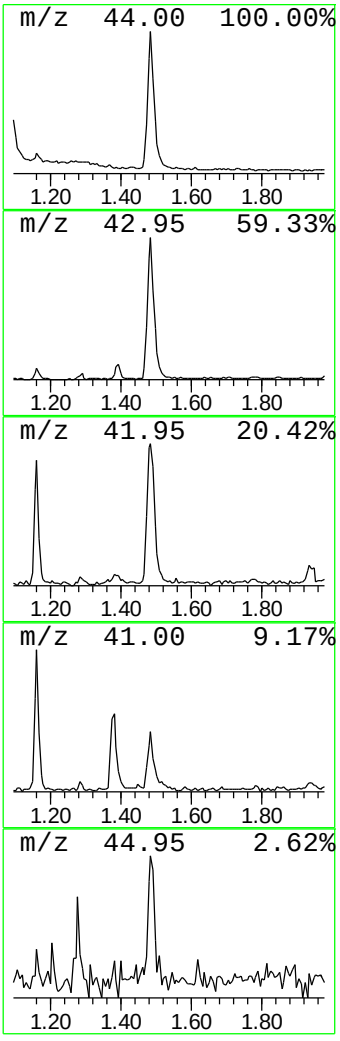
****

Peak Number 1 Acetaldehyde Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	1.61 ug/L	163755	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	56
2	Acetaldehyde	44	C2H4O	000075-07-0	56
3	dl-Alanine	89	C3H7NO2	000302-72-7	7
4	dl-Alanine	89	C3H7NO2	000302-72-7	7
5	Benzyl alcohol, p-hydroxy-.alpha...	167	C9H13NO2	000094-07-5	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

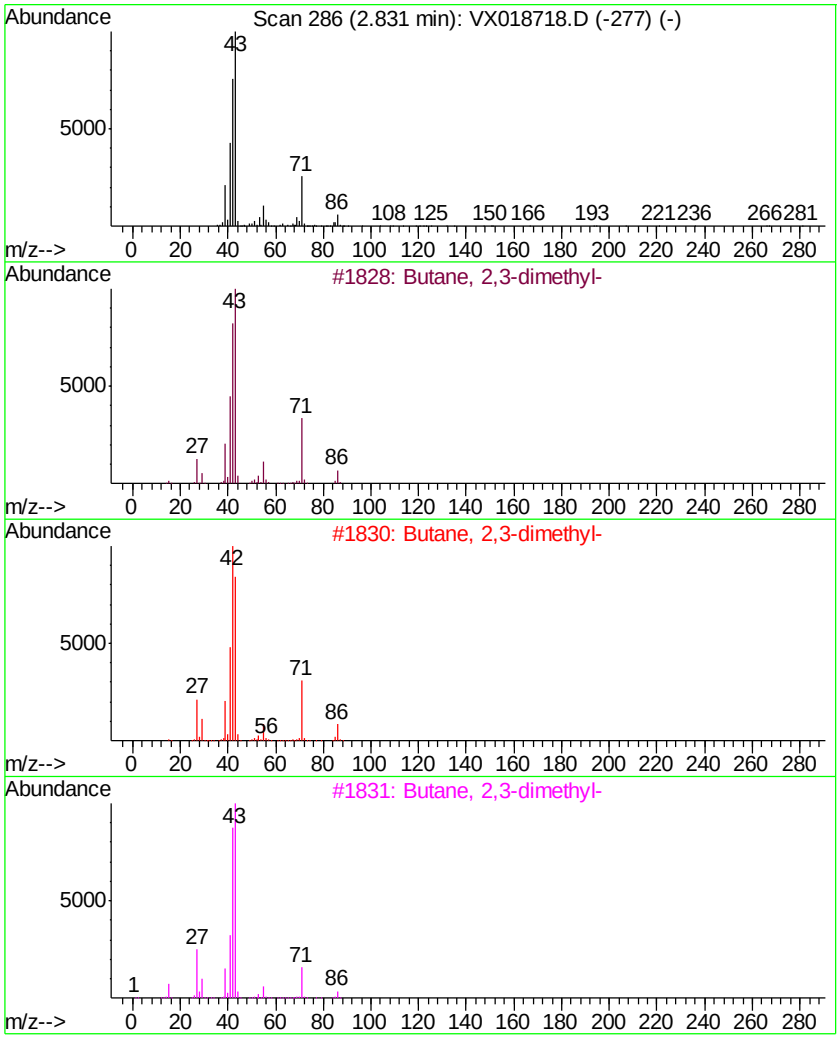
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

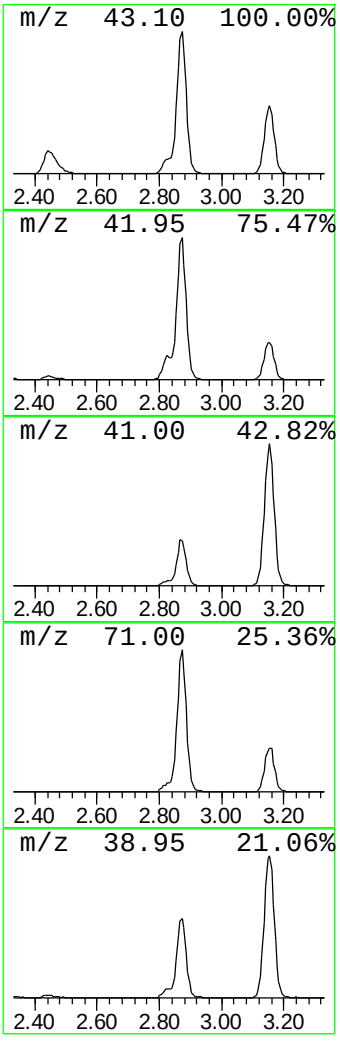
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.83	2.67 ug/L	271653	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	78
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	78
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

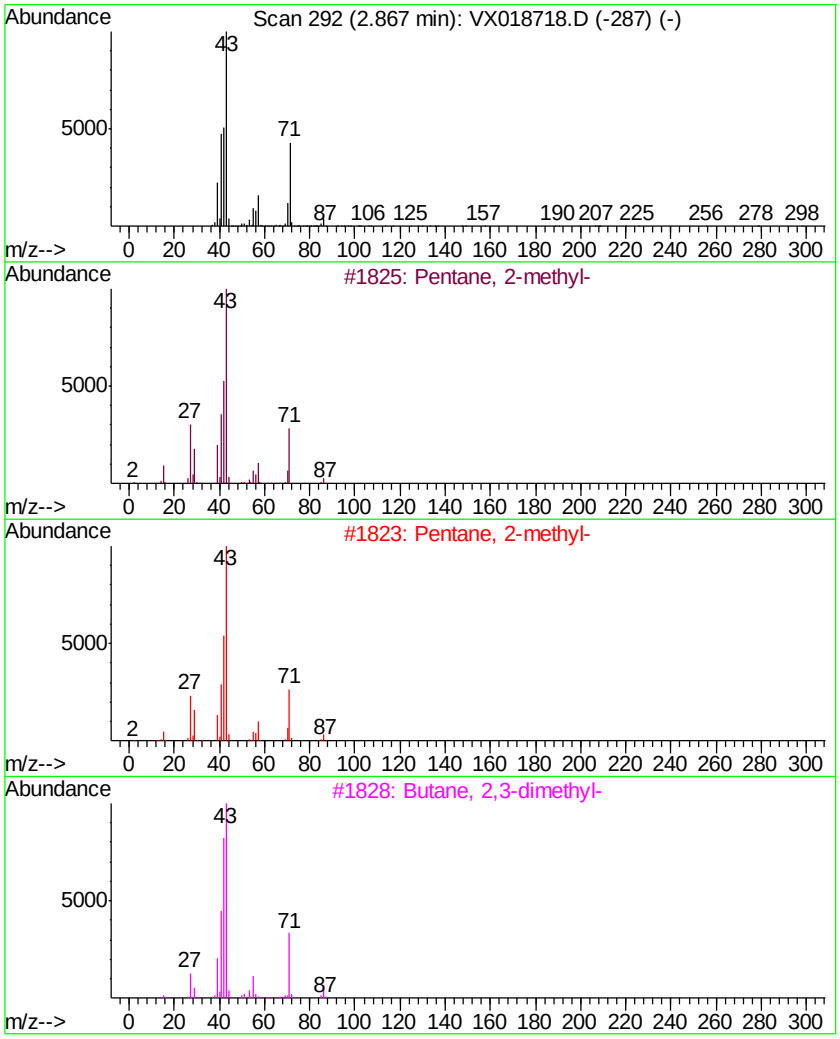
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

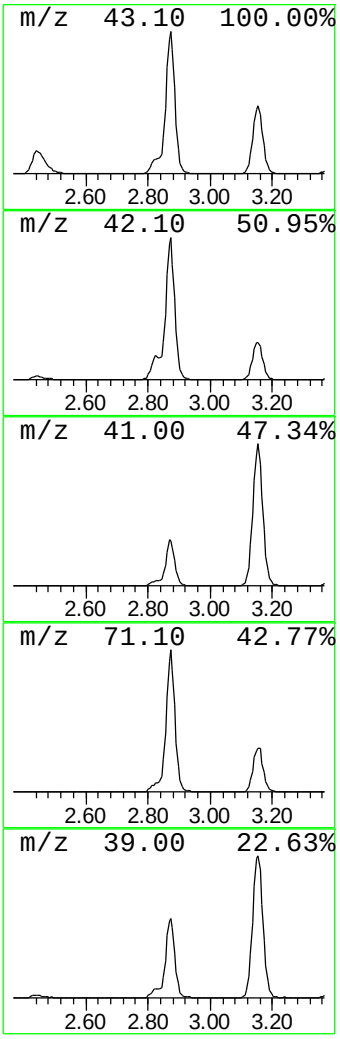
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.87	27.03 ug/L	2752780	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49
4	Pentane	72	C5H12	000109-66-0	43
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

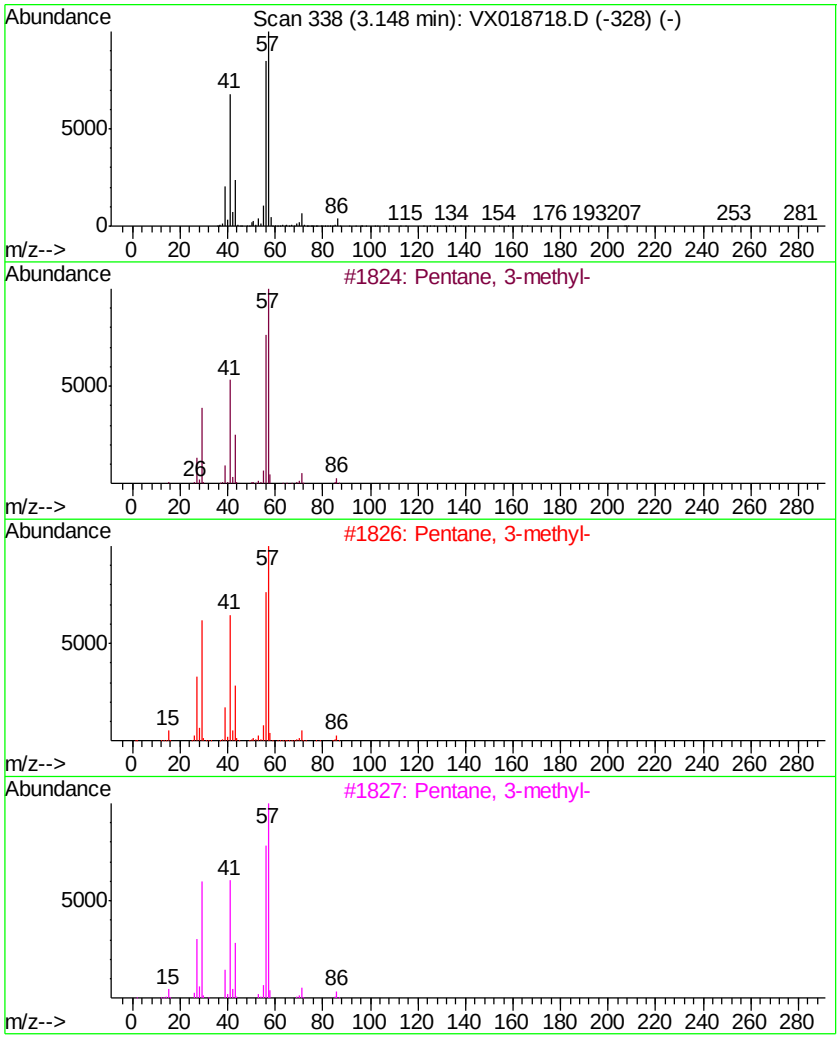
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

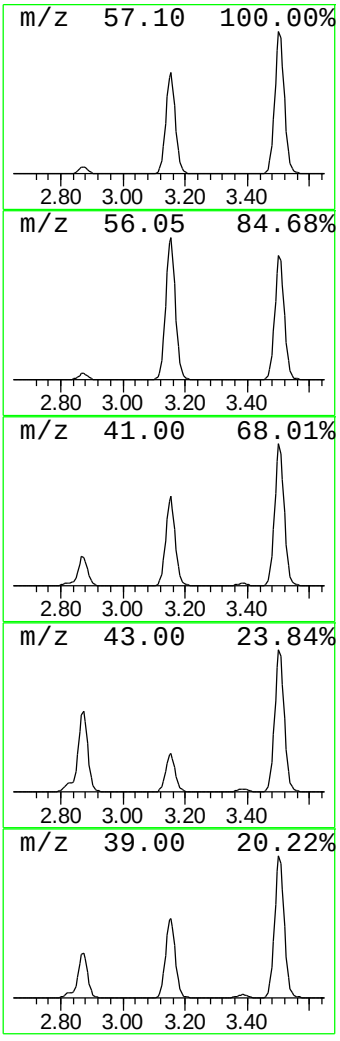
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	61.84 ug/L	6297710	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	43
5	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

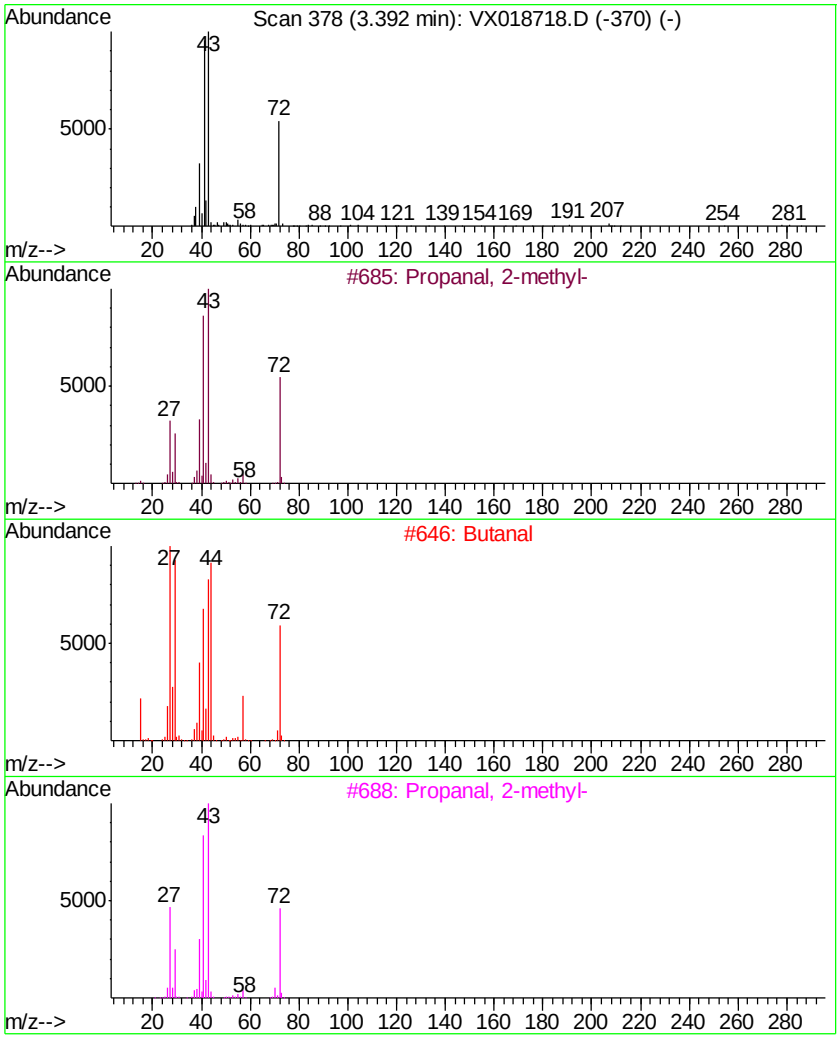
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

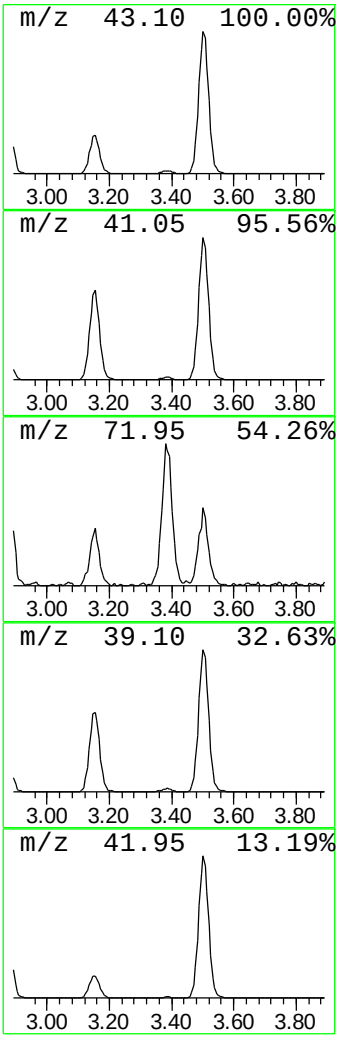
****

Peak Number 5 Propanal, 2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	1.17 ug/L	119061	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	86
2	Butanal	72	C4H8O	000123-72-8	64
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	52
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	38
5	Methacrolein	70	C4H6O	000078-85-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

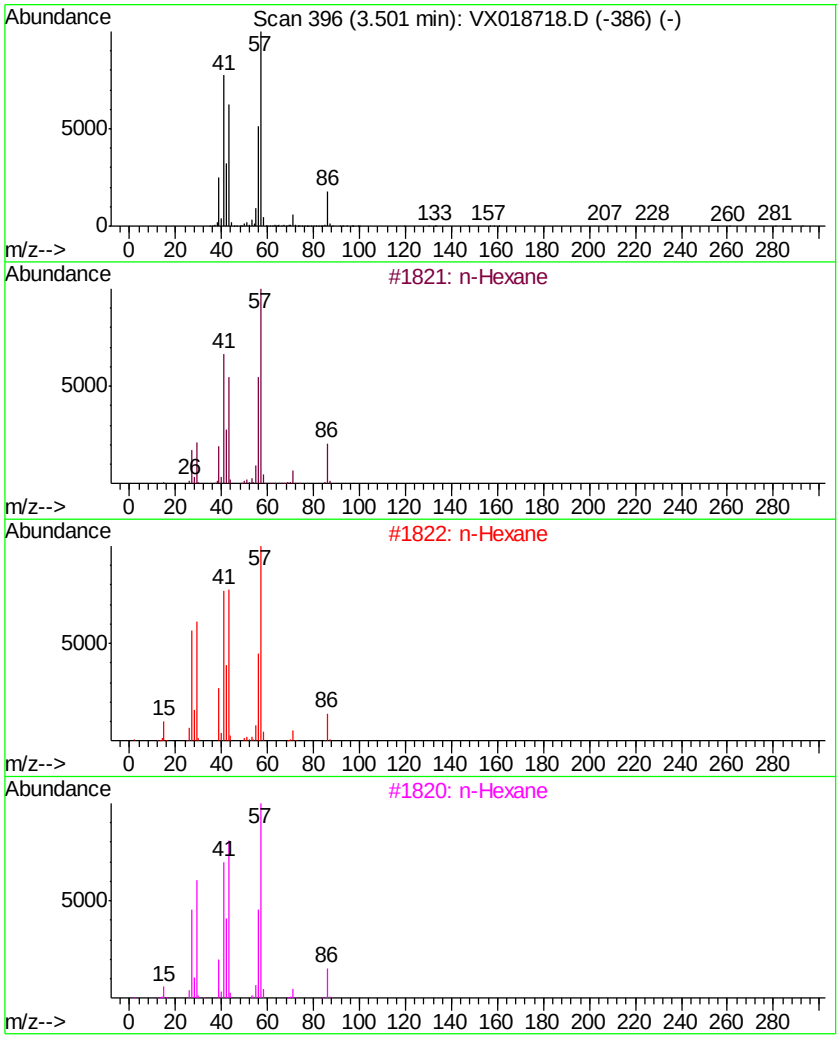
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

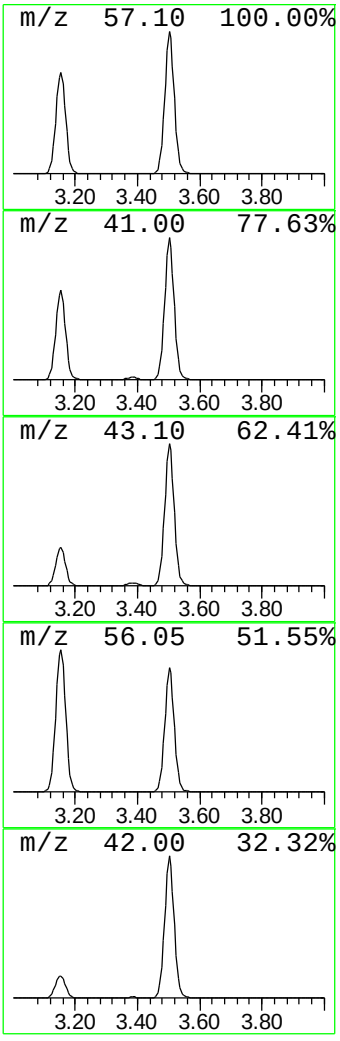
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	100.76 ug/L	10261900	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	64
3	n-Hexane	86	C6H14	000110-54-3	59
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

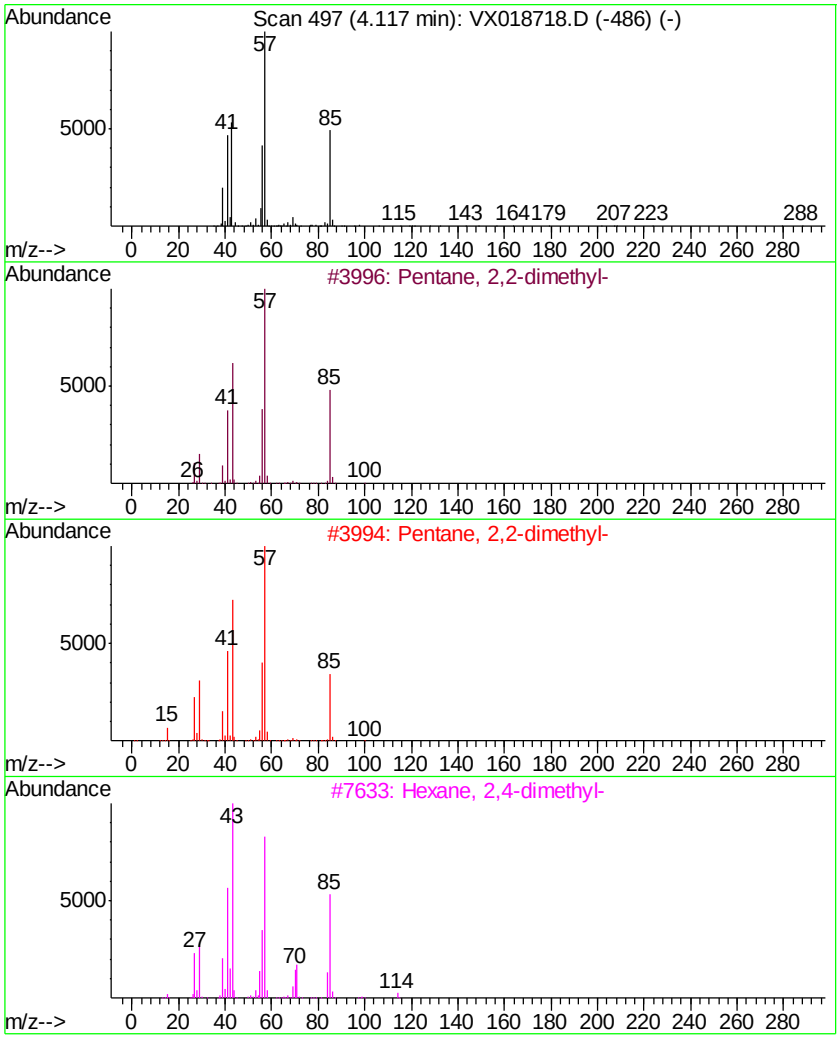
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

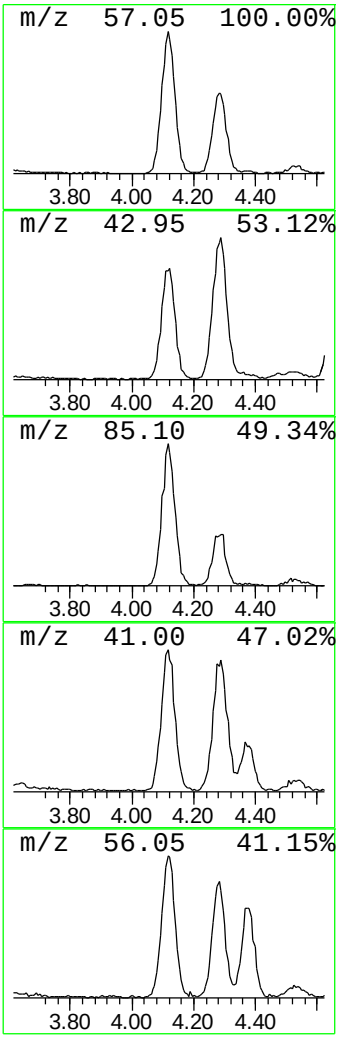
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.12	6.57 ug/L	669148	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

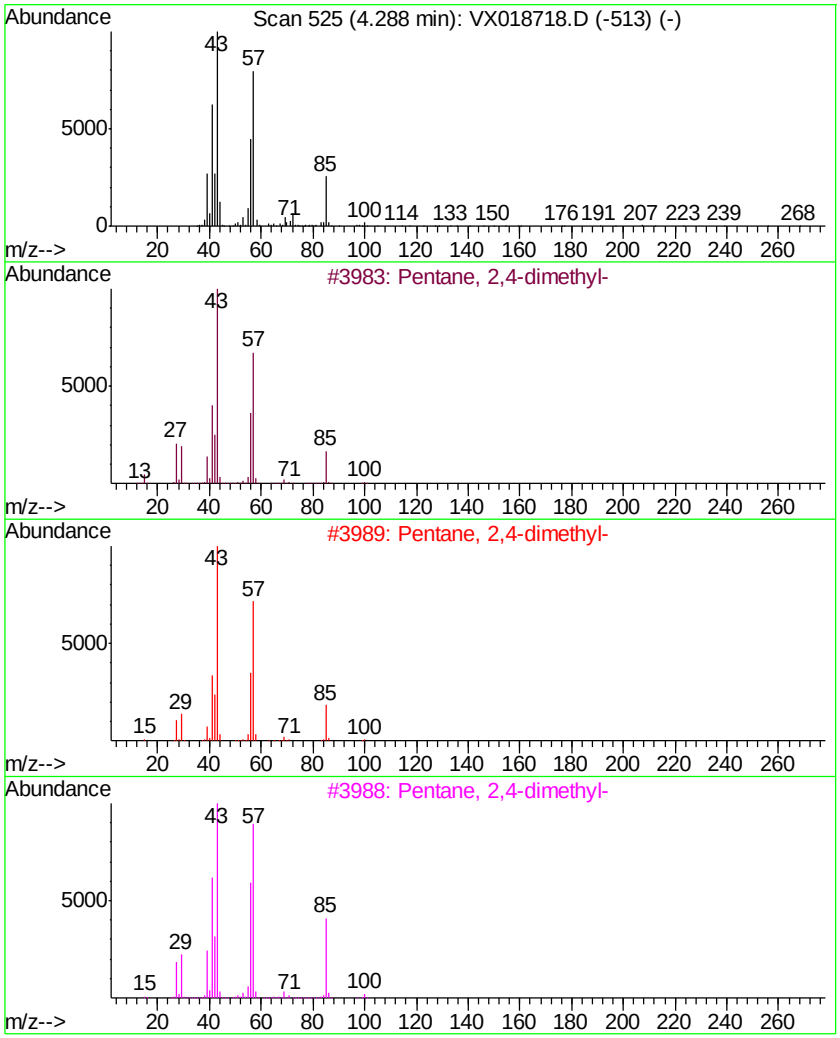
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

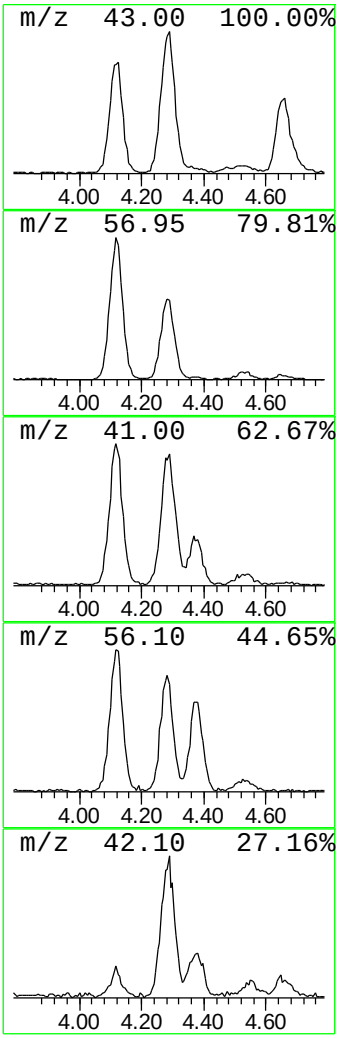
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.29	6.09 ug/L	619822	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, 2,4-dimethyl-	100	C7H16	000108-08-7	72
4	Heptane, 3-methyl-	114	C8H18	000589-81-1	59
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

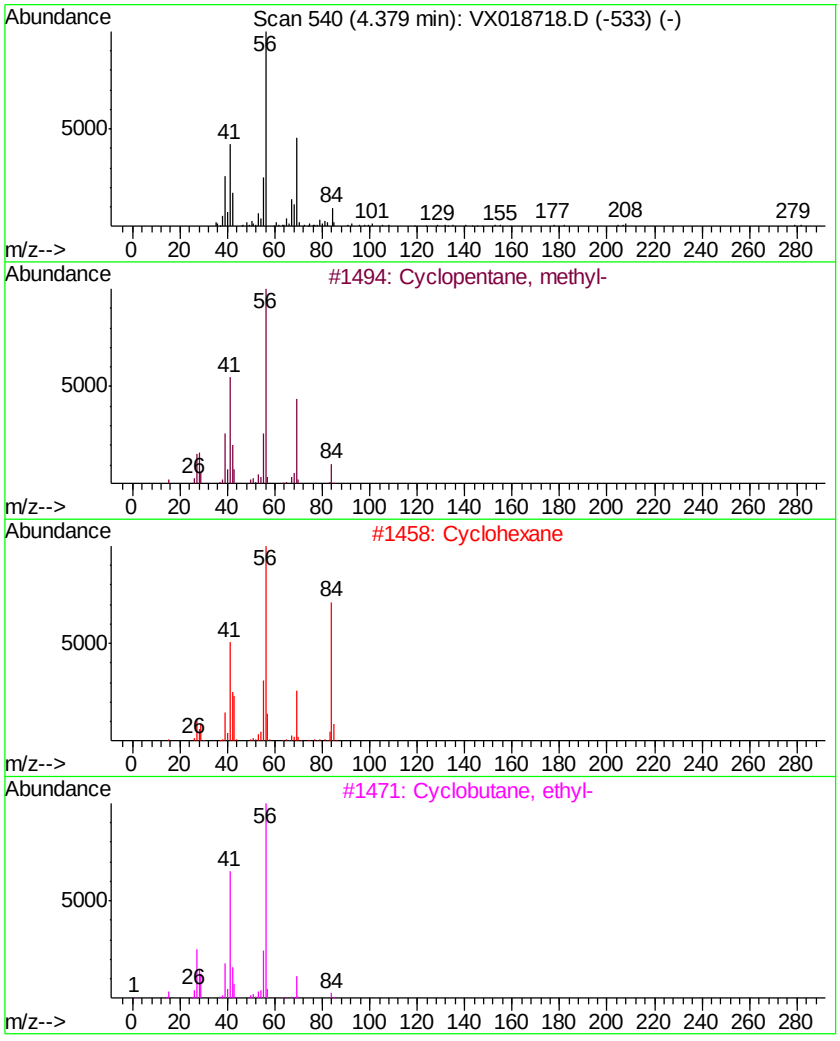
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

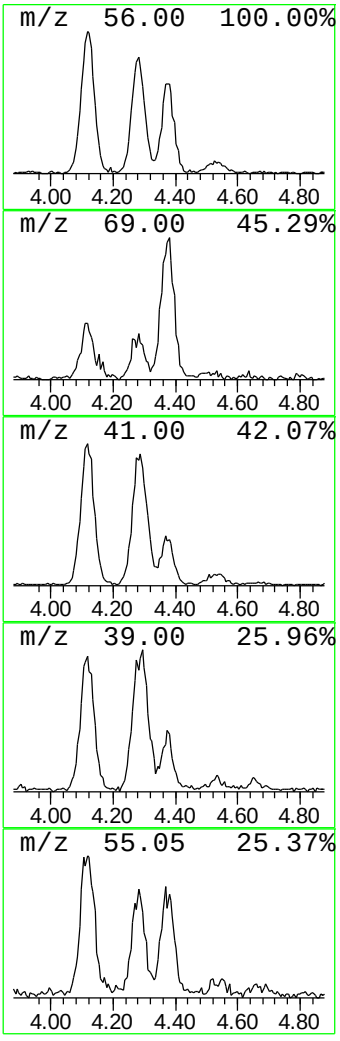
****

Peak Number 9 (DEL) Alkane: Cyclic4.38 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	1.72 ug/L	175004	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
2	Cyclohexane	84	C6H12	000110-82-7	64
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	58
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	53
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

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

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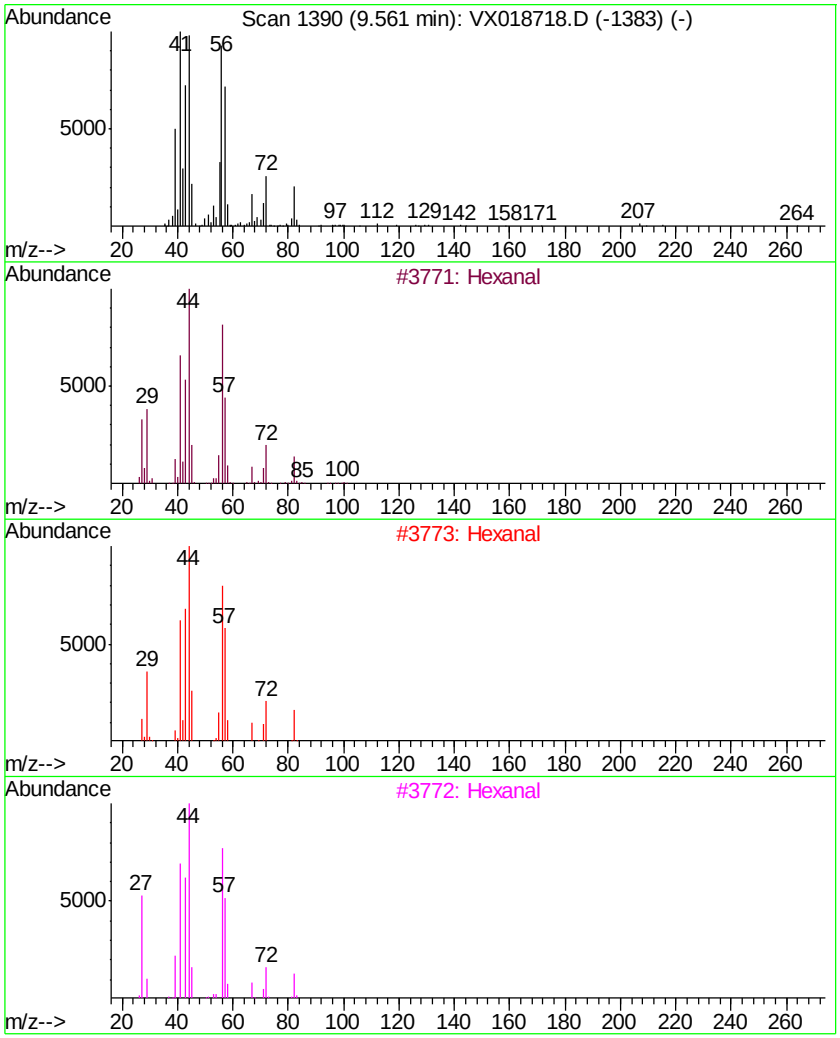
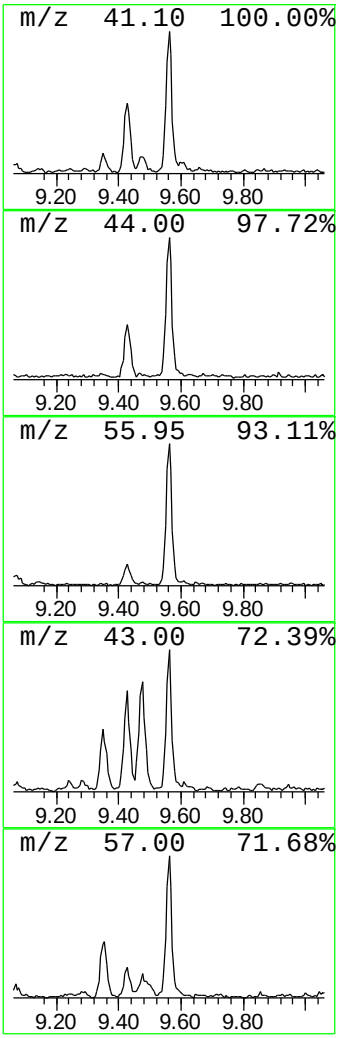
Peak Number 11 Hexanal Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	2.06 ug/L	252066	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	81
2	Hexanal	100	C6H12O	000066-25-1	64
3	Hexanal	100	C6H12O	000066-25-1	59
4	Hexanal	100	C6H12O	000066-25-1	59
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

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

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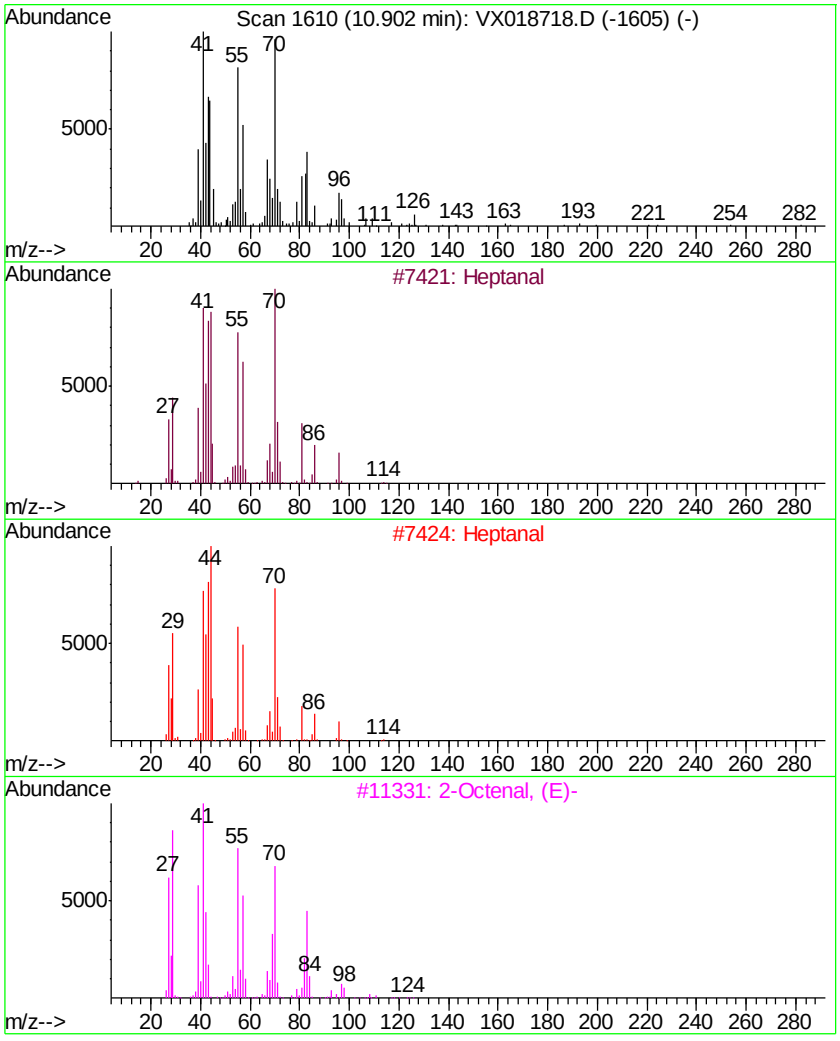
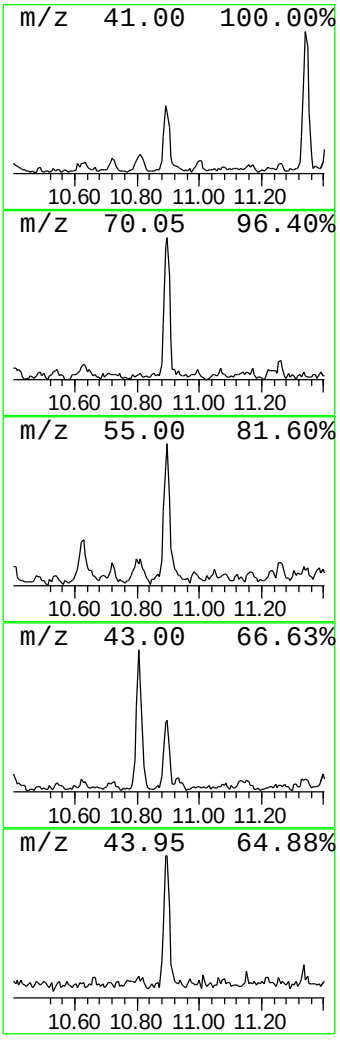
Peak Number 12 Heptanal Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	1.06 ug/L	129626	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	64
2	Heptanal	114	C7H14O	000111-71-7	47
3	2-Octenal, (E)-	126	C8H14O	002548-87-0	46
4	2-Octenal, (E)-	126	C8H14O	002548-87-0	43
5	Heptanal	114	C7H14O	000111-71-7	38





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Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

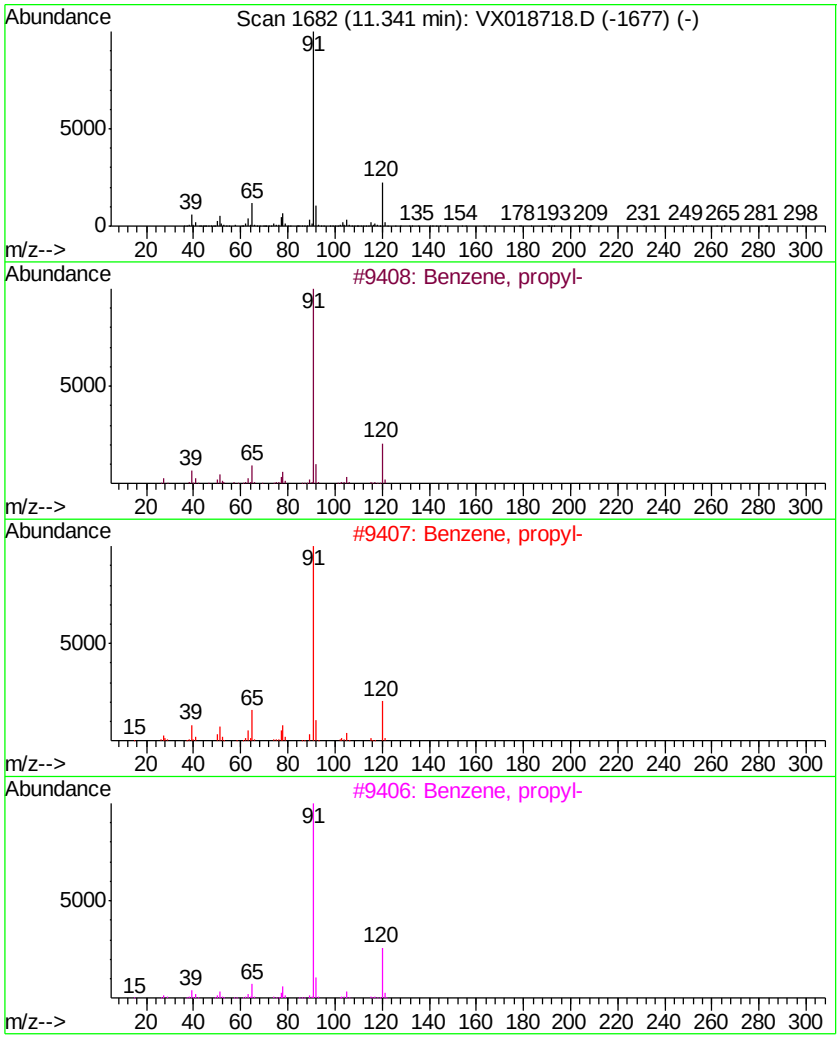
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

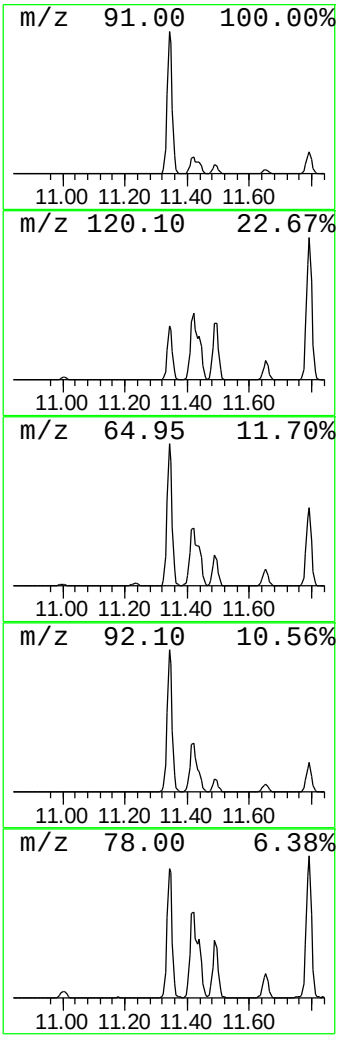
****

Peak Number 13 Benzene, propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	13.42 ug/L	2951620	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





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Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

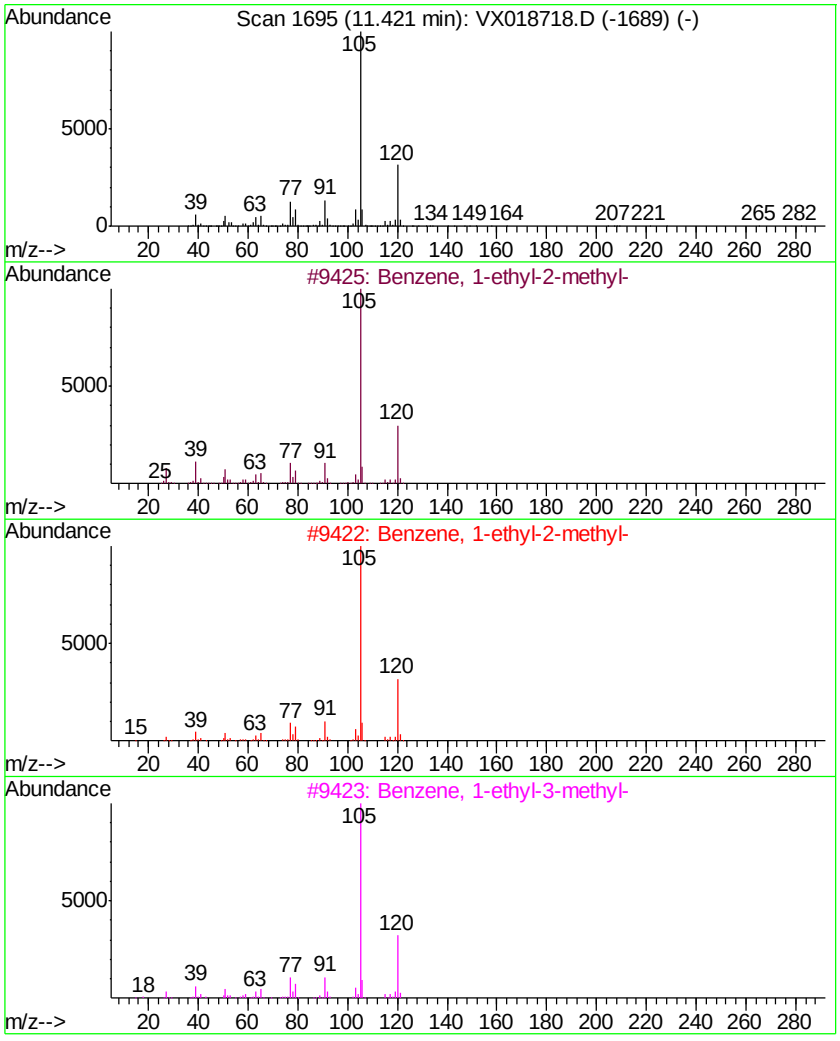
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

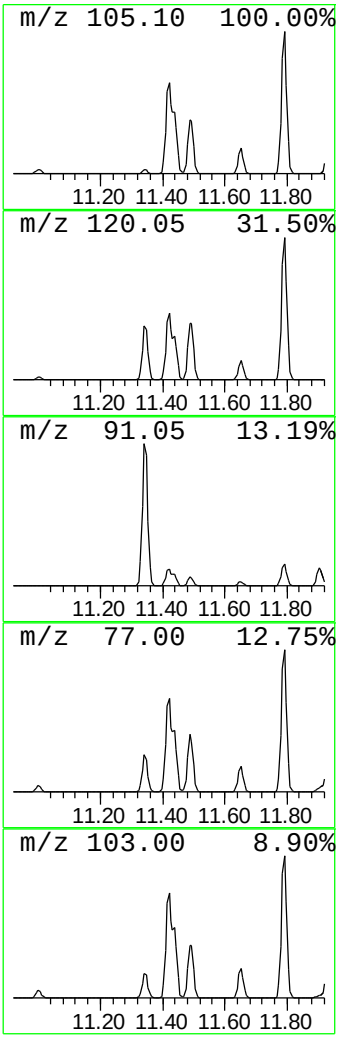
****

Peak Number 14 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	24.02 ug/L	5284540	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	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

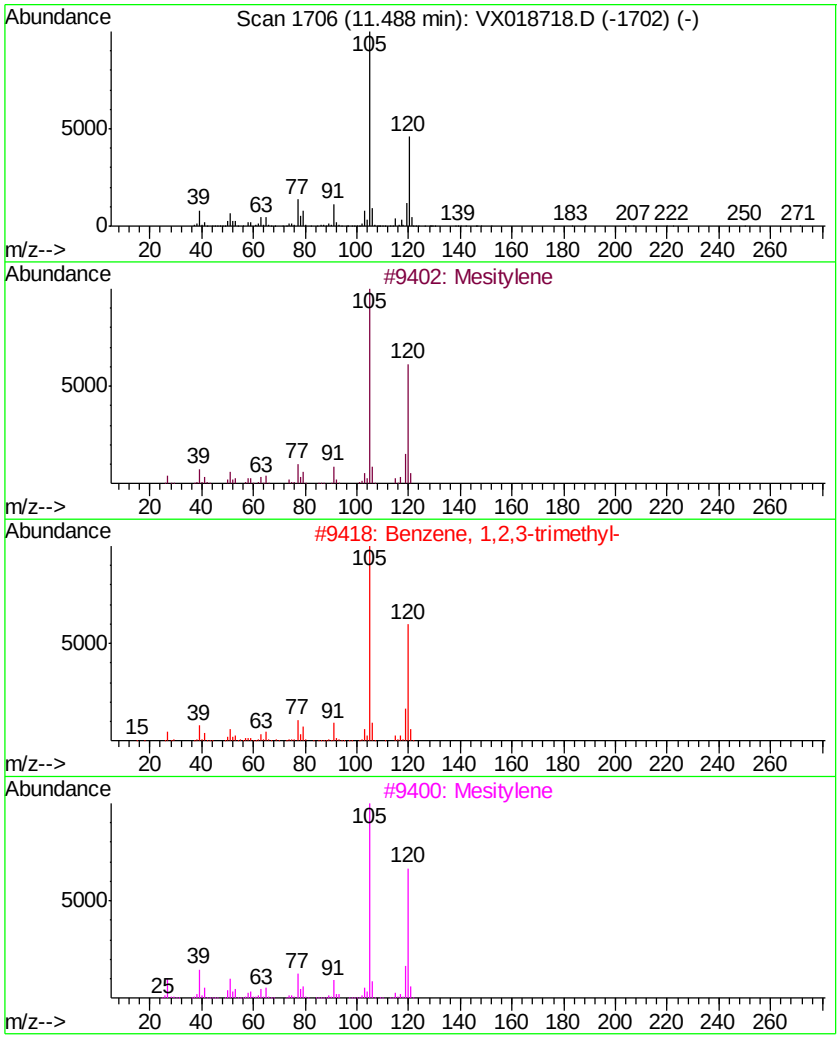
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

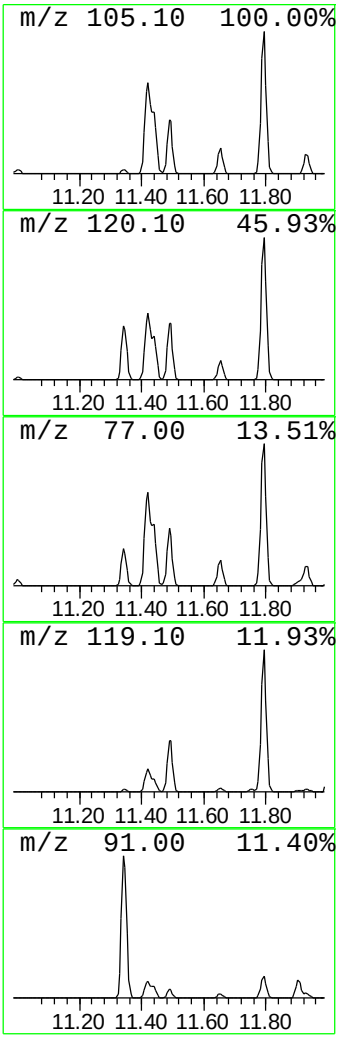
****

Peak Number 15 Mesitylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	10.24 ug/L	2252950	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	Mesitylene	120	C9H12	000108-67-8	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

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

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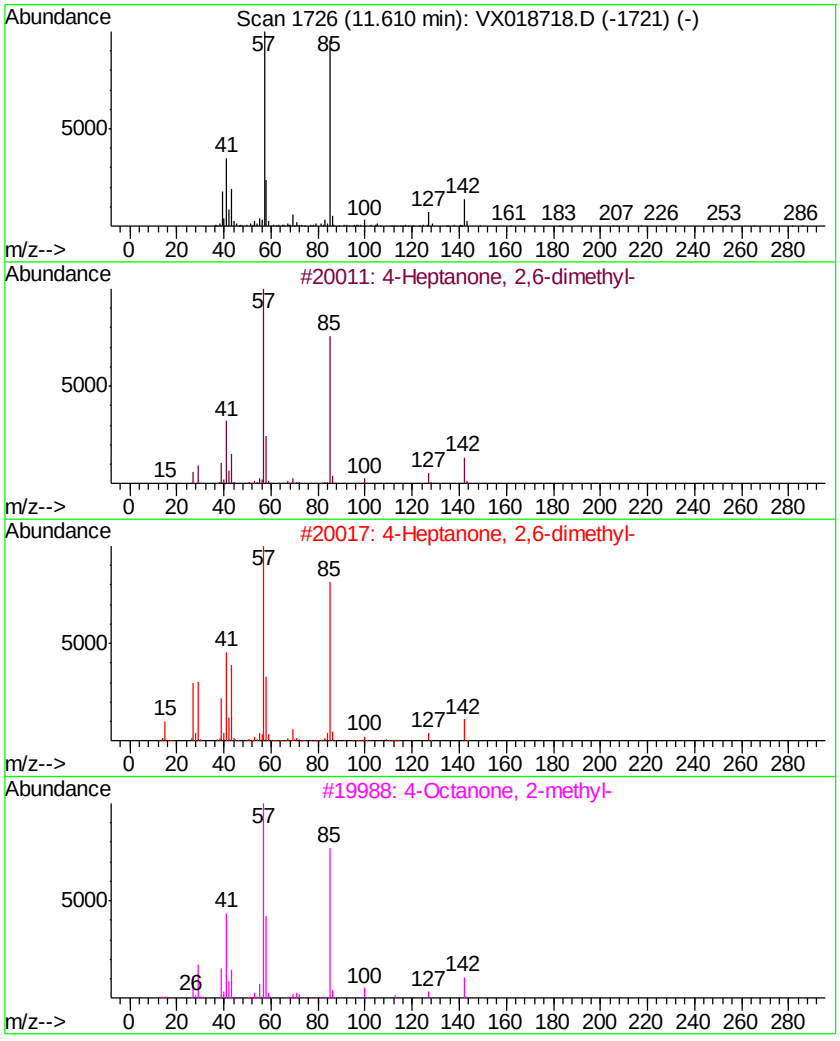
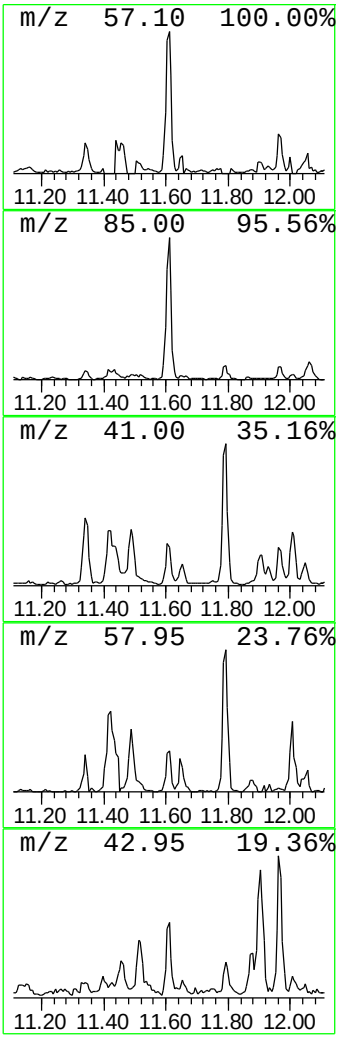
Peak Number 16 4-Heptanone, 2,6-dimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	0.70 ug/L	154681	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	87
3	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	64
4	5-Nonanone	142	C9H18O	000502-56-7	59
5	5-Nonanone	142	C9H18O	000502-56-7	59





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Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

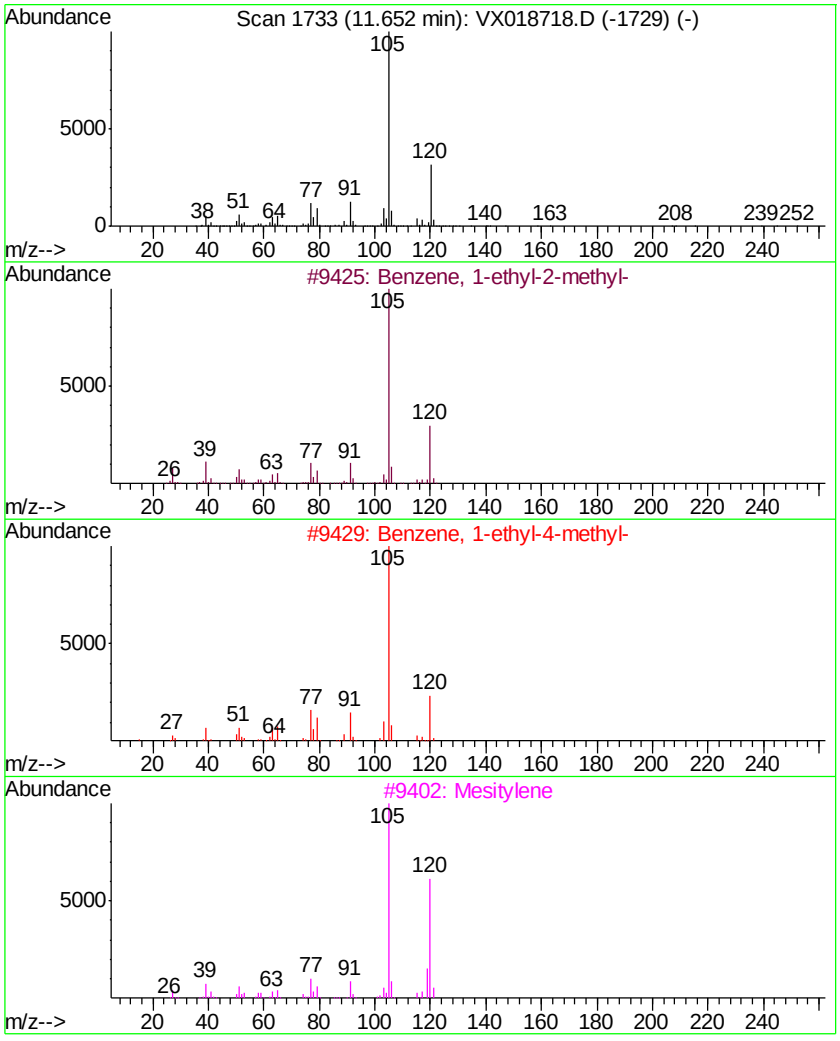
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

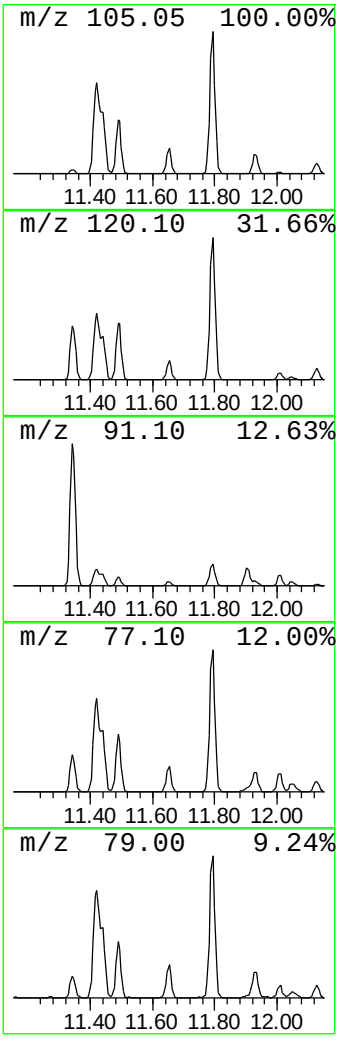
****

Peak Number 17 Benzene, 1-ethyl-4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	4.11 ug/L	904470	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-4-methyl-	120	C9H12	000622-96-8	93
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

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

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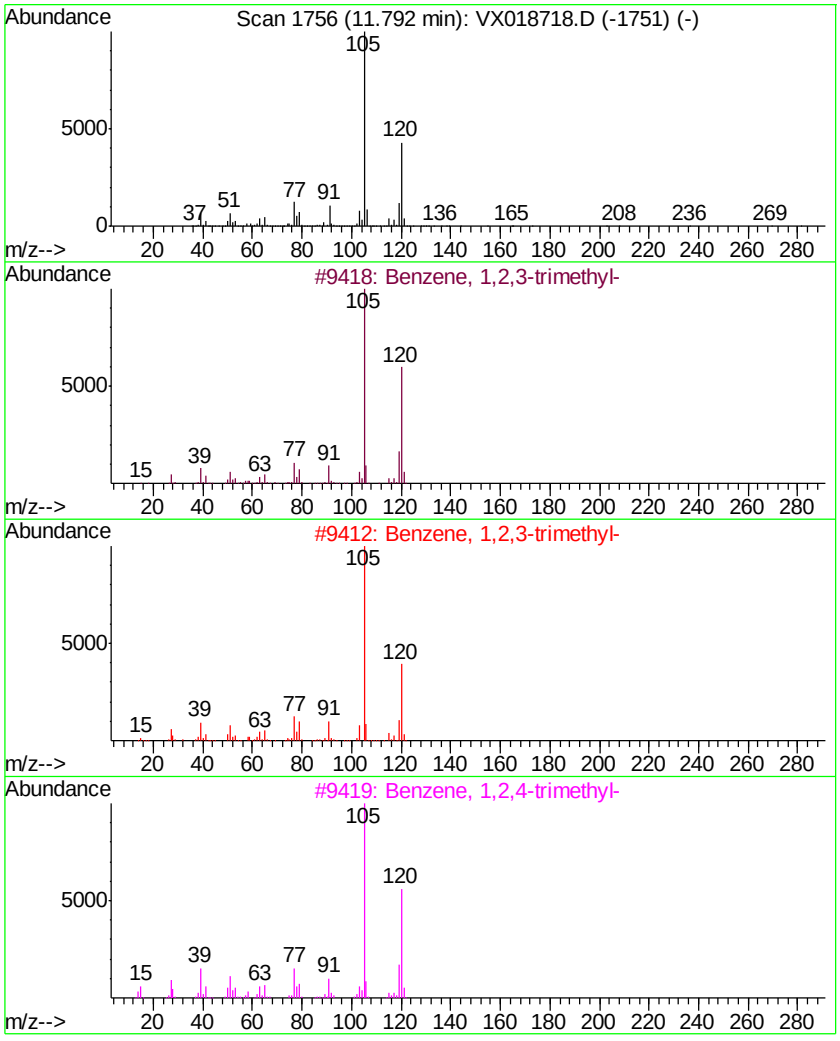
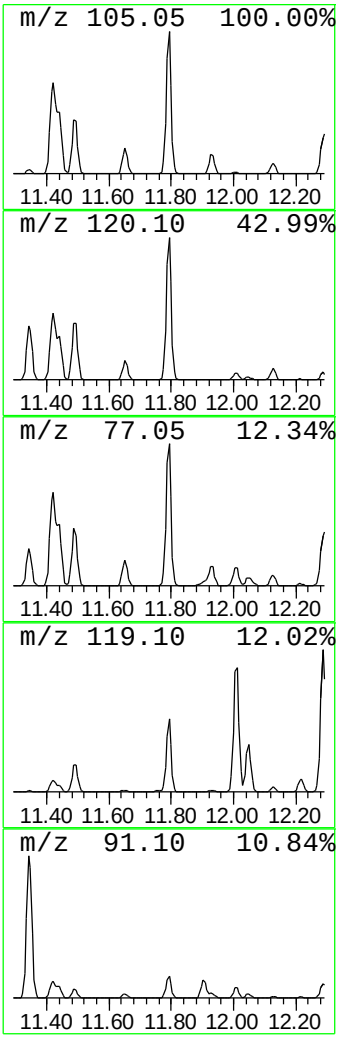
Peak Number 18 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	24.16 ug/L	5315490	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	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Mesitylene	120	C9H12	000108-67-8	93
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

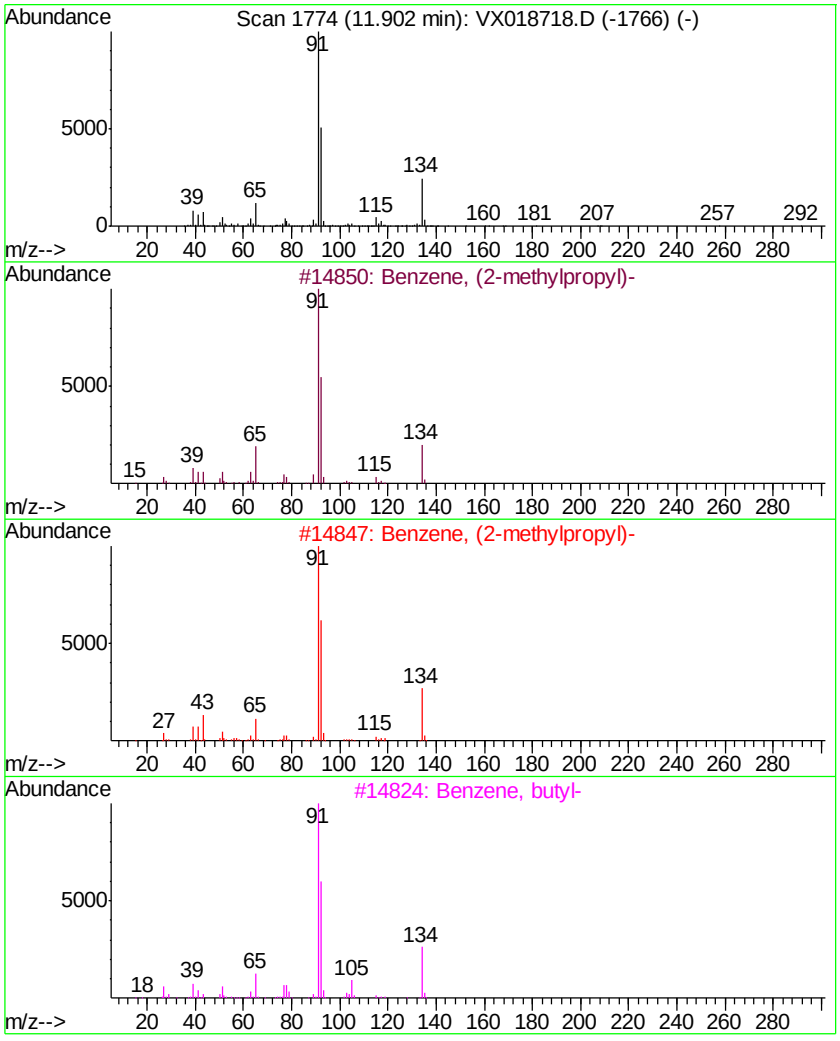
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

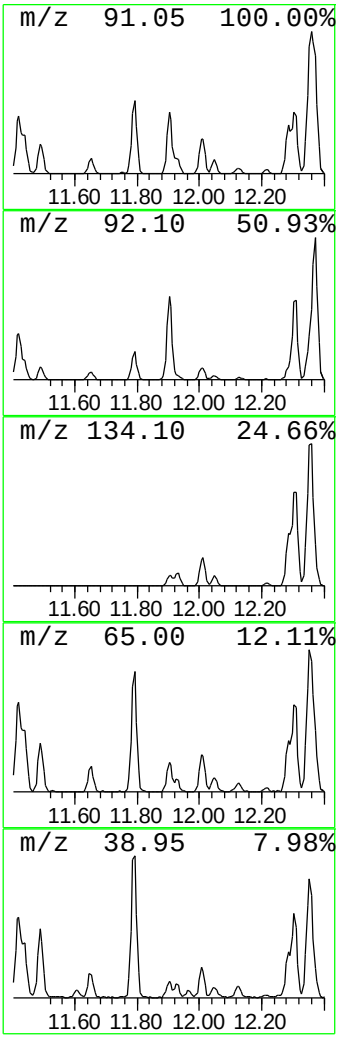
****

Peak Number 19 Benzene, (2-methylpropyl)- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.46 ug/L	541678	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	87
3	Benzene, butyl-	134	C10H14	000104-51-8	72
4	Benzene, butyl-	134	C10H14	000104-51-8	56
5	Phenylethyl Alcohol	122	C8H10O	000060-12-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

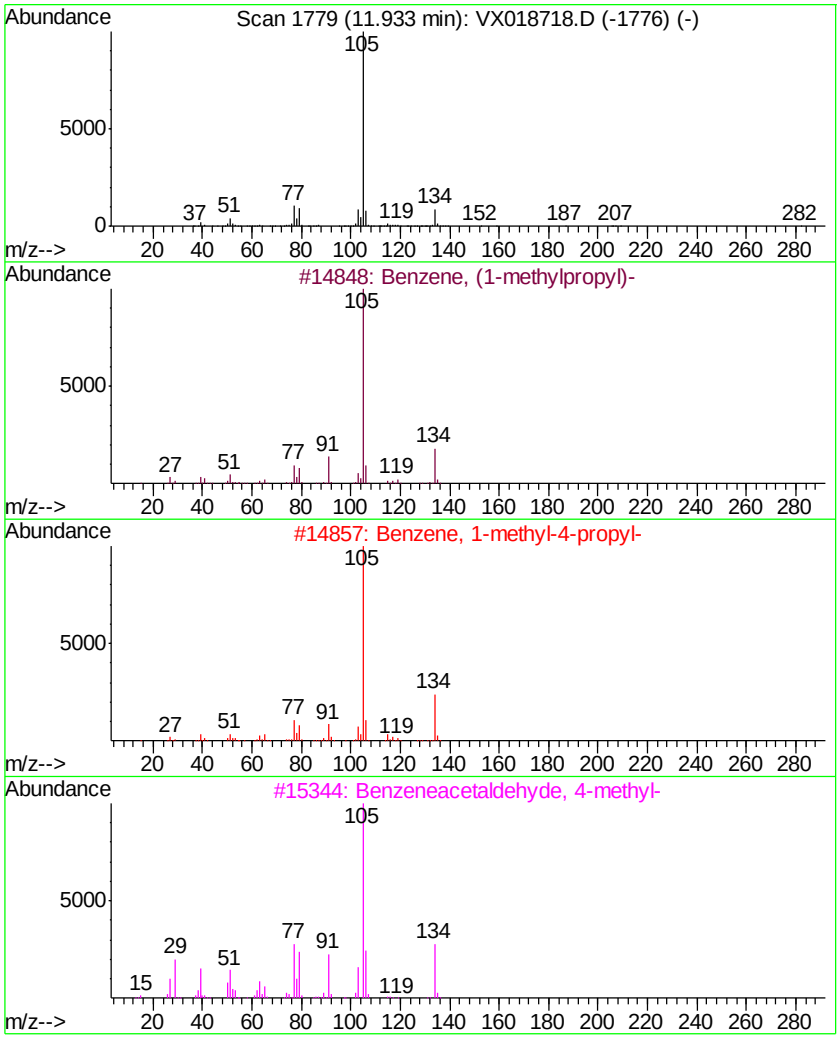
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

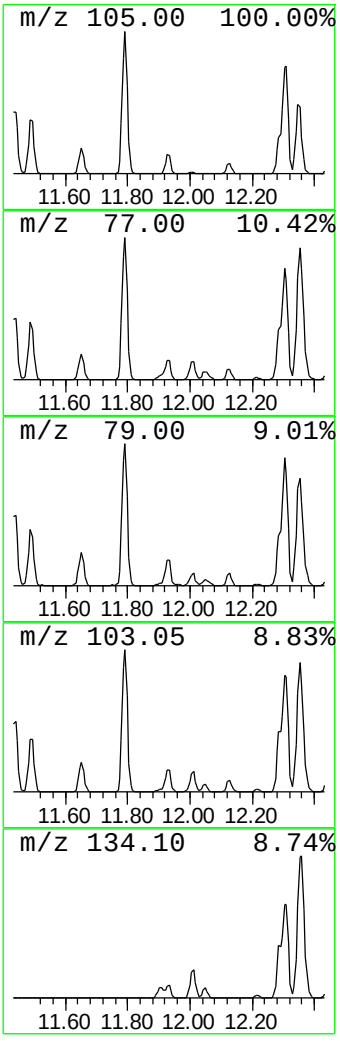
****

Peak Number 20 Benzene, (1-methylpropyl)- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.90 ug/L	637980	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	83
3	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	80
4	2-Tolyloxirane	134	C9H10O	002783-26-8	78
5	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

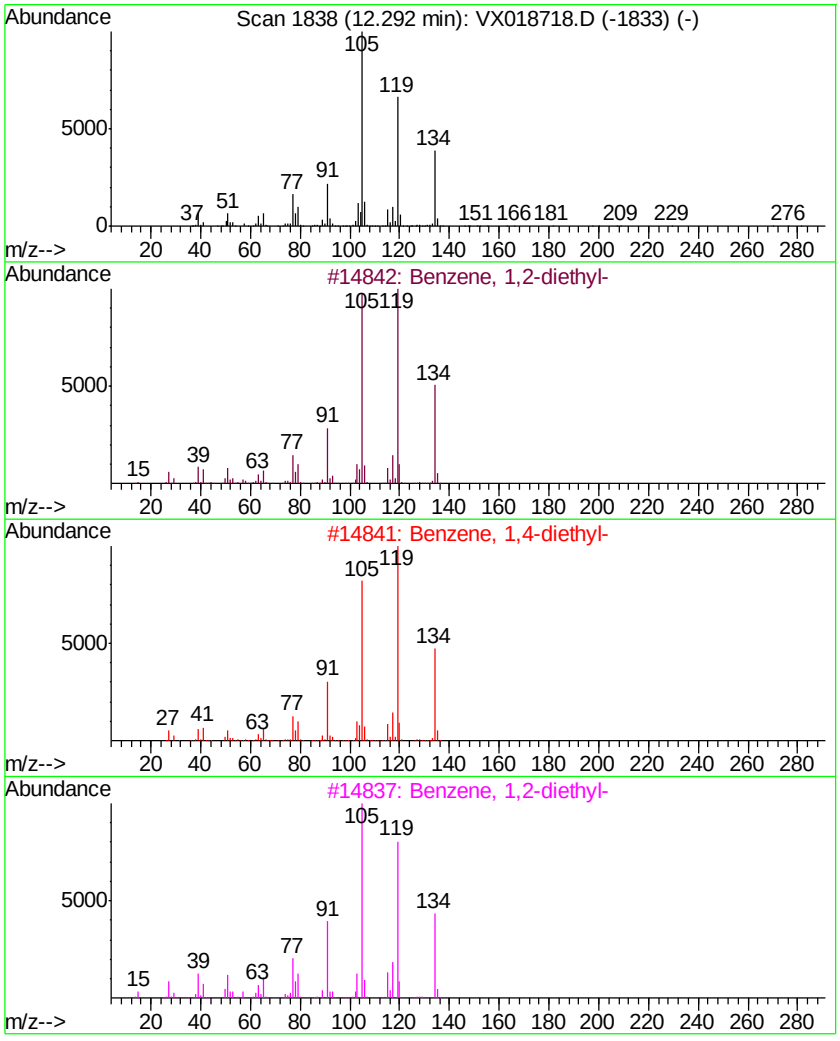
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

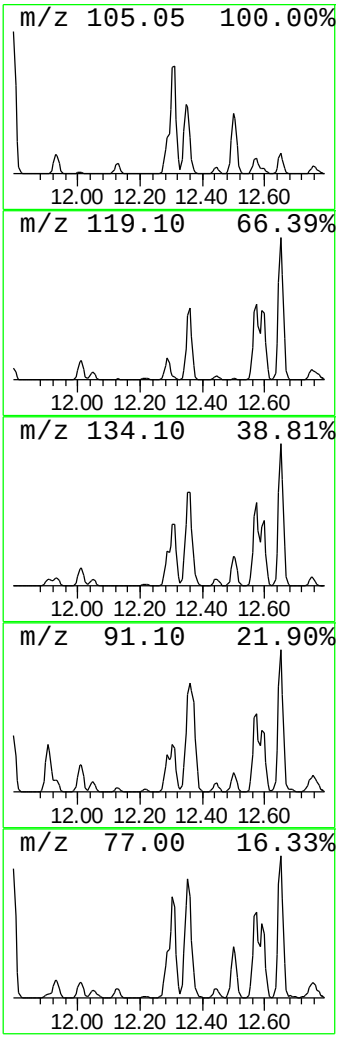
****

Peak Number 21 Benzene, 1,2-diethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	9.15 ug/L	2013790	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, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

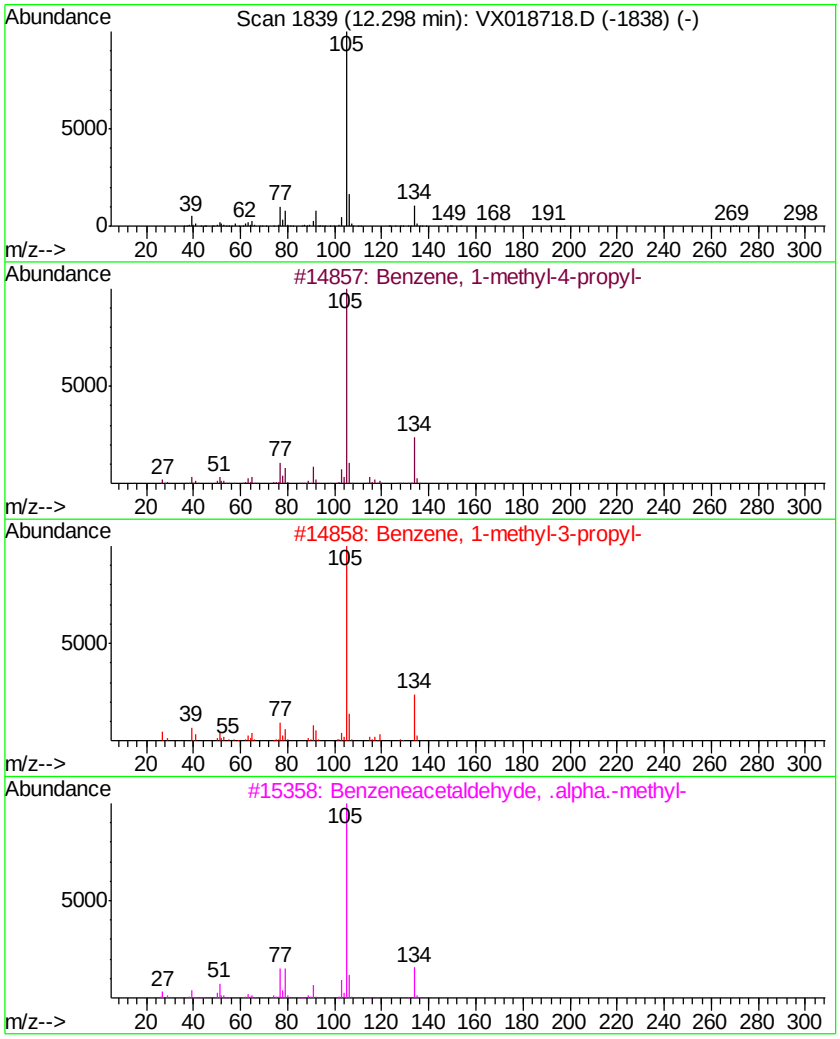
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

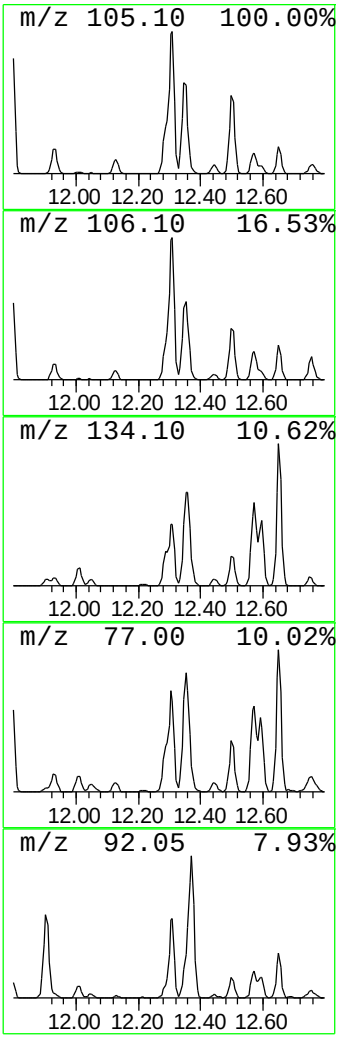
****

Peak Number 22 Benzene, 1-methyl-4-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	16.67 ug/L	3667680	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	90
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

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

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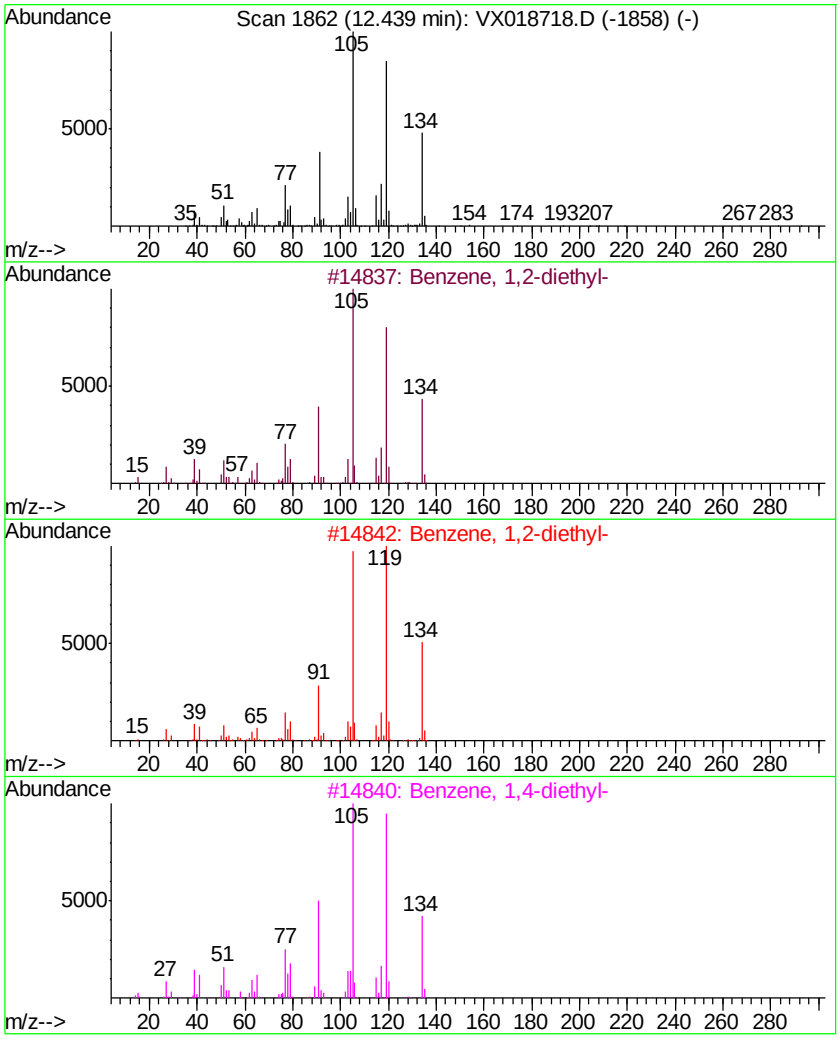
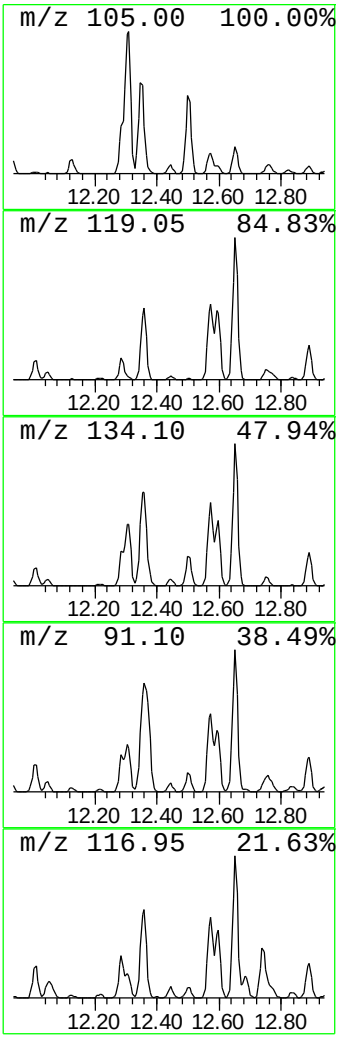
Peak Number 23 Benzene, 1,4-diethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	2.02 ug/L	445141	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	93
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

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

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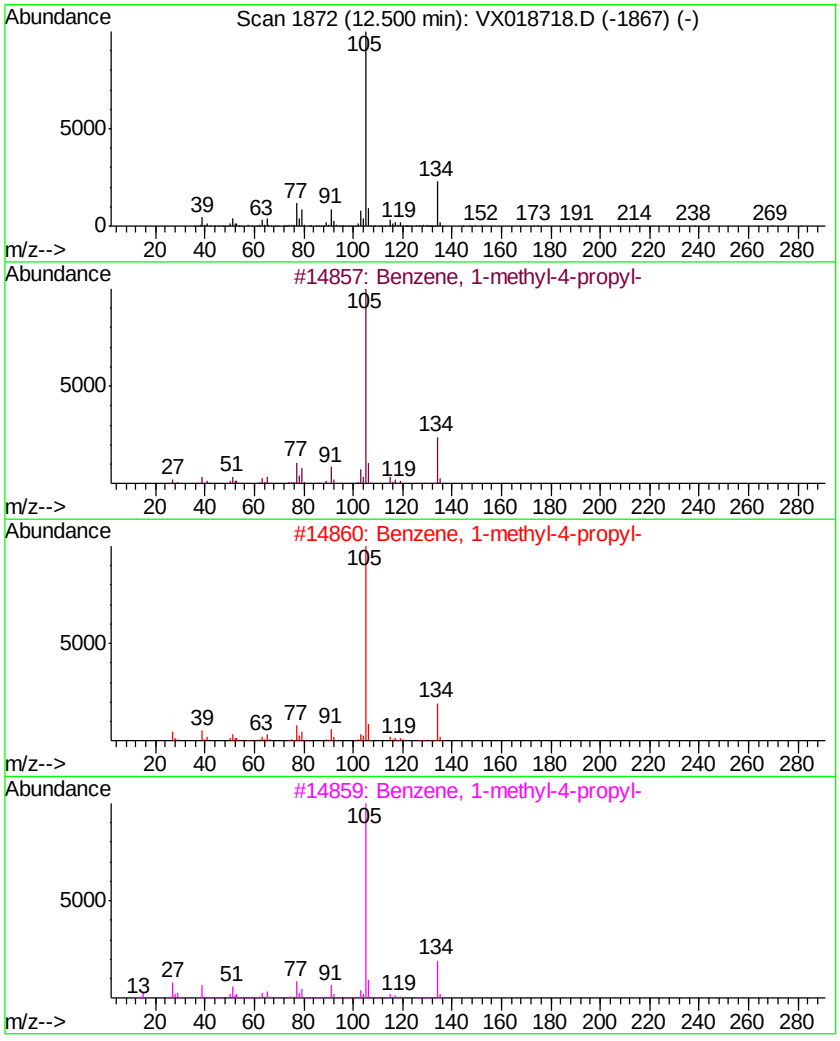
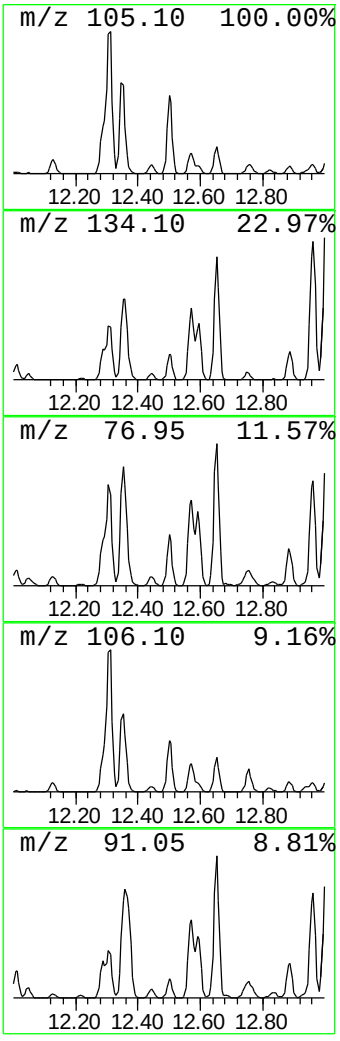
Peak Number 24 Benzene, 1-methyl-2-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	8.48 ug/L	1865320	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-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

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

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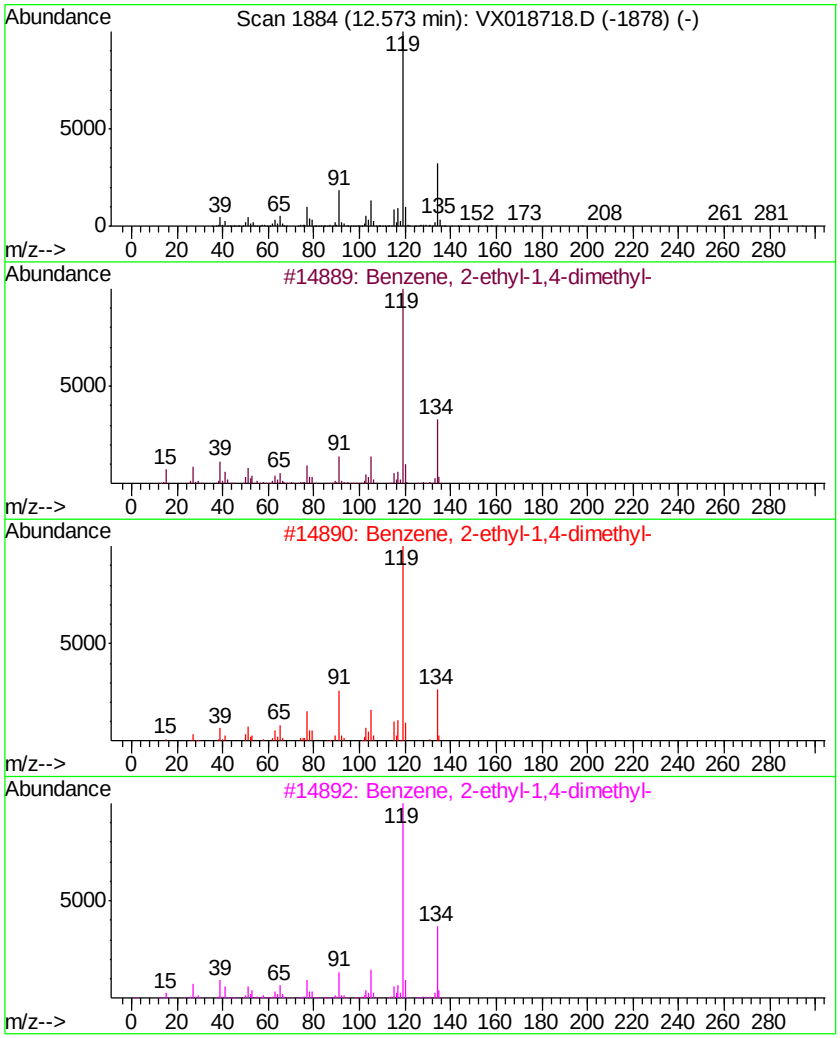
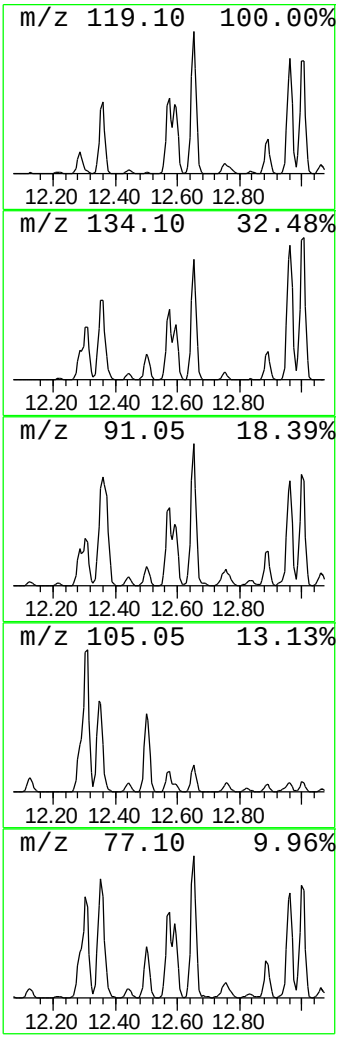
Peak Number 25 Benzene, 1-methyl-3-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	23.47 ug/L	5163000	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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

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

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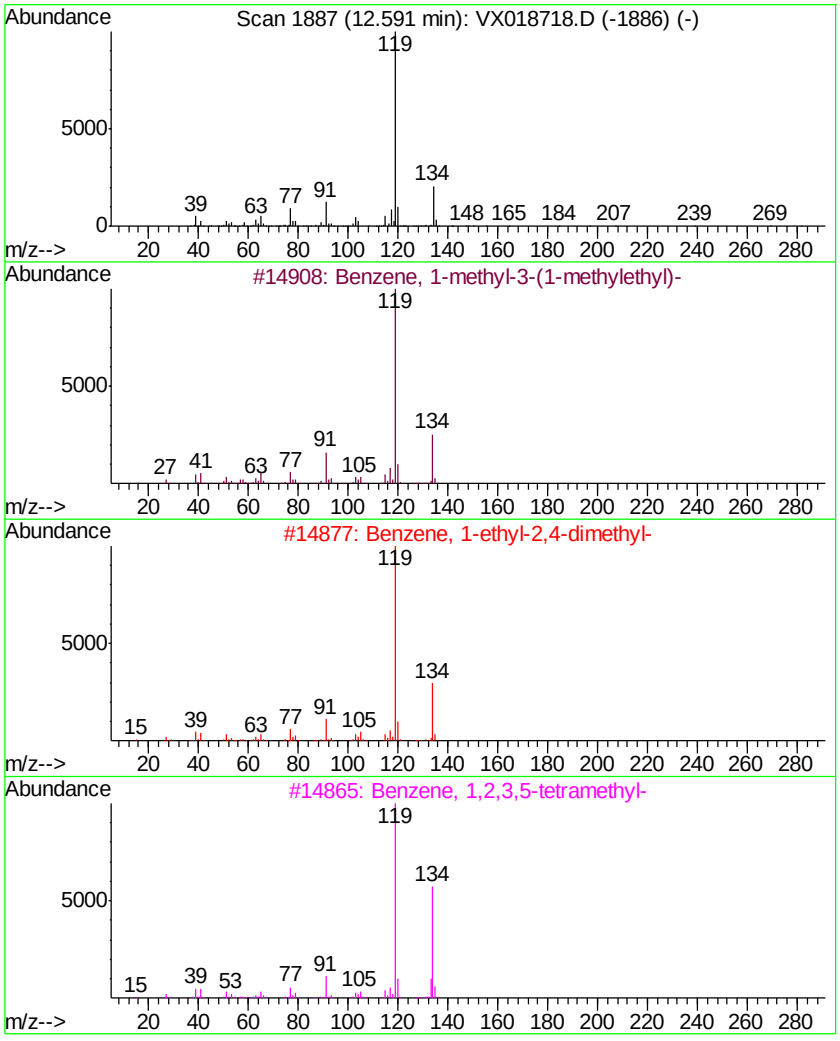
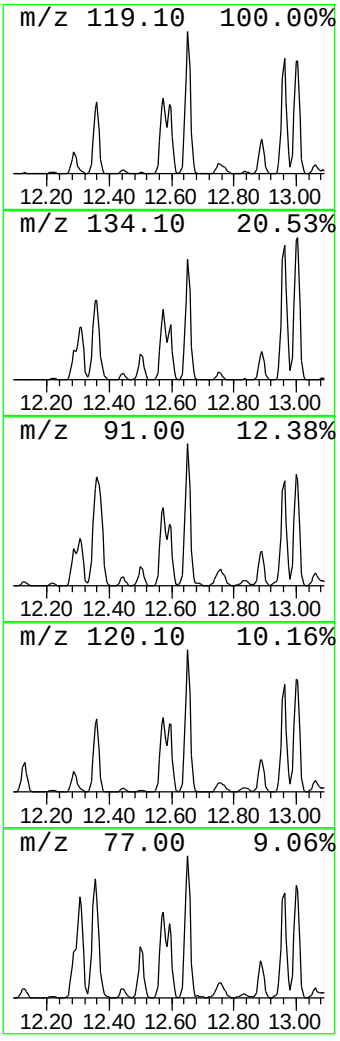
Peak Number 26 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	13.28 ug/L	2921200	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	94
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

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

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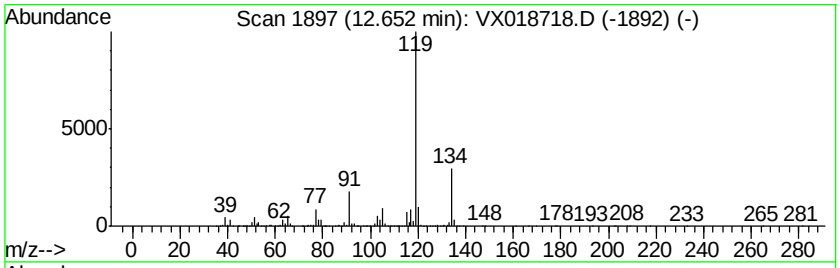
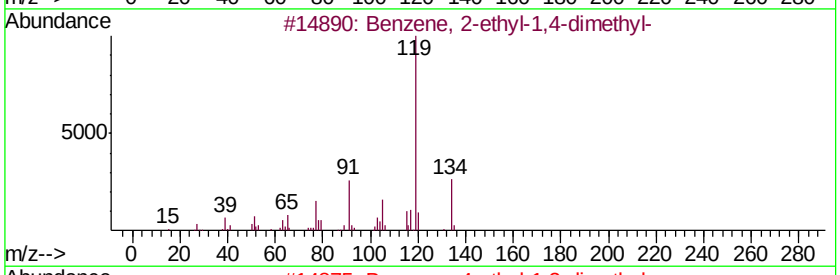
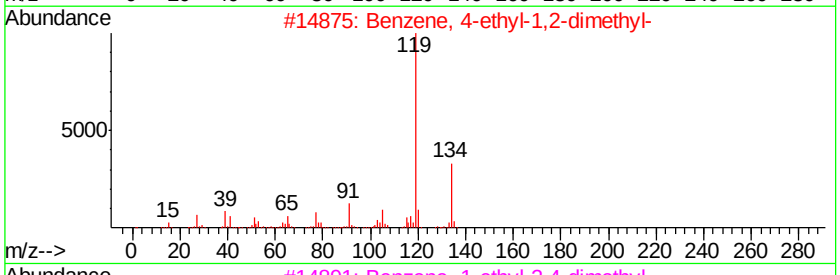
Peak Number 27 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 3

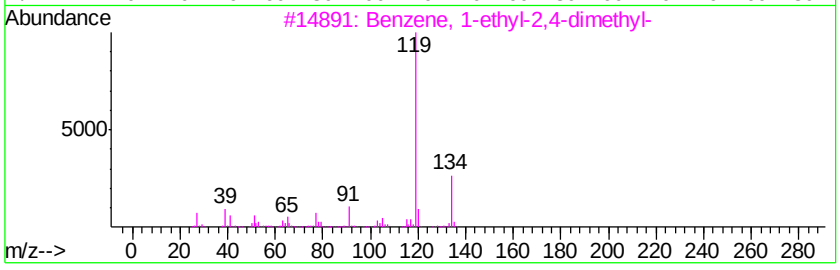
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	34.09 ug/L	7499860	1,4-Dichlorobenzene-d4	12.06

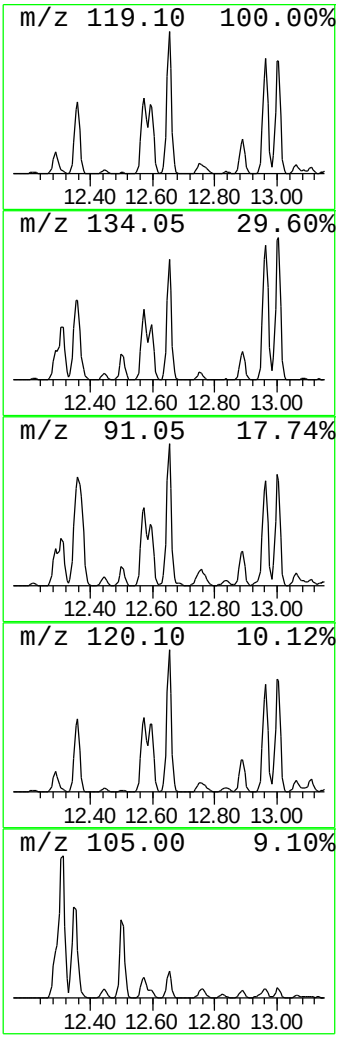
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	o-Cymene	134	C10H14	000527-84-4	95











Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

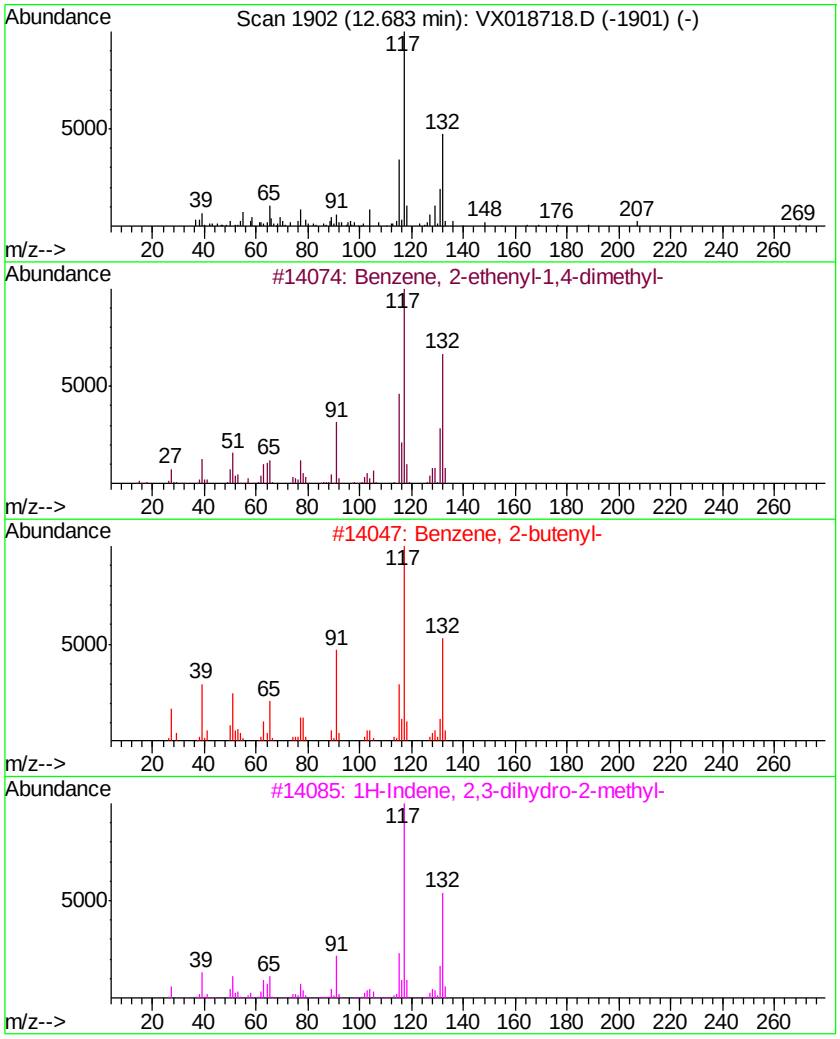
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

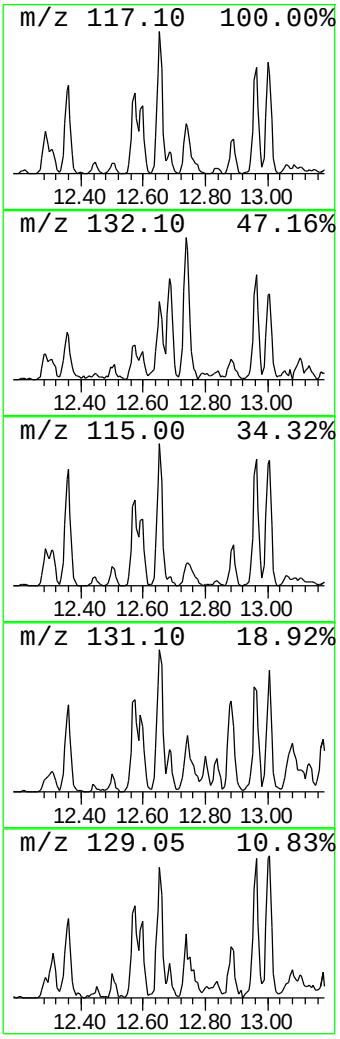
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, 1-methyl-4-(2-prop... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	0.59 ug/L	130205	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	86
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

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

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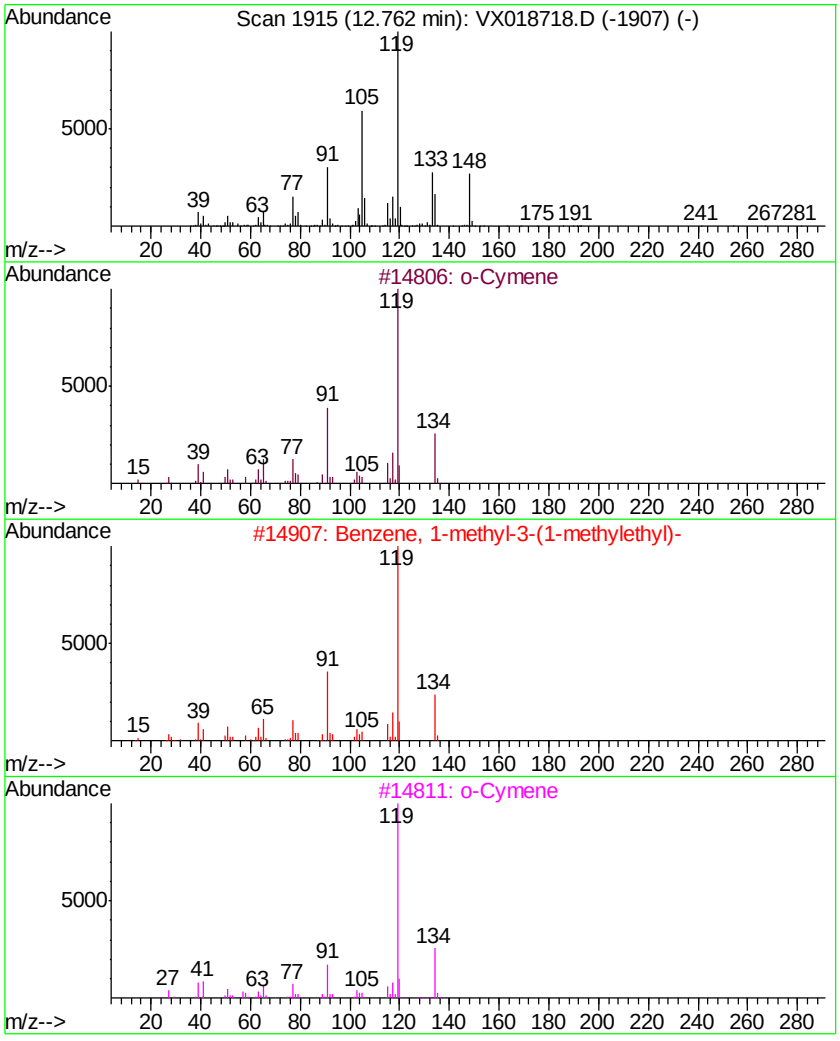
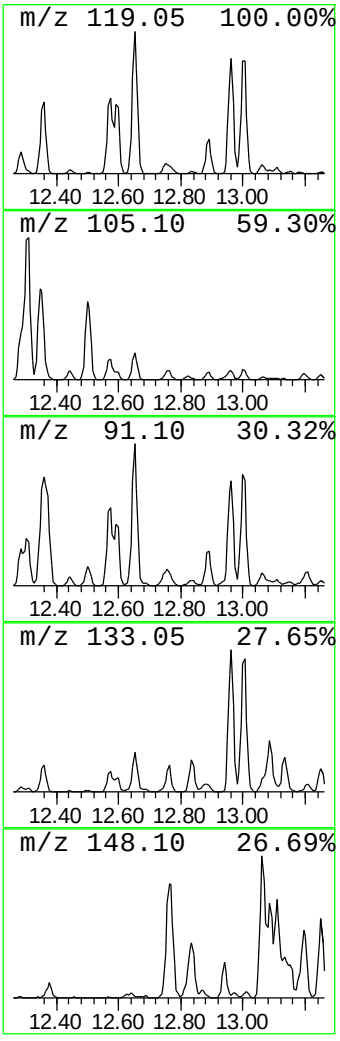
Peak Number 29 o-Cymene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	6.41 ug/L	1410680	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	90
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
3	o-Cymene	134	C10H14	000527-84-4	81
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81
5	p-Cymene	134	C10H14	000099-87-6	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

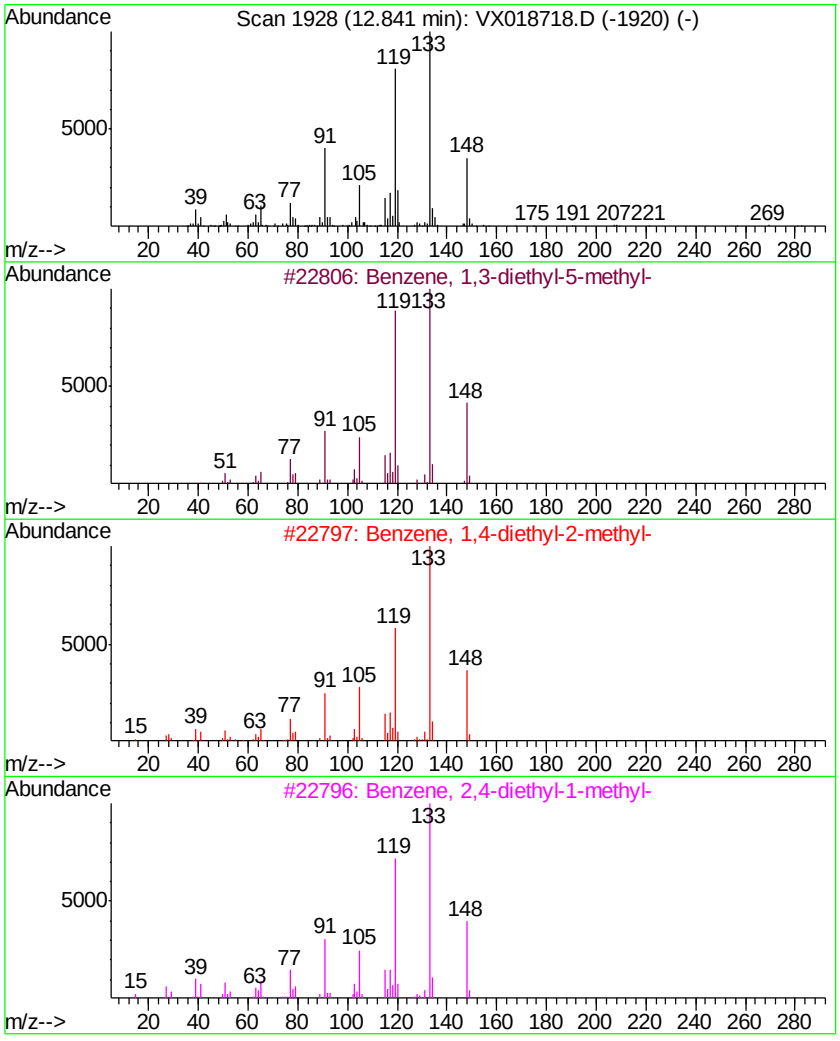
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

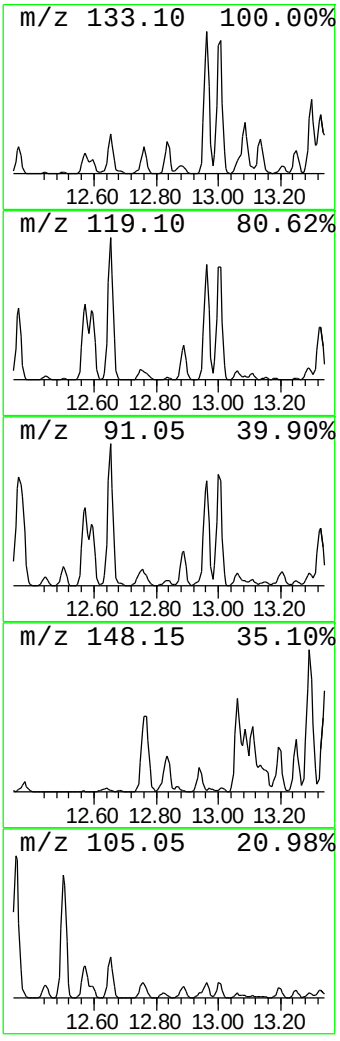
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	1.45 ug/L	319236	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	96
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	94
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	94
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	93
5	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

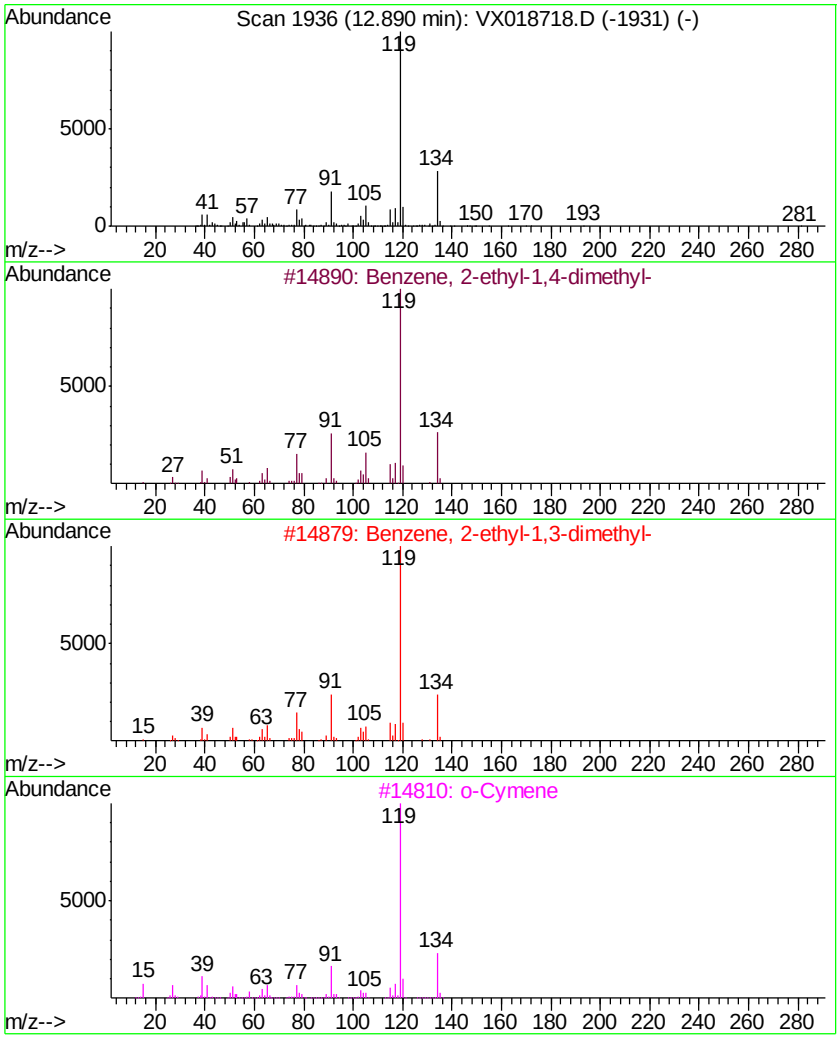
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

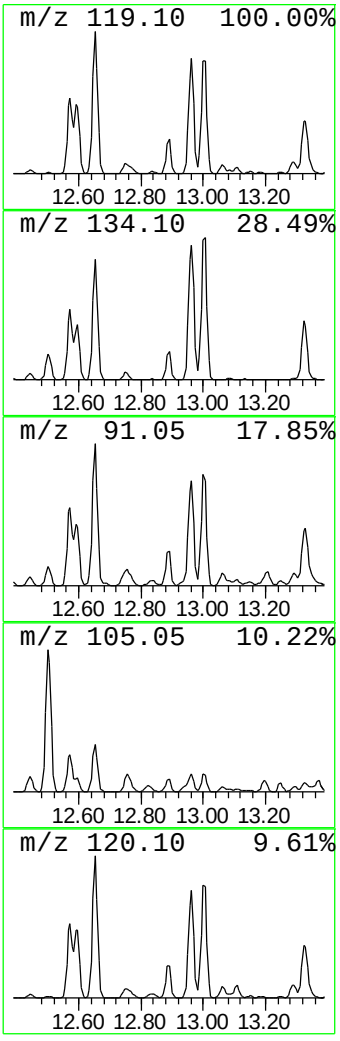
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	9.71 ug/L	2137080	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-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

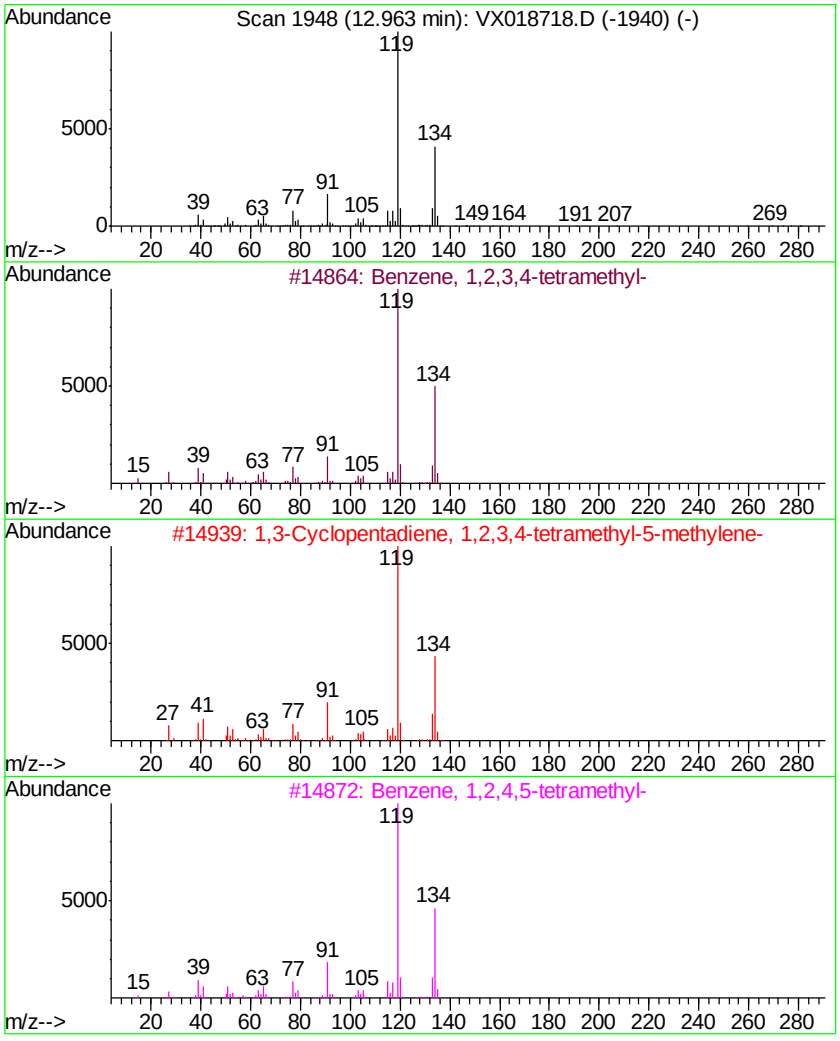
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

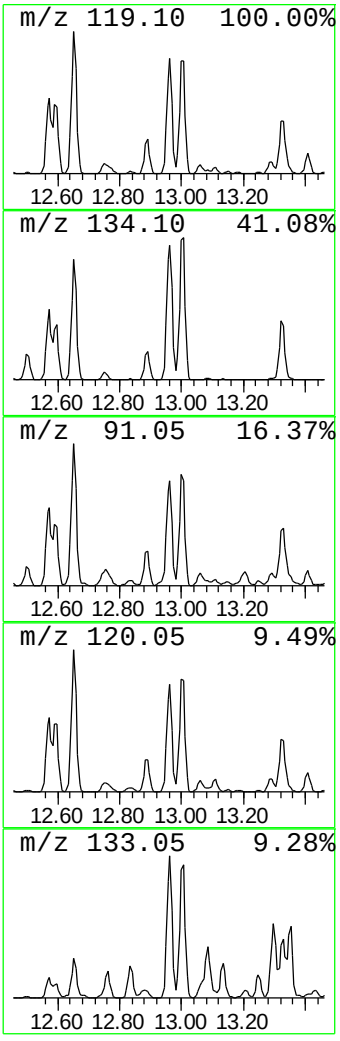
****

Peak Number 32 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	30.86 ug/L	6788150	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	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

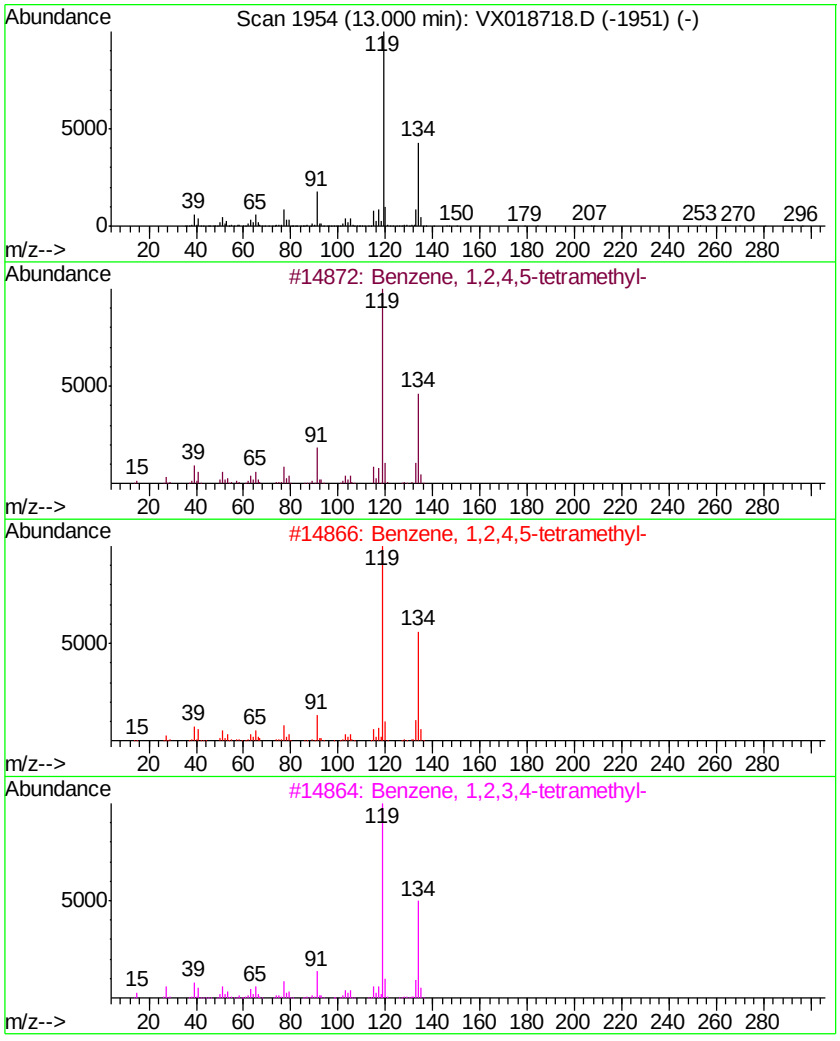
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

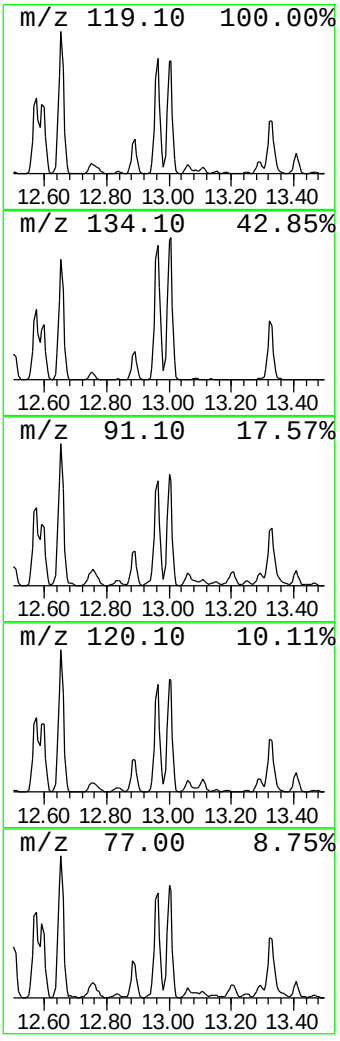
****

Peak Number 33 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	31.41 ug/L	6909100	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\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

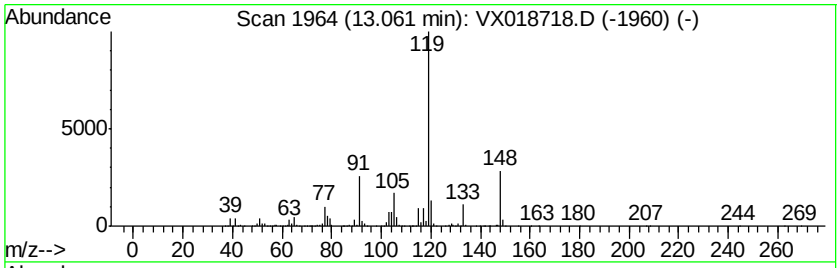
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

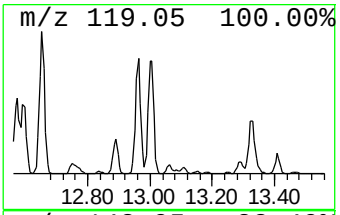
****

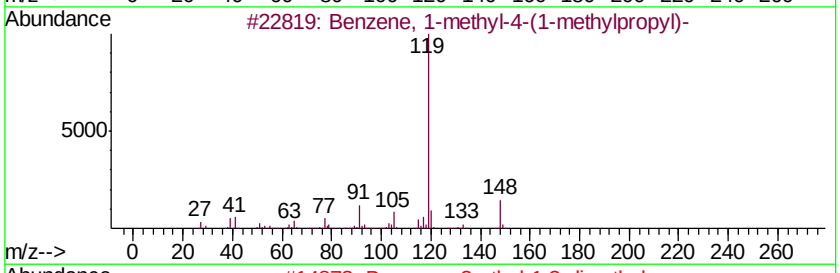
Peak Number 34 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 28

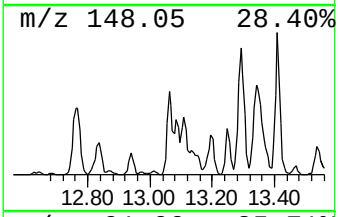
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.51 ug/L	551215	1,4-Dichlorobenzene-d4	12.06

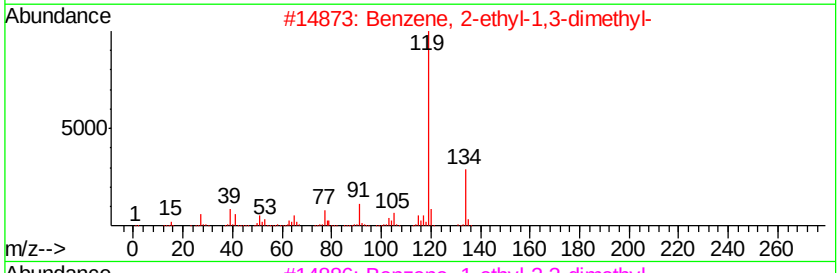
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	72
4	p-Cymene	134	C10H14	000099-87-6	70
5	o-Cymene	134	C10H14	000527-84-4	70

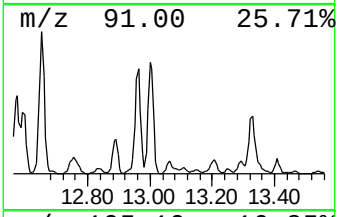


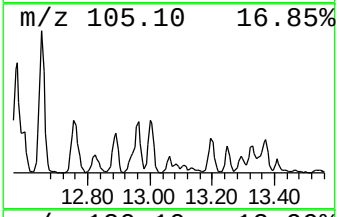


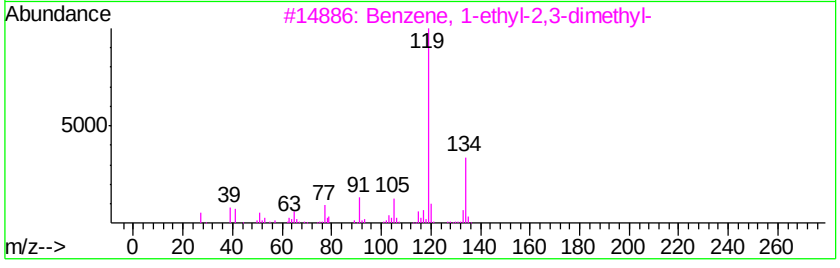


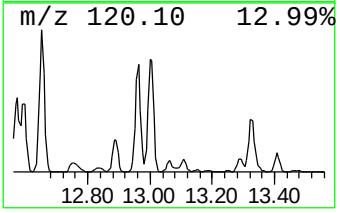












Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

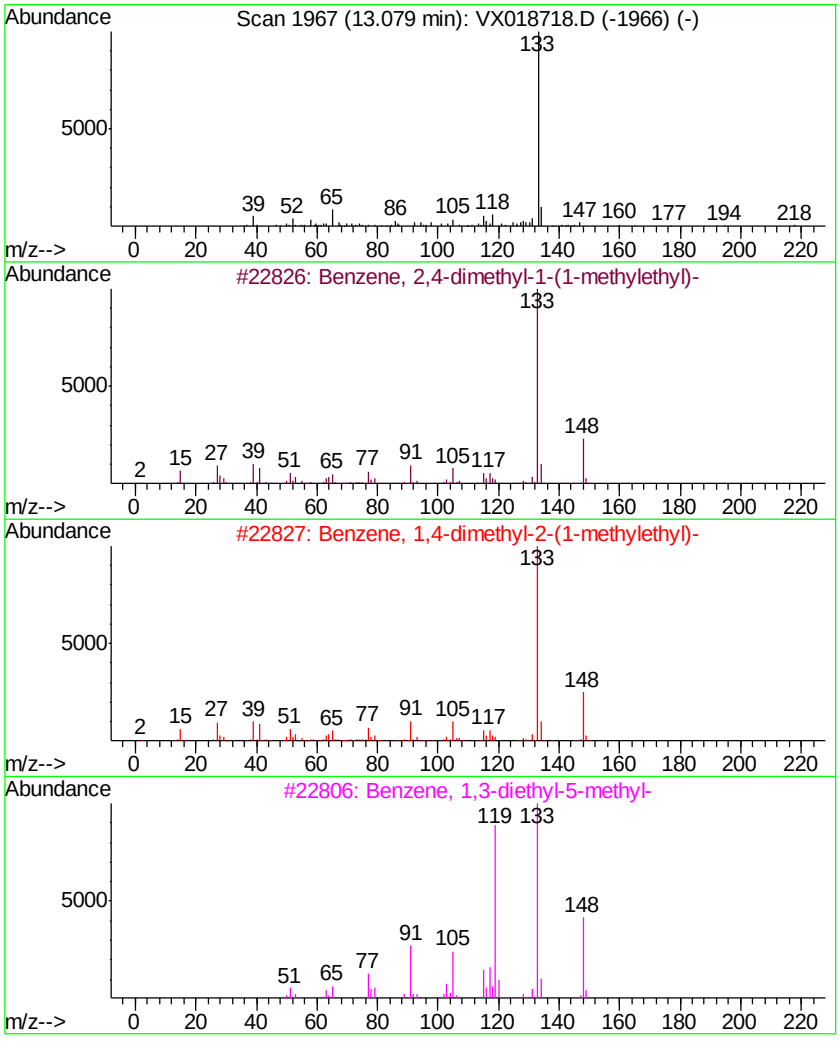
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

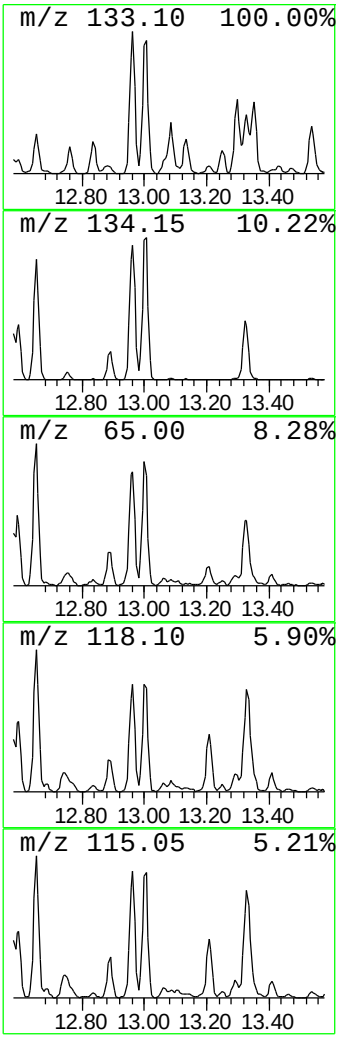
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	0.99 ug/L	217213	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	72
2	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	46
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	38
4	2-Bromomethyl-1,3,5-trimethylben...	212	C10H13Br	004761-00-6	38
5	Benzenepropanoic acid, .beta.,2,...	206	C13H18O2	056298-76-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

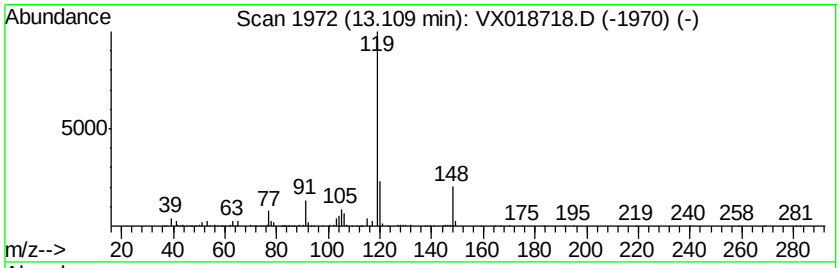
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0

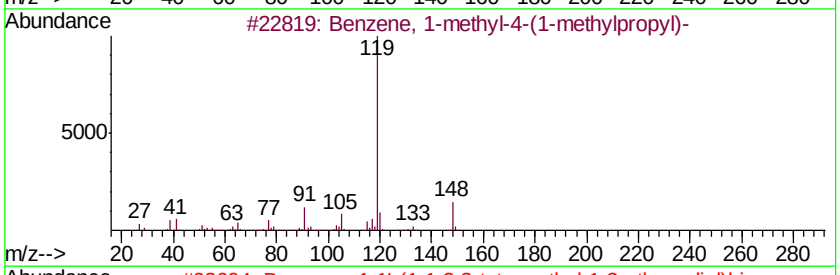
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

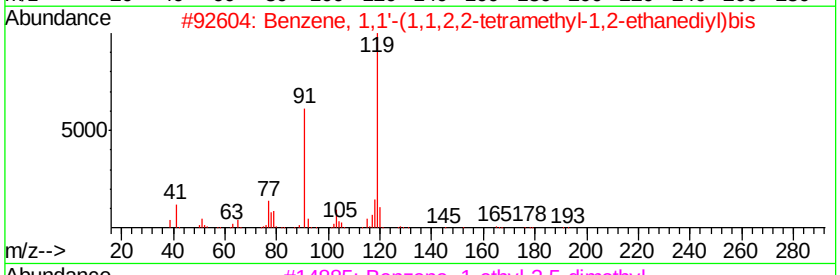
****
Peak Number 36 Benzene, 1-methyl-4-(1-meth... Concentration Rank 48

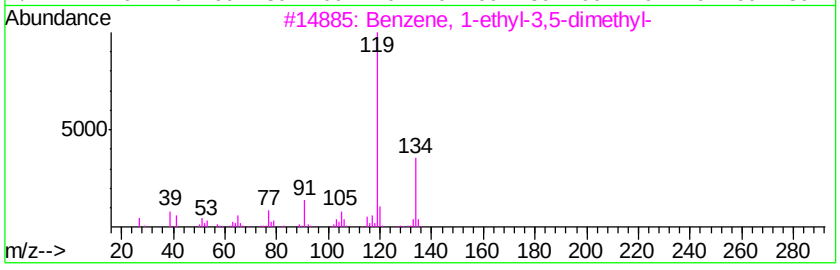
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	0.79 ug/L	172999	1,4-Dichlorobenzene-d4	12.06

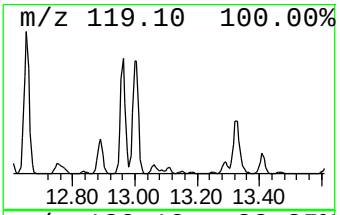
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	72
2	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	42
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	42
4	3-Pyridinecarbonitrile, 1,4-dihy...	120	C7H8N2	019424-15-8	42
5	o-Cymene	134	C10H14	000527-84-4	40

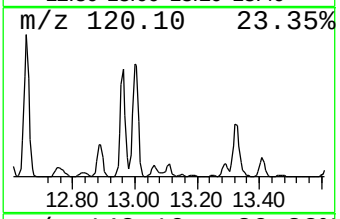


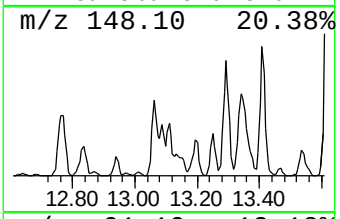


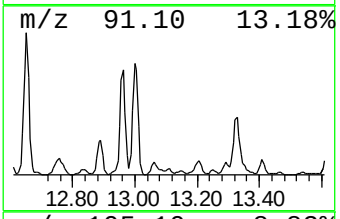


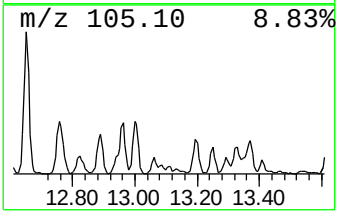












Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

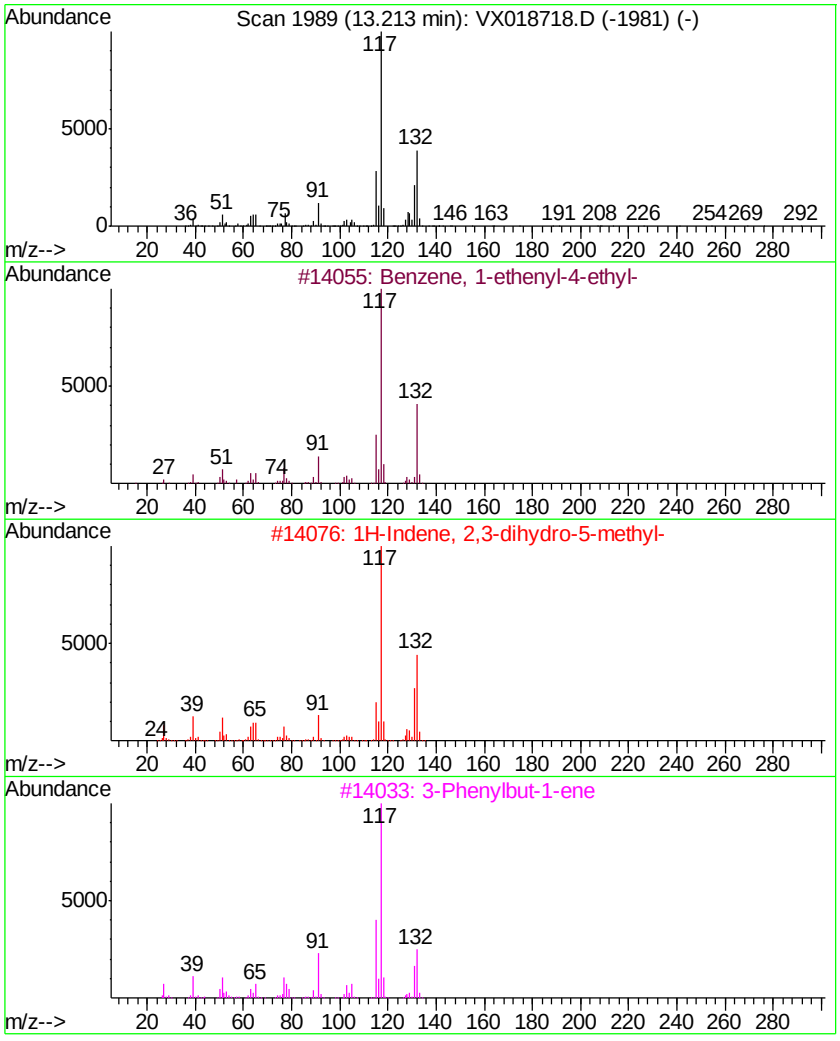
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

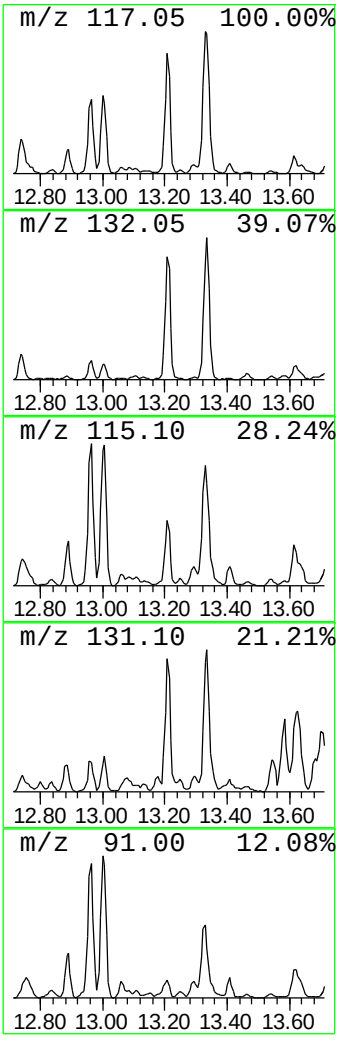
****

Peak Number 37 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	5.50 ug/L	1211000	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	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

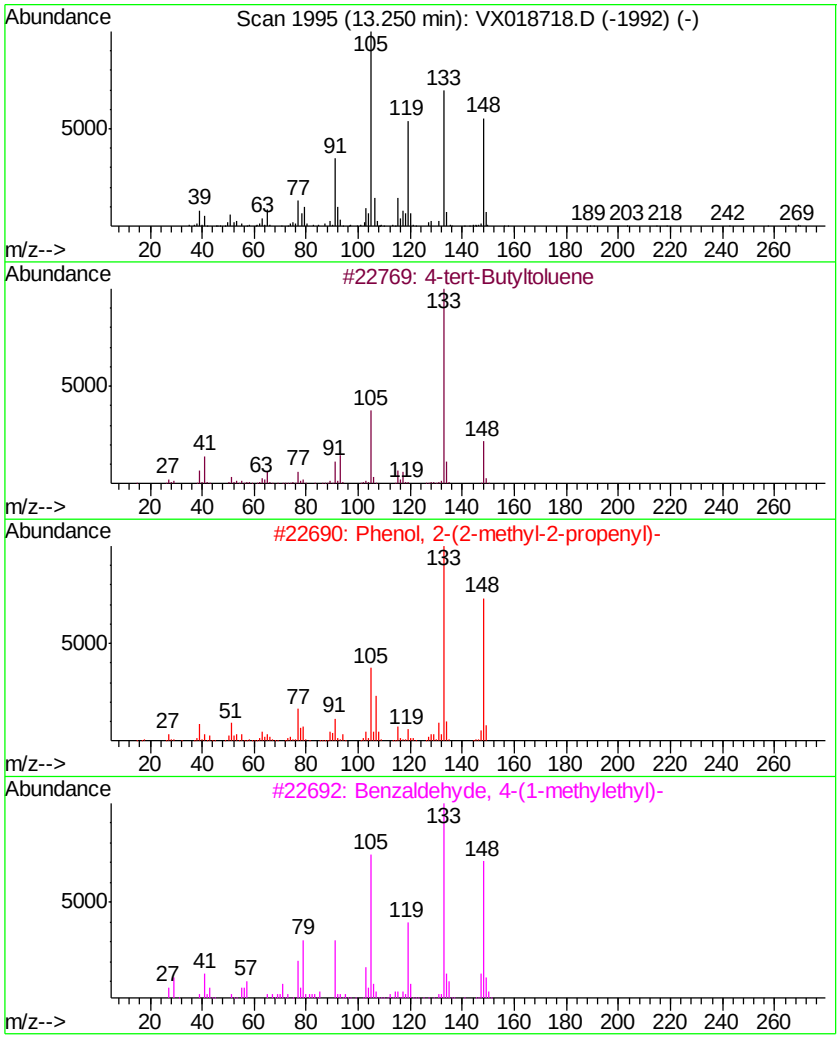
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

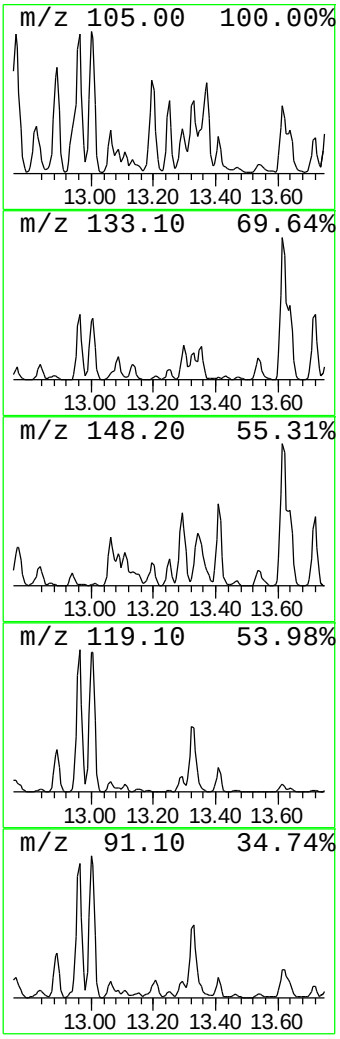
****

Peak Number 38 4-tert-Butyltoluene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	1.03 ug/L	226708	1,4-Dichlorobenzene-d4	12.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-tert-Butyltoluene	148	C11H16	000098-51-1	76
2	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	62
3	Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	62
4	1-(2,3-Dimethylphenyl)ethanone	148	C10H12O	002142-71-4	60
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093020\
Data File : VX018718.D
Acq On : 30 Sep 2020 23:39
Operator : JC/SP
Sample : L4171-12
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : BG3T9

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Acetaldehyde	1.48	1.6	ug/L	163755	1	6.83	509220	5.0
(DEL) Alkane: Str...	2.83	2.7	ug/L	271653	1	6.83	509220	5.0
(DEL) Alkane: Str...	2.87	27.0	ug/L	2752780	1	6.83	509220	5.0
(DEL) Alkane: Str...	3.15	61.8	ug/L	6297710	1	6.83	509220	5.0
Propanal, 2-methyl-	3.39	1.2	ug/L	119061	1	6.83	509220	5.0
(DEL) Alkane: Str...	3.50	100.8	ug/L	10261900	1	6.83	509220	5.0
(DEL) Alkane: Str...	4.12	6.6	ug/L	669148	1	6.83	509220	5.0
(DEL) Alkane: Str...	4.29	6.1	ug/L	619822	1	6.83	509220	5.0
(DEL) Alkane: Cyc...	4.38	1.7	ug/L	175004	1	6.83	509220	5.0
Hexanal	9.56	2.1	ug/L	252066	2	10.10	612599	5.0
Heptanal	10.90	1.1	ug/L	129626	2	10.10	612599	5.0
Benzene, propyl-	11.34	13.4	ug/L	2951620	3	12.06	1099940	5.0
Benzene, 1-ethyl-...	11.42	24.0	ug/L	5284540	3	12.06	1099940	5.0
Mesitylene	11.49	10.2	ug/L	2252950	3	12.06	1099940	5.0
4-Heptanone, 2,6-...	11.61	0.7	ug/L	154681	3	12.06	1099940	5.0
Benzene, 1-ethyl-...	11.65	4.1	ug/L	904470	3	12.06	1099940	5.0
Benzene, 1,2,3-tr...	11.79	24.2	ug/L	5315490	3	12.06	1099940	5.0
Benzene, (2-methy...	11.90	2.5	ug/L	541678	3	12.06	1099940	5.0
Benzene, (1-methy...	11.93	2.9	ug/L	637980	3	12.06	1099940	5.0
Benzene, 1,2-diet...	12.29	9.2	ug/L	2013790	3	12.06	1099940	5.0
Benzene, 1-methyl...	12.30	16.7	ug/L	3667680	3	12.06	1099940	5.0
Benzene, 1,4-diet...	12.44	2.0	ug/L	445141	3	12.06	1099940	5.0
Benzene, 1-methyl...	12.50	8.5	ug/L	1865320	3	12.06	1099940	5.0
Benzene, 1-methyl...	12.57	23.5	ug/L	5163000	3	12.06	1099940	5.0
Benzene, 1-ethyl-...	12.59	13.3	ug/L	2921200	3	12.06	1099940	5.0
Benzene, 2-ethyl-...	12.65	34.1	ug/L	7499860	3	12.06	1099940	5.0
Benzene, 1-methyl...	12.68	0.6	ug/L	130205	3	12.06	1099940	5.0
o-Cymene	12.76	6.4	ug/L	1410680	3	12.06	1099940	5.0
Benzene, 1,3-diet...	12.84	1.5	ug/L	319236	3	12.06	1099940	5.0
Benzene, 4-ethyl-...	12.89	9.7	ug/L	2137080	3	12.06	1099940	5.0
Benzene, 1,2,3,4-...	12.96	30.9	ug/L	6788150	3	12.06	1099940	5.0
Benzene, 1,2,4,5-...	13.00	31.4	ug/L	6909100	3	12.06	1099940	5.0
Benzene, 1-ethyl-...	13.06	2.5	ug/L	551215	3	12.06	1099940	5.0
Benzene, 2,4-dime...	13.08	1.0	ug/L	217213	3	12.06	1099940	5.0
Benzene, 1-methyl...	13.11	0.8	ug/L	172999	3	12.06	1099940	5.0
Benzene, 1-etheny...	13.21	5.5	ug/L	1211000	3	12.06	1099940	5.0
4-tert-Butyltoluene	13.25	1.0	ug/L	226708	3	12.06	1099940	5.0