

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
 Data File : VX033710.D
 Acq On : 12 Jan 2023 14:43
 Operator : JC/MD
 Sample : 01130-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 230111061-02-VOA

Integration Parameters: RTEINT3.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

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\624X010723W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VX033710.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.392	206	214	222	rBV	41062	73055	1.79%	0.484%
2	2.666	251	259	275	rVB	15665	45789	1.12%	0.303%
3	2.989	295	312	346	rBV	976278	4084324	100.00%	27.040%
4	4.568	550	571	587	rBV	1030452	3606319	88.30%	23.875%
5	4.891	616	624	631	rBV2	28031	79250	1.94%	0.525%
6	5.001	631	642	665	rVB	615705	1962807	48.06%	12.994%
7	5.952	788	798	805	rBV	34897	92030	2.25%	0.609%
8	6.031	805	811	818	rVV3	16470	44618	1.09%	0.295%
9	6.251	835	847	856	rBV2	25065	89782	2.20%	0.594%
10	6.757	921	930	942	rVB	79117	186434	4.56%	1.234%
11	8.567	1220	1227	1233	rBV3	22199	49444	1.21%	0.327%
12	8.647	1233	1240	1246	rBV	167529	264424	6.47%	1.751%
13	8.714	1246	1251	1259	rVB2	75775	125165	3.06%	0.829%
14	8.799	1259	1265	1270	rBV	56649	90264	2.21%	0.598%
15	9.372	1352	1359	1367	rBV	140632	214072	5.24%	1.417%
16	10.049	1461	1470	1483	rVV	233787	402959	9.87%	2.668%
17	10.207	1490	1496	1505	rVV2	21563	57617	1.41%	0.381%
18	10.299	1506	1511	1518	rVV	130780	191431	4.69%	1.267%
19	10.640	1562	1567	1572	rBV	92977	123073	3.01%	0.815%
20	11.079	1634	1639	1645	rBV	224027	295767	7.24%	1.958%
21	11.311	1672	1677	1682	rVB	30161	46912	1.15%	0.311%
22	11.378	1682	1688	1694	rVB2	28789	45331	1.11%	0.300%
23	11.750	1746	1749	1753	rVB	42240	48118	1.18%	0.319%
24	11.884	1764	1771	1781	rVB2	48585	73574	1.80%	0.487%
25	12.042	1794	1797	1800	rVV	38168	43256	1.06%	0.286%
26	12.097	1800	1806	1811	rVV3	135148	217312	5.32%	1.439%
27	12.244	1824	1830	1835	rBV	38165	59753	1.46%	0.396%
28	12.420	1853	1859	1864	rBV3	22247	42789	1.05%	0.283%
29	12.542	1872	1879	1881	rBV4	21950	49845	1.22%	0.330%
30	12.579	1881	1885	1895	rVB	116305	155844	3.82%	1.032%
31	12.762	1909	1915	1921	rBV	331882	469057	11.48%	3.105%
32	12.908	1931	1939	1944	rBV	518357	725095	17.75%	4.800%
33	12.963	1944	1948	1958	rVB2	80365	141043	3.45%	0.934%
34	13.286	1995	2001	2005	rBV4	29865	49430	1.21%	0.327%
35	13.475	2027	2032	2036	rBV2	123970	186748	4.57%	1.236%
36	13.591	2045	2051	2061	rBV	345276	553181	13.54%	3.662%

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Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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\624X010723W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

37	13.774	2077	2081	2088	rVB	55925	75355	1.84%	0.499%
38	13.920	2100	2105	2113	rBV6	19710	43717	1.07%	0.289%

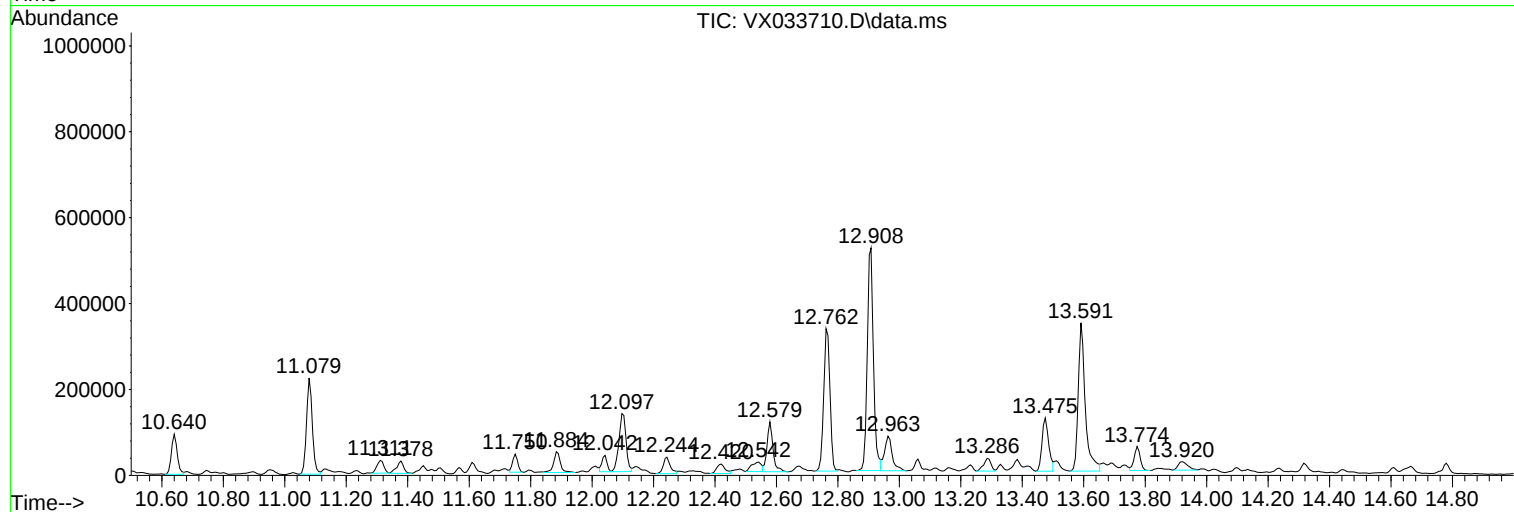
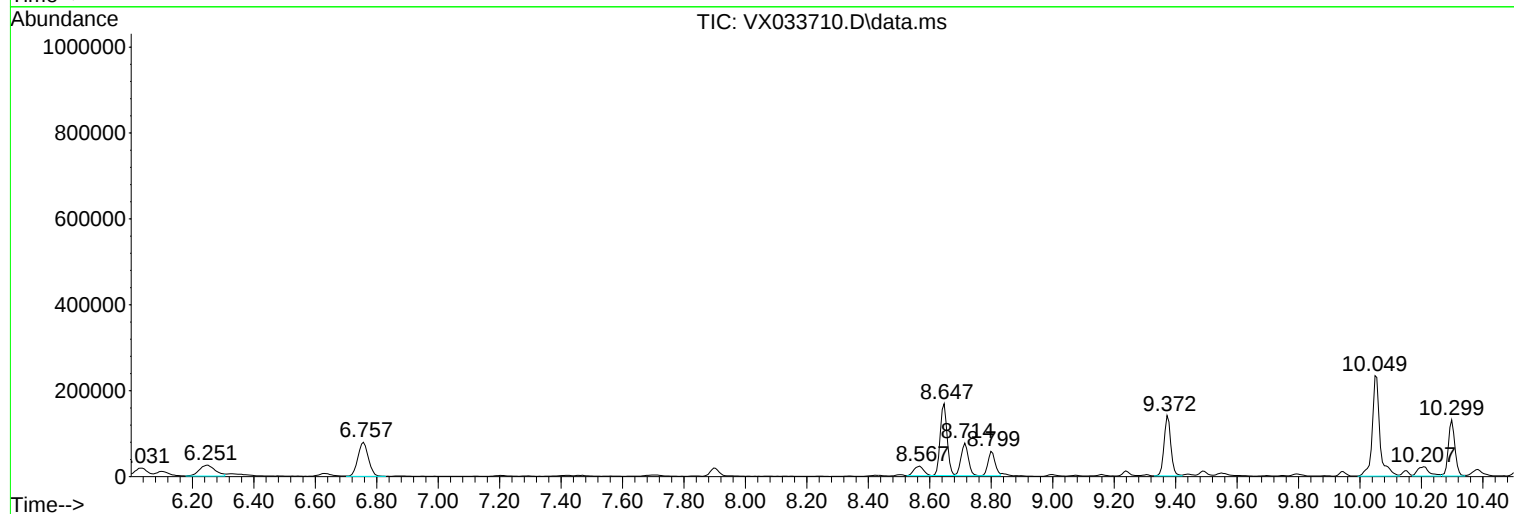
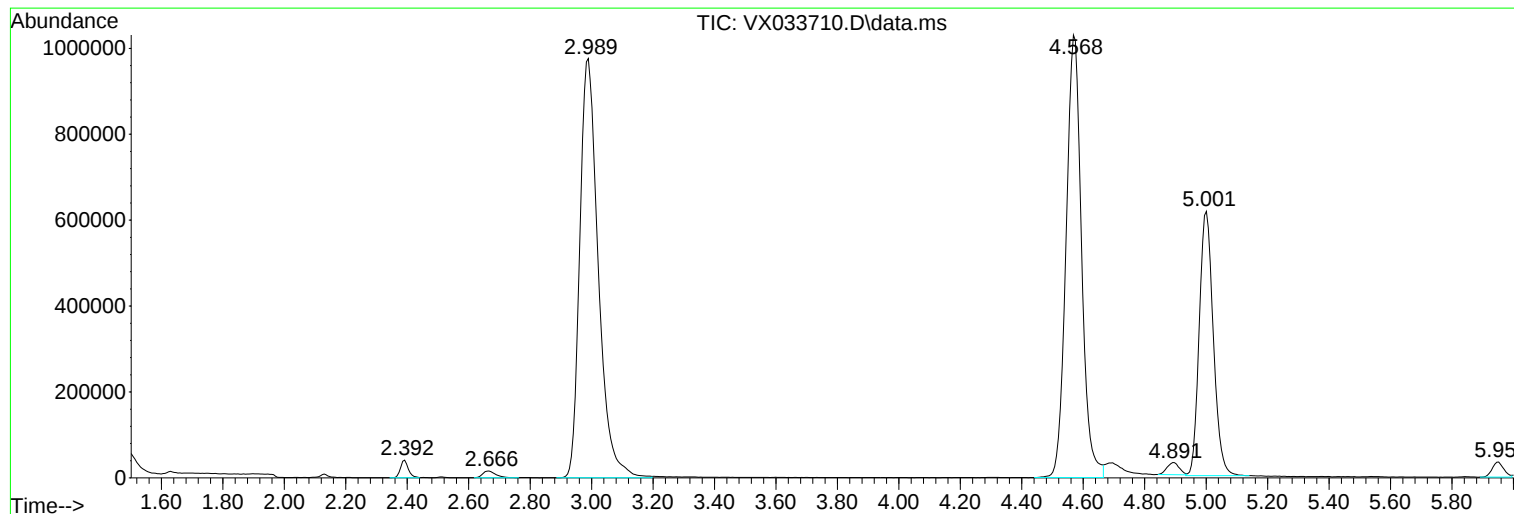
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Instrument :
MSVOA_X
ClientSampleId :
230111061-02-VOA

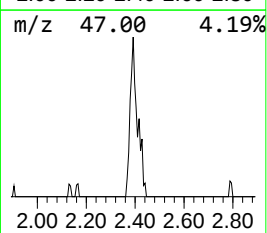
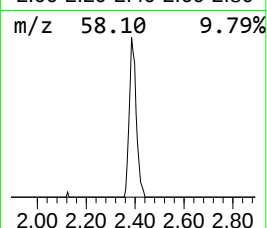
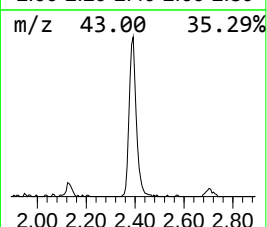
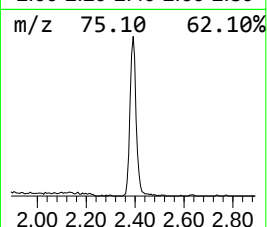
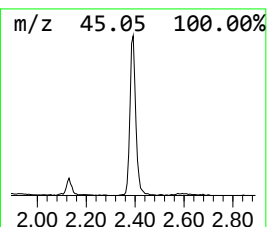
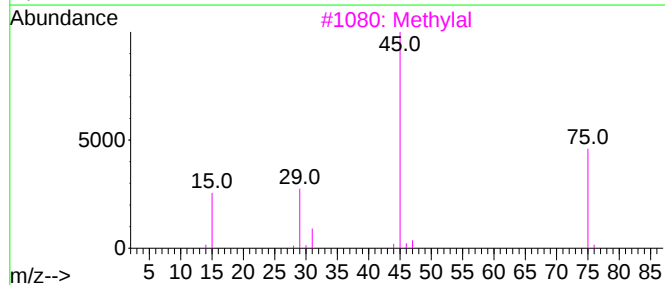
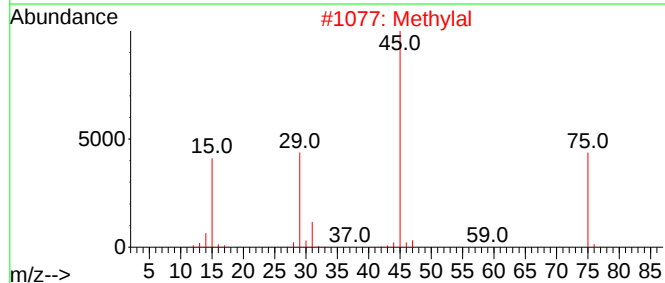
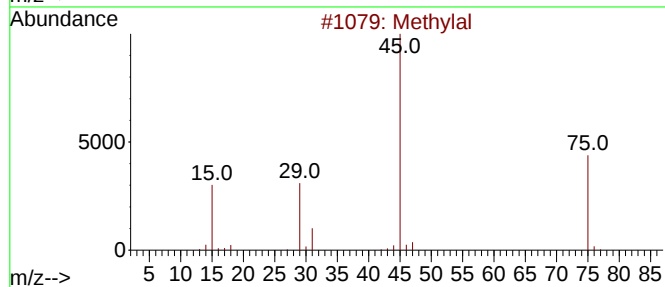
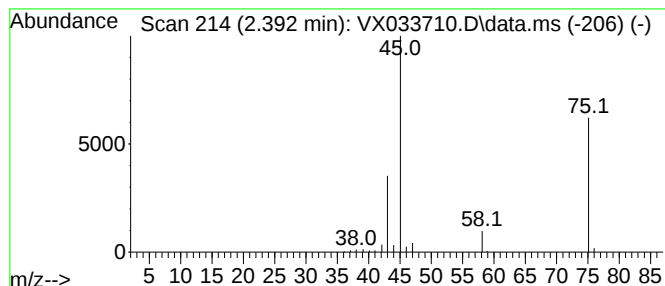
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Methylal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.392	27.65 ug/l	73055	Bromochloromethane	4.891

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal			76	C3H8O2	000109-87-5	80
2	Methylal			76	C3H8O2	000109-87-5	80
3	Methylal			76	C3H8O2	000109-87-5	72
4	Methylal			76	C3H8O2	000109-87-5	72
5	2,3-Butanediol			90	C4H10O2	000513-85-9	9



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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
230111061-02-VOA

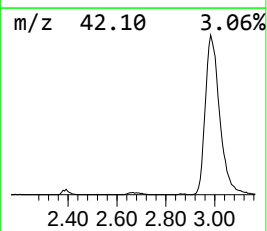
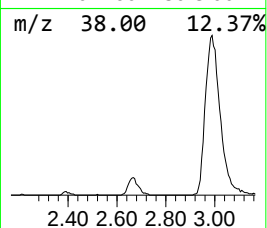
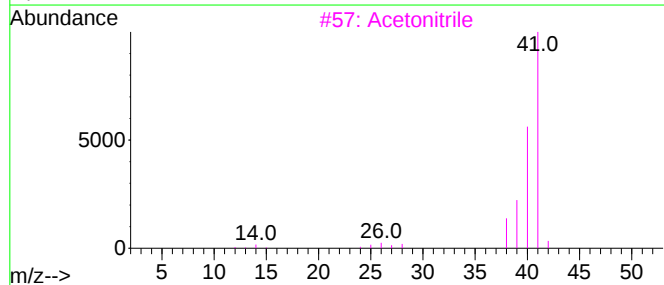
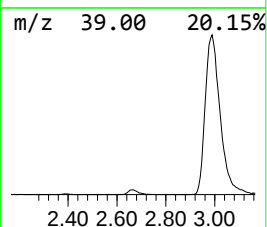
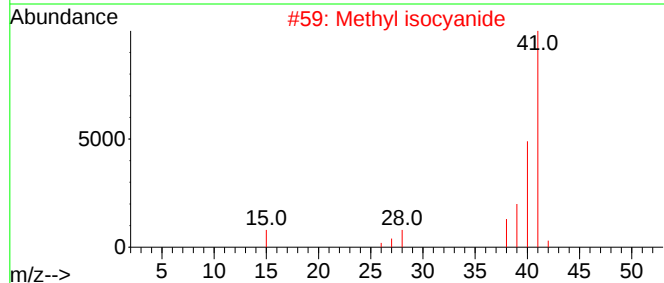
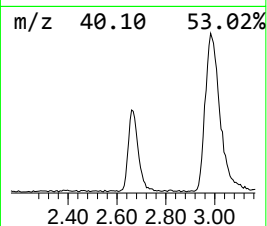
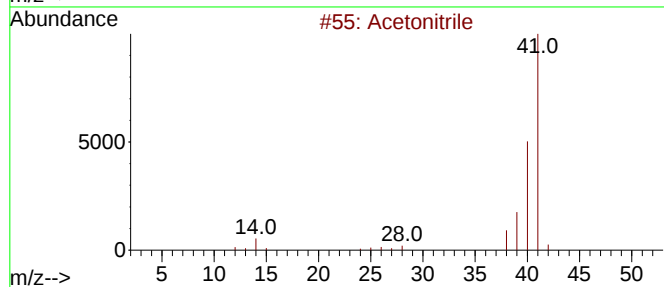
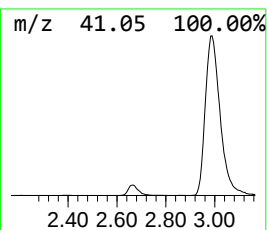
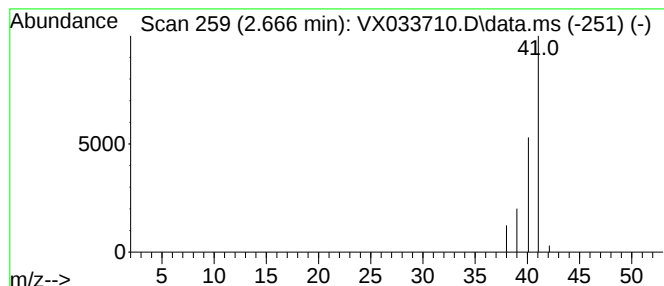
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Acetonitrile Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.666	17.33 ug/l	45789	Bromochloromethane	4.891

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetonitrile	41	C2H3N	000075-05-8	74
2			Methyl isocyanide	41	C2H3N	000593-75-9	74
3			Acetonitrile	41	C2H3N	000075-05-8	74
4			Acetonitrile	41	C2H3N	000075-05-8	74
5			Acetonitrile	41	C2H3N	000075-05-8	7



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ClientSampleId :
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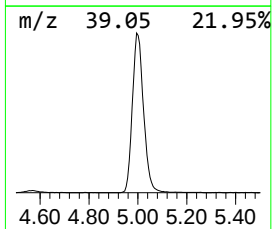
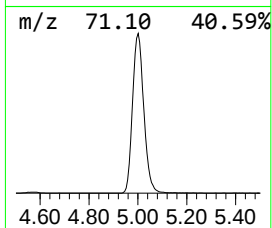
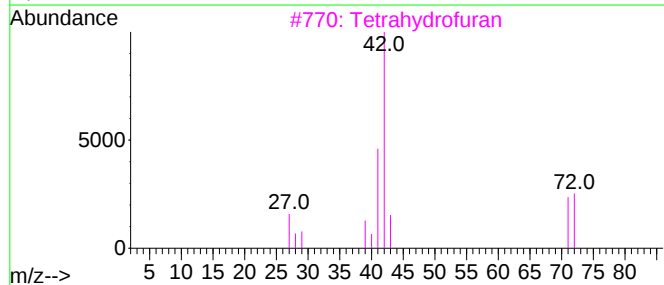
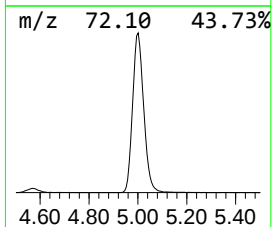
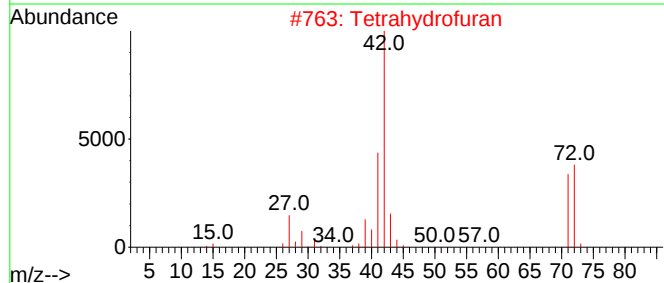
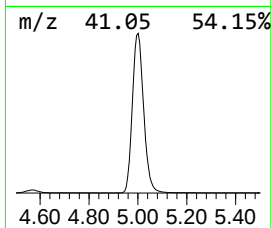
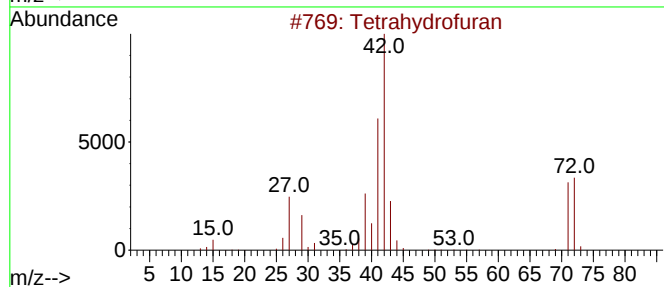
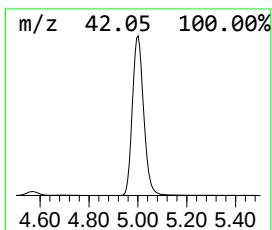
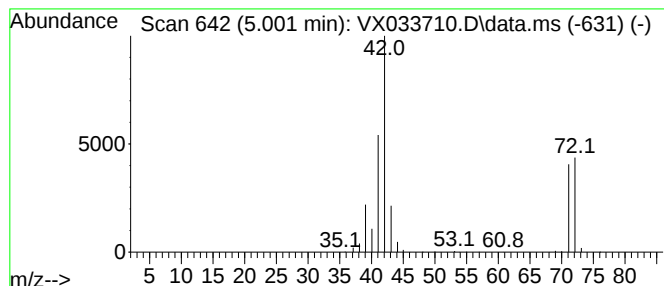
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tetrahydrofuran Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.001	743.02 ug/l	1962810	Bromochloromethane	4.891

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetrahydrofuran	72	C4H8O	000109-99-9	91
2			Tetrahydrofuran	72	C4H8O	000109-99-9	90
3			Tetrahydrofuran	72	C4H8O	000109-99-9	78
4			1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	64
5			Oxirane, ethyl-	72	C4H8O	000106-88-7	56



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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
230111061-02-VOA

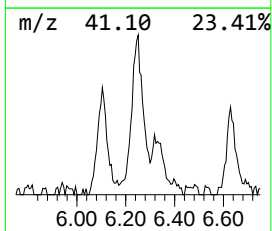
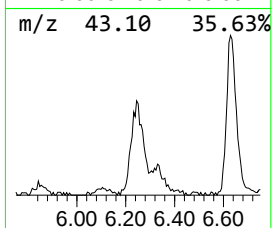
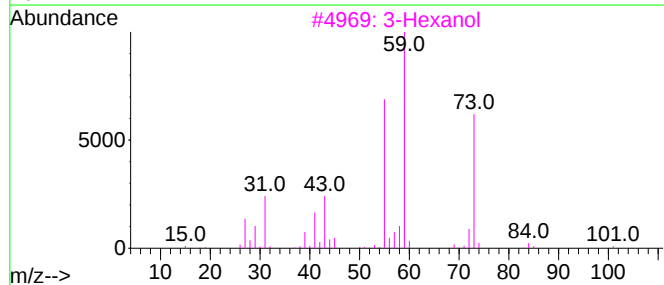
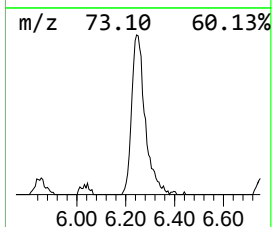
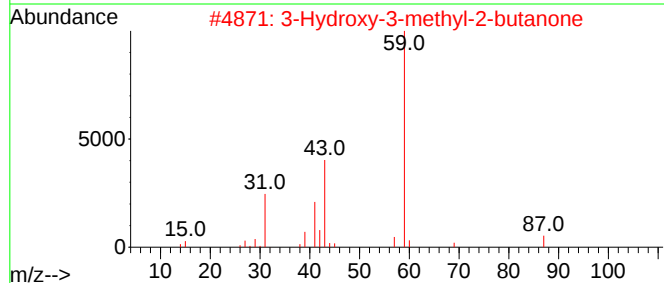
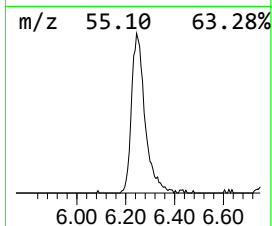
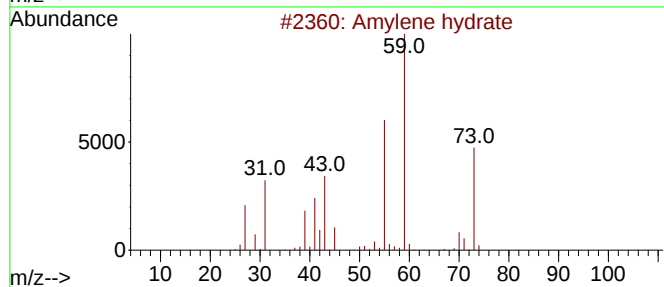
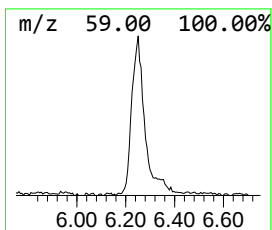
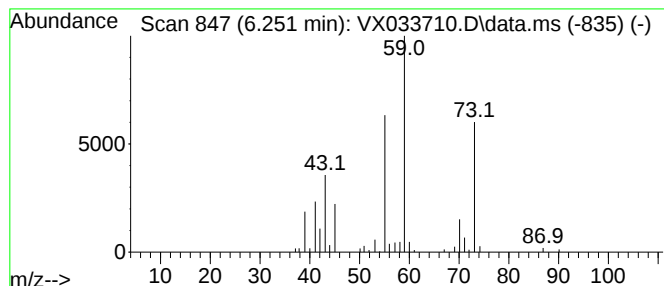
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Amylene hydrate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.251	14.45 ug/l	89782	1,4-Difluorobenzene	6.757

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Amylene hydrate	88	C5H12O	000075-85-4	72
2			3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	47
3			3-Hexanol	102	C6H14O	000623-37-0	42
4			Butanamide	87	C4H9NO	000541-35-5	40
5			Amylene hydrate	88	C5H12O	000075-85-4	38



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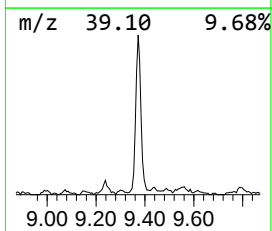
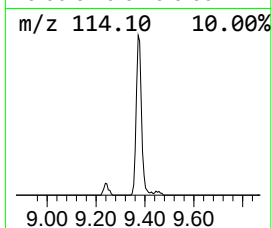
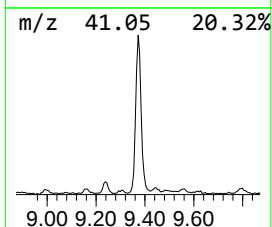
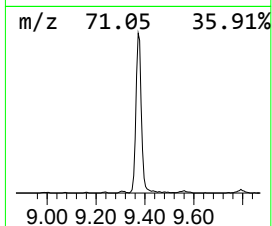
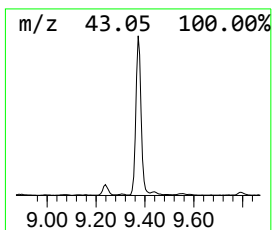
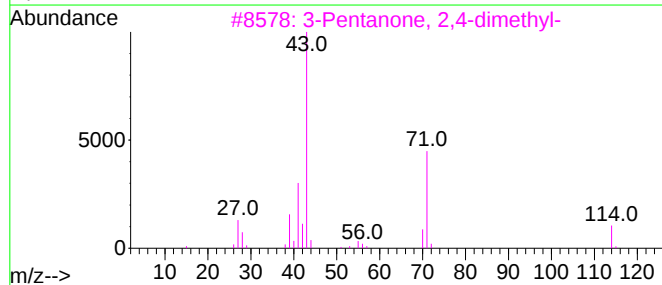
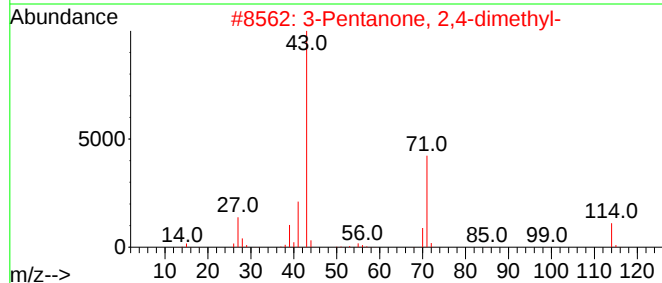
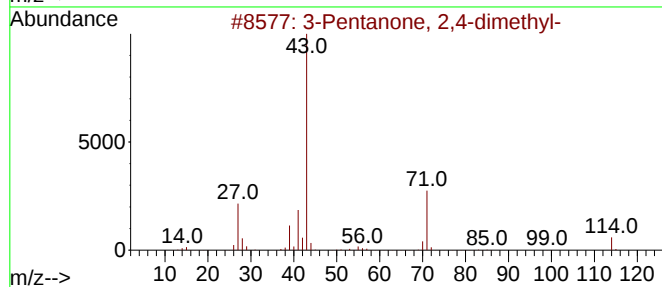
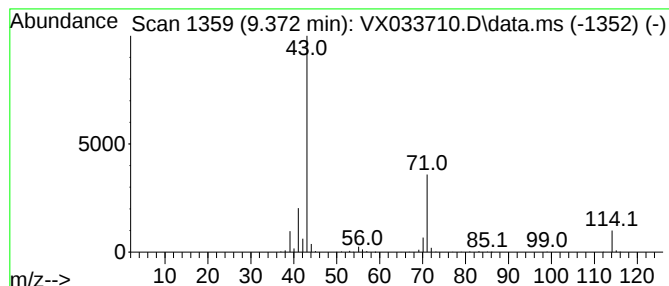
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 3-Pentanone, 2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.372	15.94 ug/l	214072	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
2			3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	80
3			3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	72
4			2,3-Hexanedione	114	C6H10O2	003848-24-6	72
5			3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033710.D
Acq On : 12 Jan 2023 14:43
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
230111061-02-VOA

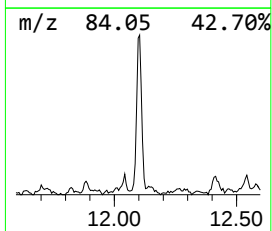
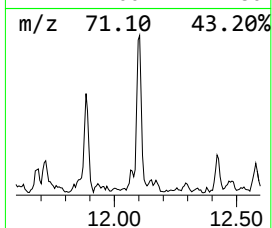
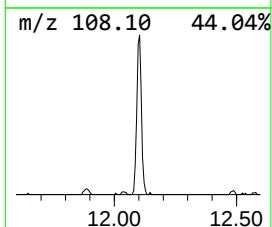
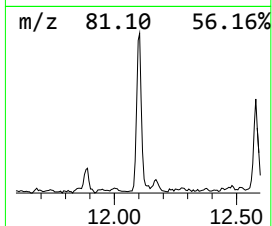
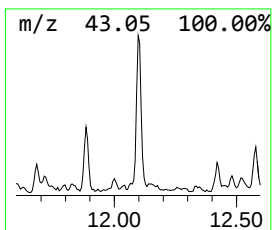
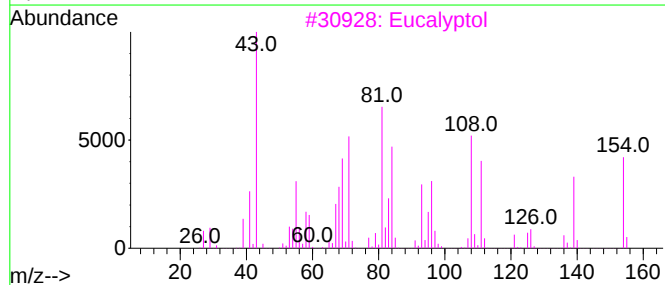
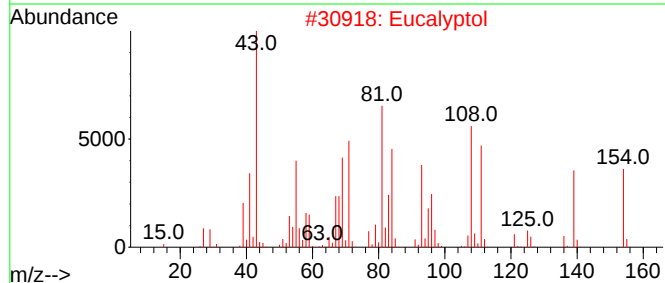
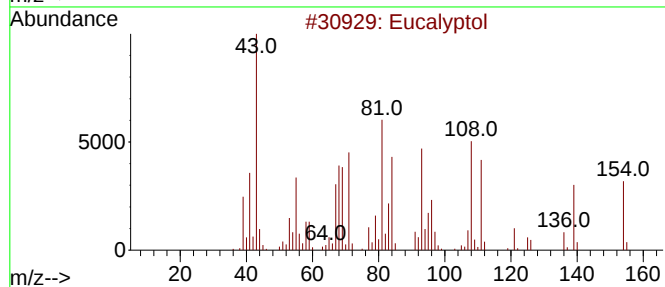
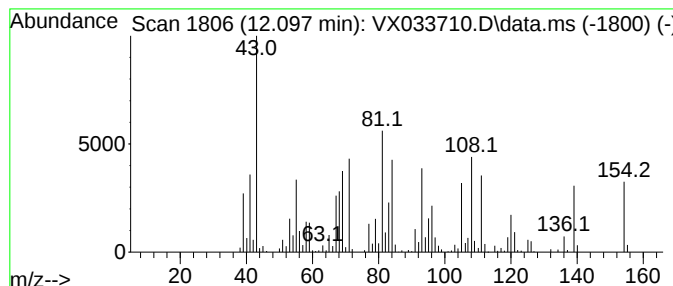
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Eucalyptol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.097	16.18 ug/l	217312	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol			154	C10H18O	000470-82-6	98
2	Eucalyptol			154	C10H18O	000470-82-6	98
3	Eucalyptol			154	C10H18O	000470-82-6	95
4	Eucalyptol			154	C10H18O	000470-82-6	93
5	Eucalyptol			154	C10H18O	000470-82-6	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033710.D
Acq On : 12 Jan 2023 14:43
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
230111061-02-VOA

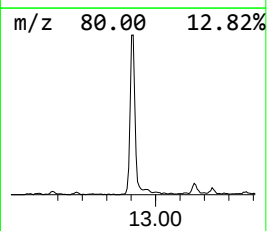
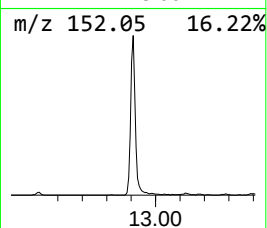
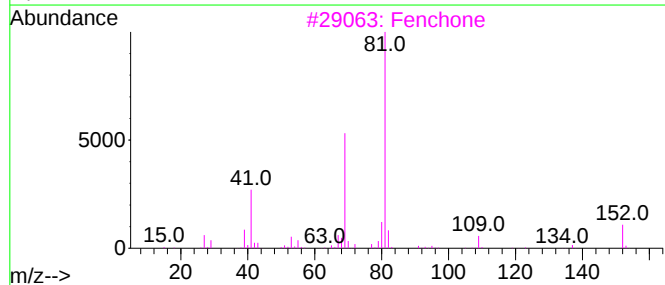
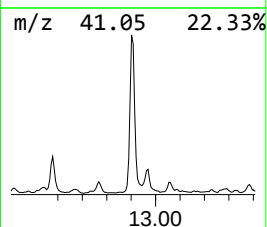
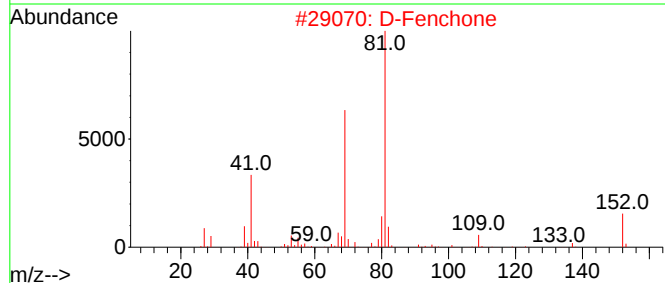
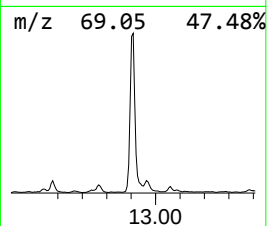
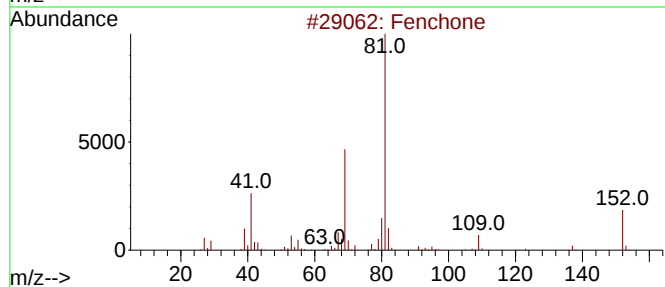
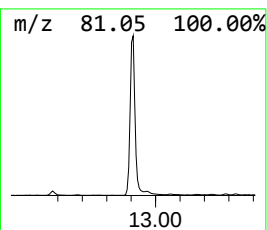
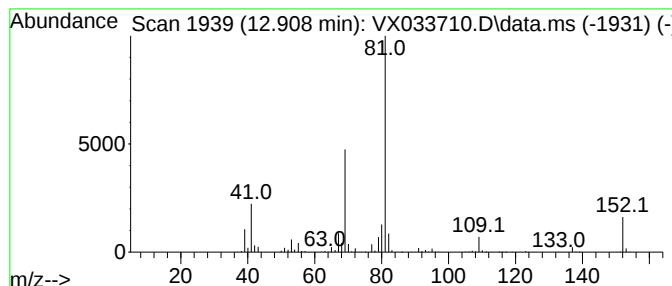
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Fenchone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.908	53.98 ug/l	725095	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fenchone	152	C10H16O	001195-79-5	95
2			D-Fenchone	152	C10H16O	004695-62-9	94
3			Fenchone	152	C10H16O	001195-79-5	94
4			Fenchone	152	C10H16O	001195-79-5	91
5			L-Fenchone	152	C10H16O	007787-20-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033710.D
Acq On : 12 Jan 2023 14:43
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
230111061-02-VOA

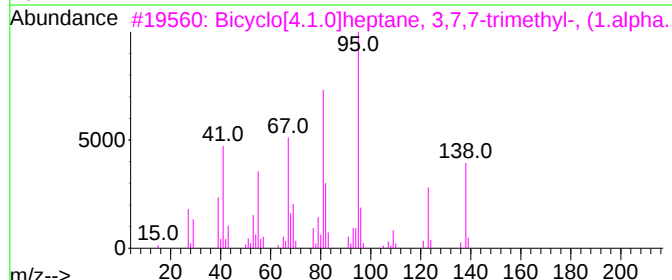
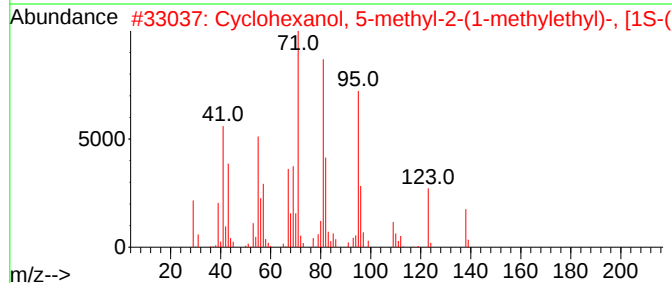
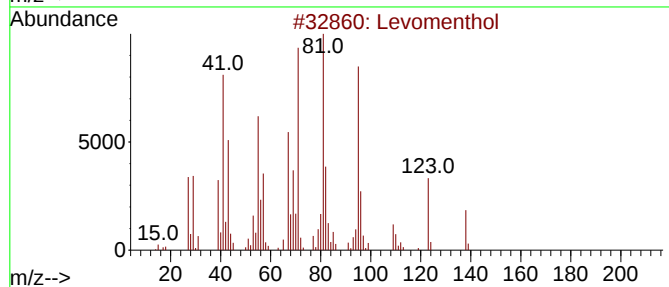
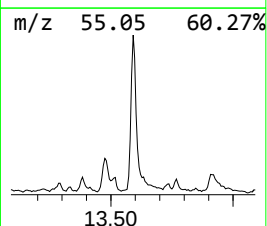
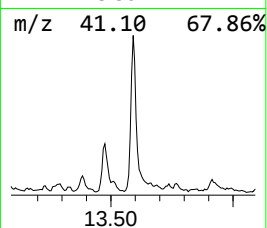
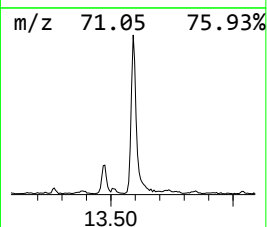
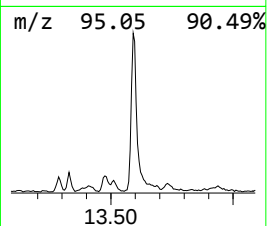
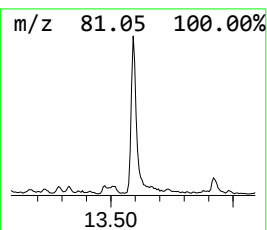
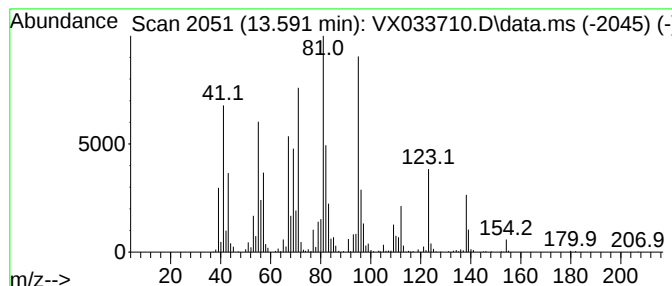
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Levomenthol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.591	41.18 ug/l	553181	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Levomenthol	156	C10H20O	002216-51-5	80
2			Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	64
3			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	60
4			Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	60
5			(1S)-(+)-Menthyl chloroformate	218	C11H19ClO2	007635-54-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033710.D
Acq On : 12 Jan 2023 14:43
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
230111061-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Methylal	2.392	27.6	ug/l	73055	1	4.891	79250	30.0
Acetonitrile	2.666	17.3	ug/l	45789	1	4.891	79250	30.0
Tetrahydrofuran	5.001	743.0	ug/l	1962810	1	4.891	79250	30.0
Amylene hydrate	6.251	14.4	ug/l	89782	2	6.757	186434	30.0
3-Pentanone, 2,...	9.372	15.9	ug/l	214072	3	10.055	402959	30.0
Eucalyptol	12.097	16.2	ug/l	217312	3	10.055	402959	30.0
Fenchone	12.908	54.0	ug/l	725095	3	10.055	402959	30.0
Levomenthol	13.591	41.2	ug/l	553181	3	10.055	402959	30.0