

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031924\
 Data File : VX040714.D
 Acq On : 19 Mar 2024 11:44
 Operator : JC/MD
 Sample : P1788-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PEZOMETER-206

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\624X030524W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VX040714.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.373	206	211	217	rVB2	1797	3425	1.25%	0.197%
2	4.897	615	625	640	rBV3	37826	111175	40.55%	6.383%
3	5.092	647	657	666	rBV2	4686	13728	5.01%	0.788%
4	5.952	789	798	814	rBV	42190	113996	41.57%	6.545%
5	6.757	921	930	945	rBV	85805	207151	75.55%	11.894%
6	8.647	1234	1240	1250	rBV	173559	274199	100.00%	15.744%
7	9.525	1380	1384	1395	rBV3	2520	4185	1.53%	0.240%
8	10.055	1465	1471	1482	rBV	181311	254608	92.86%	14.619%
9	11.079	1634	1639	1650	rBV	149434	197088	71.88%	11.316%
10	12.091	1801	1805	1810	rVB3	4495	5706	2.08%	0.328%
11	12.250	1826	1831	1832	rBV2	3661	5217	1.90%	0.300%
12	12.268	1832	1834	1838	rVV2	6718	7429	2.71%	0.427%
13	12.317	1838	1842	1851	rVB2	17866	24994	9.12%	1.435%
14	12.463	1862	1866	1870	rBV	6160	7045	2.57%	0.404%
15	12.530	1872	1877	1879	rBV	16794	21469	7.83%	1.233%
16	12.555	1879	1881	1886	rVB	17038	18409	6.71%	1.057%
17	12.615	1886	1891	1895	rBV	34677	42224	15.40%	2.424%
18	12.719	1900	1908	1914	rBV6	8778	19249	7.02%	1.105%
19	12.798	1914	1921	1924	rBV4	3776	5203	1.90%	0.299%
20	12.847	1924	1929	1933	rVB	15270	18309	6.68%	1.051%
21	12.920	1933	1941	1944	rBV	39010	48075	17.53%	2.760%
22	12.963	1944	1948	1953	rVB	65286	78714	28.71%	4.519%
23	13.024	1953	1958	1959	rBV	6621	7408	2.70%	0.425%
24	13.042	1959	1961	1963	rVV	8774	9828	3.58%	0.564%
25	13.073	1963	1966	1968	rVB	8057	8757	3.19%	0.503%
26	13.164	1976	1981	1986	rVB2	21385	29250	10.67%	1.679%
27	13.207	1986	1988	1991	rVV2	3755	4244	1.55%	0.244%
28	13.256	1991	1996	1998	rVV3	10259	15689	5.72%	0.901%
29	13.292	1998	2002	2011	rVV2	53872	85800	31.29%	4.926%
30	13.371	2011	2015	2020	rVB2	8431	10745	3.92%	0.617%
31	13.426	2020	2024	2030	rVB5	2735	3910	1.43%	0.224%
32	13.499	2032	2036	2041	rBV3	2053	3050	1.11%	0.175%
33	13.579	2044	2049	2058	rVB2	10462	20502	7.48%	1.177%
34	13.676	2060	2065	2069	rVB3	4188	5169	1.89%	0.297%
35	13.780	2075	2082	2091	rVB	8483	12183	4.44%	0.700%
36	14.383	2174	2181	2187	rBV	36294	43531	15.88%	2.499%

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ClientSampleId :
PEZOMETER-206

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\624X030524W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

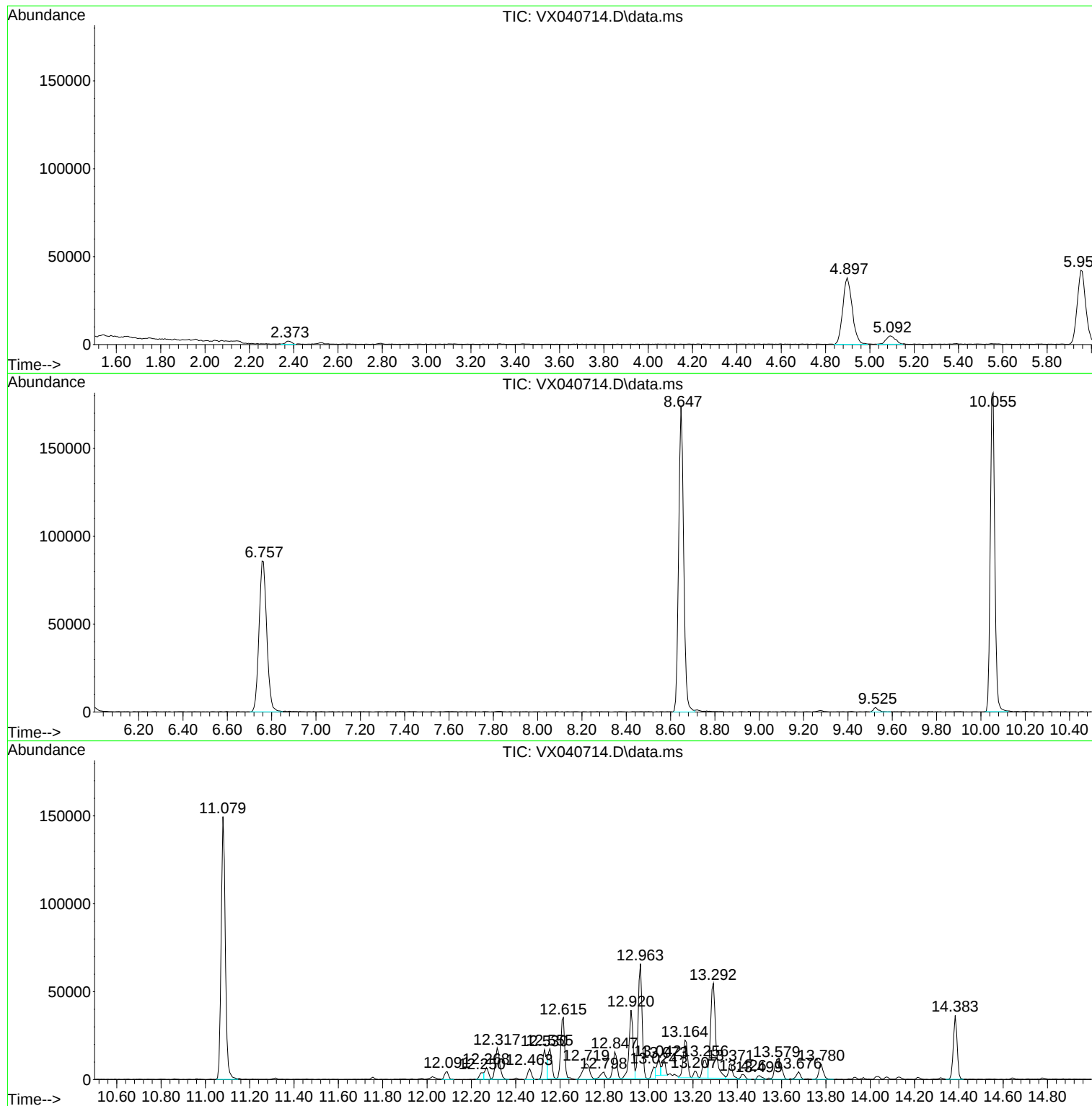
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



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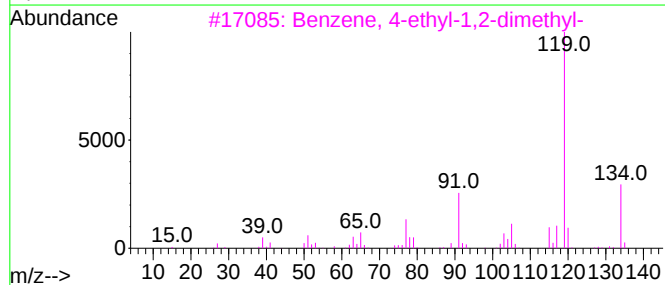
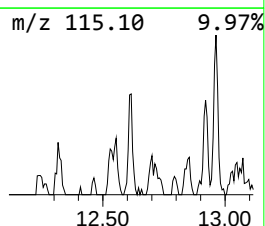
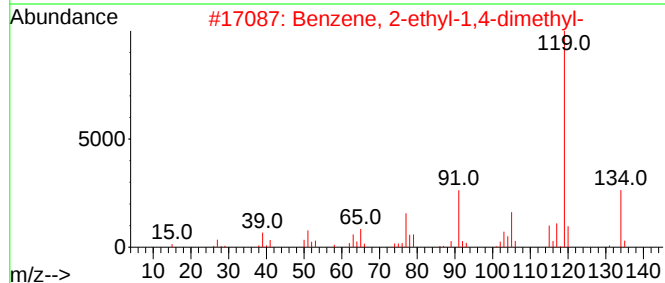
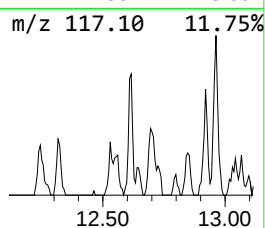
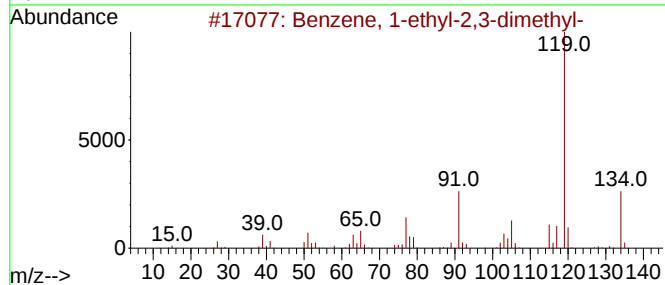
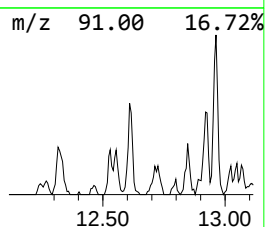
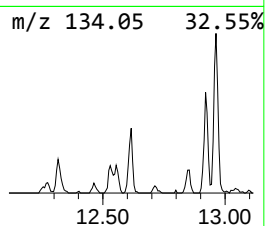
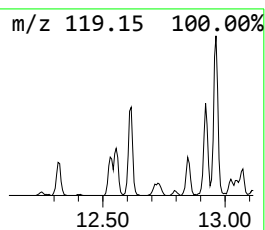
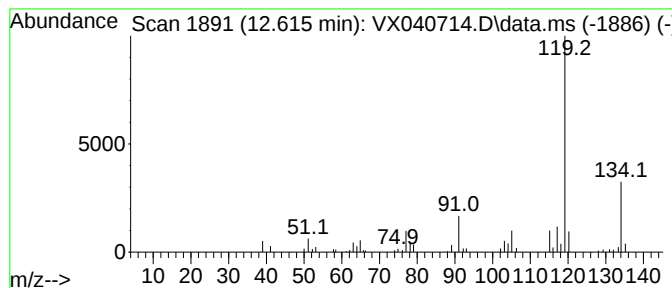
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 1 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.616	4.98 ug/l	42224	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
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	95
4			o-Cymene	134	C10H14	000527-84-4	94
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-206

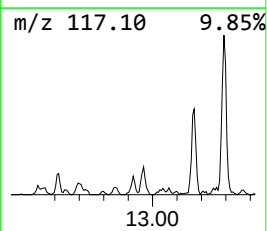
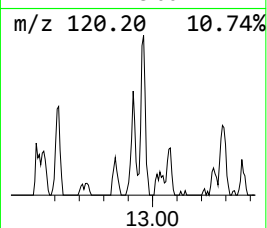
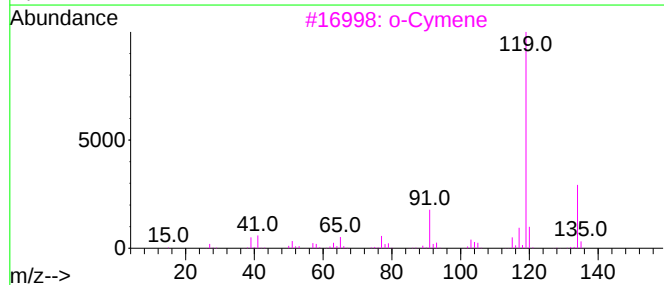
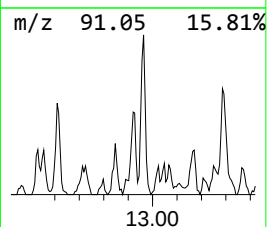
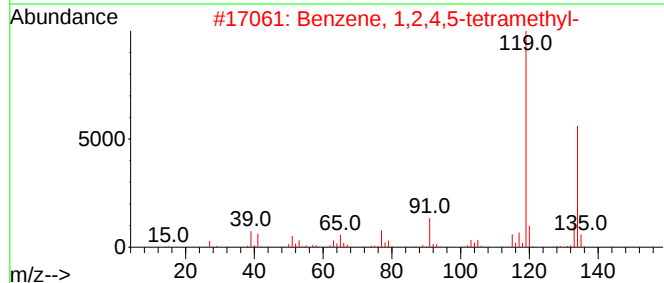
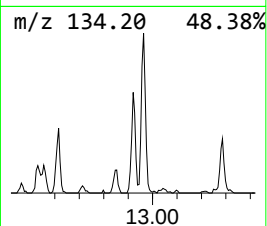
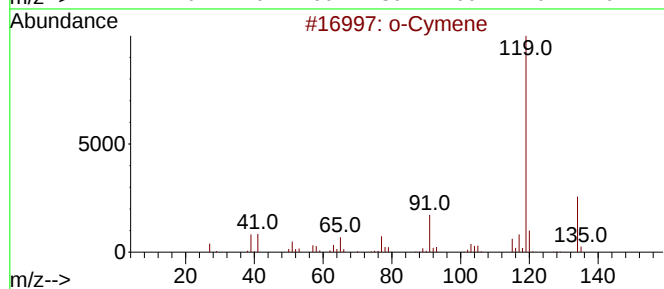
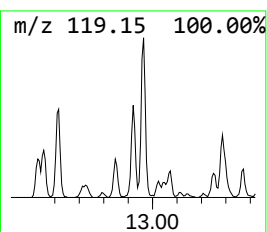
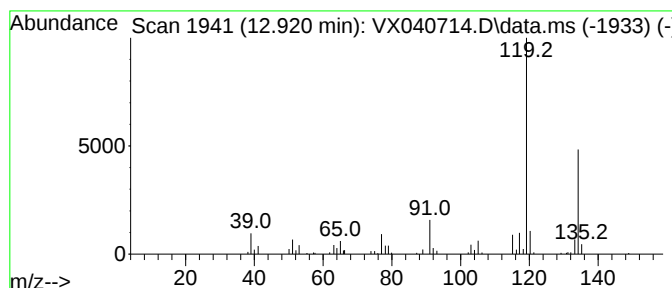
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	5.66 ug/l	48075	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3			o-Cymene	134	C10H14	000527-84-4	91
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



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ClientSampleId :
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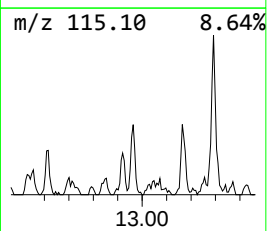
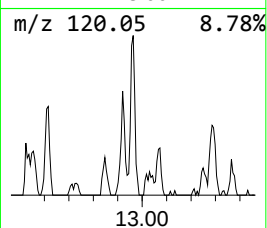
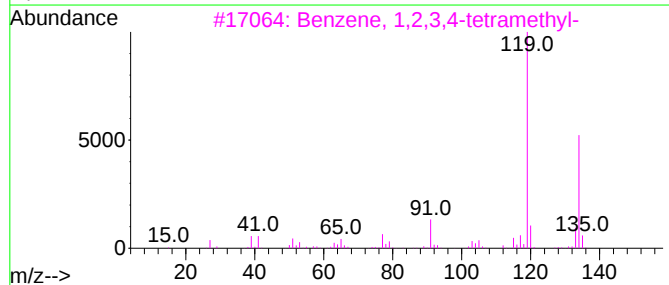
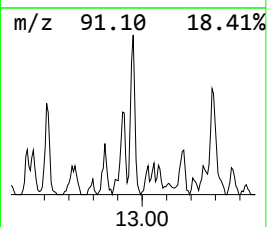
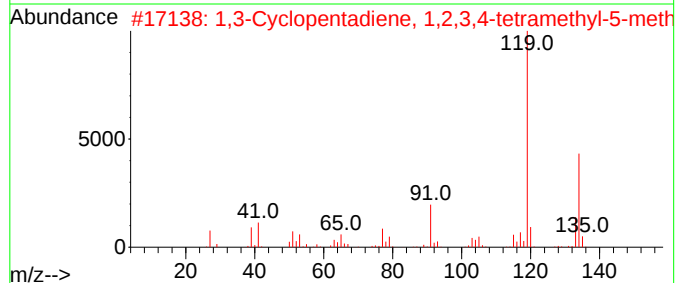
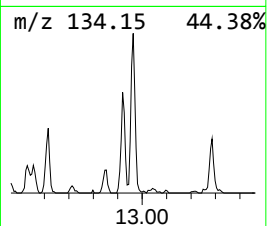
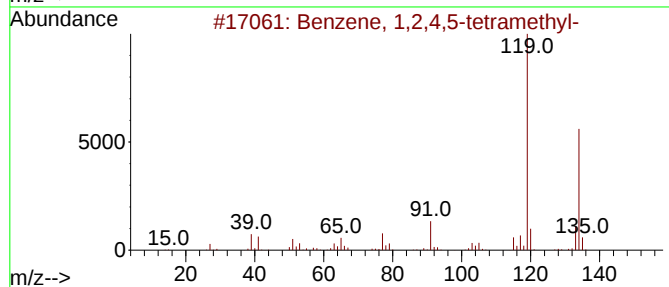
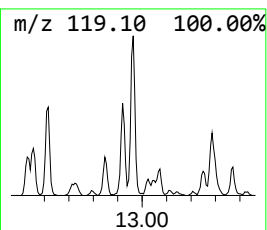
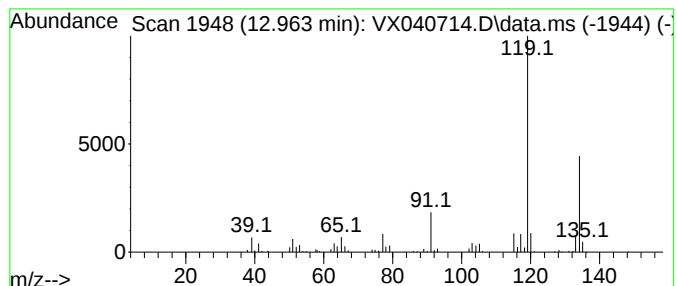
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.963	9.27 ug/l	78714	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



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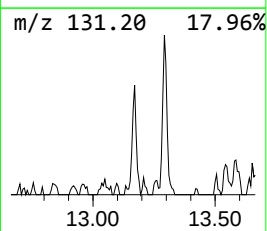
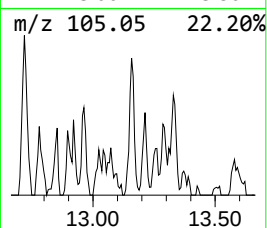
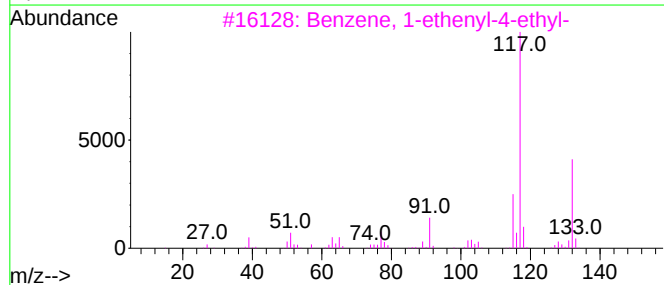
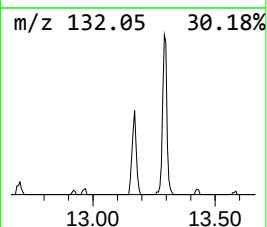
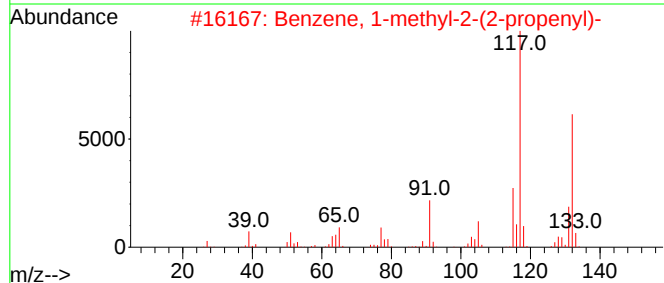
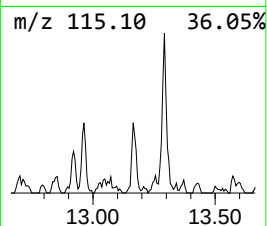
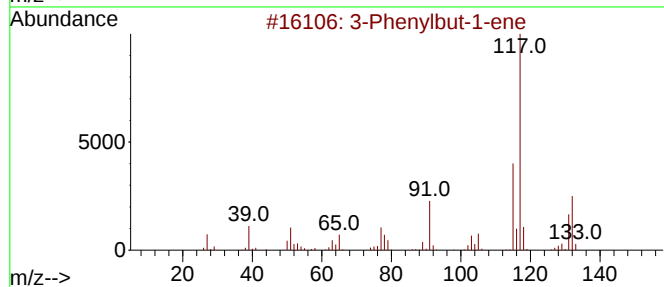
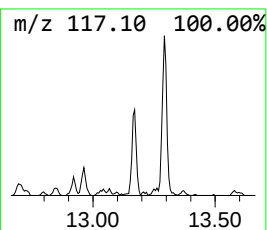
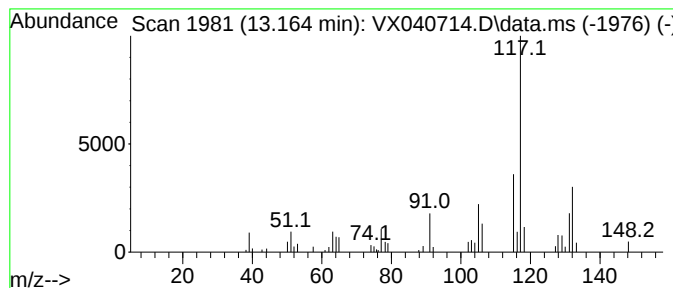
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 4 3-Phenylbut-1-ene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	3.45 ug/l	29250	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
2			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
3			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
4			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	76
5			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76



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PEZOMETER-206

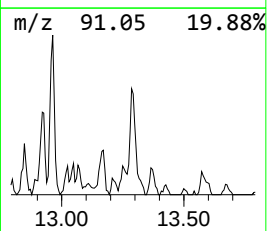
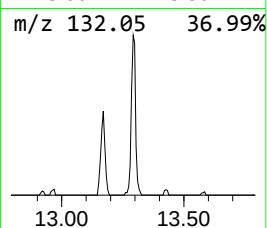
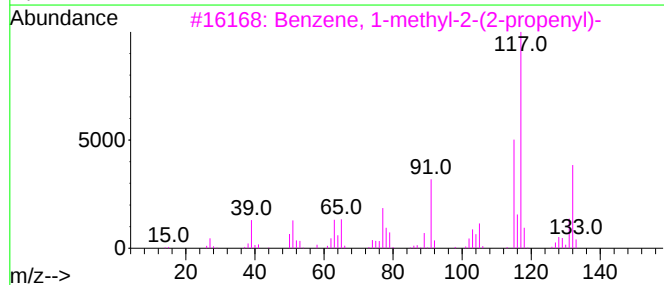
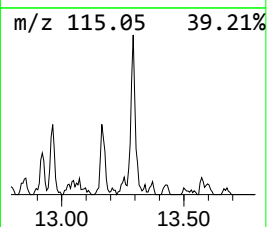
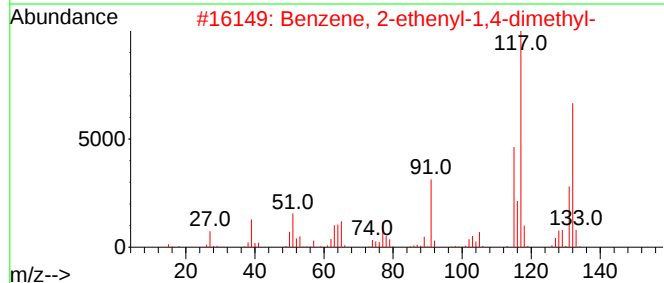
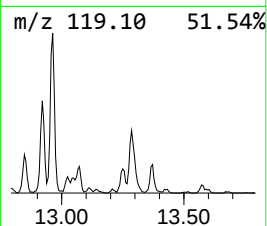
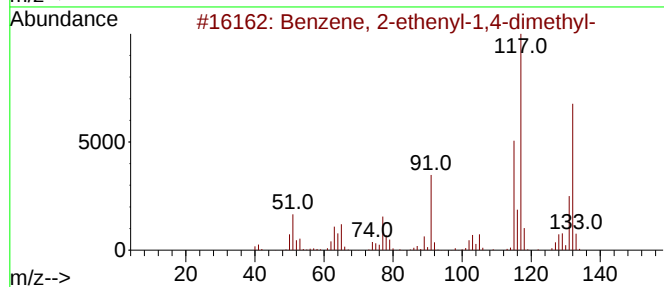
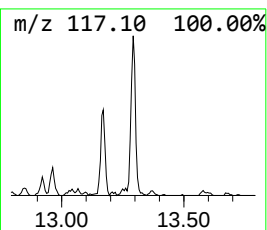
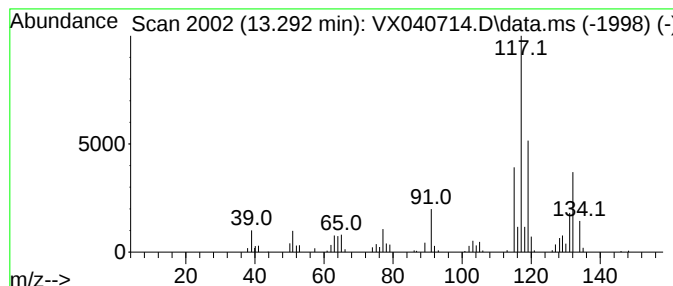
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	10.11 ug/l	85800	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
2			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
3			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
5			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031924\
Data File : VX040714.D
Acq On : 19 Mar 2024 11:44
Operator : JC/MD
Sample : P1788-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-206

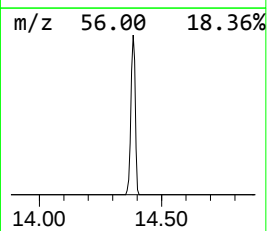
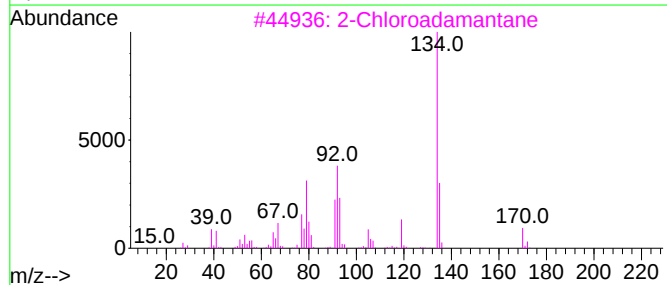
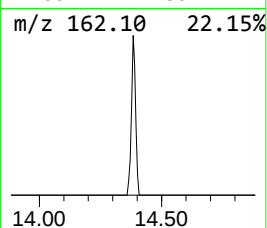
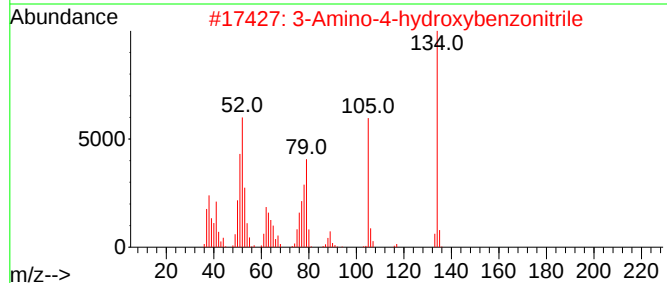
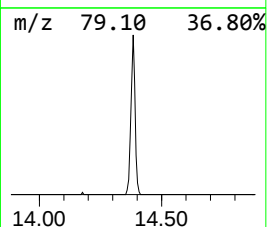
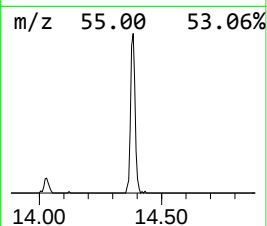
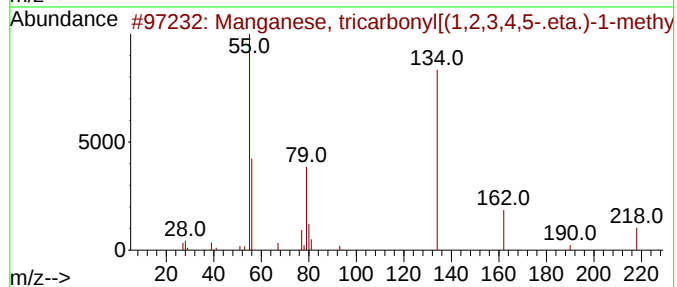
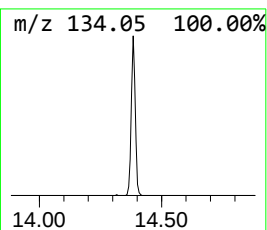
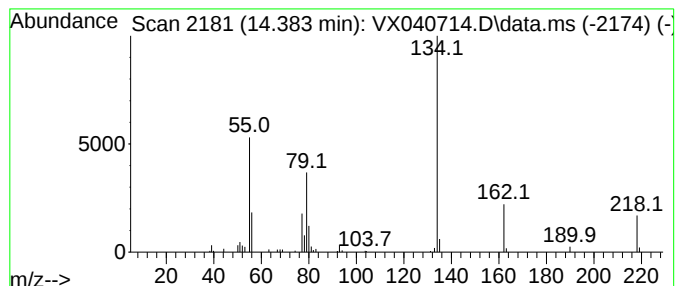
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

Peak Number 6 Manganese, tricarbonyl[(1,2... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.384	5.13 ug/l	43531	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Manganese, tricarbonyl[(1,2,3,4,...	218	C9H7MnO3	012108-13-3	56
2			3-Amino-4-hydroxybenzonitrile	134	C7H6N2O	014543-43-2	33
3			2-Chloroadamantane	170	C10H15Cl	007346-41-0	33
4			2-Methyl-1,2,4-triazolo(2,3-a)py...	134	C6H6N4	020914-69-6	32
5			Pyrrolo[3,2-c]pyridin-4(5H)-one	134	C7H6N2O	054415-77-9	28



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031924\
Data File : VX040714.D
Acq On : 19 Mar 2024 11:44
Operator : JC/MD
Sample : P1788-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PEZOMETER-206

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-ethy...	12.616	5.0	ug/l	42224	3	10.055	254608	30.0
o-Cymene	12.920	5.7	ug/l	48075	3	10.055	254608	30.0
Benzene, 1,2,4,...	12.963	9.3	ug/l	78714	3	10.055	254608	30.0
3-Phenylbut-1-ene	13.164	3.5	ug/l	29250	3	10.055	254608	30.0
Benzene, 2-ethe...	13.292	10.1	ug/l	85800	3	10.055	254608	30.0
Manganese, tric...	14.384	5.1	ug/l	43531	3	10.055	254608	30.0