LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 240308028-06

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: VX040778.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.752	105	109	115	rVB3	6190	9160	2.97%	0.369%
2	1.959	139	143	149	rVB5	3096	5430	1.76%	0.219%
3	2.136	167	172	179	rVV3	4024	6621	2.15%	0.267%
4	2.782	273	278	281	rBV3	1779	3336	1.08%	0.134%
5	2.831	281	286	289	rVV2	2382	4495	1.46%	0.181%
6	2.873	289	293	298	rVB3	2199	3908	1.27%	0.158%
7	3.105	324	331	341	rVB2	5803	12565	4.07%	0.507%
8	4.306	518	528	541	rVB3	15019	42740	13.85%	1.723%
9	4.897	615	625	638	rBV3	41074	119988	38.88%	4.837%
10	5.470	707	719	728	rBV3	9951	29079	9.42%	1.172%
11	5.836	774	779	787	rVB5	1468	3532	1.14%	0.142%
12	5.958	789	799	811	rBV2	47377	121330	39.32%	4.891%
13	6.354	857	864	871	rVB5	2072	5845	1.89%	0.236%
14	6.763	922	931	946	rBV	92904	222801	72.20%	8.981%
15	7.379	1023	1032	1039	rBV5	9460	22209	7.20%	0.895%
16	8.647	1234	1240	1250	rVV	187786	295429	95.73%	11.909%
17	8.976	1289	1294	1301	rVB4	2449	3904	1.27%	0.157%
18	9.561	1385	1390	1395	rVB4	2916	4636	1.50%	0.187%
19	10.055	1465	1471	1480	rBV2	190013	308596	100.00%	12.440%
20	10.128	1481	1483	1488	rVB4	2838	3184	1.03%	0.128%
21	10.299	1504	1511	1517	rBV3	6044	10984	3.56%	0.443%
22	10.585	1551	1558	1565	rBV5	2074	4587	1.49%	0.185%
23	10.780	1582	1590	1595	rBV4	2979	4995	1.62%	0.201%
24	10.854	1598	1602	1608	rBV3	3286	4723	1.53%	0.190%
25	10.963	1615	1620	1624	rBV	12554	15523	5.03%	0.626%
26	11.079	1632	1639	1645	rBV	159948	204105	66.14%	8.228%
27	11.225	1657	1663	1670	rVB6	2070	3805	1.23%	0.153%
28	11.305	1673	1676	1680	rBV2	3545	4797	1.55%	0.193%
29	11.616	1723	1727	1734	rBV2	3612	5214	1.69%	0.210%
30	11.750	1746	1749	1755	rVB	4049	5581	1.81%	0.225%
31	11.866	1762	1768	1770	rBV2	5907	8377	2.71%	0.338%
32	11.890	1770	1772	1777	rVB	4980	5261	1.70%	0.212%
33	12.024	1789	1794	1795	rBV2	3319	3431	1.11%	0.138%
34	12.042	1795	1797	1801	rVV2	3571	4326	1.40%	0.174%
35	12.085	1801	1804	1810	rVV2	2964	4259	1.38%	0.172%
36	12.177	1814	1819	1823	rVV2	3483	4877	1.58%	0.197%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

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

37	12.244	1823	1830	1837	rVV	83082	106769	34.60%	4.304%
38	12.311	1837	1841	1852	rVV3	15632	30158	9.77%	1.216%
39	12.402	1852	1856	1861	rVB2	11792	15529	5.03%	0.626%
40	12.542	1874	1879	1884	rBV2	12808	18413	5.97%	0.742%
41	12.609	1885	1890	1894	rVV	126351	153814	49.84%	6.200%
42	12.640	1894	1895	1900	rVB	13254	13548	4.39%	0.546%
43	12.695	1900	1904	1913	rBV4	34571	64318	20.84%	2.593%
44	12.835	1921	1927	1933	rVB6	5054	8273	2.68%	0.333%
45	12.920	1933	1941	1945	rBV	114499	147658	47.85%	5.952%
46	12.963	1945	1948	1954	rVB	30250	36687	11.89%	1.479%
47	13.024	1954	1958	1963	rVB	15463	19408	6.29%	0.782%
48	13.103	1966	1971	1972	rBV2	4449	7432	2.41%	0.300%
49	13.140	1974	1977	1978	rVV2	5822	6954	2.25%	0.280%
50	13.170	1978	1982	1988	rVB	42759	53366	17.29%	2.151%
51	13.256	1993	1996	1997	rVV	8198	7890	2.56%	0.318%
52	13.292	1997	2002	2009	rVV3	98928	144610	46.86%	5.829%
53	13.371	2009	2015	2021	rVV	10752	16223	5.26%	0.654%
54	13.506	2032	2037	2040	rVV4	3544	5166	1.67%	0.208%
55	13.542	2040	2043	2046	rVV2	6389	8779	2.84%	0.354%
56	13.579	2046	2049	2055	rVV2	17521	26325	8.53%	1.061%
57	13.640	2056	2059	2060	rVV2	3971	4626	1.50%	0.186%
58	13.670	2060	2064	2070	rVB2	9217	17924	5.81%	0.723%
59	13.920	2099	2105	2110	rBV4	4590	7735	2.51%	0.312%
60	13.969	2110	2113	2119	rVB3	3415	4176	1.35%	0.168%
61	14.079	2126	2131	2135	rVB	8687	10622	3.44%	0.428%
62	14.213	2147	2153	2159	rBV4	6360	11096	3.60%	0.447%
63	14.316	2164	2170	2175	rBV	3984	5201	1.69%	0.210%
64	14.371	2175	2179	2186	rVB2	3501	4416	1.43%	0.178%

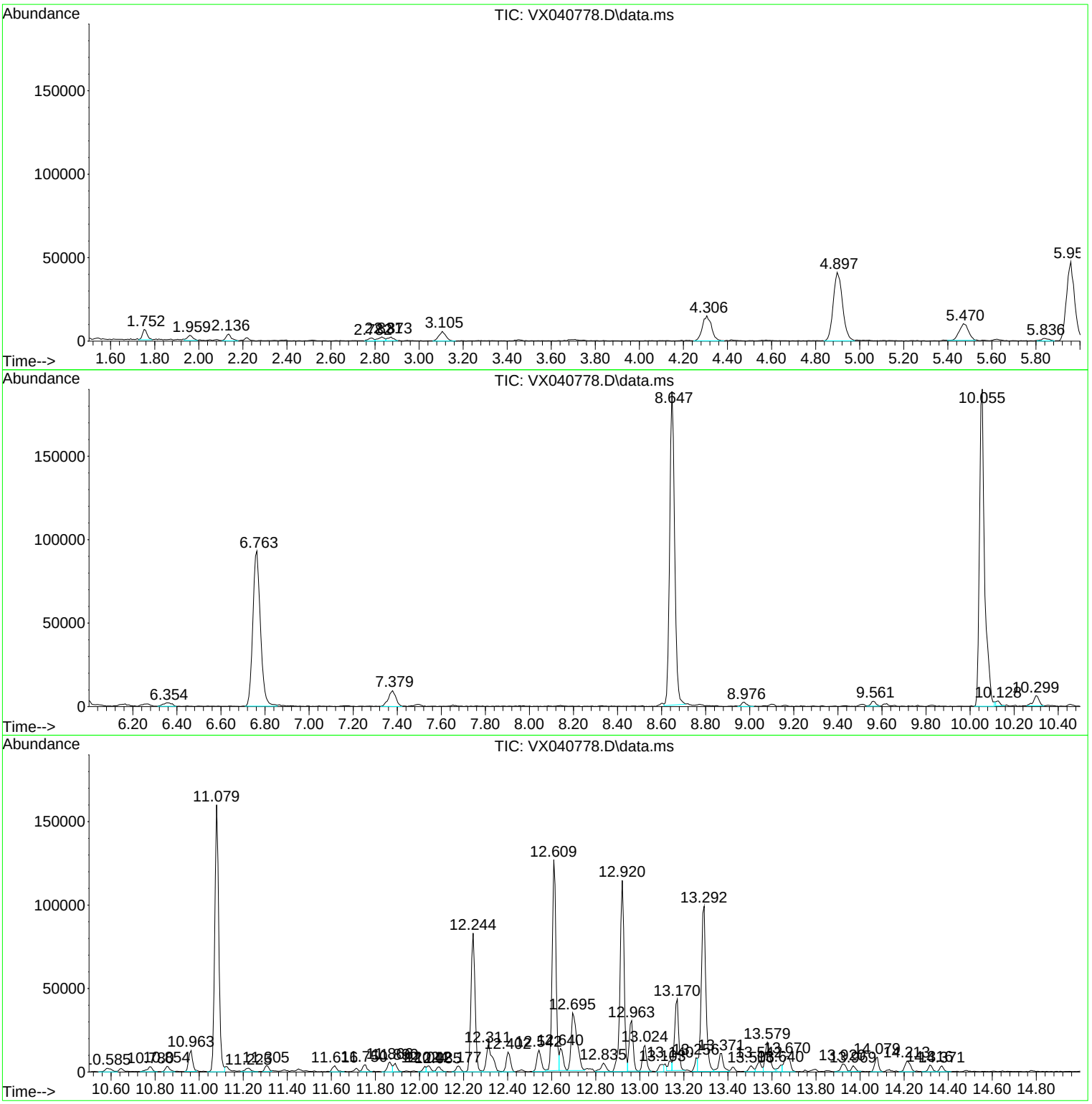
Sum of corrected areas: 2480749

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

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

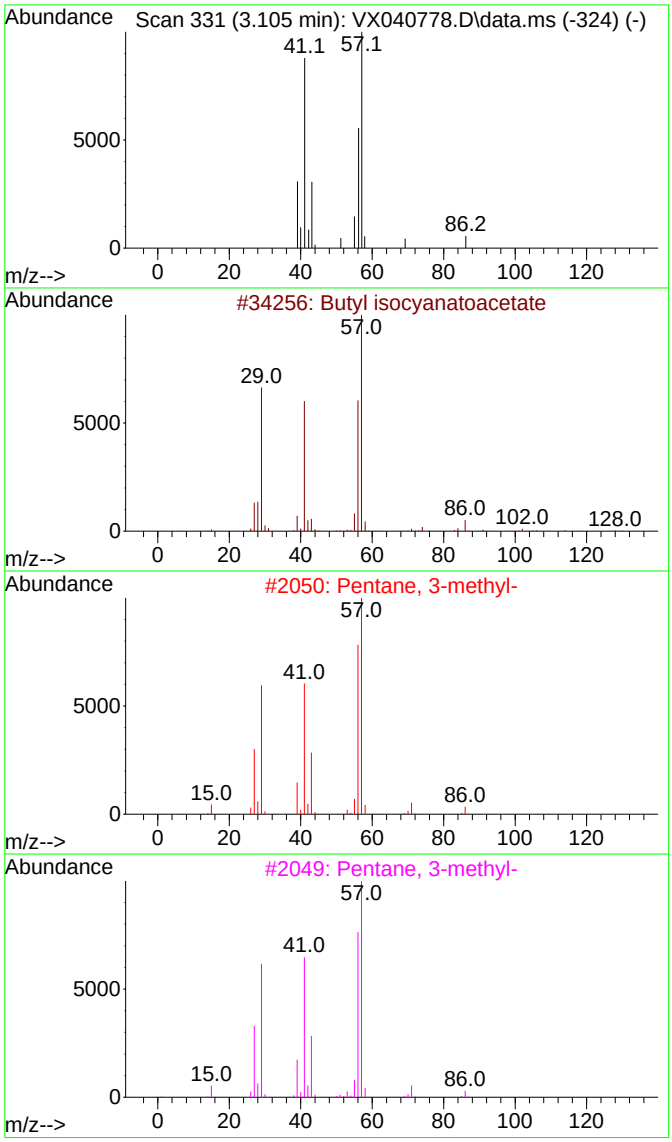
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

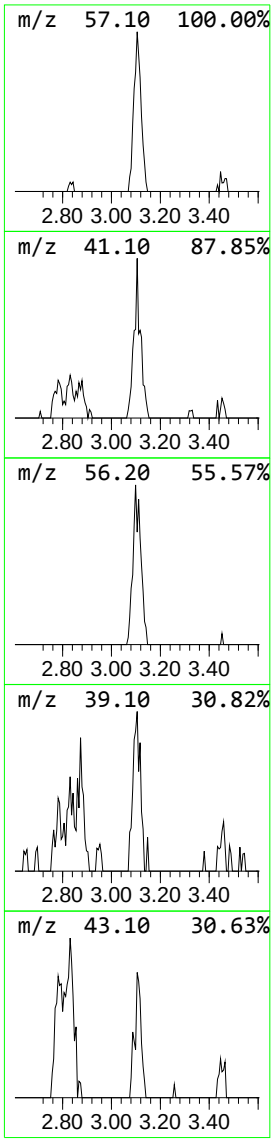
****

Peak Number 1 unknown3.105 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.105	3.14 ug/l	12565	Bromochloromethane	4.897

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	39
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	32
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	25
4	Borinic acid, diethyl-	86	C4H11BO	004426-31-7	9
5	Butanal, 2-methyl-	86	C5H10O	000096-17-3	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

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

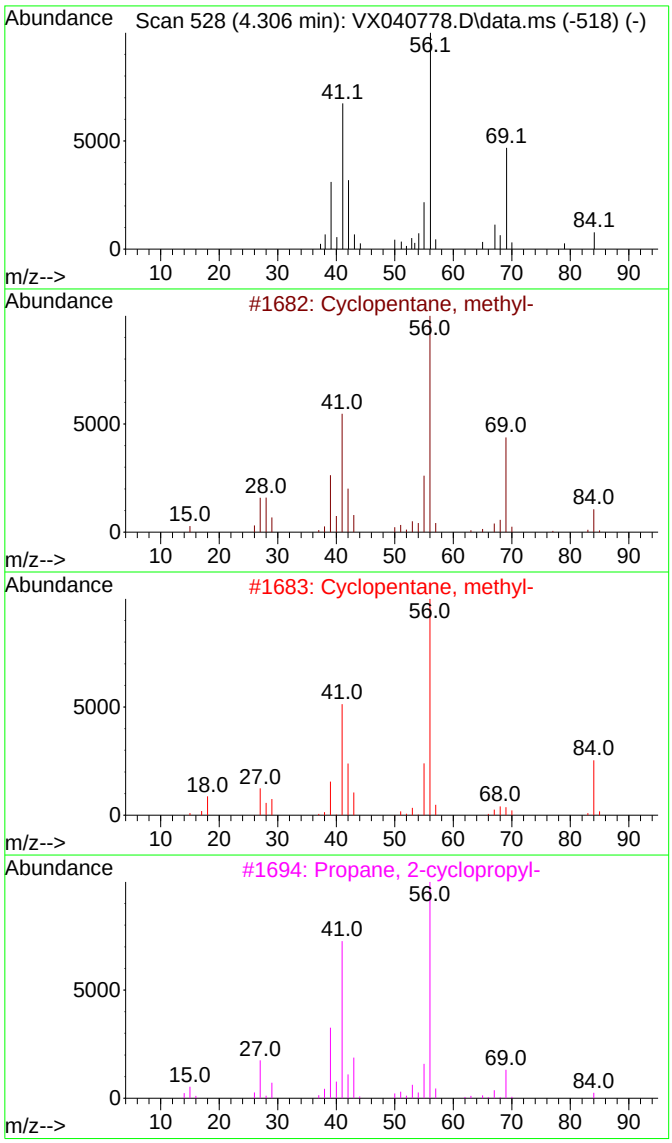
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

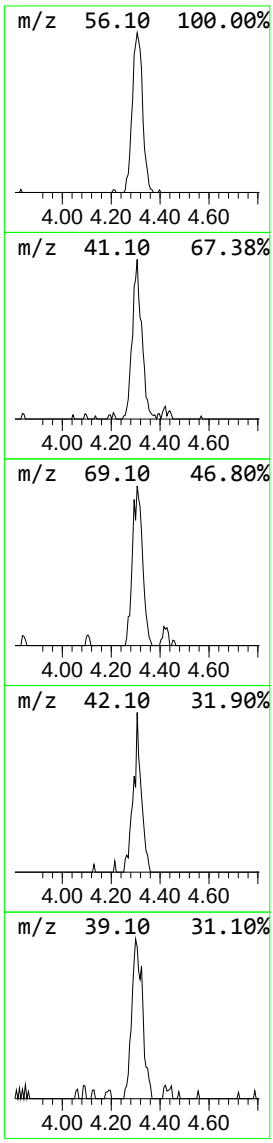
****

Peak Number 2 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.306	10.69 ug/l	42740	Bromochloromethane	4.897

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
3	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	64
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59
5	Cyclobutane, butyl-	112	C8H16	013152-44-8	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

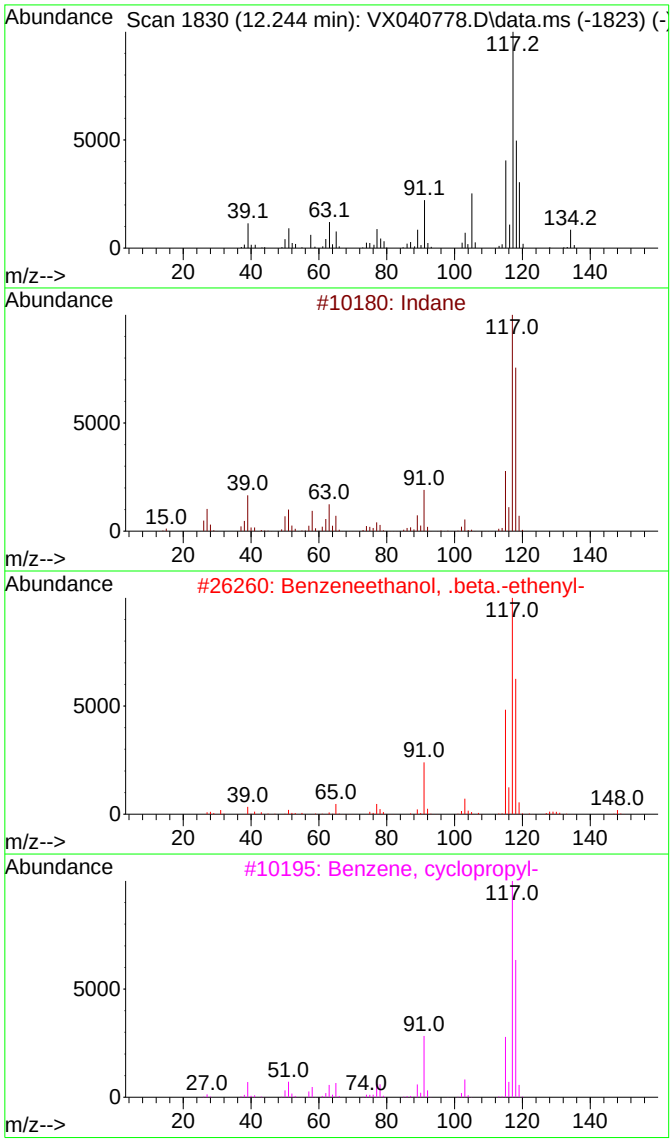
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

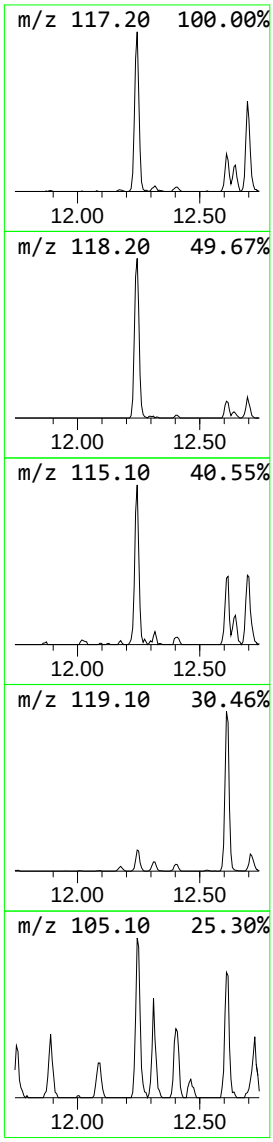
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	10.38 ug/l	106769	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	64
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	64
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
4	Indane	118	C9H10	000496-11-7	60
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

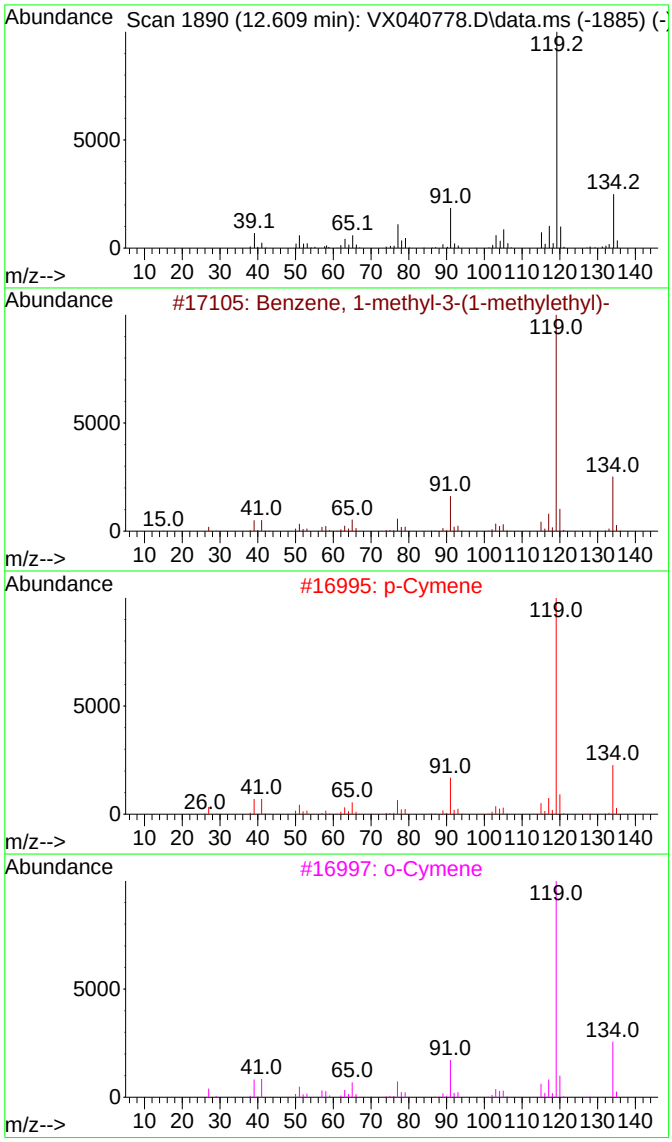
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

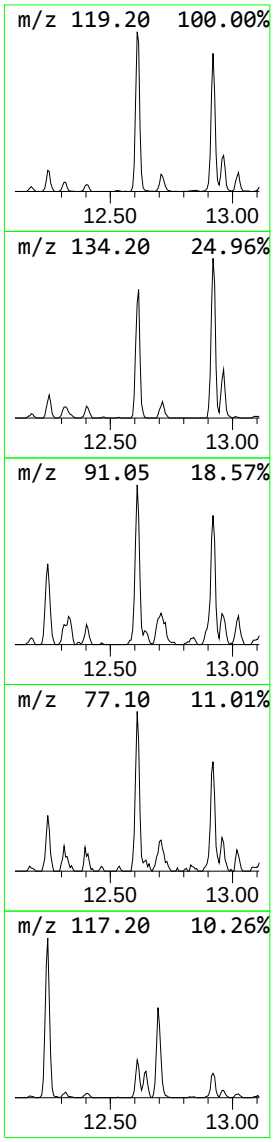
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-methyl-3-(1-meth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.609	14.95 ug/l	153814	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	97
2	p-Cymene	134	C10H14	000099-87-6	97
3	o-Cymene	134	C10H14	000527-84-4	97
4	o-Cymene	134	C10H14	000527-84-4	97
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

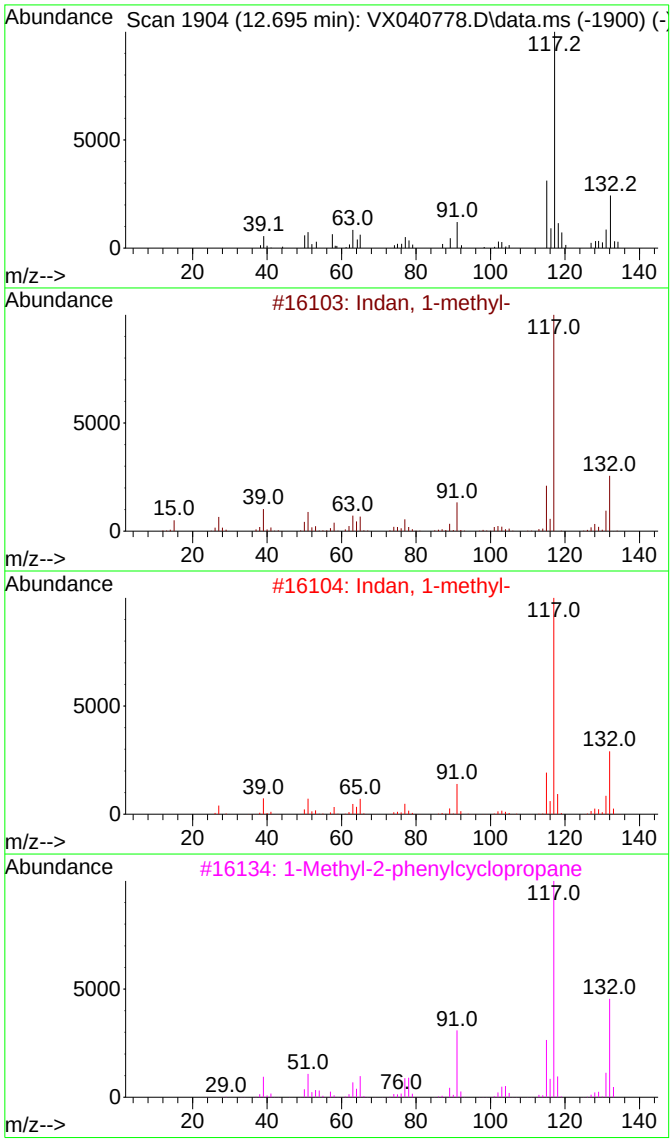
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

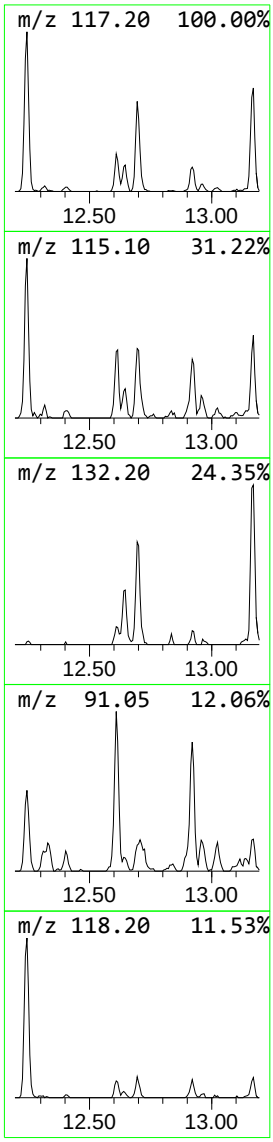
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Indan, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.695	6.25 ug/l	64318	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

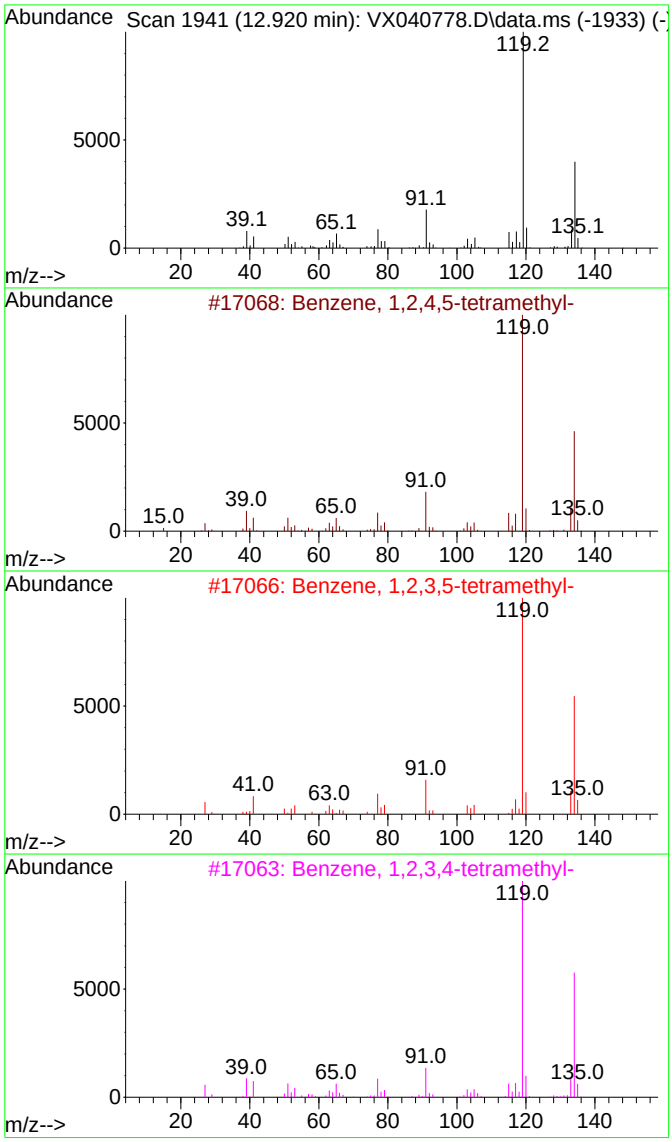
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

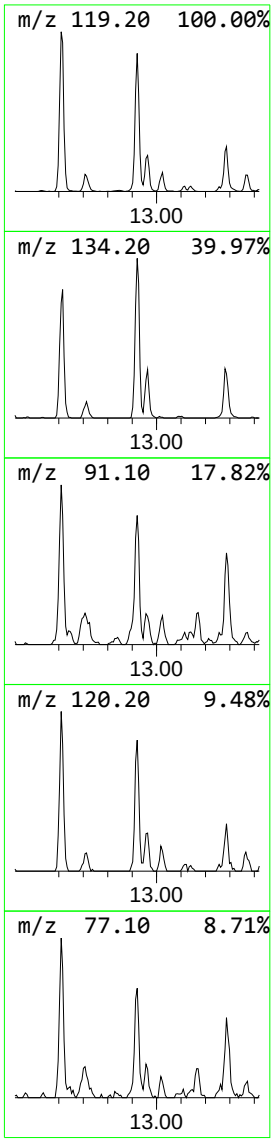
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	14.35 ug/l	147658	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	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

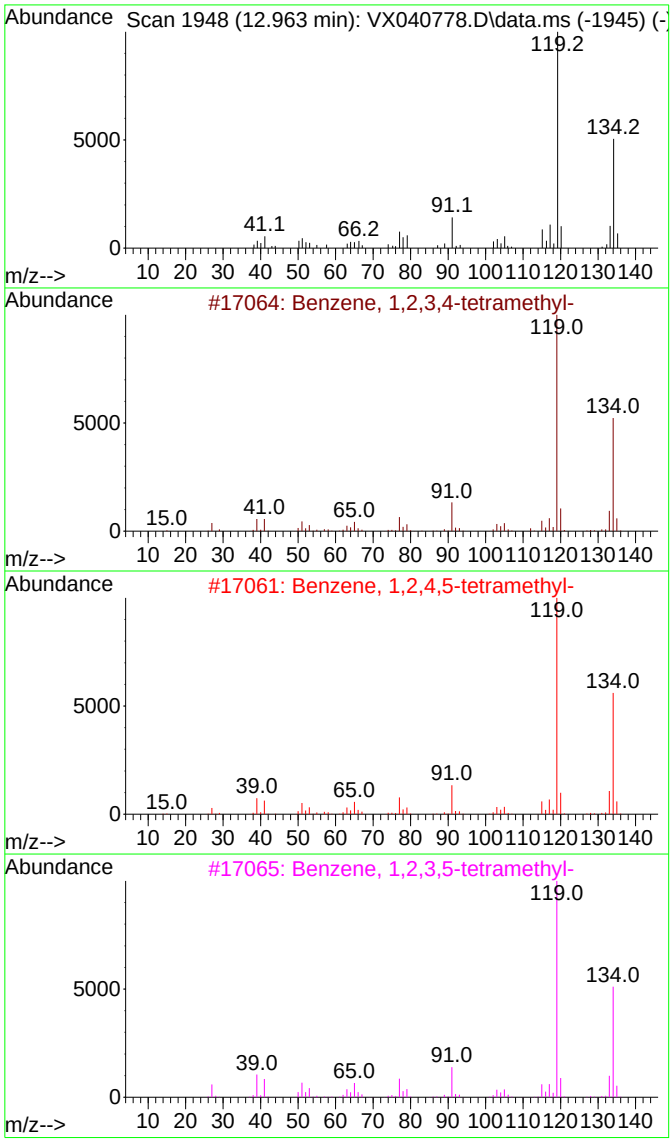
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

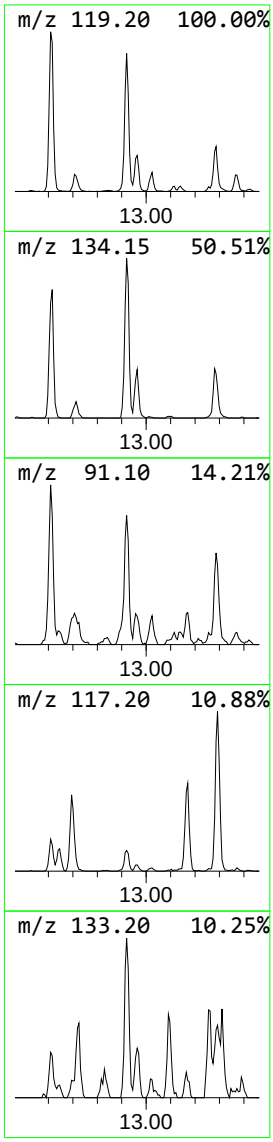
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.963	3.57 ug/l	36687	Chlorobenzene-d5	10.055

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

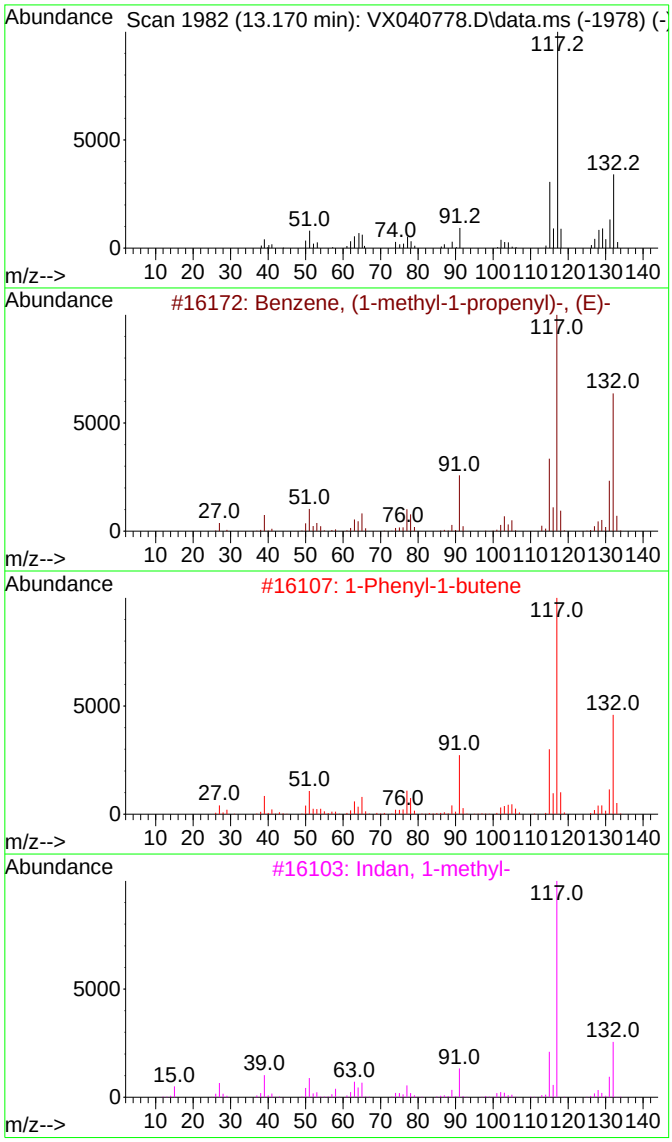
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

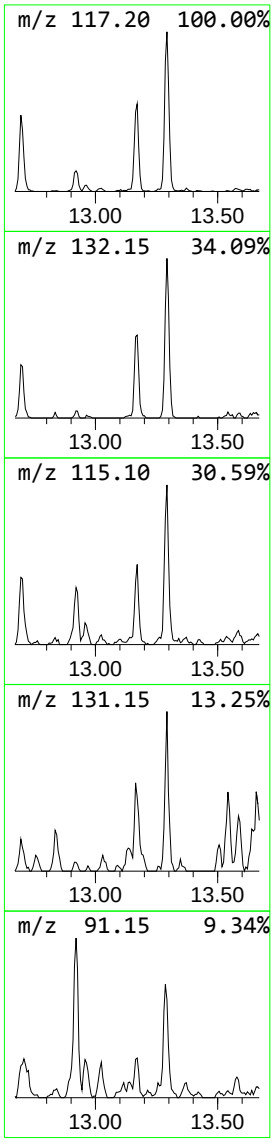
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, (1-methyl-1-propen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.170	5.19 ug/l	53366	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	80
3	Indan, 1-methyl-	132	C10H12	000767-58-8	76
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	72
5	Indan, 1-methyl-	132	C10H12	000767-58-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

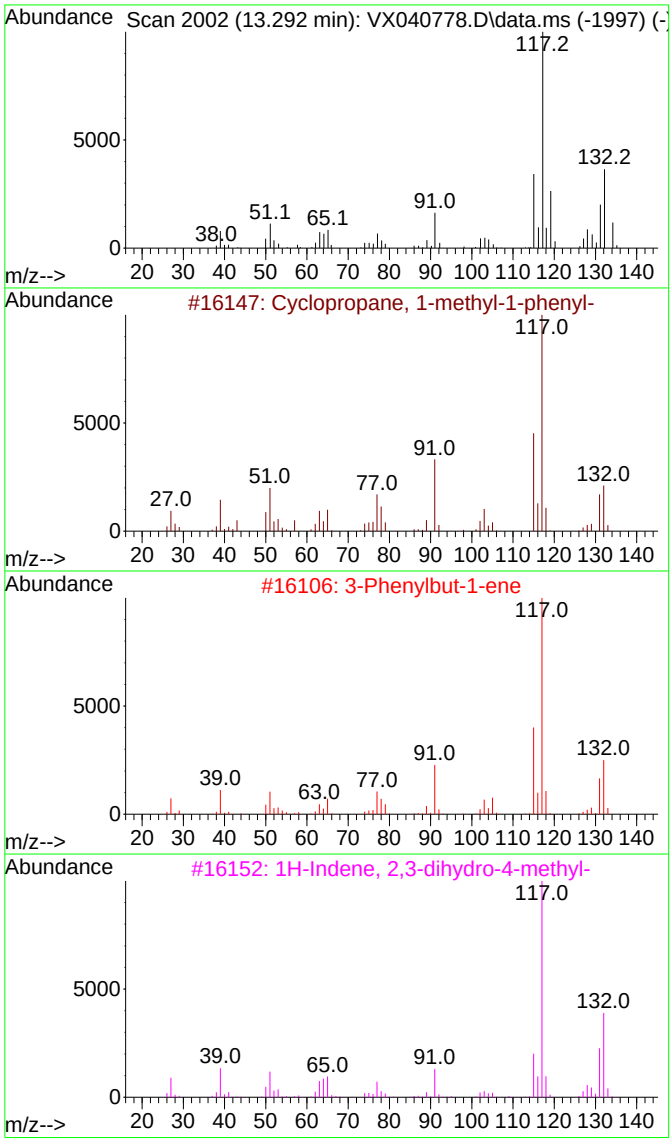
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

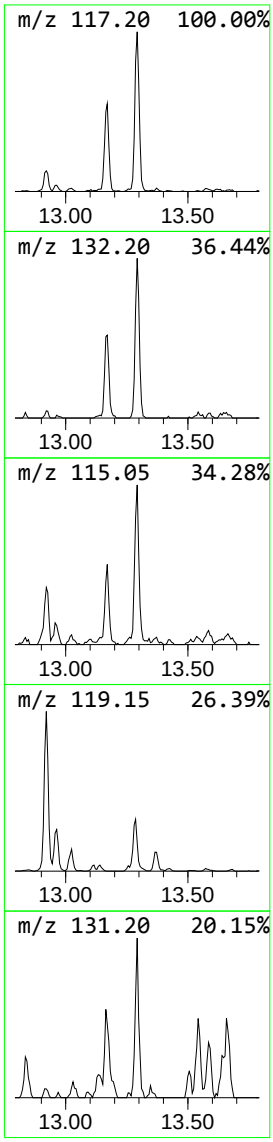
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclopropane, 1-methyl-1-ph... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	14.06 ug/l	144610	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	81
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
Data File : VX040778.D
Acq On : 22 Mar 2024 14:20
Operator : JC/MD
Sample : P1836-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240308028-06

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown3.105	3.105	3.1	ug/l	12565	1	4.897	119988	30.0
Cyclopentane, m...	4.306	10.7	ug/l	42740	1	4.897	119988	30.0
Indane	12.244	10.4	ug/l	106769	3	10.055	308596	30.0
Benzene, 1-meth...	12.609	14.9	ug/l	153814	3	10.055	308596	30.0
Indan, 1-methyl-	12.695	6.3	ug/l	64318	3	10.055	308596	30.0
Benzene, 1,2,4,...	12.920	14.4	ug/l	147658	3	10.055	308596	30.0
Benzene, 1,2,3,...	12.963	3.6	ug/l	36687	3	10.055	308596	30.0
Benzene, (1-met...	13.170	5.2	ug/l	53366	3	10.055	308596	30.0
Cyclopropane, 1...	13.292	14.1	ug/l	144610	3	10.055	308596	30.0