LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-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\624X051524W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VX041569.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.538	71	74	84	rVB	88388	101425	1.69%	0.383%
2	2.386	205	213	227	rBV	541218	969123	16.15%	3.662%
3	2.989	295	312	328	rBV	1774818	4893568	81.53%	18.493%
4	4.605	553	577	610	rBV2	1337278	6002517	100.00%	22.684%
5	4.897	616	625	633	rBV2	53586	164038	2.73%	0.620%
6	5.001	633	642	670	rVB	651097	2081669	34.68%	7.867%
7	5.952	789	798	806	rBV	62557	168306	2.80%	0.636%
8	6.043	806	813	837	rVV5	32076	174750	2.91%	0.660%
9	6.251	840	847	857	rVB2	27650	77013	1.28%	0.291%
10	6.757	921	930	945	rVB	140031	337023	5.61%	1.274%
11	7.458	1029	1045	1066	rBV	42245	109334	1.82%	0.413%
12	8.574	1220	1228	1234	rBV2	35343	71820	1.20%	0.271%
13	8.647	1234	1240	1246	rBV	293178	458123	7.63%	1.731%
14	8.714	1246	1251	1260	rVB2	89545	150624	2.51%	0.569%
15	8.805	1260	1266	1270	rBV	44518	70558	1.18%	0.267%
16	9.378	1352	1360	1366	rBV	119857	183412	3.06%	0.693%
17	10.055	1460	1471	1483	rBV	305392	541530	9.02%	2.046%
18	10.195	1489	1494	1500	rBV2	130823	199071	3.32%	0.752%
19	10.299	1504	1511	1518	rVB	129401	197345	3.29%	0.746%
20	10.640	1563	1567	1572	rBV	88994	114585	1.91%	0.433%
21	10.957	1613	1619	1626	rVB2	33029	60133	1.00%	0.227%
22	11.079	1634	1639	1645	rBV	272847	372809	6.21%	1.409%
23	11.311	1672	1677	1682	rVB3	37248	62325	1.04%	0.236%
24	11.506	1705	1709	1715	rVB	54315	80597	1.34%	0.305%
25	11.750	1745	1749	1753	rVB	61647	76485	1.27%	0.289%
26	11.884	1767	1771	1779	rVB	64885	82429	1.37%	0.312%
27	12.006	1787	1791	1794	rBV	73815	95516	1.59%	0.361%
28	12.097	1800	1806	1811	rBV2	139805	222094	3.70%	0.839%
29	12.244	1822	1830	1835	rBV2	58301	102356	1.71%	0.387%
30	12.579	1881	1885	1889	rVB	84705	106869	1.78%	0.404%
31	12.762	1908	1915	1920	rBV2	262951	368313	6.14%	1.392%
32	12.902	1927	1938	1944	rBV	1183393	1573484	26.21%	5.946%
33	12.963	1944	1948	1958	rVB4	79488	149892	2.50%	0.566%
34	13.213	1985	1989	1995	rVB2	60754	104114	1.73%	0.393%
35	13.335	2005	2009	2013	rBV	148352	201207	3.35%	0.760%
36	13.475	2027	2032	2034	rBV2	223954	342303	5.70%	1.294%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-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\624X051524W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

37	13.512	2034	2038	2045	rVV	2194723	2923017	48.70%	11.046%
38	13.591	2045	2051	2059	rVB3	398125	625622	10.42%	2.364%
39	13.731	2070	2074	2077	rBV	224676	273524	4.56%	1.034%
40	13.774	2077	2081	2089	rVB	629659	752302	12.53%	2.843%
41	13.932	2100	2107	2113	rBV3	54320	126329	2.10%	0.477%
42	14.097	2128	2134	2146	rBV	322876	505878	8.43%	1.912%
43	14.633	2220	2222	2232	rVB	60265	106069	1.77%	0.401%
44	14.780	2239	2246	2258	rVB2	49052	81996	1.37%	0.310%

Sum of corrected areas: 26461497

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
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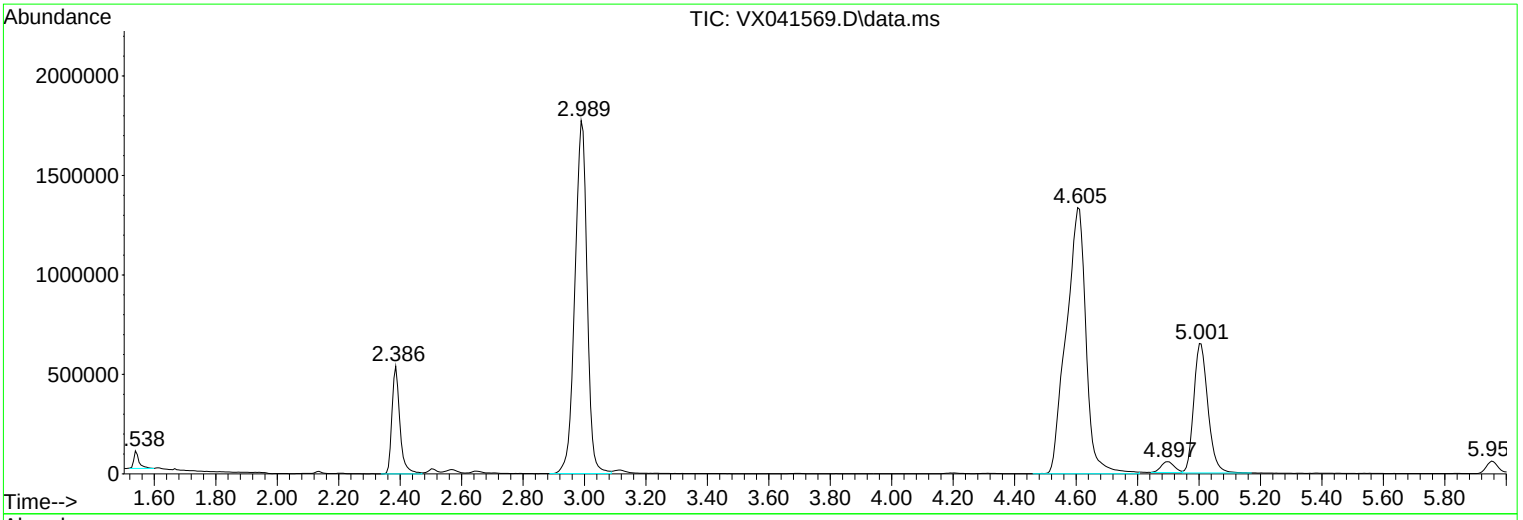
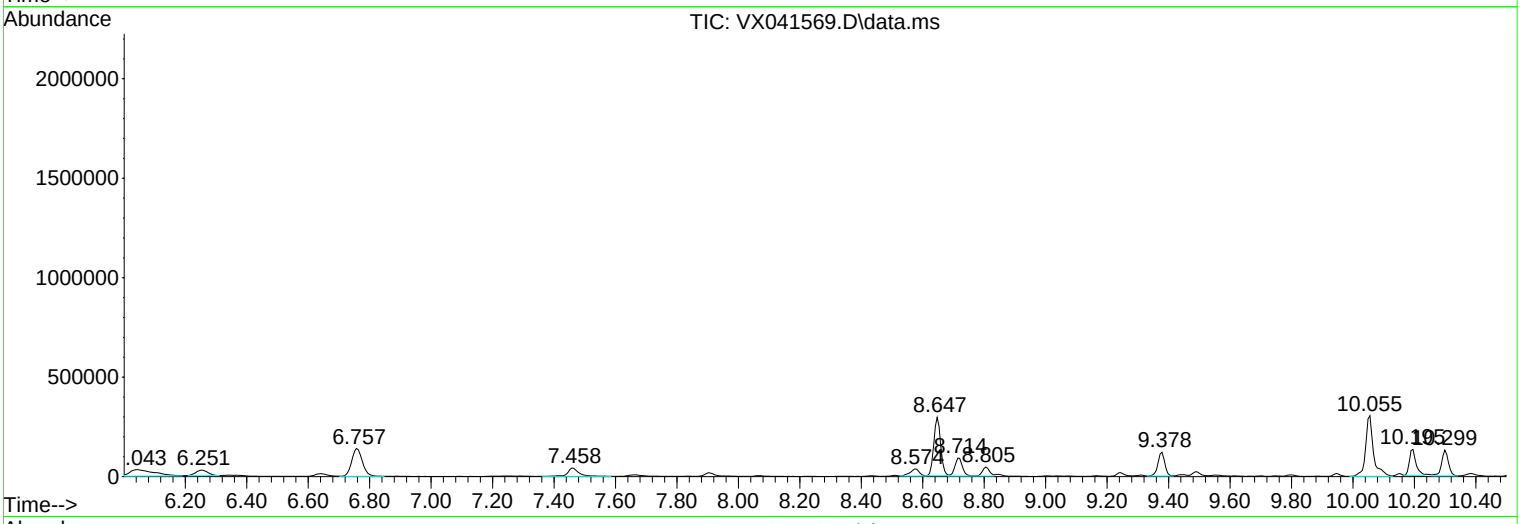
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

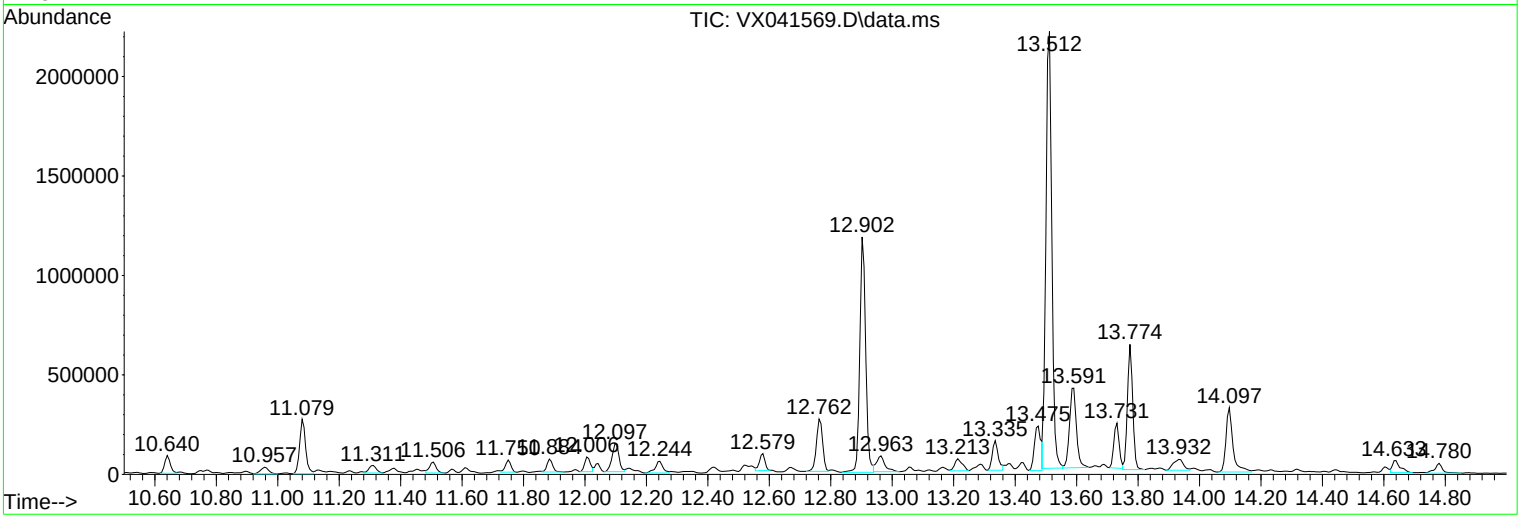
Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.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\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

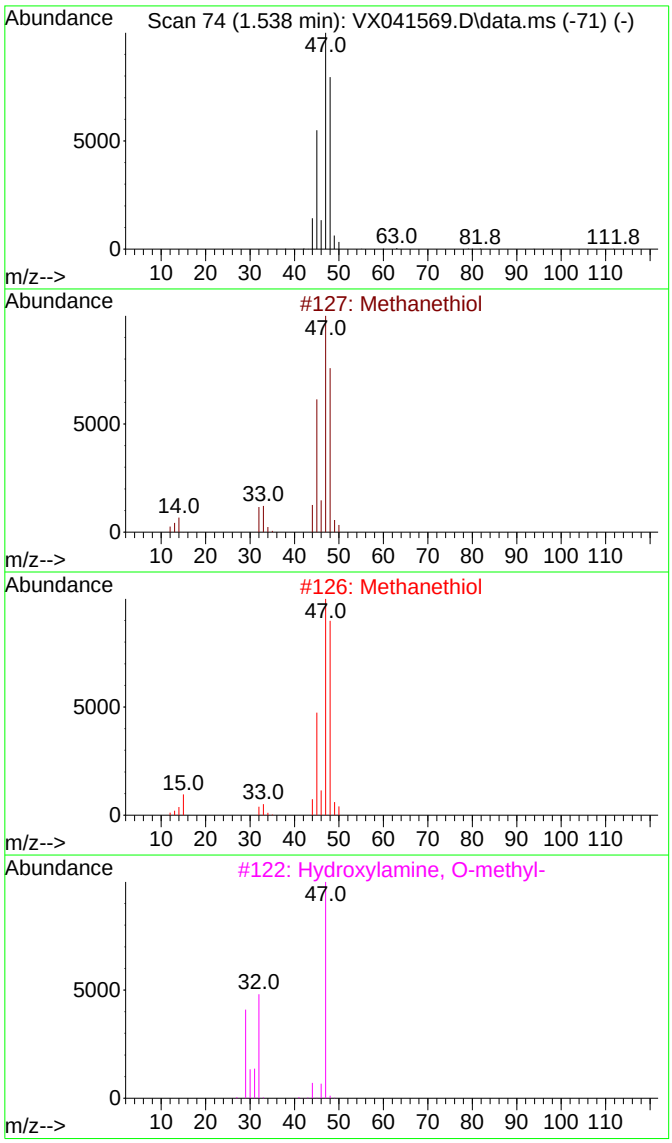
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

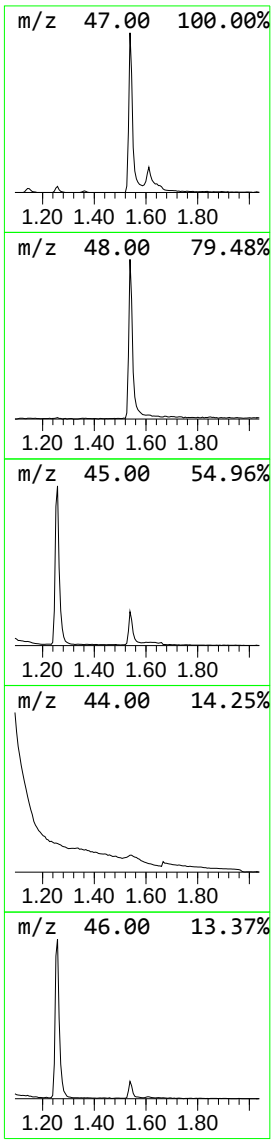
****

Peak Number 1 Methanethiol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.538	18.55 ug/l	101425	Bromochloromethane	4.903

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	91
2	Methanethiol	48	CH4S	000074-93-1	90
3	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	7
4	Methane, chloromethoxy-	80	C2H5ClO	000107-30-2	4
5	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

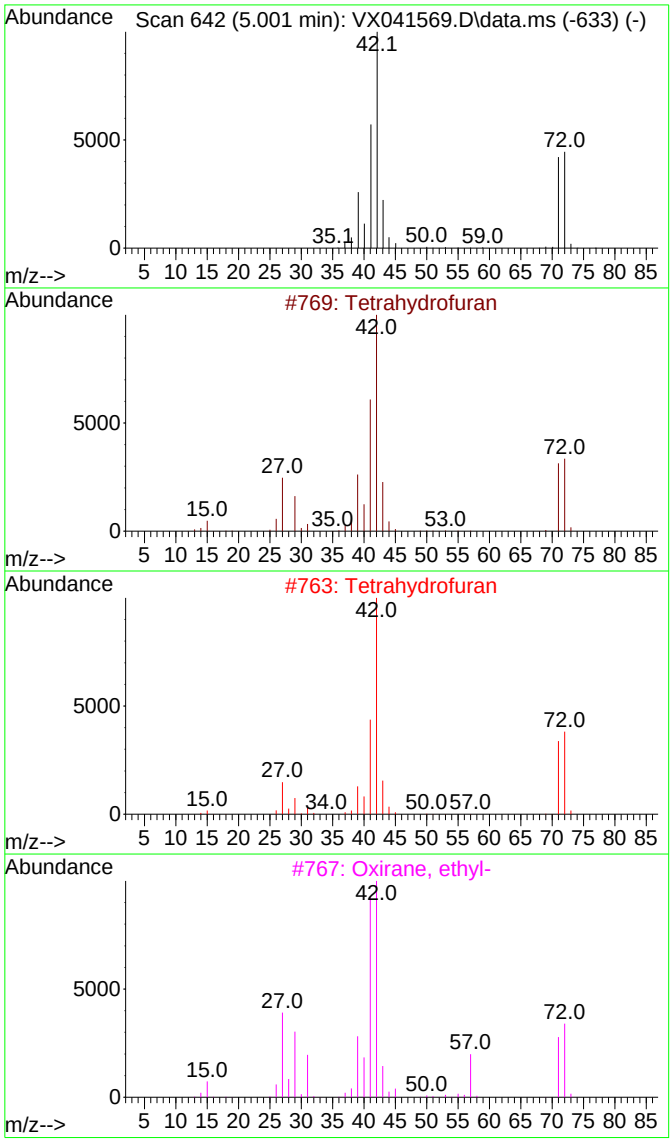
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

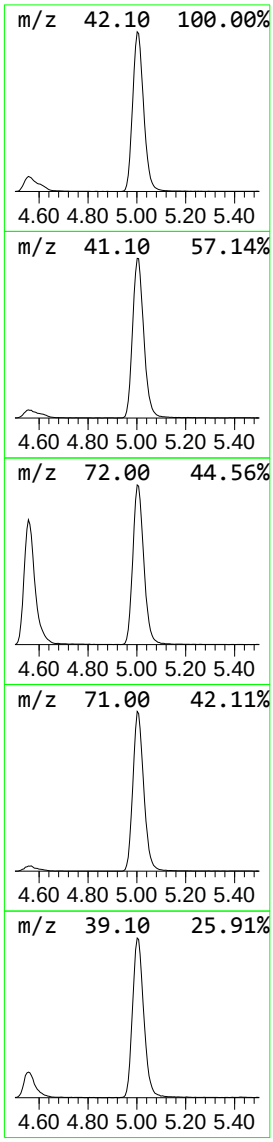
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Tetrahydrofuran Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.001	380.70 ug/l	2081670	Bromochloromethane	4.903

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	Oxirane, ethyl-	72	C4H8O	000106-88-7	64
4	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	58
5	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

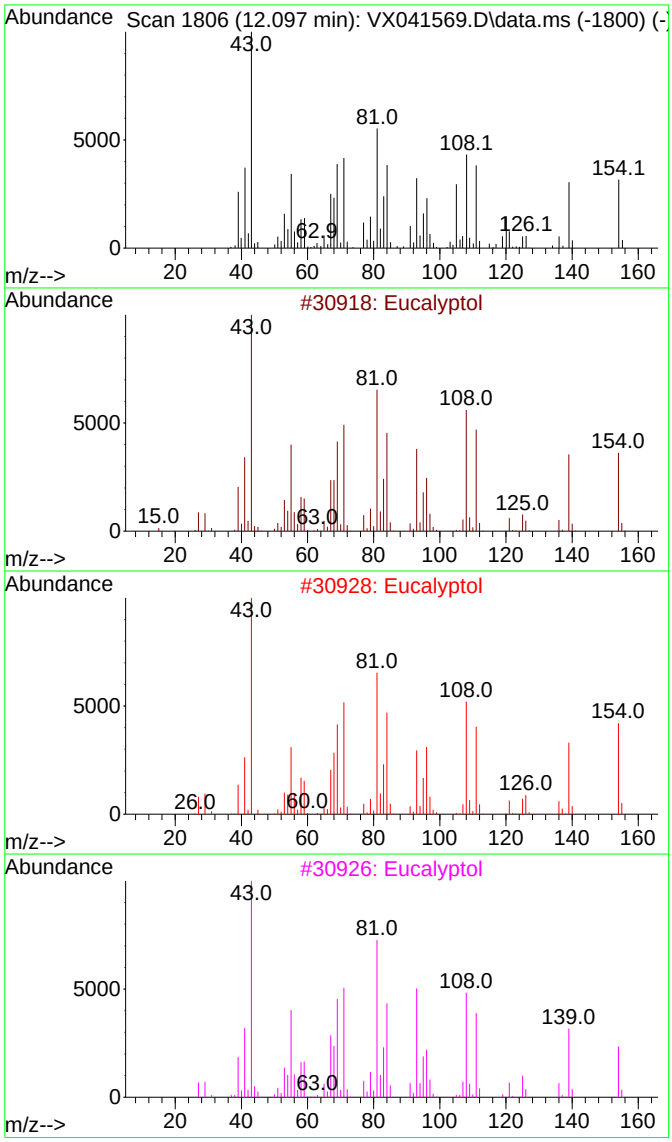
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

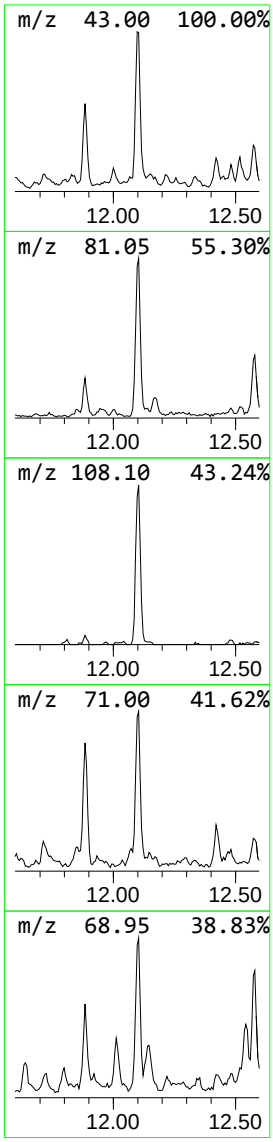
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Eucalyptol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.097	12.30 ug/l	222094	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	99
2	Eucalyptol	154	C10H18O	000470-82-6	98
3	Eucalyptol	154	C10H18O	000470-82-6	91
4	Eucalyptol	154	C10H18O	000470-82-6	87
5	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

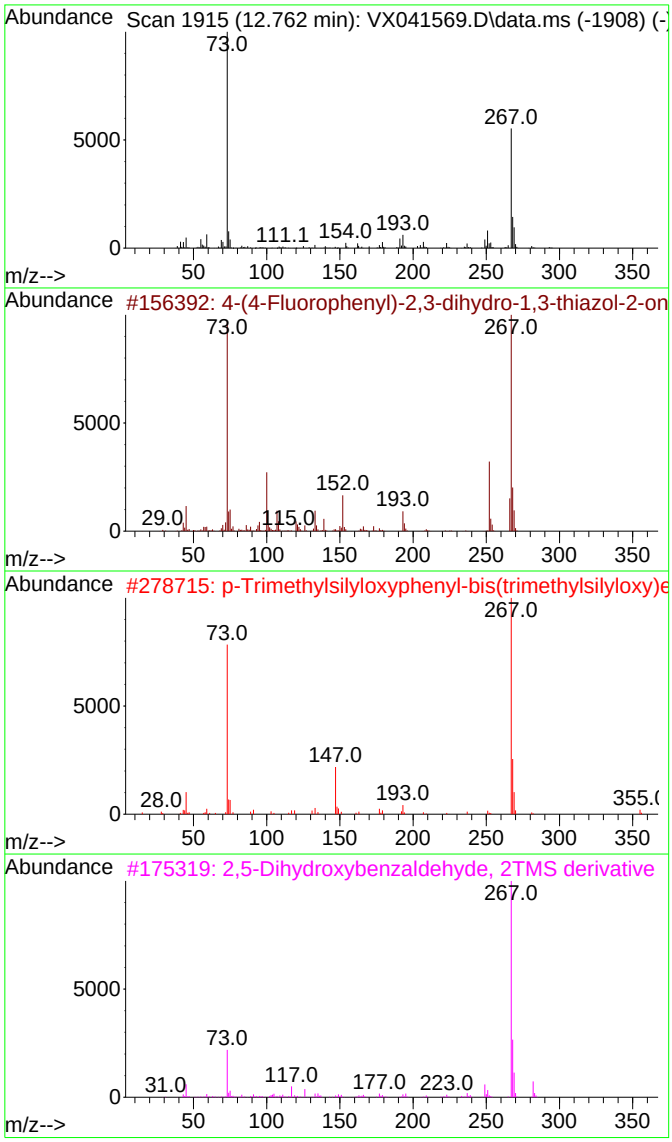
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

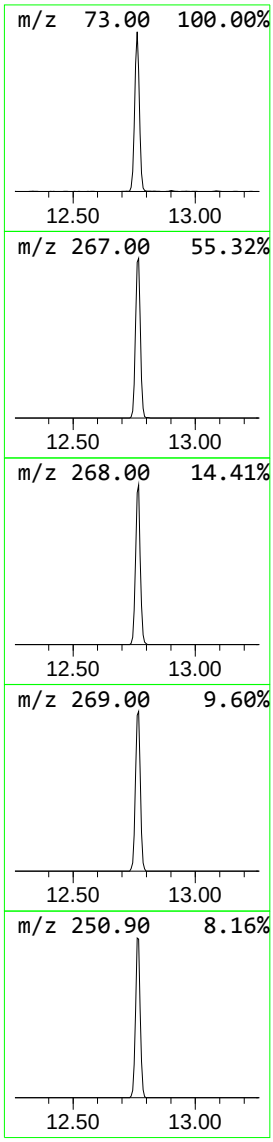
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4-(4-Fluorophenyl)-2,3-dihy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.762	20.40 ug/l	368313	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Fluorophenyl)-2,3-dihydro-1...	267	C12H14FNOSSi	1010501-61-0	64
2	p-Trimethylsilyloxyphenyl-bis(tr...	370	C17H34O3Si3	1000079-08-1	64
3	2,5-Dihydroxybenzaldehyde, 2TMS ...	282	C13H22O3Si2	056114-69-3	64
4	9-Acridinol, trimethylsilyl ether	267	C16H17NOSi	1000463-65-5	58
5	3-Hydroxymandelic acid, ethyl es...	340	C16H28O4Si2	1000071-88-9	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

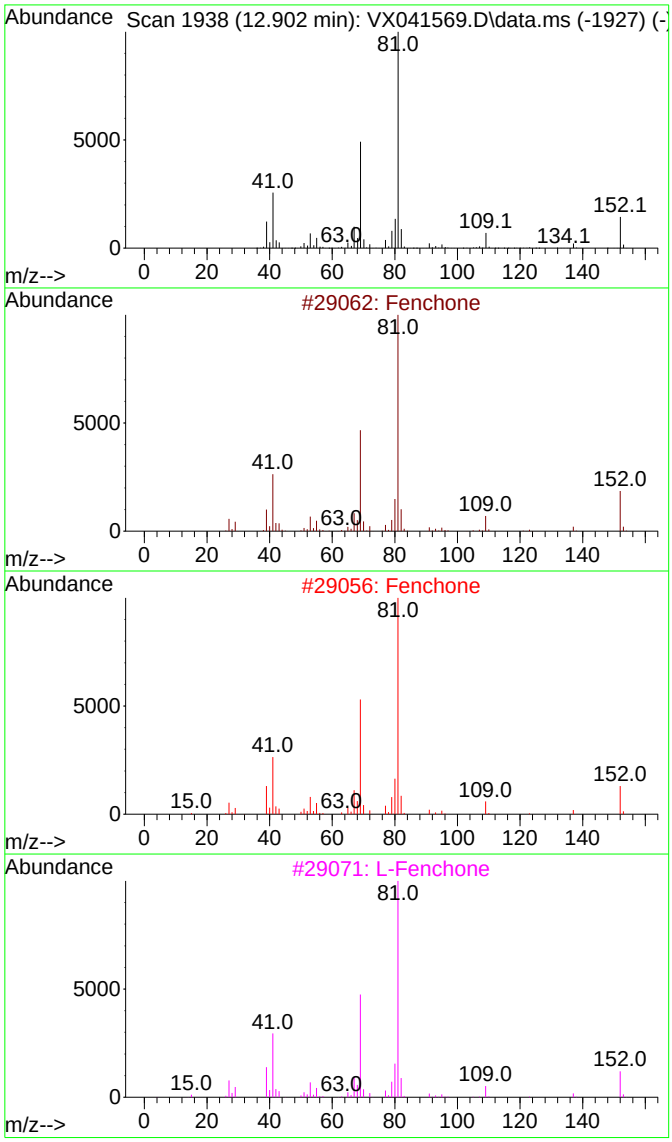
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

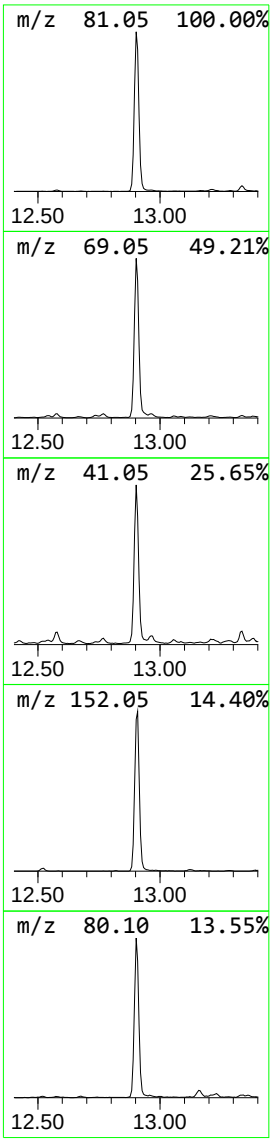
****

Peak Number 5 Fenchone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.902	87.17 ug/l	1573480	Chlorobenzene-d5	10.055

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

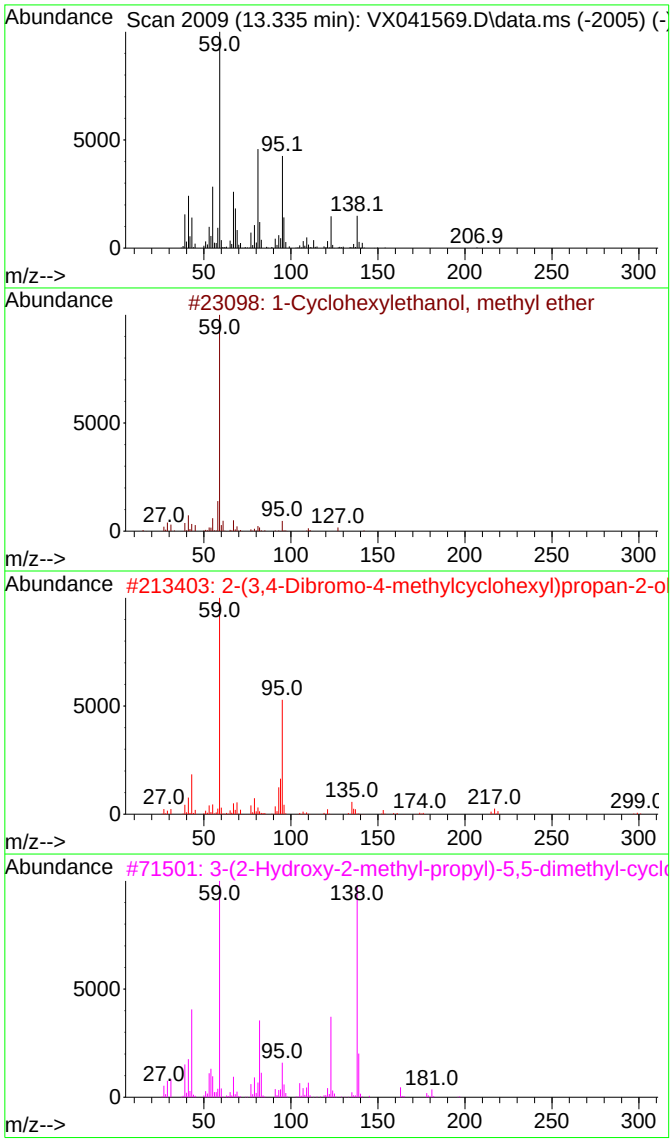
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

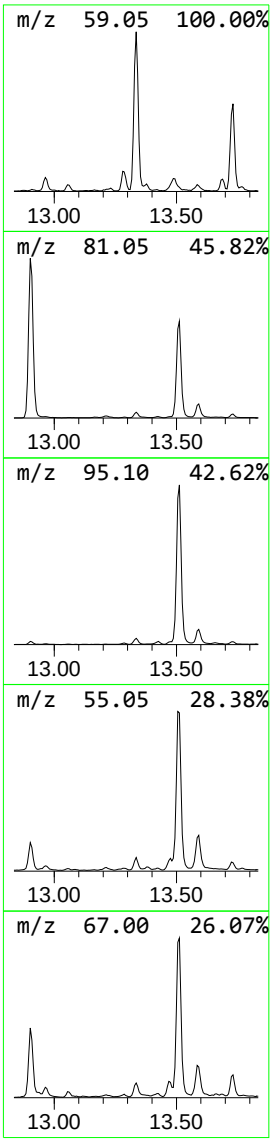
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1-Cyclohexylethanol, methyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.335	11.15 ug/l	201207	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexylethanol, methyl ether	142	C9H18O	1000365-12-8	53
2	2-(3,4-Dibromo-4-methylcyclohexy...	312	C10H18Br2O	110202-13-6	40
3	3-(2-Hydroxy-2-methyl-propyl)-5,...	196	C12H20O2	077822-60-7	40
4	Succinic acid, tridec-2-yn-1-yl ...	354	C20H34O5	1000390-75-1	38
5	2,2-Dimethyl-4-hydroxymethyl-5-(...	198	C11H18O3	1000284-41-5	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

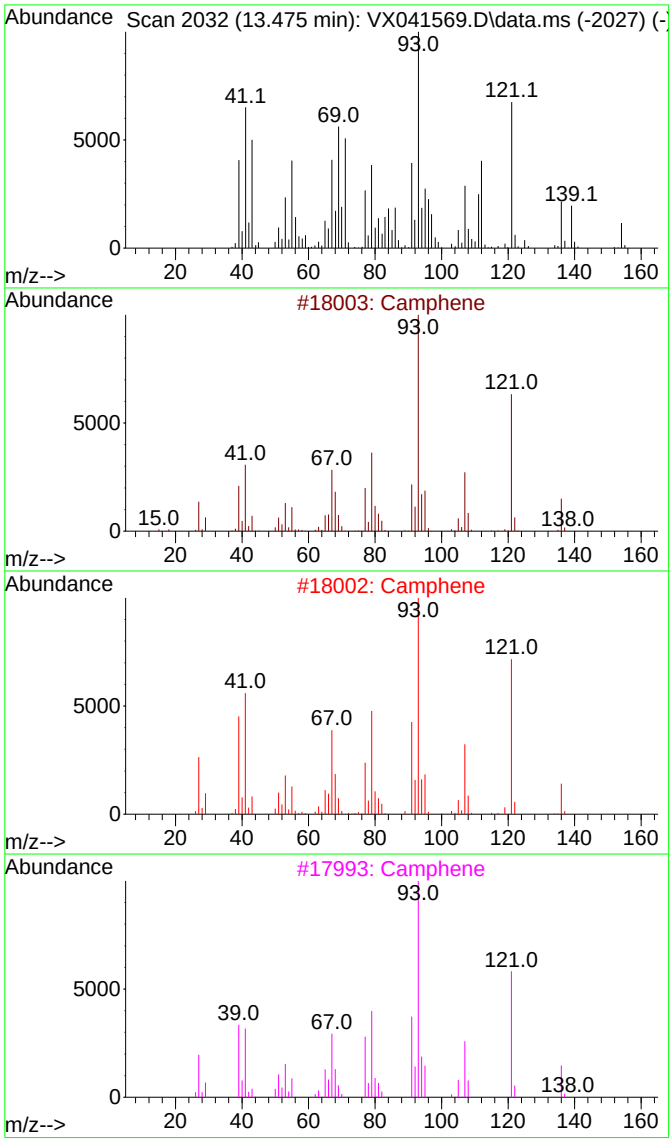
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

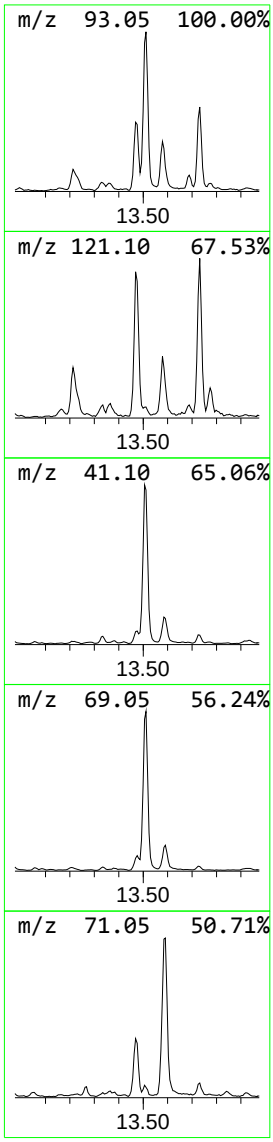
****

Peak Number 7 Camphene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.475	18.96 ug/l	342303	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	70
2	Camphene	136	C10H16	000079-92-5	45
3	Camphene	136	C10H16	000079-92-5	43
4	Cyclohexane, 1-methylene-4-(1-me...	136	C10H16	000499-97-8	41
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	41





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

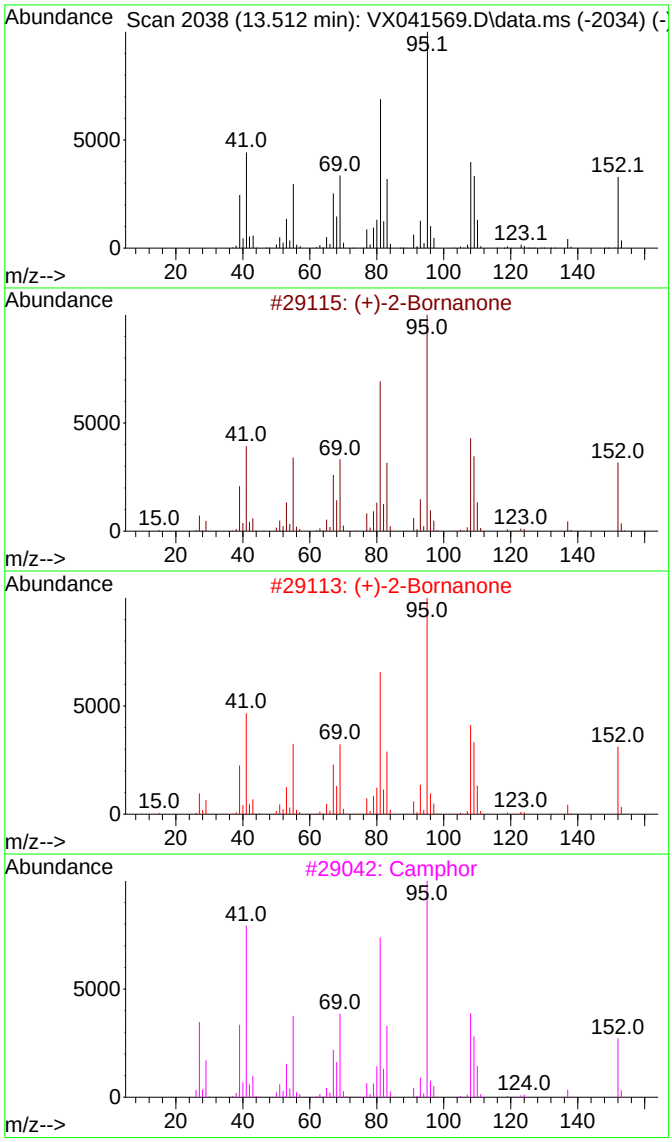
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

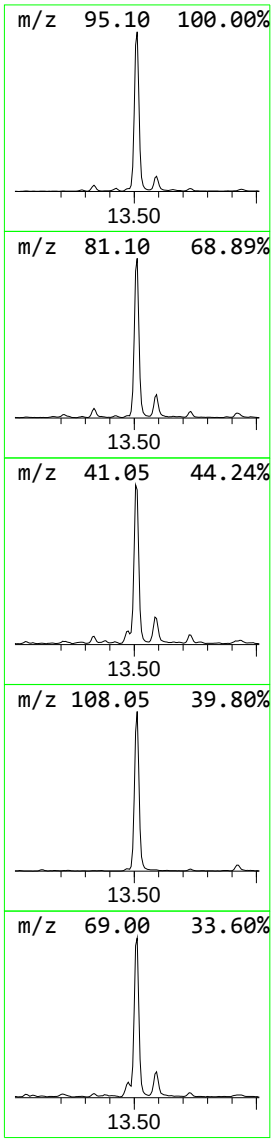
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (+)-2-Bornanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.512	161.93 ug/l	2923020	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
3	Camphor	152	C10H16O	000076-22-2	98
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	96





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Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

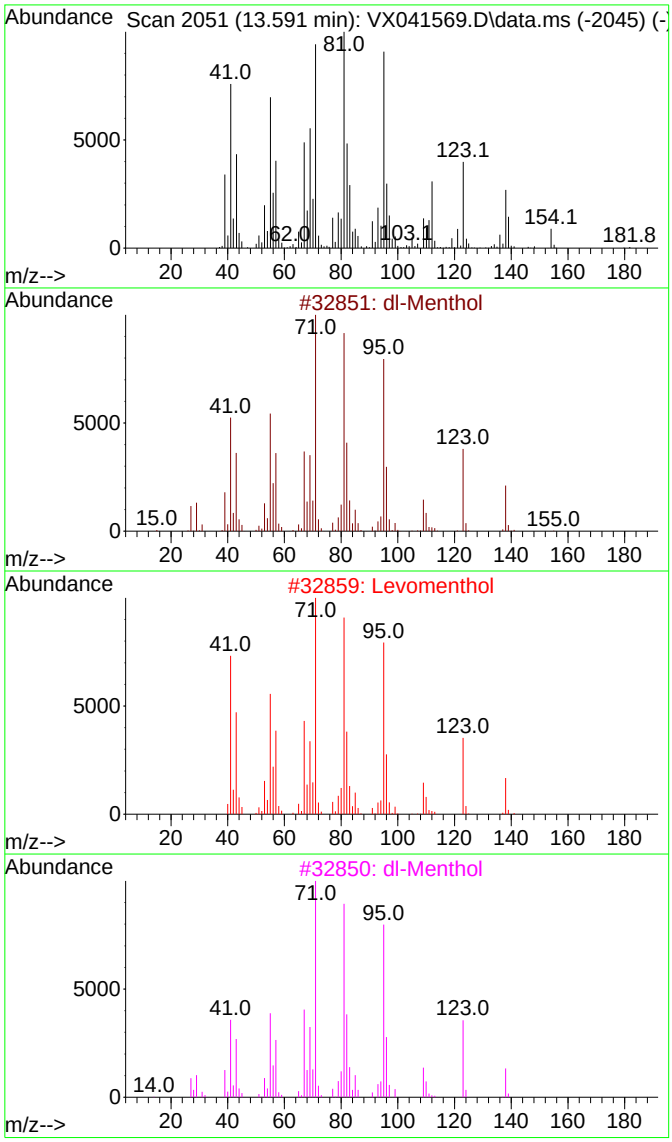
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

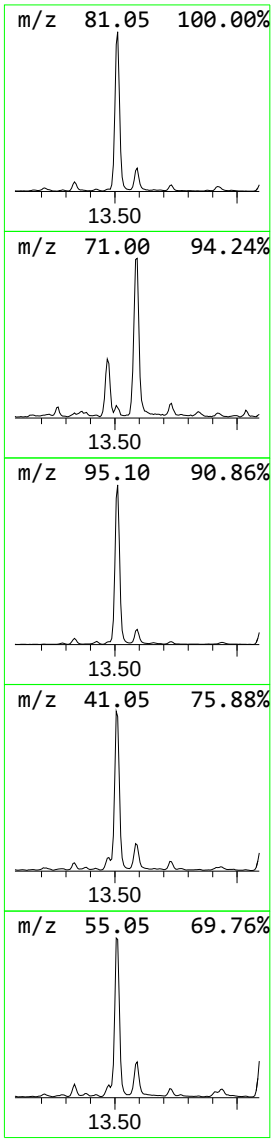
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 dl-Menthol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.591	34.66 ug/l	625622	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-Menthol	156	C10H20O	000089-78-1	90
2	Levomenthol	156	C10H20O	002216-51-5	90
3	dl-Menthol	156	C10H20O	000089-78-1	87
4	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	001490-04-6	87
5	Levomenthol	156	C10H20O	002216-51-5	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

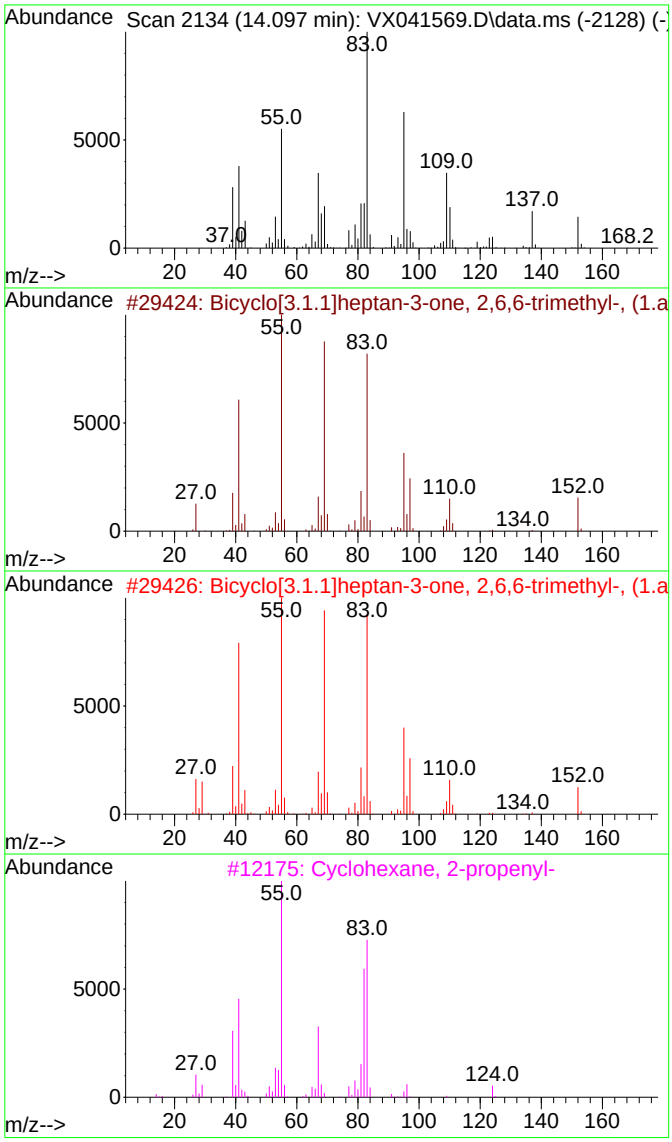
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

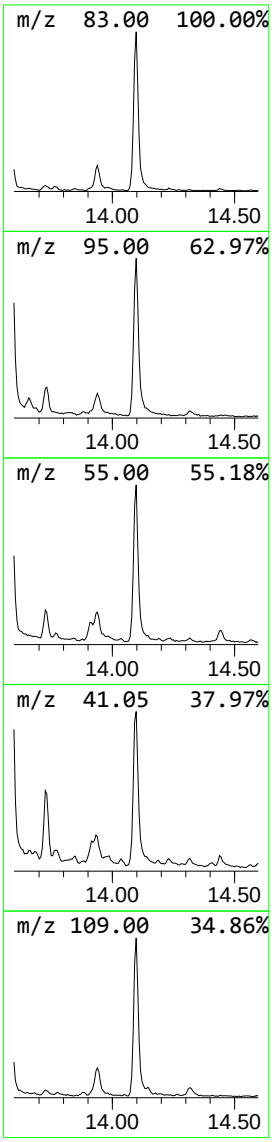
****

Peak Number 10 unknown14.097 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	28.02 ug/l	505878	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	49
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	49
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	38
4	2-Cyclohexen-1-one, 4-ethyl-3,4-...	152	C10H16O	017622-46-7	38
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041569.D
Acq On : 16 May 2024 17:24
Operator : JC/MD
Sample : P2502-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240515064-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.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
Methanethiol	1.538	18.6	ug/l	101425	1	4.903	164038	30.0
Tetrahydrofuran	5.001	380.7	ug/l	2081670	1	4.903	164038	30.0
Eucalyptol	12.097	12.3	ug/l	222094	3	10.055	541530	30.0
4-(4-Fluorophen...	12.762	20.4	ug/l	368313	3	10.055	541530	30.0
Fenchone	12.902	87.2	ug/l	1573480	3	10.055	541530	30.0
1-Cyclohexyleth...	13.335	11.2	ug/l	201207	3	10.055	541530	30.0
Camphene	13.475	19.0	ug/l	342303	3	10.055	541530	30.0
(+)-2-Bornanone	13.512	161.9	ug/l	2923020	3	10.055	541530	30.0
dl-Menthol	13.591	34.7	ug/l	625622	3	10.055	541530	30.0
unknown14.097	14.097	28.0	ug/l	505878	3	10.055	541530	30.0