LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 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: VX033709.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	208	214	223	rBV	31294	55969	1.61%	0.402%
2	2.989	297	312	344	rBV	882929	3479074	100.00%	25.000%
3	4.574	551	572	587	rBV	958063	3245238	93.28%	23.320%
4	4.898	617	625	632	rBV3	25645	72589	2.09%	0.522%
5	5.007	632	643	669	rVB	621358	1949998	56.05%	14.013%
6	5.952	789	798	806	rBV	35637	93712	2.69%	0.673%
7	6.038	806	812	818	rVV2	17678	43717	1.26%	0.314%
8	6.251	837	847	856	rBV3	23055	78242	2.25%	0.562%
9	6.757	922	930	943	rVB	90227	214104	6.15%	1.539%
10	7.903	1110	1118	1125	rBV2	19221	37623	1.08%	0.270%
11	8.568	1221	1227	1234	rBV4	20516	45728	1.31%	0.329%
12	8.647	1234	1240	1246	rBV	167198	260288	7.48%	1.870%
13	8.714	1246	1251	1260	rVB2	74195	126239	3.63%	0.907%
14	8.805	1260	1266	1271	rBV	53379	89244	2.57%	0.641%
15	9.378	1352	1360	1367	rBV	129167	205288	5.90%	1.475%
16	10.055	1460	1471	1483	rBV	231527	391466	11.25%	2.813%
17	10.201	1490	1495	1504	rVV2	21609	58771	1.69%	0.422%
18	10.299	1506	1511	1517	rVV	130561	184963	5.32%	1.329%
19	10.384	1517	1525	1535	rVB3	14538	35791	1.03%	0.257%
20	10.640	1563	1567	1572	rBV	90525	117662	3.38%	0.846%
21	11.079	1634	1639	1645	rBV	179868	240633	6.92%	1.729%
22	11.378	1682	1688	1694	rVB3	23094	37909	1.09%	0.272%
23	11.750	1746	1749	1753	rVB	38324	45350	1.30%	0.326%
24	11.884	1764	1771	1781	rVB	45174	67761	1.95%	0.487%
25	12.043	1793	1797	1800	rVV	37238	46864	1.35%	0.337%
26	12.104	1800	1807	1812	rVV2	132453	218866	6.29%	1.573%
27	12.244	1824	1830	1840	rBV2	38459	66053	1.90%	0.475%
28	12.421	1853	1859	1863	rBV4	20801	36821	1.06%	0.265%
29	12.543	1872	1879	1881	rBV4	20462	47547	1.37%	0.342%
30	12.579	1881	1885	1895	rVB	114445	154355	4.44%	1.109%
31	12.762	1909	1915	1921	rBV	297826	421852	12.13%	3.031%
32	12.902	1927	1938	1944	rBV	488935	708309	20.36%	5.090%
33	12.963	1944	1948	1958	rVB3	77354	134904	3.88%	0.969%
34	13.286	1995	2001	2005	rBV4	28422	47033	1.35%	0.338%
35	13.384	2011	2017	2021	rBV	23209	36088	1.04%	0.259%
36	13.475	2027	2032	2036	rBV2	106049	168651	4.85%	1.212%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 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

37	13.591	2045	2051	2061	rBV2	335608	531310	15.27%	3.818%
38	13.774	2077	2081	2087	rVB	56475	76978	2.21%	0.553%
39	13.920	2100	2105	2113	rBV5	19349	43064	1.24%	0.309%

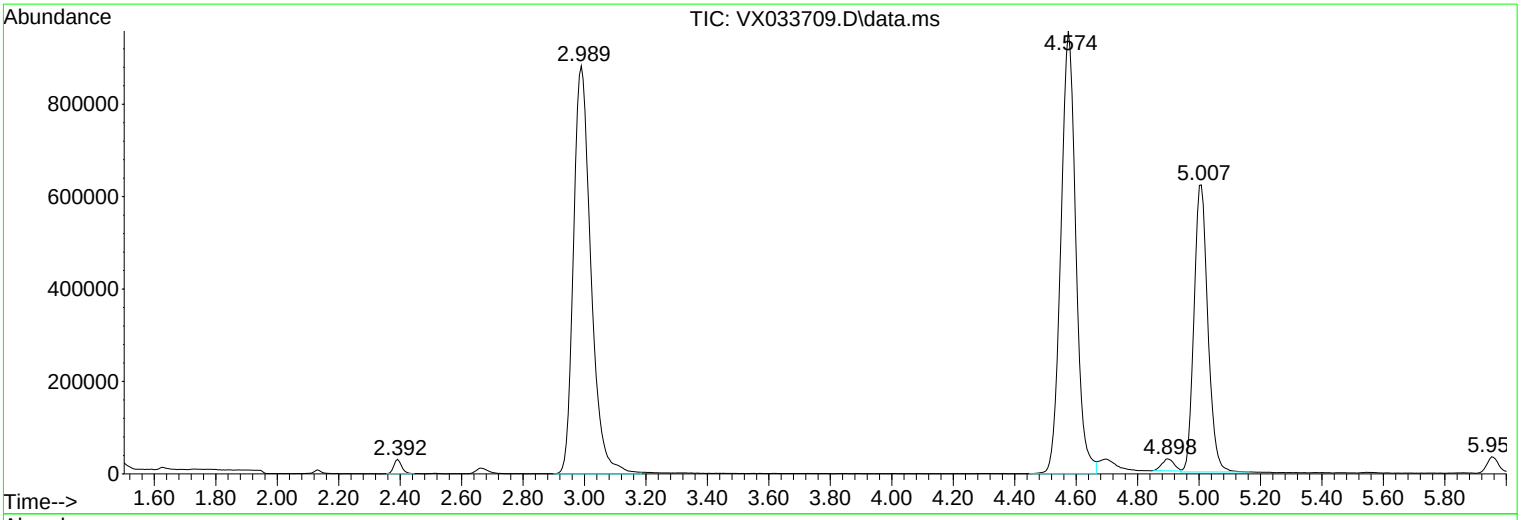
Sum of corrected areas: 13916054

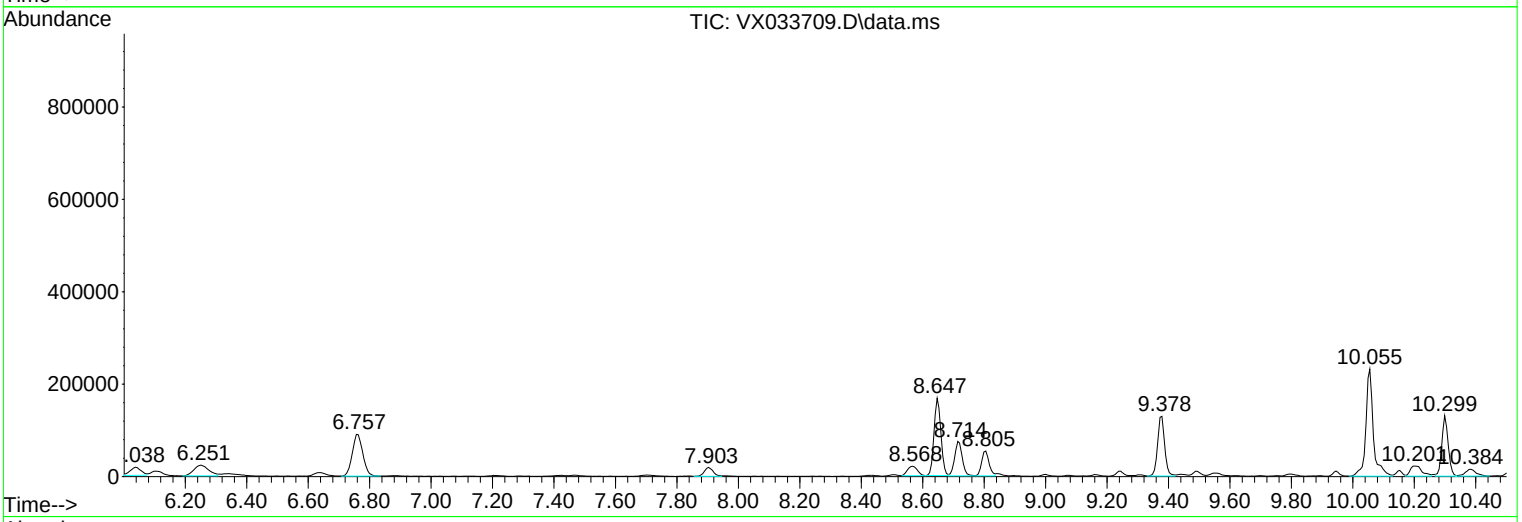
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

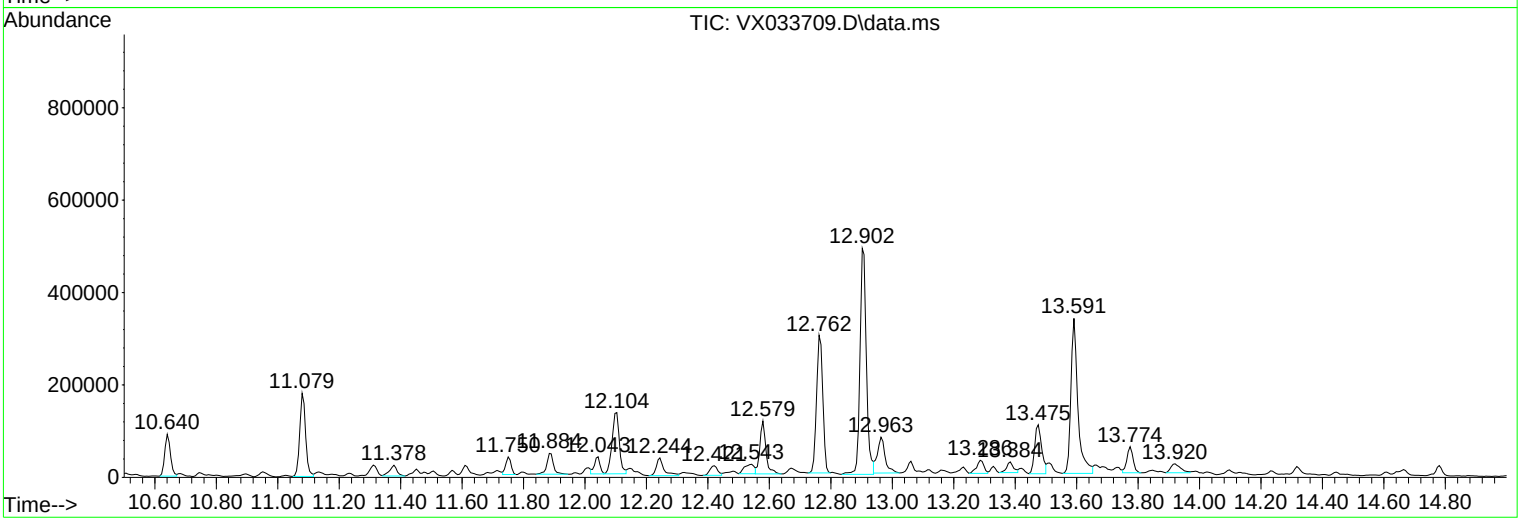
Instrument :
MSVOA_X
ClientSampleId :
230111061-02-VOA

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 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

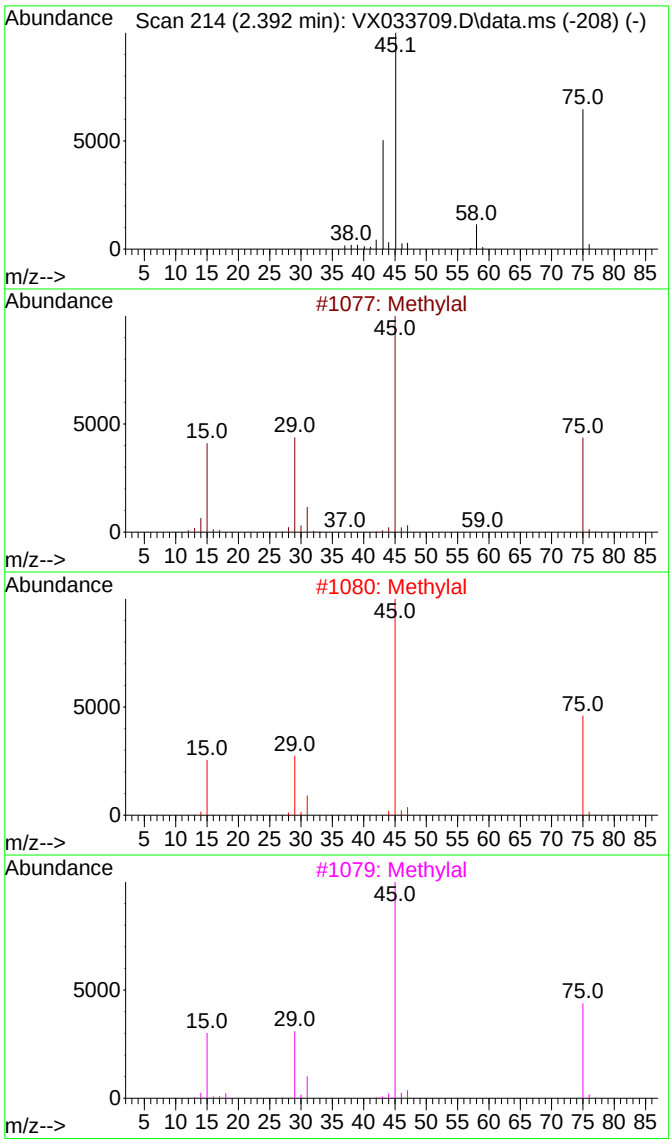
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

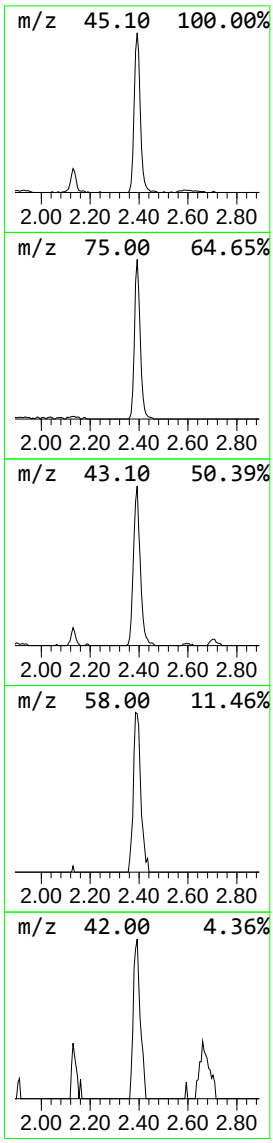
****

Peak Number 1 Methylal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.392	23.13 ug/l	55969	Bromochloromethane	4.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	72
2	Methylal	76	C3H8O2	000109-87-5	72
3	Methylal	76	C3H8O2	000109-87-5	64
4	Methylal	76	C3H8O2	000109-87-5	64
5	2-Hydroxyguanidine	75	CH5N3O	1000489-19-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 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

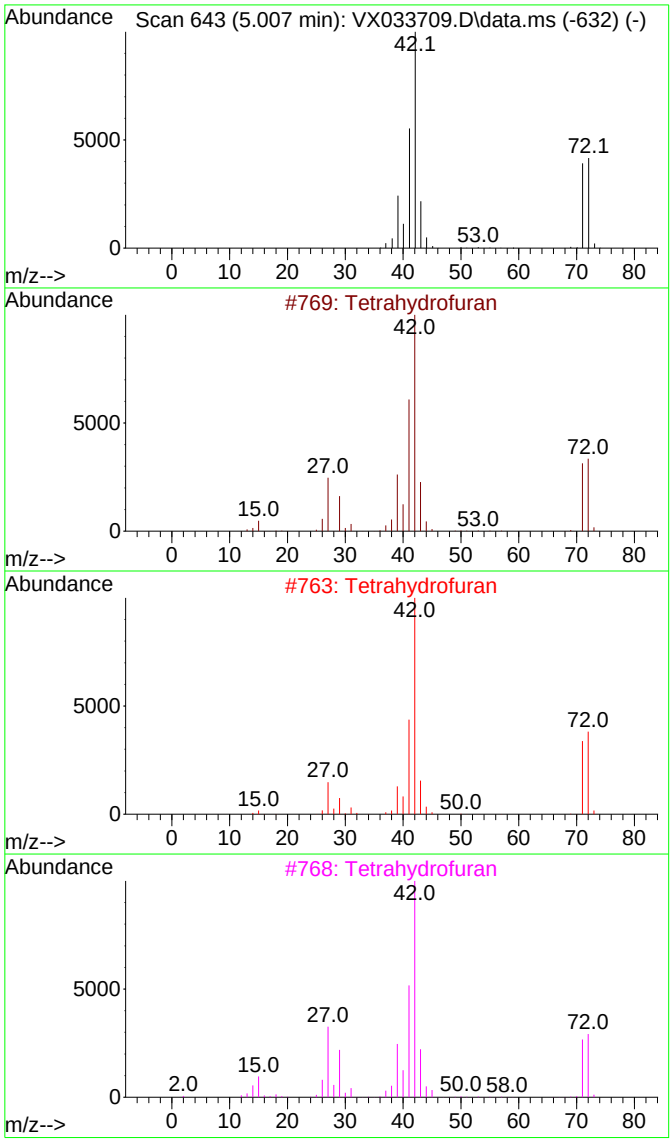
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

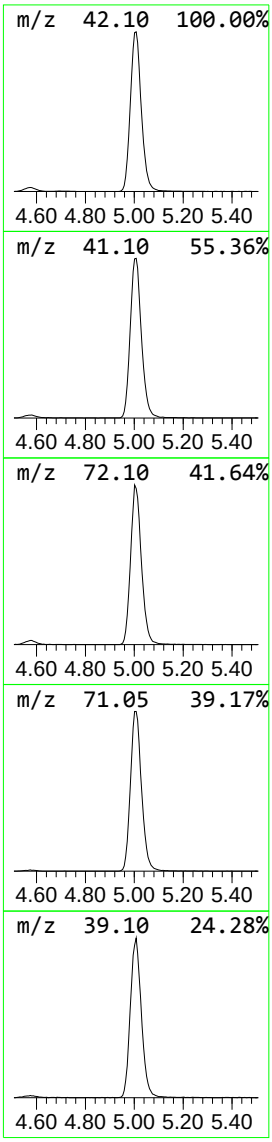
****

Peak Number 3 Tetrahydrofuran Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.007	805.91 ug/l	1950000	Bromochloromethane	4.898

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	83
4	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	64
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
230111061-02-VOA

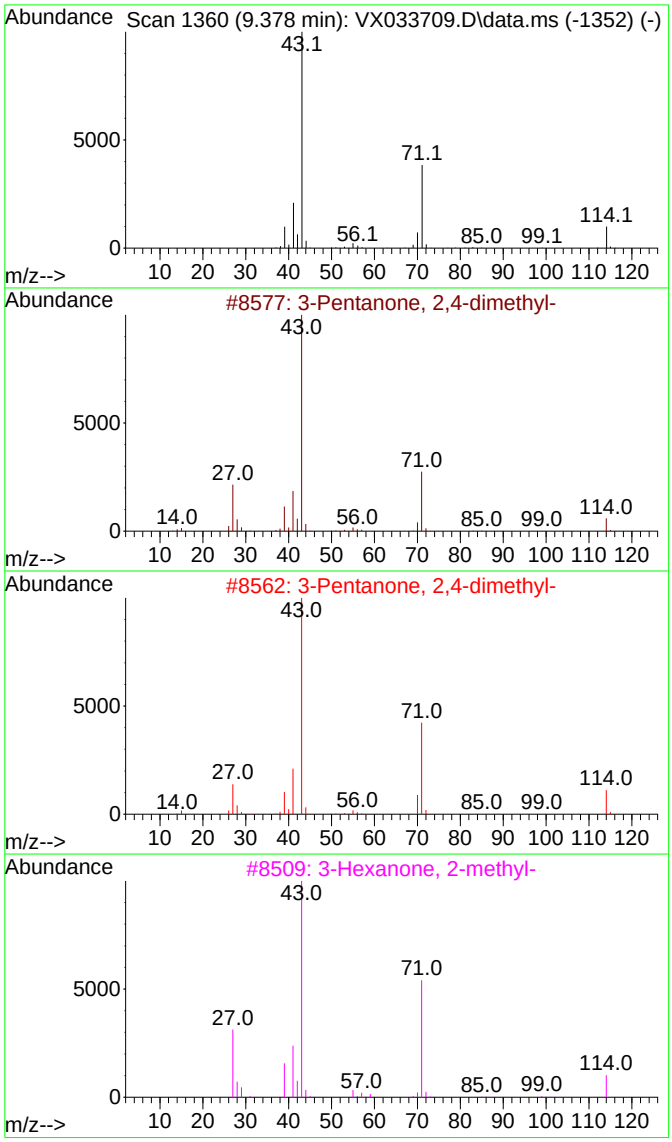
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

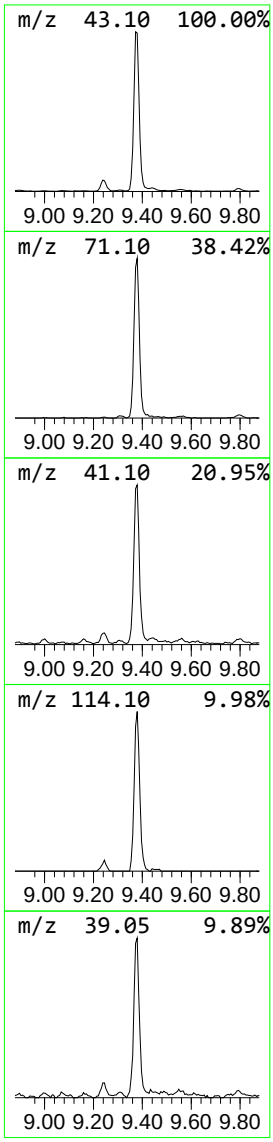
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 3-Pentanone, 2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.378	15.73 ug/l	205288	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	90
2	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
3	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	86
4	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	72
5	2,3-Hexanedione	114	C6H10O2	003848-24-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 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

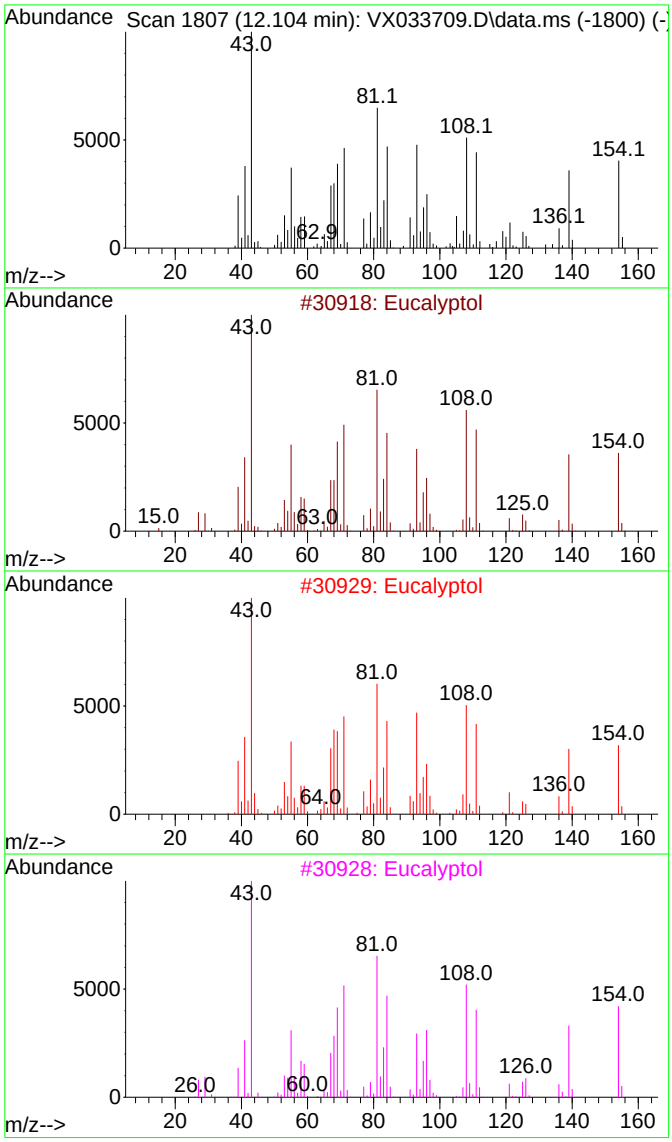
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

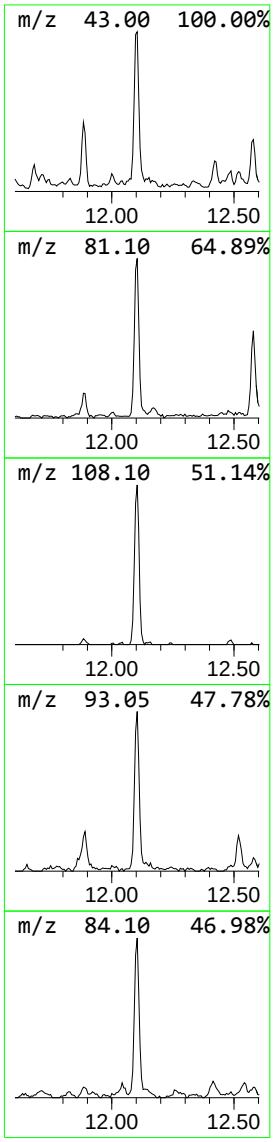
****

Peak Number 5 Eucalyptol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.104	16.77 ug/l	218866	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	98
4	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	90
5	Eucalyptol	154	C10H18O	000470-82-6	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 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

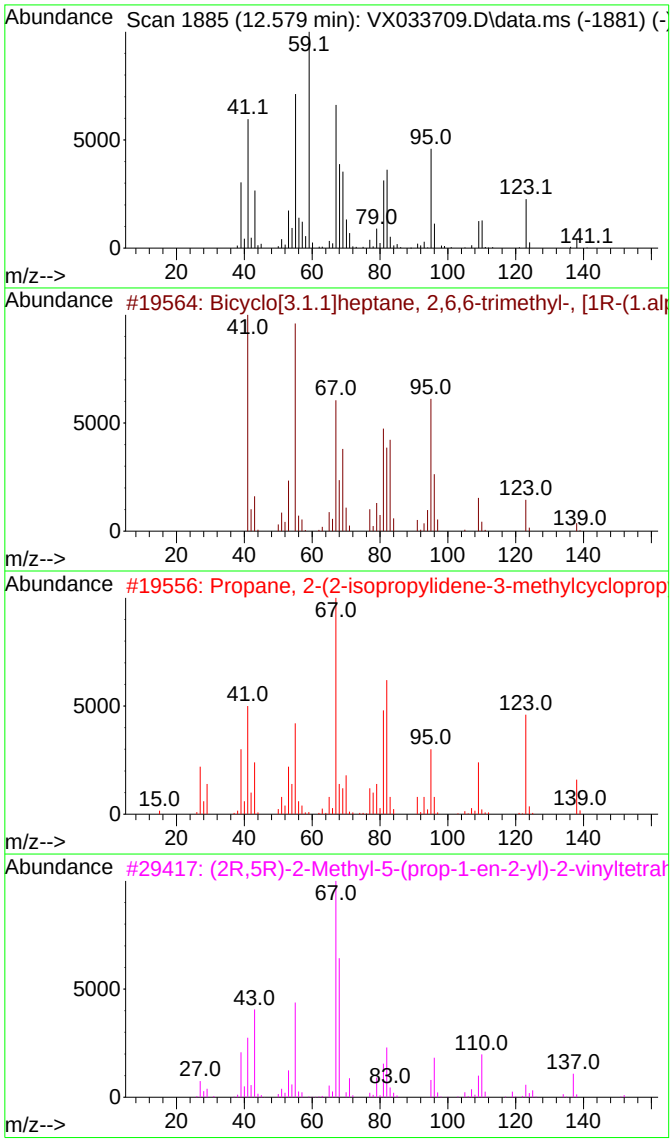
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

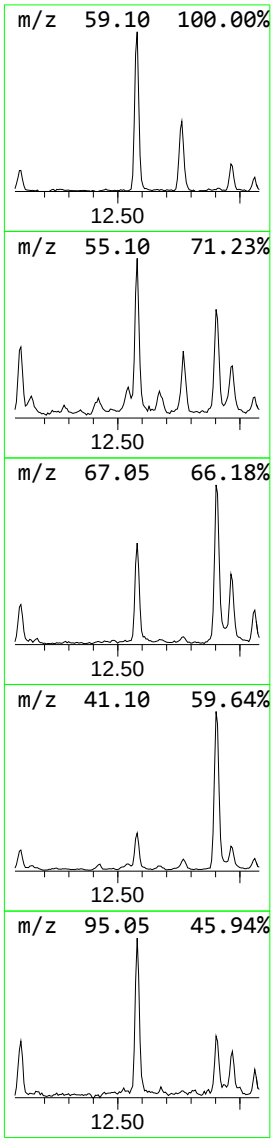
****

Peak Number 6 unknown12.579 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.579	11.83 ug/l	154355	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	43
2	Propane, 2-(2-isopropylidene-3-m...	138	C10H18	024524-51-4	38
3	(2R,5R)-2-Methyl-5-(prop-1-en-2-...	152	C10H16O	054750-70-8	35
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	35
5	3-Nonyne	124	C9H16	020184-89-8	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 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

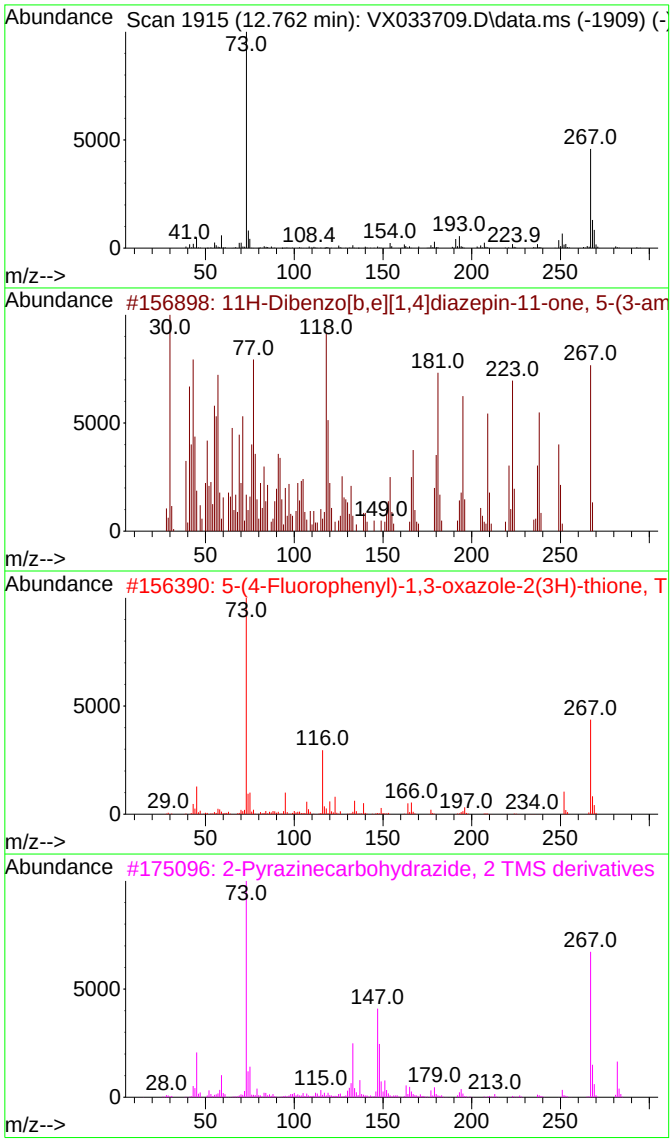
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

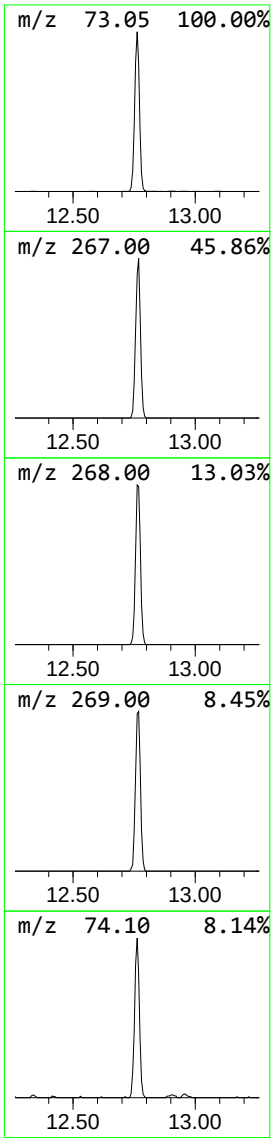
****

Peak Number 7 unknown12.762 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.762	32.33 ug/l	421852	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	46
2	5-(4-Fluorophenyl)-1,3-oxazole-2...	267	C12H14FNOSSi	1000497-07-6	45
3	2-Pyrazinecarbohydrazide, 2 TMS ...	282	C11H22N4OSi2	1000477-45-2	45
4	Benzeneethanamine, N-methyl-.bet...	311	C15H29NO2Si2	029522-18-7	42
5	Salicylic acid, 2TMS derivative	282	C13H22O3Si2	003789-85-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
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Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 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

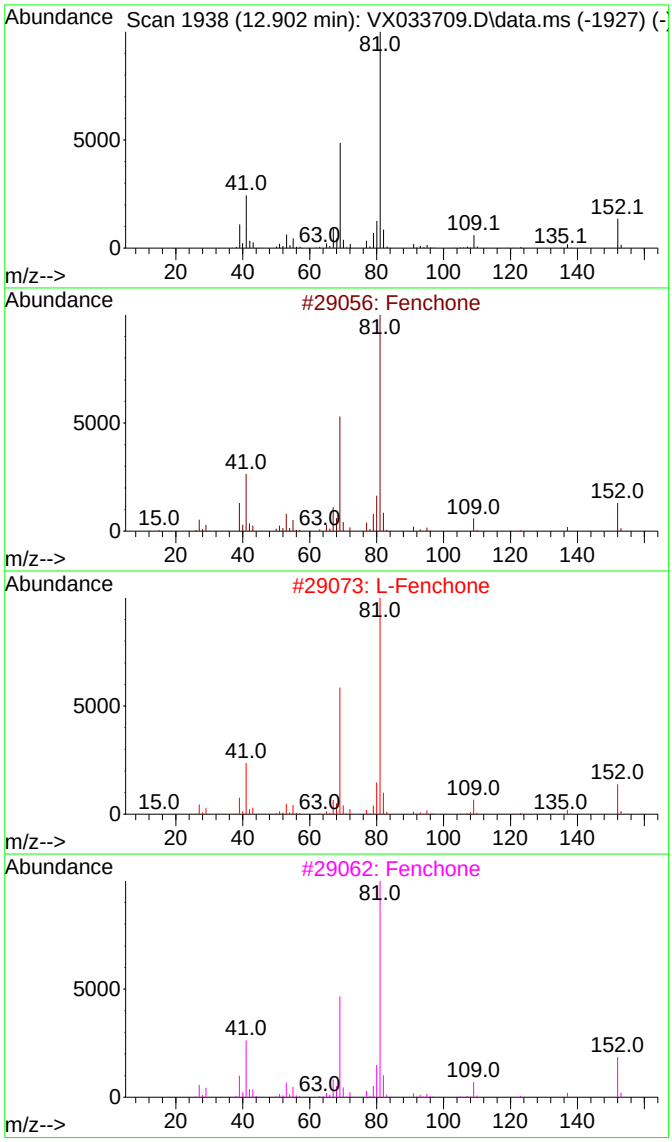
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

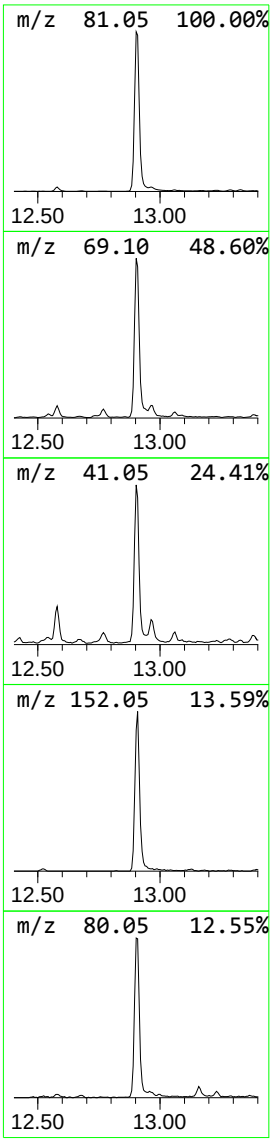
****

Peak Number 8 Fenchone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.902	54.28 ug/l	708309	Chlorobenzene-d5	10.055

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 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

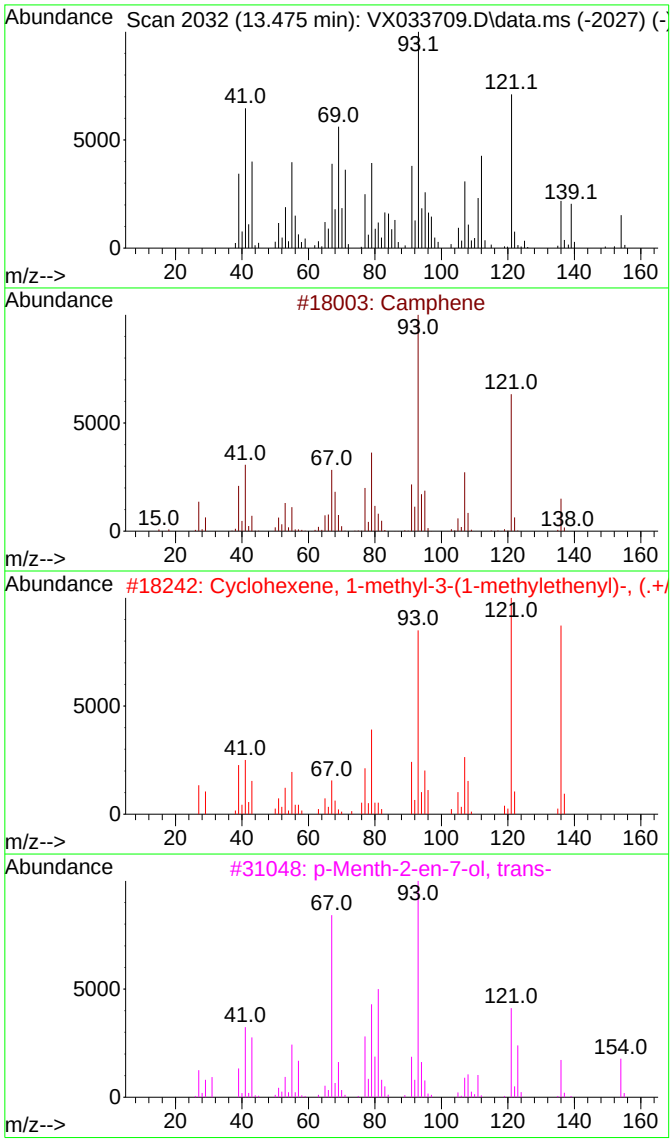
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

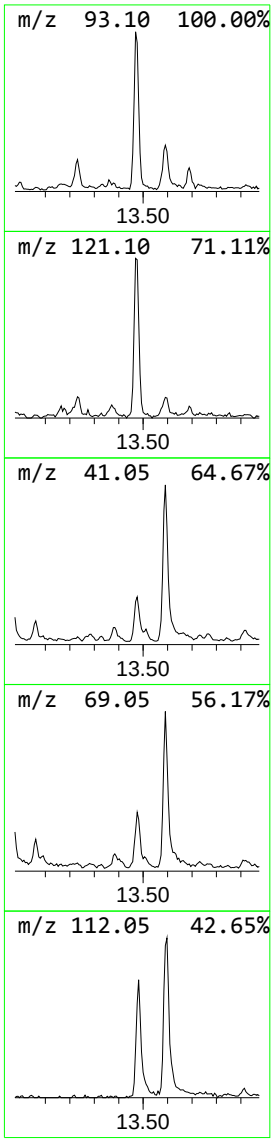
****

Peak Number 9 Camphene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.475	12.92 ug/l	168651	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	93
2	Cyclohexene, 1-methyl-3-(1-methy...	136	C10H16	000499-03-6	70
3	p-Menth-2-en-7-ol, trans-	154	C10H18O	019898-87-4	62
4	Camphene	136	C10H16	000079-92-5	60
5	p-Menth-2-en-7-ol, cis-	154	C10H18O	019898-86-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 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

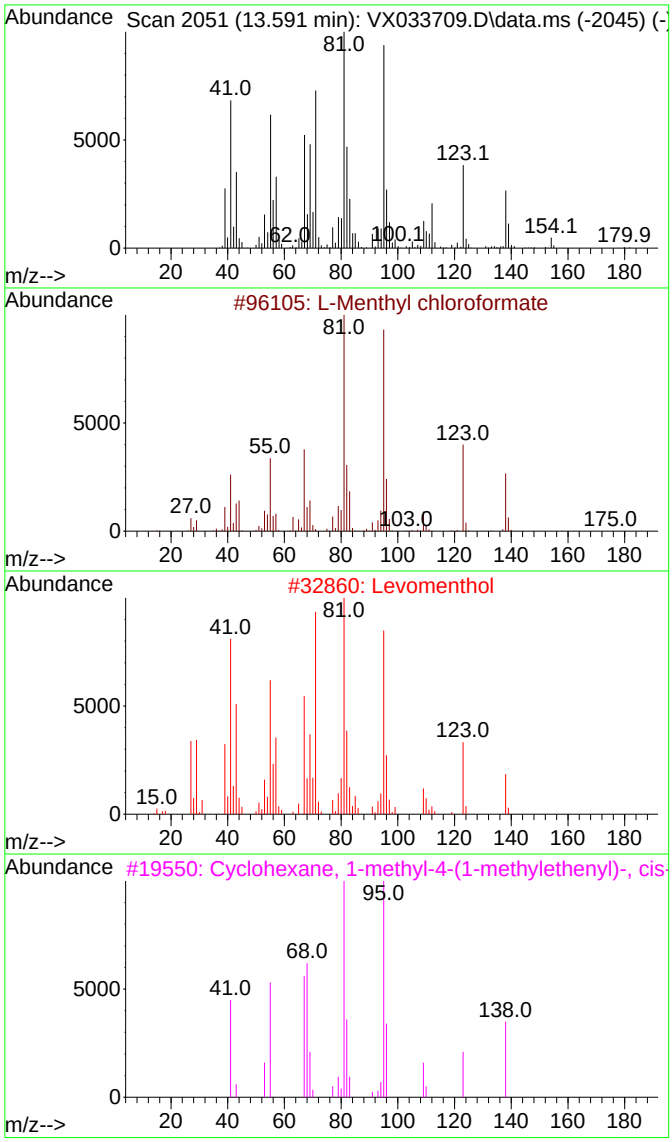
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

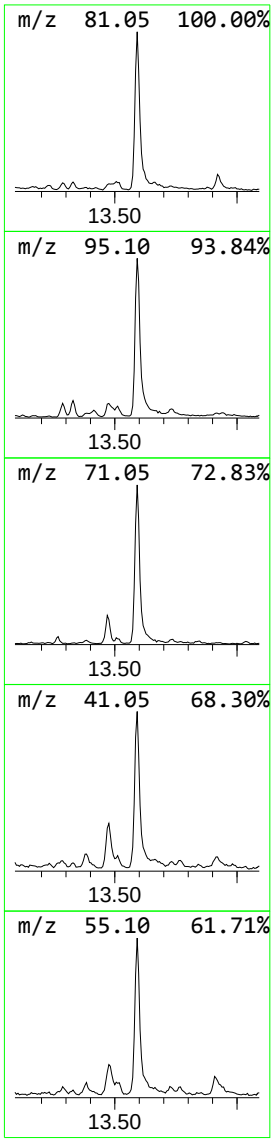
****

Peak Number 10 L-Menthyl chloroformate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.591	40.72 ug/l	531310	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	L-Menthyl chloroformate	218	C11H19ClO2	014602-86-9	81
2	Levomenthol	156	C10H20O	002216-51-5	80
3	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	70
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	70
5	(1S)-(+)-Menthyl chloroformate	218	C11H19ClO2	007635-54-3	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033709.D
Acq On : 12 Jan 2023 13:38
Operator : JC/MD
Sample : 01130-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylal	2.392	23.1	ug/l	55969	1	4.898	72589	30.0
Tetrahydrofuran	5.007	805.9	ug/l	1950000	1	4.898	72589	30.0
3-Pentanone, 2,...	9.378	15.7	ug/l	205288	3	10.055	391466	30.0
Eucalyptol	12.104	16.8	ug/l	218866	3	10.055	391466	30.0
unknown12.579	12.579	11.8	ug/l	154355	3	10.055	391466	30.0
unknown12.762	12.762	32.3	ug/l	421852	3	10.055	391466	30.0
Fenchone	12.902	54.3	ug/l	708309	3	10.055	391466	30.0
Camphene	13.475	12.9	ug/l	168651	3	10.055	391466	30.0
L-Menthyl chlor...	13.591	40.7	ug/l	531310	3	10.055	391466	30.0