LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-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\624X061424W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VX042301.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.386	205	213	228	rBV	308192	594044	8.86%	2.117%
2	3.002	293	314	330	rBV	2486846	6702434	100.00%	23.886%
3	4.617	562	579	616	rBV	1611669	6101458	91.03%	21.744%
4	4.898	617	625	633	rVV	41795	135265	2.02%	0.482%
5	5.007	633	643	664	rVB	954503	2972705	44.35%	10.594%
6	5.952	789	798	806	rBV2	50886	134069	2.00%	0.478%
7	6.257	840	848	858	rBV	34780	90336	1.35%	0.322%
8	6.757	921	930	943	rVV	118180	282222	4.21%	1.006%
9	8.647	1234	1240	1246	rBV	247385	384737	5.74%	1.371%
10	8.714	1246	1251	1260	rVB2	127990	213708	3.19%	0.762%
11	8.805	1261	1266	1271	rBV	59317	95731	1.43%	0.341%
12	9.378	1353	1360	1367	rBV	145089	218332	3.26%	0.778%
13	10.055	1460	1471	1475	rBV	270030	431025	6.43%	1.536%
14	10.195	1489	1494	1504	rVV2	153379	227523	3.39%	0.811%
15	10.299	1506	1511	1518	rVV	174268	252958	3.77%	0.901%
16	10.640	1563	1567	1572	rBV	99507	131932	1.97%	0.470%
17	11.079	1633	1639	1645	rBV	221223	305928	4.56%	1.090%
18	11.750	1745	1749	1754	rVB	61502	74715	1.11%	0.266%
19	11.884	1763	1771	1779	rBV2	60318	86424	1.29%	0.308%
20	12.006	1787	1791	1795	rBV	180196	229096	3.42%	0.816%
21	12.104	1800	1807	1811	rBV2	213029	315595	4.71%	1.125%
22	12.244	1822	1830	1835	rBV3	46429	83067	1.24%	0.296%
23	12.579	1881	1885	1889	rVB	144784	177800	2.65%	0.634%
24	12.762	1907	1915	1920	rVV	196406	286729	4.28%	1.022%
25	12.902	1927	1938	1944	rBV	890055	1207285	18.01%	4.302%
26	12.963	1944	1948	1957	rVB3	91773	161656	2.41%	0.576%
27	13.213	1985	1989	1995	rVB3	54555	85783	1.28%	0.306%
28	13.335	2005	2009	2014	rBV	297546	400022	5.97%	1.426%
29	13.420	2020	2023	2027	rVB2	48010	67742	1.01%	0.241%
30	13.475	2027	2032	2033	rBV2	218693	274072	4.09%	0.977%
31	13.512	2033	2038	2045	rVV	2037900	2847994	42.49%	10.149%
32	13.585	2045	2050	2060	rVB3	708738	1032499	15.40%	3.680%
33	13.731	2069	2074	2077	rBV	303564	373658	5.57%	1.332%
34	13.774	2077	2081	2089	rVB	338398	420563	6.27%	1.499%
35	13.933	2100	2107	2112	rBV3	50795	120807	1.80%	0.431%
36	14.097	2128	2134	2145	rBV	347595	540620	8.07%	1.927%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-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\624X061424W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

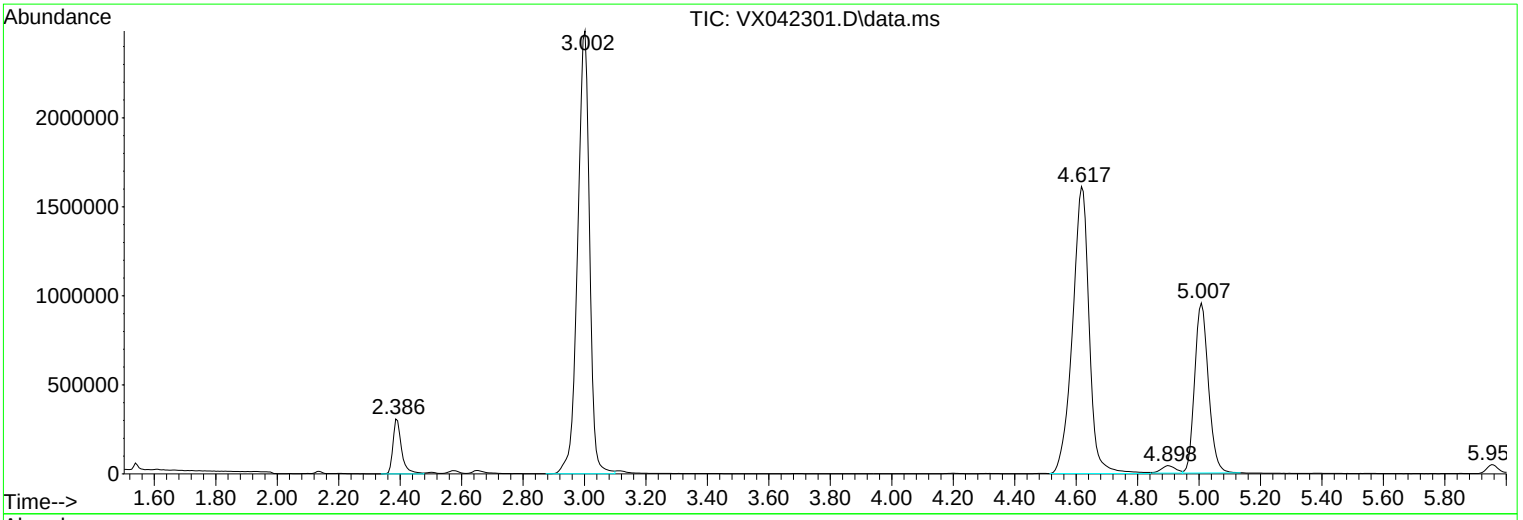
Sum of corrected areas: 28060534

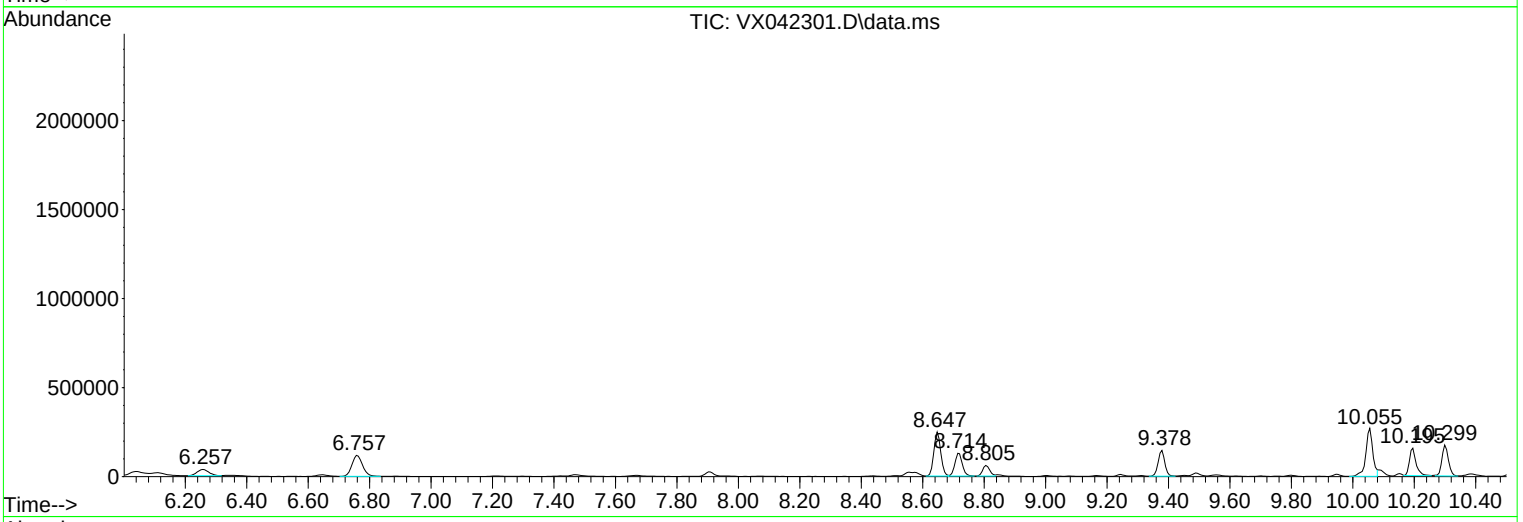
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

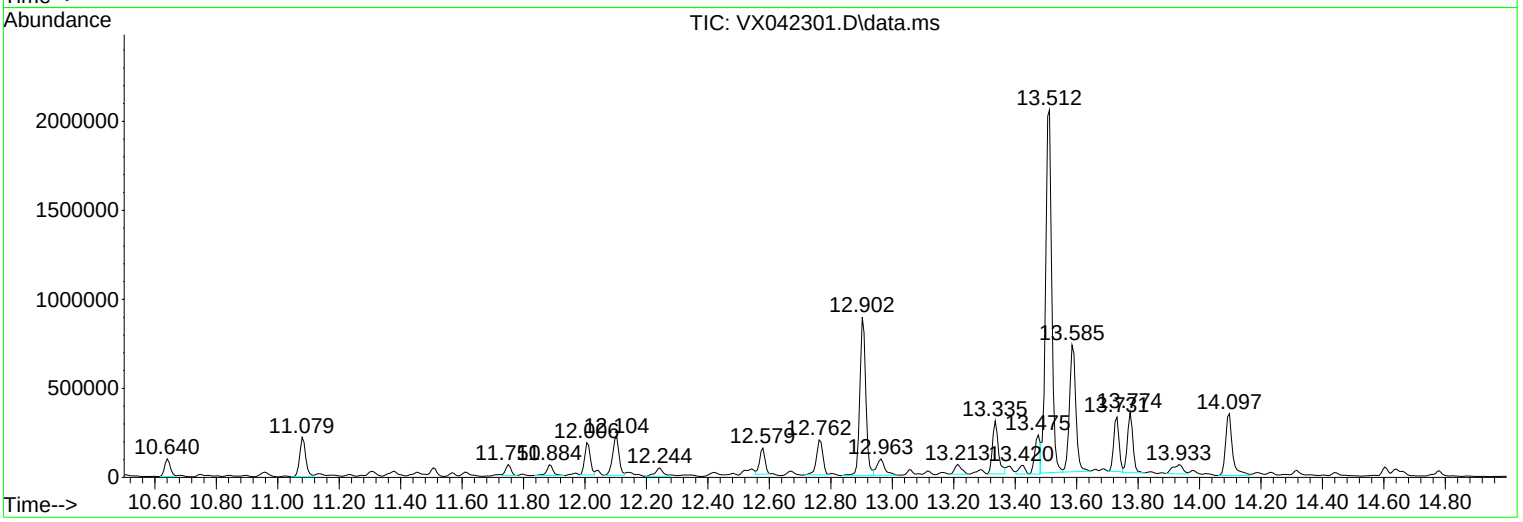
Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.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\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

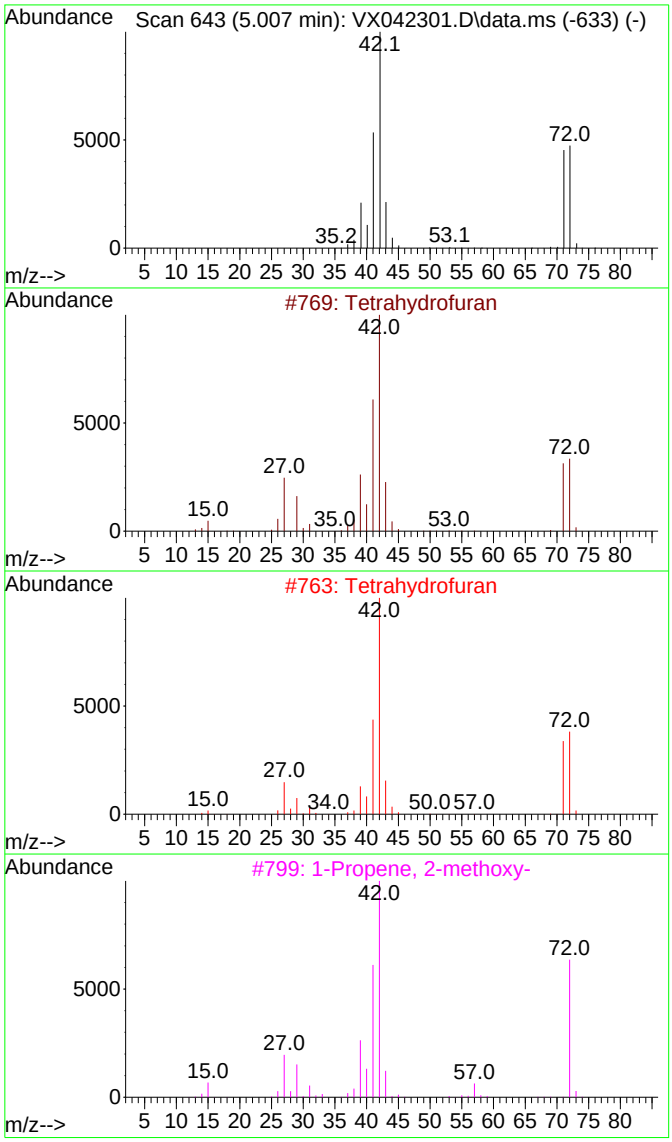
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

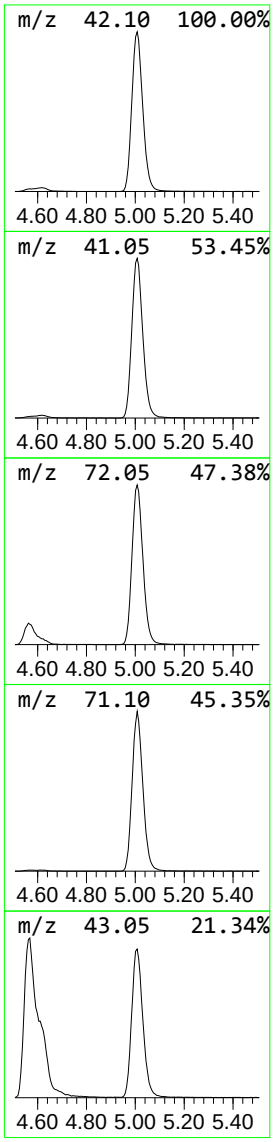
****

Peak Number 2 Tetrahydrofuran Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.007	659.31 ug/l	2972710	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	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	64
4	Isobutylene epoxide	72	C4H8O	000558-30-5	43
5	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

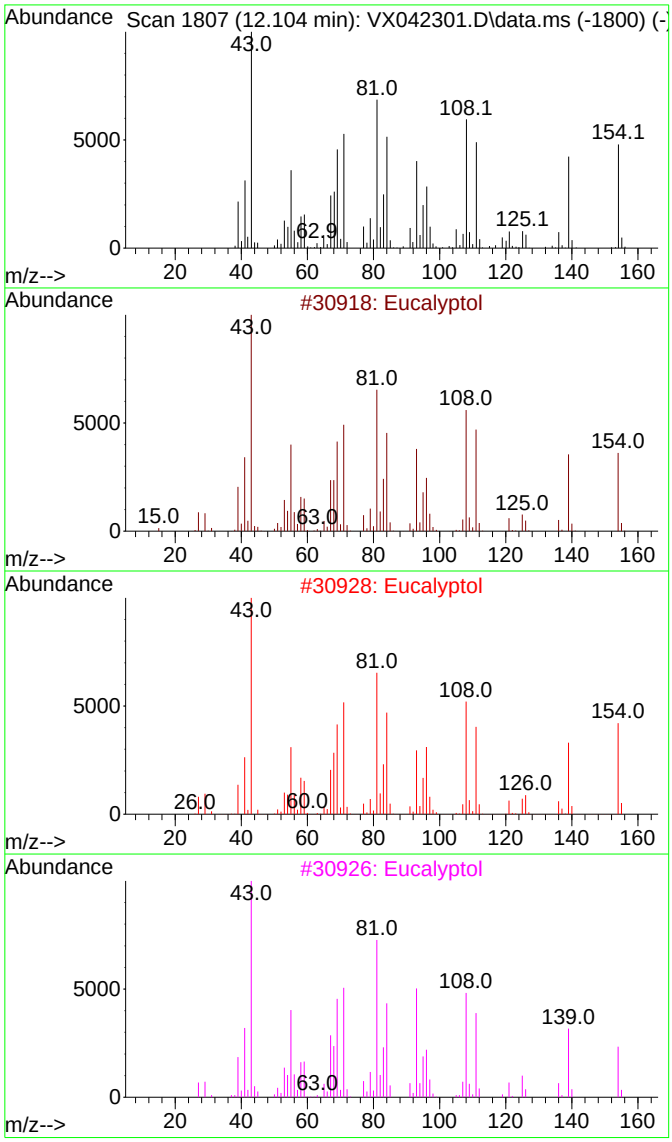
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

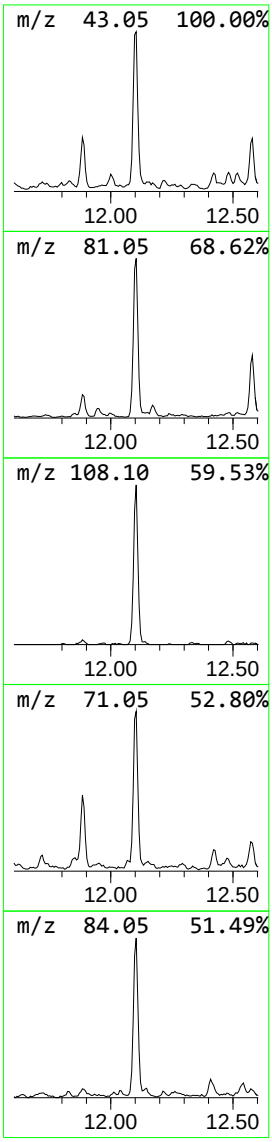
****

Peak Number 3 Eucalyptol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.104	21.97 ug/l	315595	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	99
3	Eucalyptol	154	C10H18O	000470-82-6	91
4	Eucalyptol	154	C10H18O	000470-82-6	91
5	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

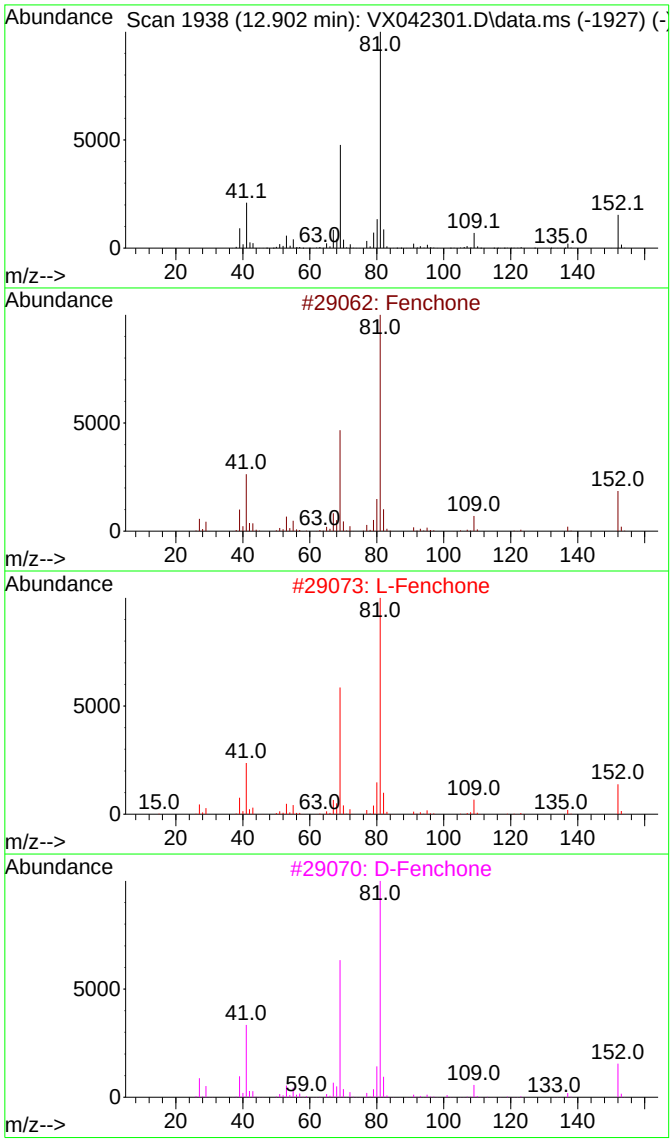
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

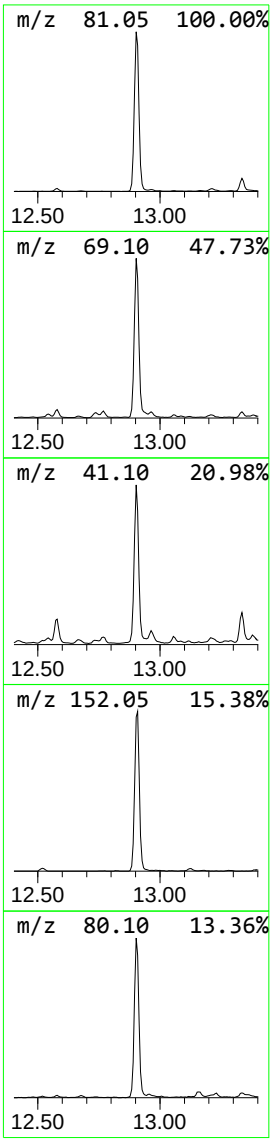
****

Peak Number 5 Fenchone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.902	84.03 ug/l	1207290	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	94
3	D-Fenchone	152	C10H16O	004695-62-9	94
4	L-Fenchone	152	C10H16O	007787-20-4	94
5	Fenchone	152	C10H16O	001195-79-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

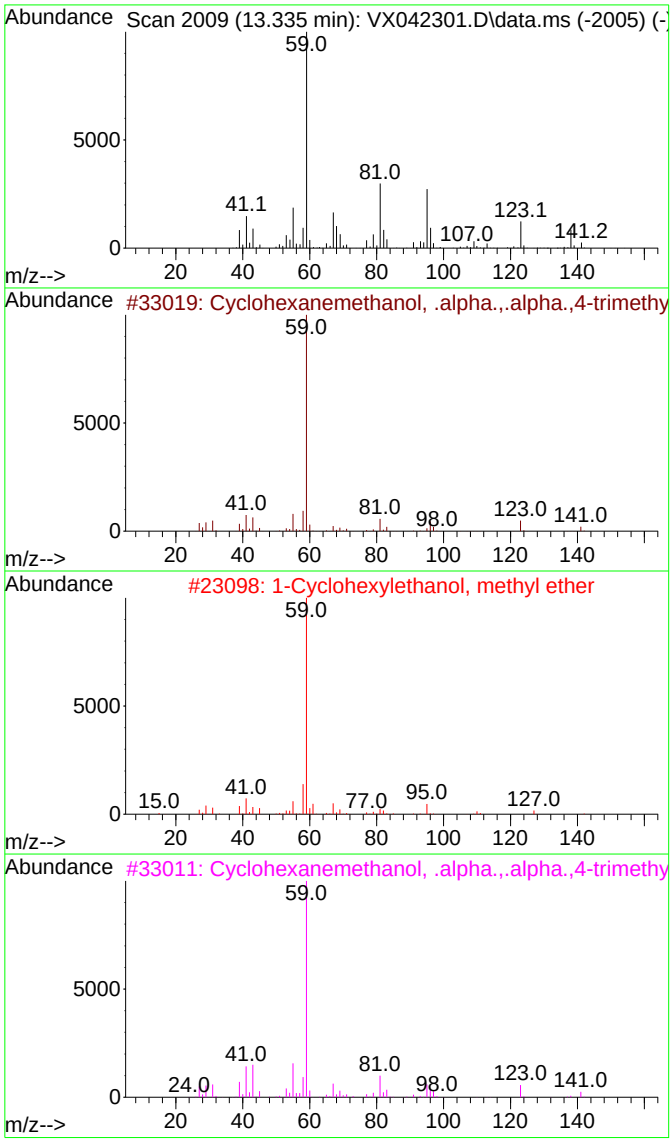
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

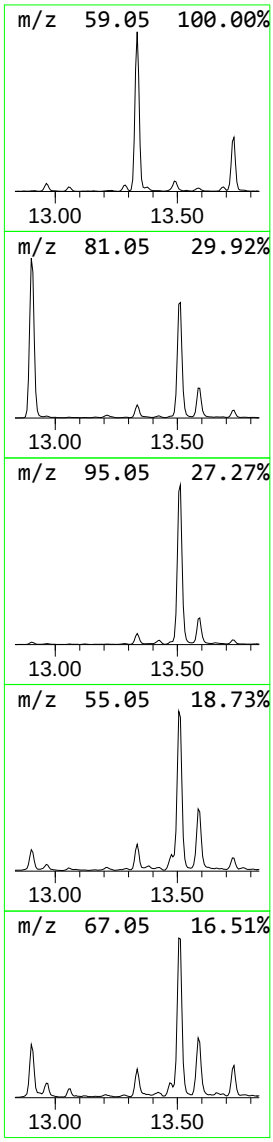
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexanemethanol, .alpha... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.335	27.84 ug/l	400022	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	53
2	1-Cyclohexylethanol, methyl ether	142	C9H18O	1000365-12-8	45
3	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	42
4	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	38
5	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

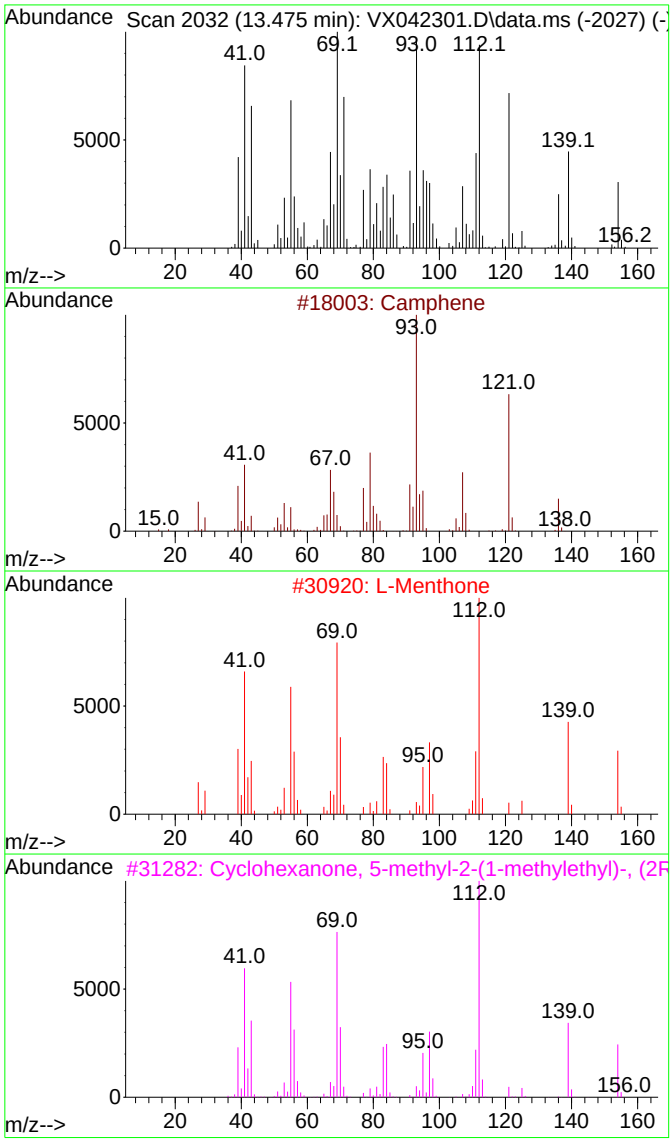
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

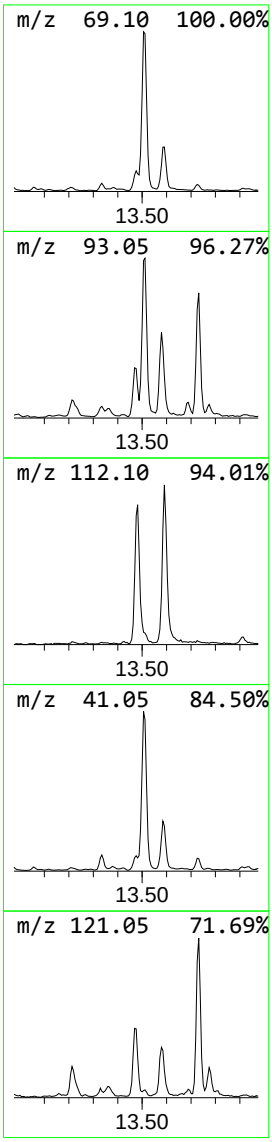
****

Peak Number 7 Camphene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.475	19.08 ug/l	274072	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	90
2	L-Menthone	154	C10H18O	014073-97-3	86
3	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	001196-31-2	78
4	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	001196-31-2	78
5	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	010458-14-7	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

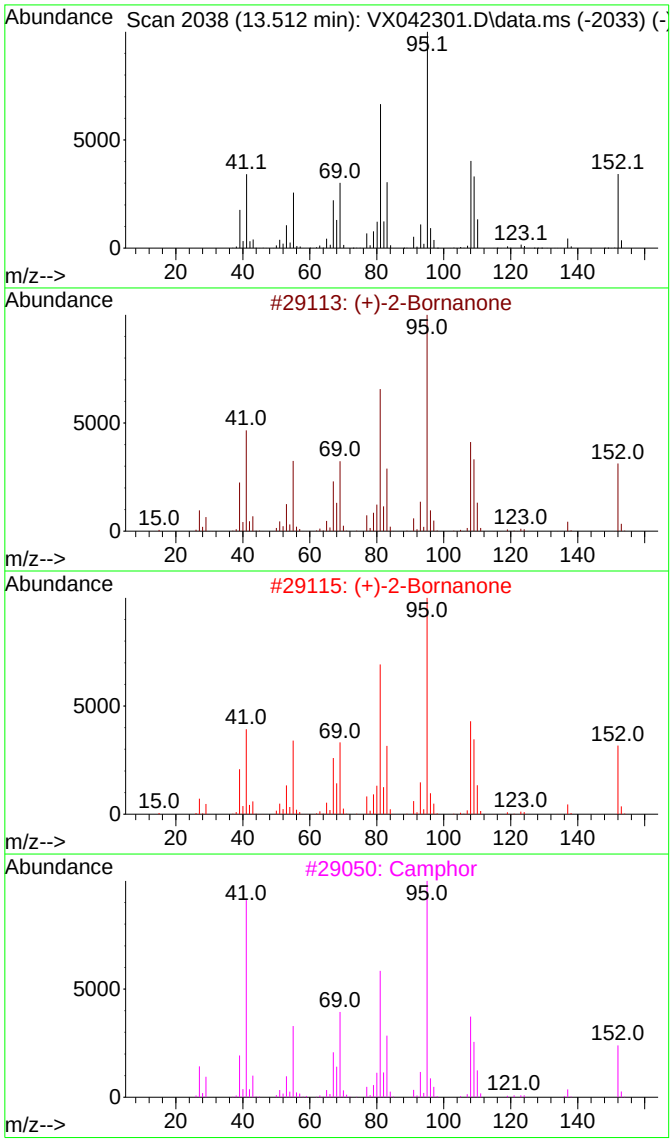
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

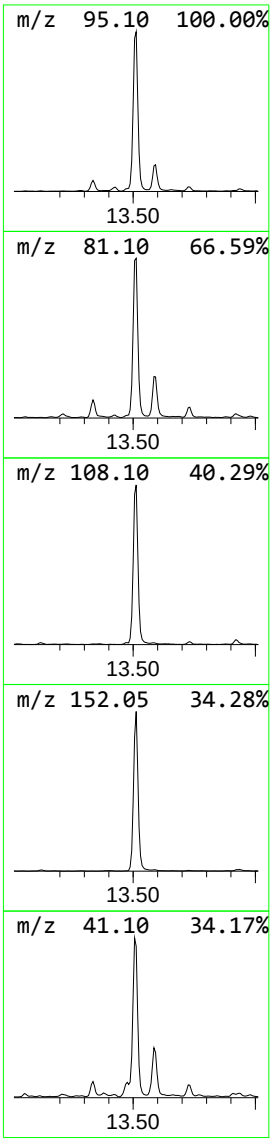
****

Peak Number 8 (+)-2-Bornanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.512	198.22 ug/l	2847990	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	96
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	95
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

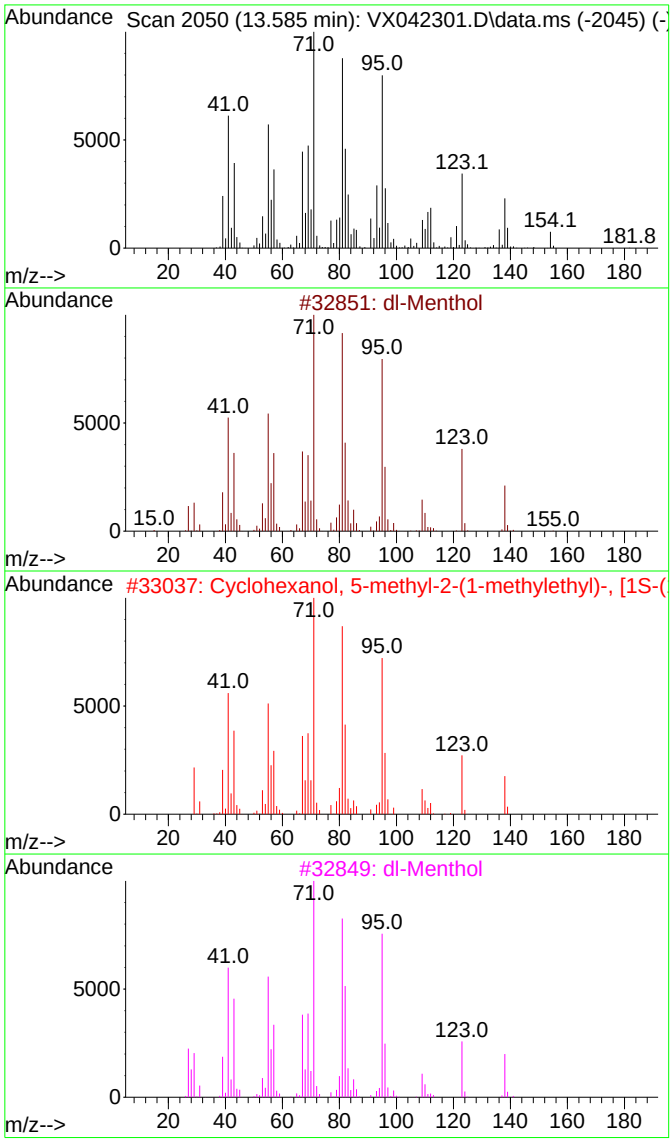
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

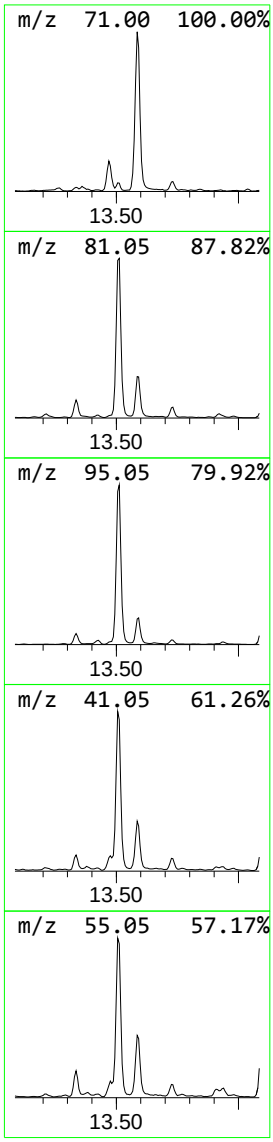
****

Peak Number 9 dl-Menthol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.585	71.86 ug/l	1032500	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-Menthol	156	C10H20O	000089-78-1	91
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	91
3	dl-Menthol	156	C10H20O	000089-78-1	91
4	Levomenthol	156	C10H20O	002216-51-5	90
5	Levomenthol	156	C10H20O	002216-51-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

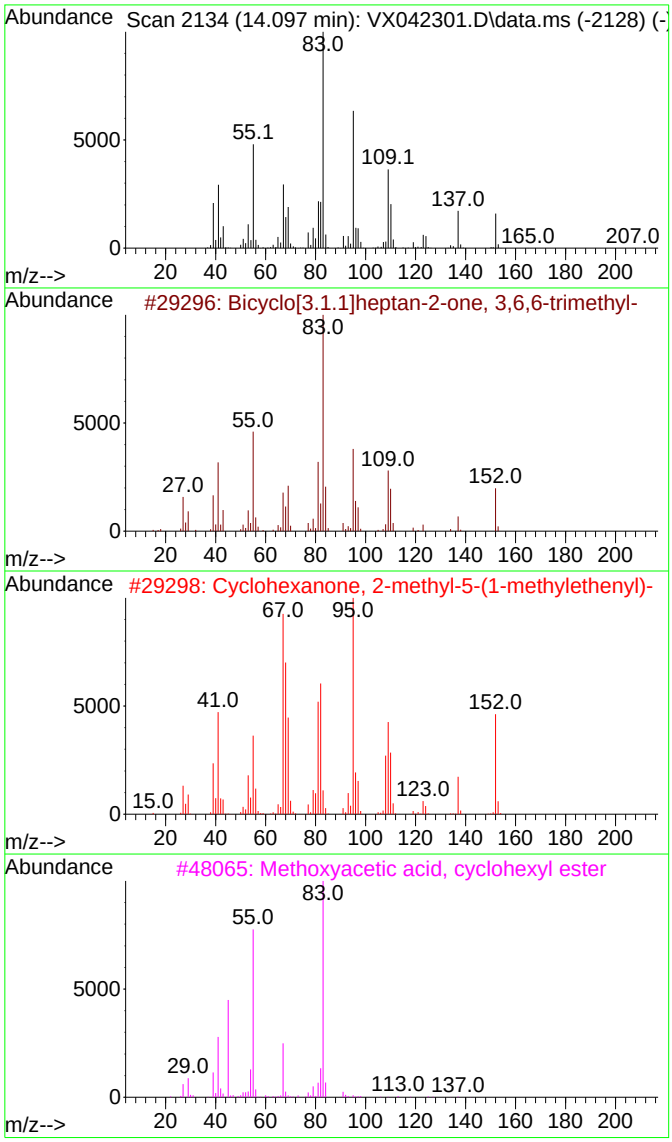
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

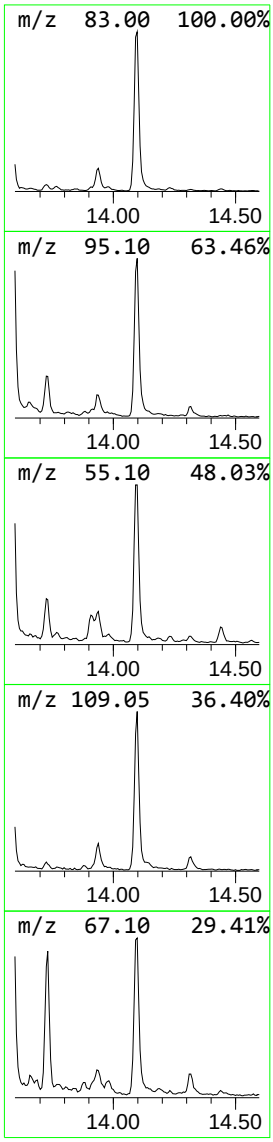
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Bicyclo[3.1.1]heptan-2-one,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	37.63 ug/l	540620	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-2-one, 3,6,...	152	C10H16O	016022-08-5	58
2	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	49
3	Methoxyacetic acid, cyclohexyl e...	172	C9H16O3	1000282-69-4	35
4	2-Pyrazoline, 1-allyl-	110	C6H10N2	019804-38-7	30
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
Data File : VX042301.D
Acq On : 12 Jul 2024 14:39
Operator : JC/MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
240710076-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.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
Tetrahydrofuran	5.007	659.3	ug/l	2972710	1	4.898	135265	30.0
Eucalyptol	12.104	22.0	ug/l	315595	3	10.055	431025	30.0
Fenchone	12.902	84.0	ug/l	1207290	3	10.055	431025	30.0
Cyclohexanemeth...	13.335	27.8	ug/l	400022	3	10.055	431025	30.0
Camphene	13.475	19.1	ug/l	274072	3	10.055	431025	30.0
(+)-2-Bornanone	13.512	198.2	ug/l	2847990	3	10.055	431025	30.0
dl-Menthol	13.585	71.9	ug/l	1032500	3	10.055	431025	30.0
Bicyclo[3.1.1]h...	14.097	37.6	ug/l	540620	3	10.055	431025	30.0