LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
Data File : VX039227.D
Acq On : 15 Dec 2023 12:25
Operator : JC/MD
Sample : 05840-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
231213055-02-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\624X112423W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VX039227.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.947	295	305	326	rBV	1694181	3704657	97.06%	33.157%
2	4.556	553	569	584	rBV	1173281	3816744	100.00%	34.160%
3	4.897	616	625	632	rBV2	22781	65803	1.72%	0.589%
4	4.995	632	641	661	rVB2	371796	1150164	30.13%	10.294%
5	5.952	788	798	807	rBV2	41590	113887	2.98%	1.019%
6	6.214	827	841	855	rVB4	52731	222935	5.84%	1.995%
7	6.757	919	930	942	rVB	73697	183505	4.81%	1.642%
8	8.574	1220	1228	1234	rBV3	31898	57876	1.52%	0.518%
9	8.647	1234	1240	1247	rVV	177478	282295	7.40%	2.527%
10	8.799	1260	1265	1278	rBV	34308	59616	1.56%	0.534%
11	9.372	1351	1359	1365	rVB2	26675	47366	1.24%	0.424%
12	10.055	1460	1471	1483	rBV	204371	352665	9.24%	3.156%
13	10.207	1490	1496	1501	rBV2	24995	58011	1.52%	0.519%
14	10.640	1562	1567	1579	rBV	35697	56059	1.47%	0.502%
15	11.079	1633	1639	1645	rBV	218292	295174	7.73%	2.642%
16	11.500	1704	1708	1715	rBV	49851	68733	1.80%	0.615%
17	11.884	1767	1771	1780	rVB2	52162	70901	1.86%	0.635%
18	12.012	1788	1792	1795	rVV5	27038	45507	1.19%	0.407%
19	12.244	1824	1830	1835	rBV2	22844	42359	1.11%	0.379%
20	12.762	1905	1915	1919	rVV2	40185	68793	1.80%	0.616%
21	12.902	1934	1938	1942	rVV	85197	112681	2.95%	1.008%
22	13.469	2026	2031	2035	rBV	96819	132746	3.48%	1.188%
23	13.585	2044	2050	2055	rBV3	40664	63410	1.66%	0.568%
24	13.768	2076	2080	2086	rVB2	39778	53198	1.39%	0.476%
25	13.920	2100	2105	2114	rBV	31314	48150	1.26%	0.431%

Sum of corrected areas: 11173235

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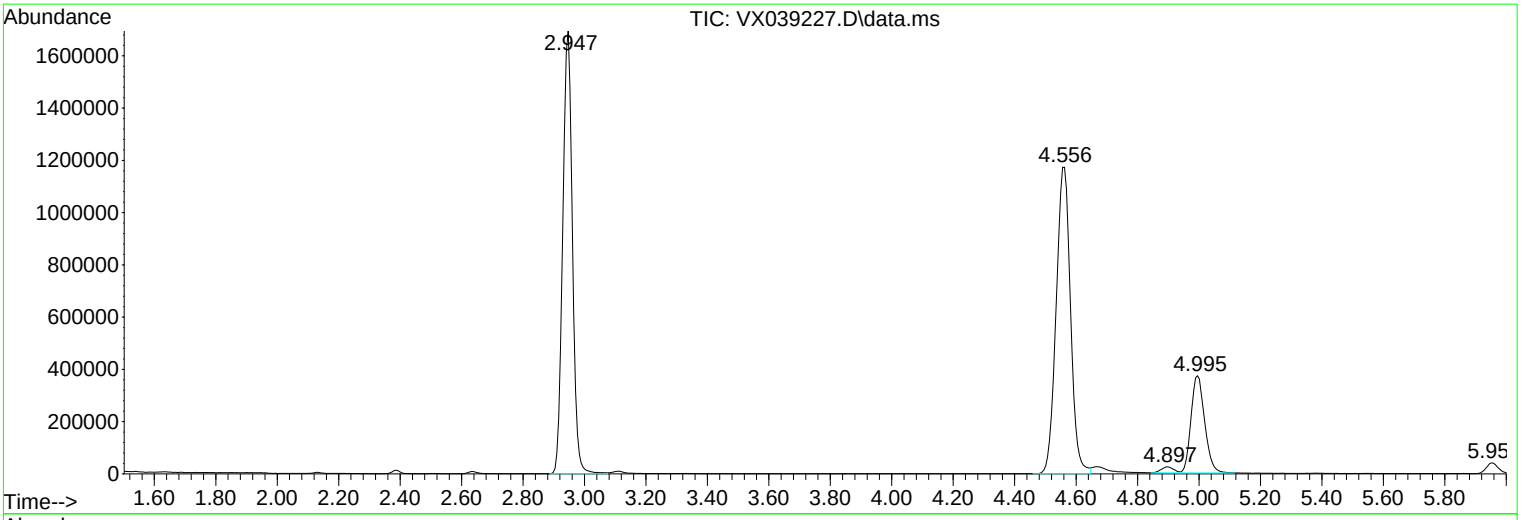
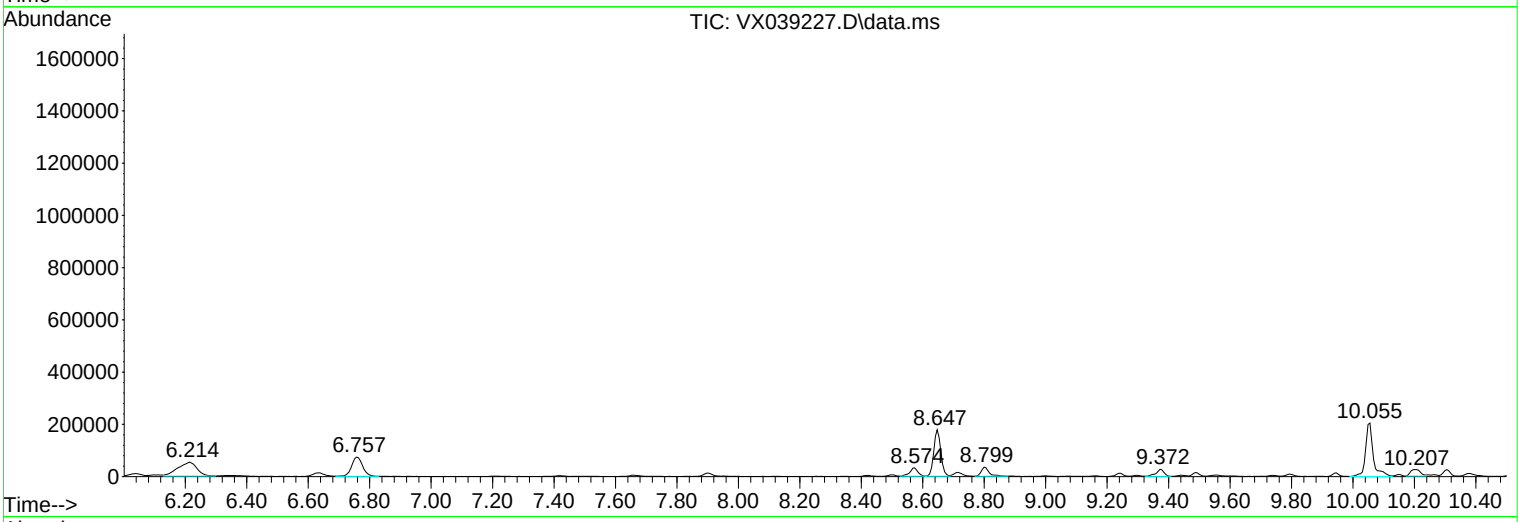
ALS Vial : 7 Sample Multiplier: 1

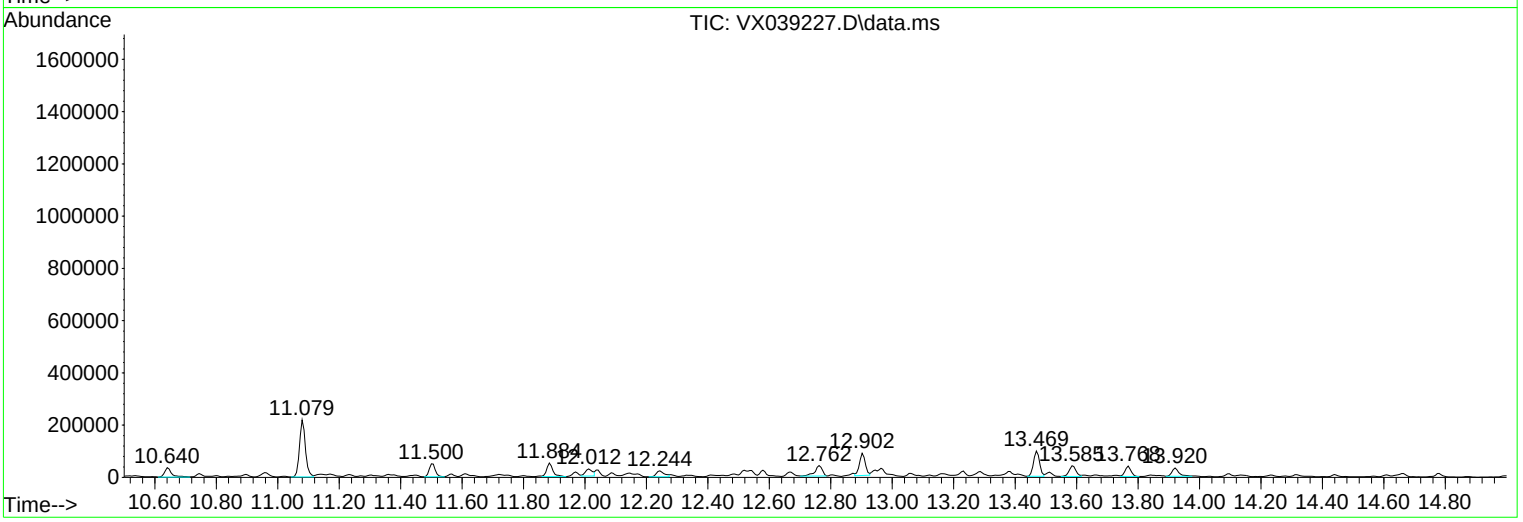
Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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







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Data File : VX039227.D
Acq On : 15 Dec 2023 12:25
Operator : JC/MD
Sample : 05840-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

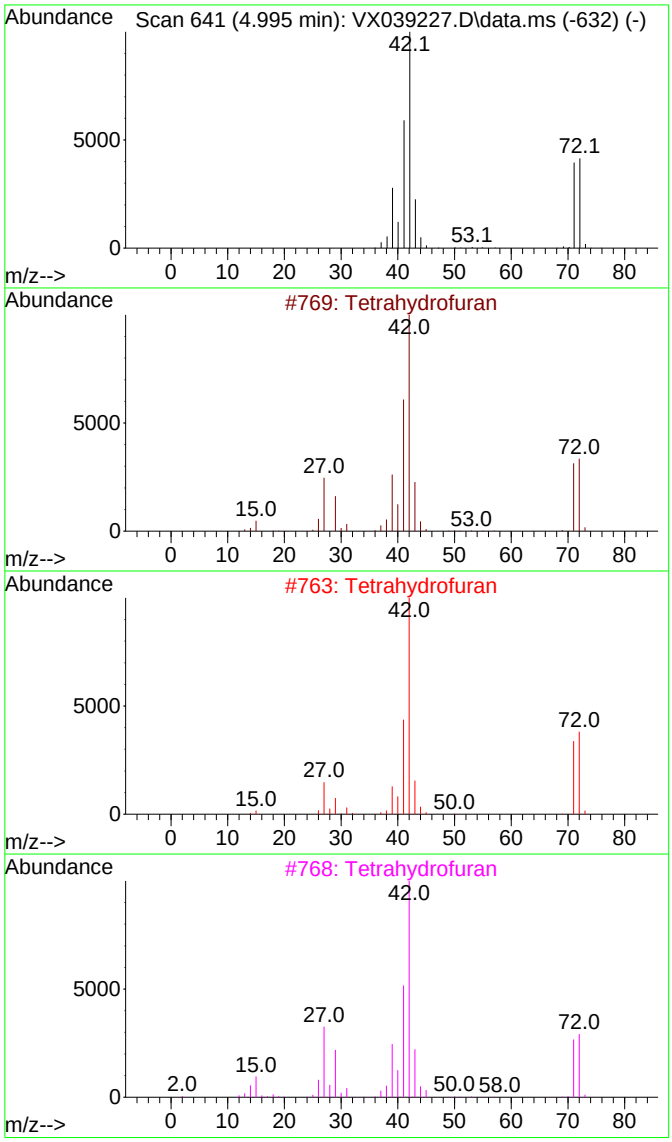
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

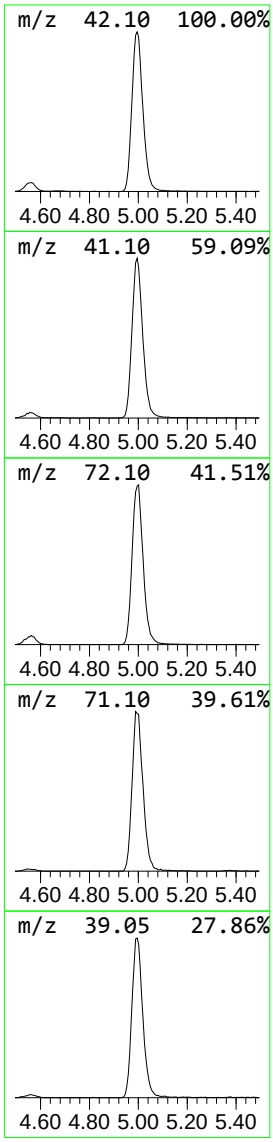
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Tetrahydrofuran Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.995	524.37 ug/l	1150160	Bromochloromethane	4.904

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	Oxirane, ethyl-	72	C4H8O	000106-88-7	78
5	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
Data File : VX039227.D
Acq On : 15 Dec 2023 12:25
Operator : JC/MD
Sample : 05840-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

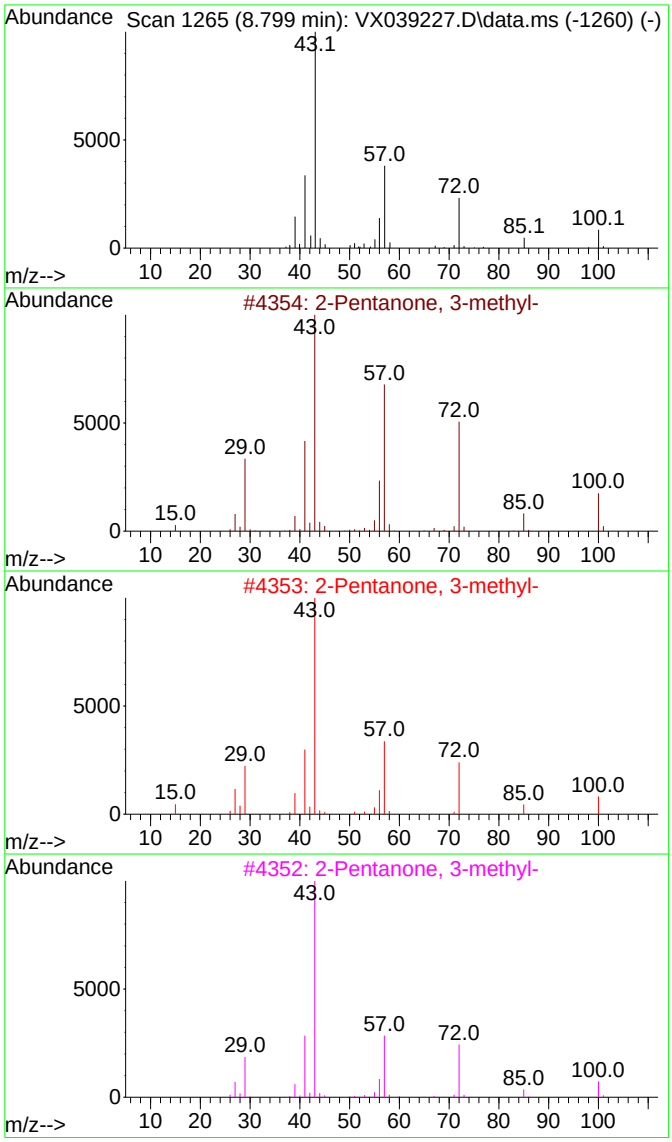
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

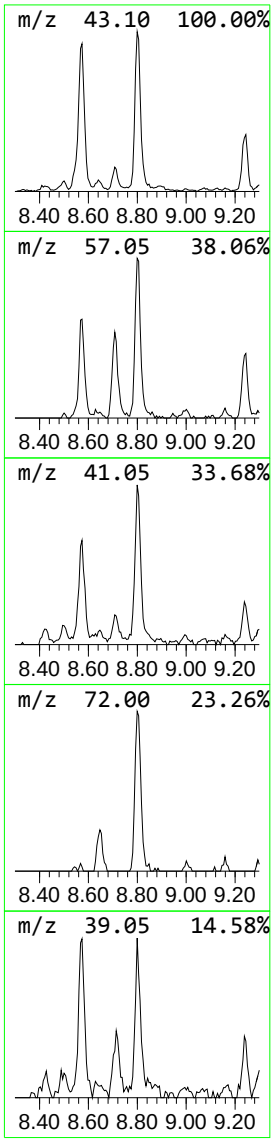
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Pentanone, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.799	5.07 ug/l	59616	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	91
2	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	91
3	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	80
4	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	76
5	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
Data File : VX039227.D
Acq On : 15 Dec 2023 12:25
Operator : JC/MD
Sample : 05840-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

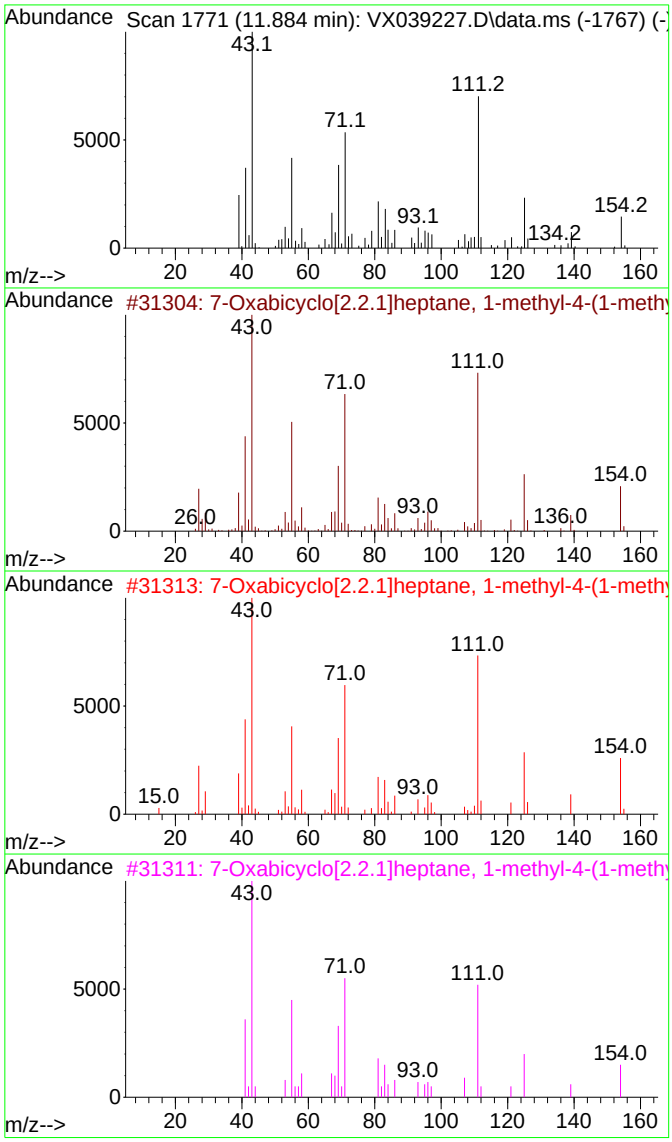
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

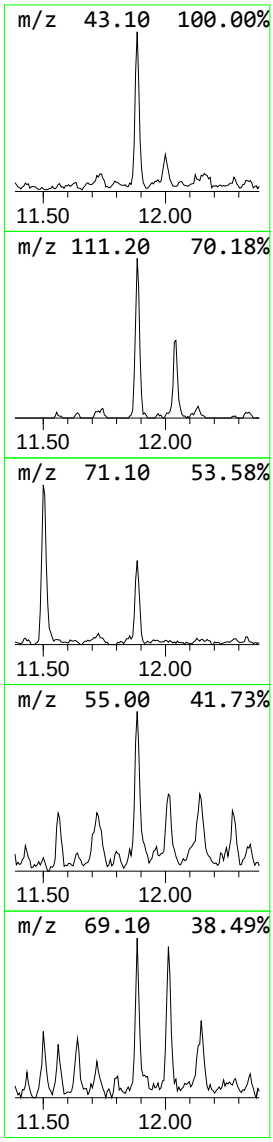
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.884	6.03 ug/l	70901	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	95
2	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	95
3	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	93
4	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	87
5	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
Data File : VX039227.D
Acq On : 15 Dec 2023 12:25
Operator : JC/MD
Sample : 05840-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

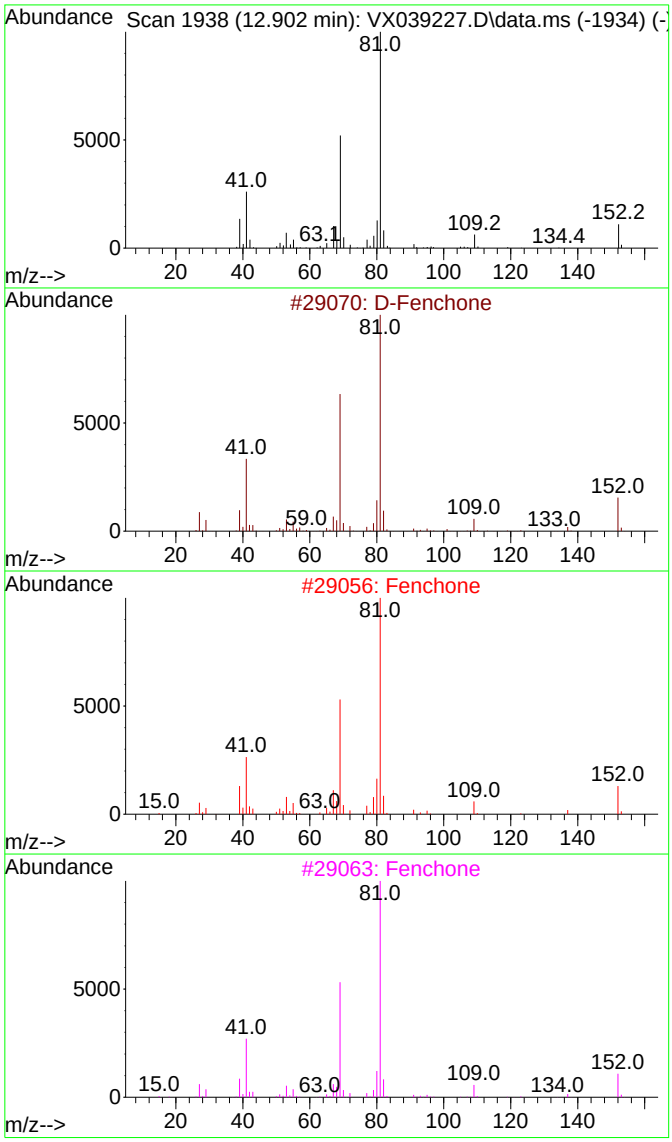
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

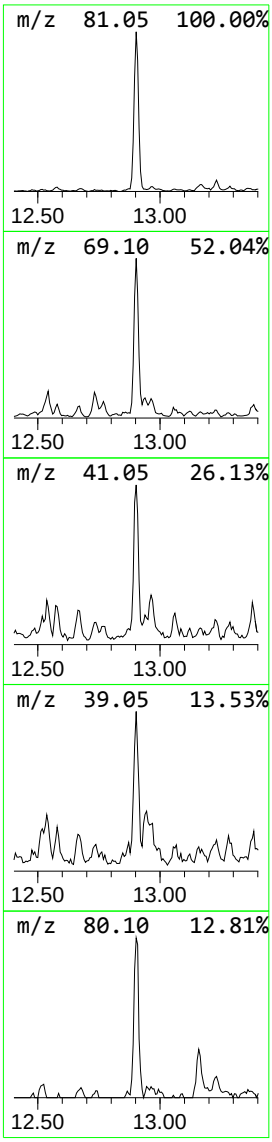
****

Peak Number 7 D-Fenchone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.902	9.59 ug/l	112681	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Fenchone	152	C10H16O	004695-62-9	91
2	Fenchone	152	C10H16O	001195-79-5	91
3	Fenchone	152	C10H16O	001195-79-5	90
4	L-Fenchone	152	C10H16O	007787-20-4	87
5	Fenchone	152	C10H16O	001195-79-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
Data File : VX039227.D
Acq On : 15 Dec 2023 12:25
Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

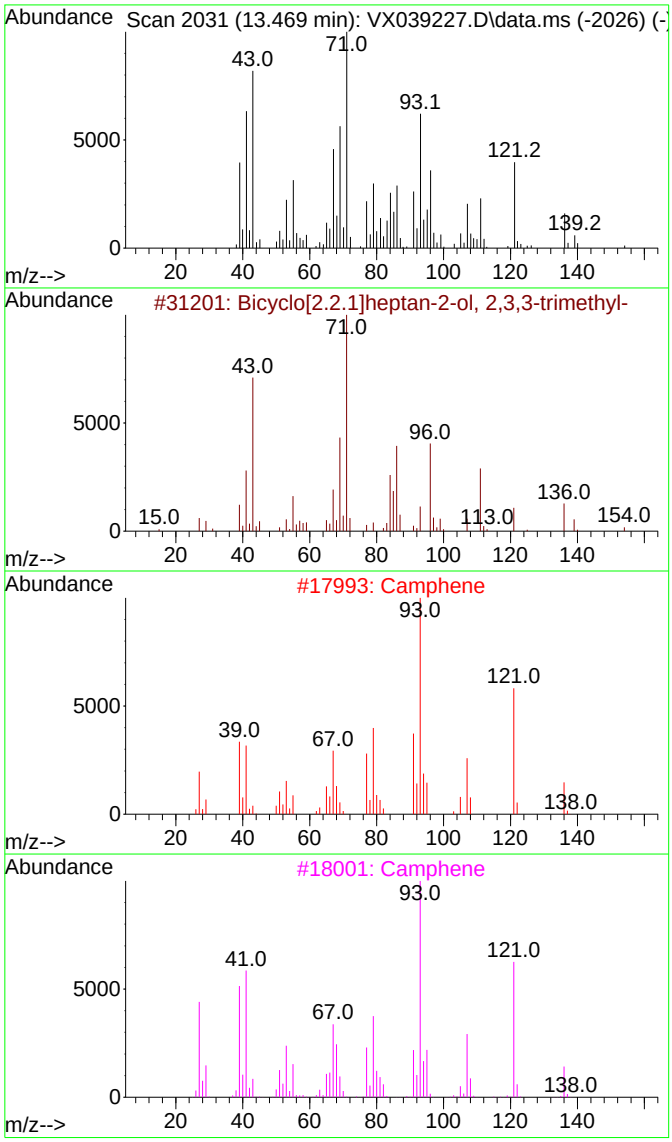
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

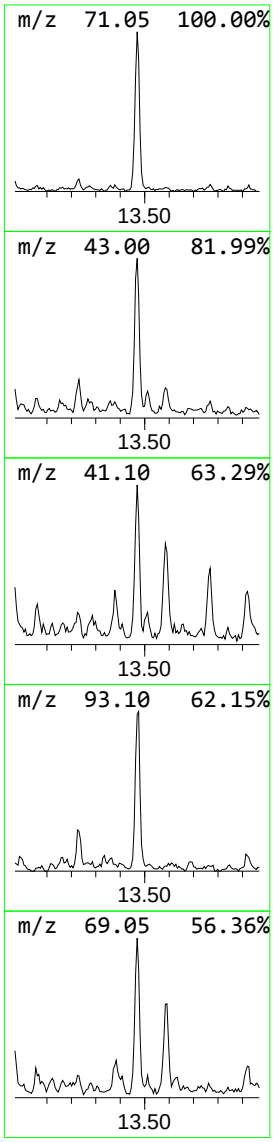
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Bicyclo[2.2.1]heptan-2-ol, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	11.29 ug/l	132746	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-ol, 2,3,3...	154	C10H18O	000465-31-6	93
2	Camphene	136	C10H16	000079-92-5	91
3	Camphene	136	C10H16	000079-92-5	74
4	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	64
5	Bicyclo[3.1.0]hexan-2-ol, 2-meth...	154	C10H18O	015537-55-0	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
231213055-02-VOA

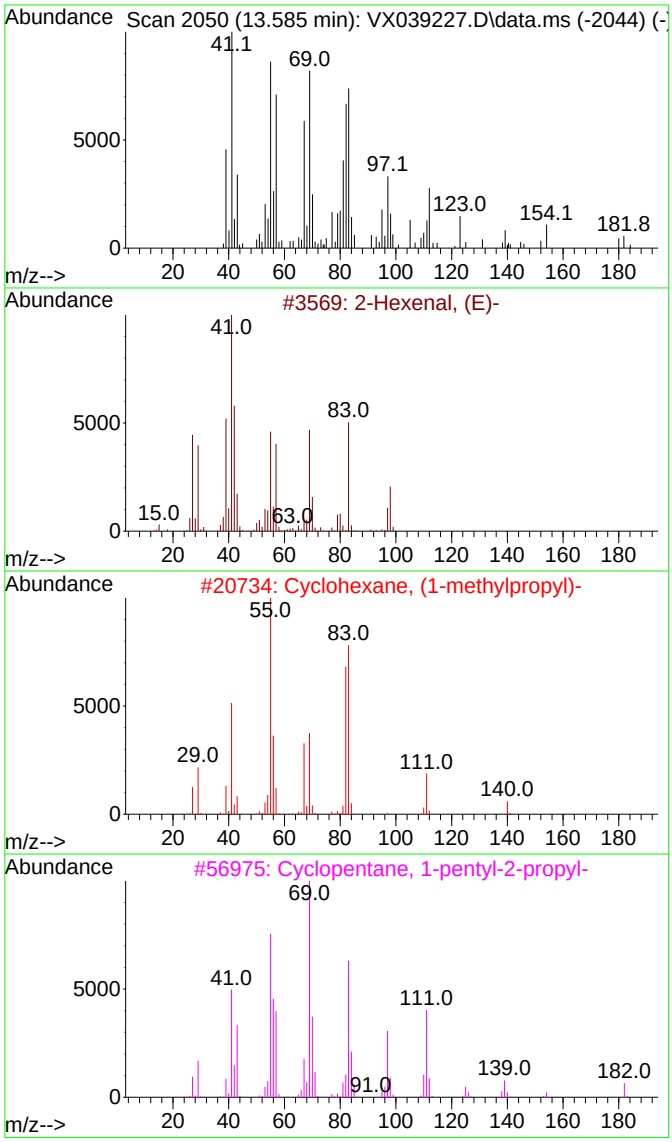
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

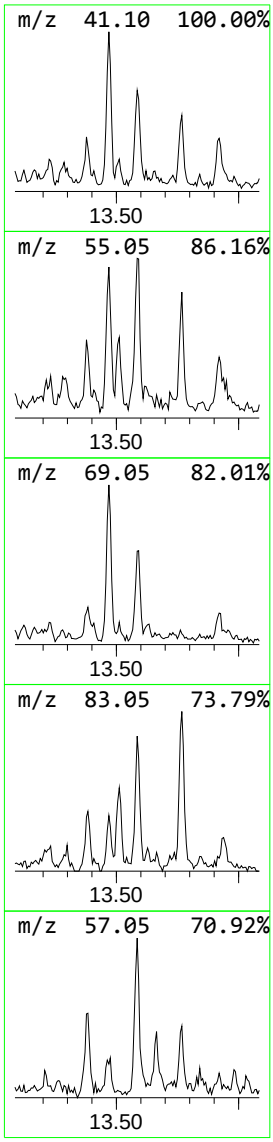
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 2-Hexenal, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.585	5.39 ug/l	63410	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexenal, (E)-	98	C6H10O	006728-26-3	70
2	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	43
3	Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	38
4	2,4-Decadien-1-ol	154	C10H18O	014507-02-9	38
5	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	30





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MSVOA_X
ClientSampleId :
231213055-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

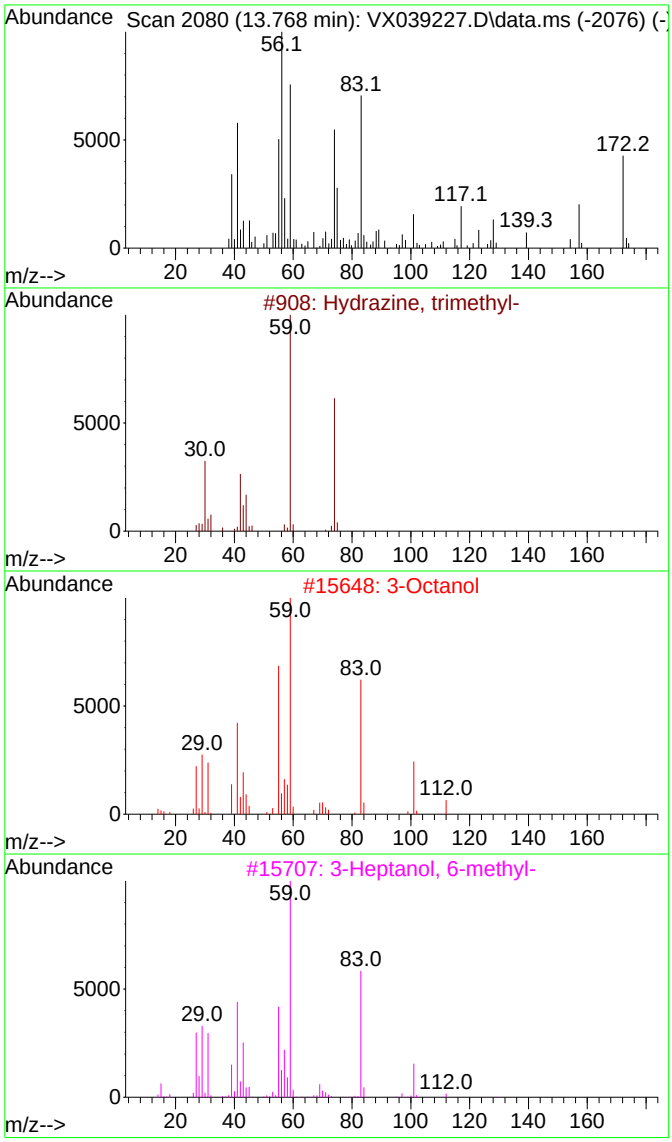
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

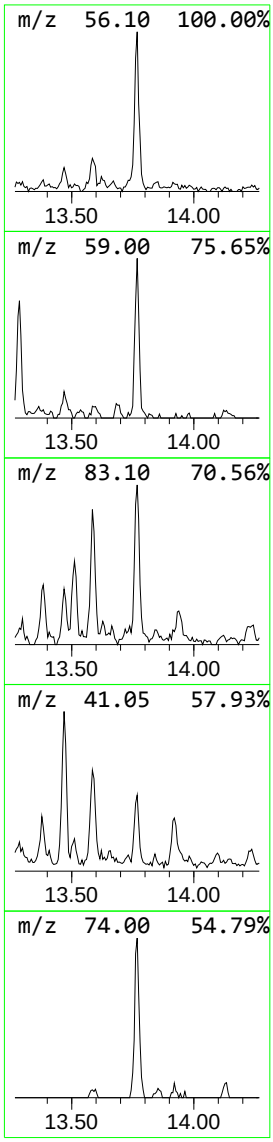
****

Peak Number 10 unknown13.768 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.768	4.53 ug/l	53198	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, trimethyl-	74	C3H10N2	001741-01-1	25
2	3-Octanol	130	C8H18O	000589-98-0	22
3	3-Heptanol, 6-methyl-	130	C8H18O	018720-66-6	22
4	1-Propanol, 2-(2-methoxypropoxy)-	148	C7H16O3	013588-28-8	14
5	2-Decene, 9-methyl-, (Z)-	154	C11H22	074630-24-3	11





Tentatively Identified Compound (LSC) summary

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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	4.995	524.4	ug/l	1150160	1	4.904	65803	30.0
2-Pentanone, 3-...	8.799	5.1	ug/l	59616	3	10.055	352665	30.0
7-Oxabicyclo[2....	11.884	6.0	ug/l	70901	3	10.055	352665	30.0
D-Fenchone	12.902	9.6	ug/l	112681	3	10.055	352665	30.0
Bicyclo[2.2.1]h...	13.469	11.3	ug/l	132746	3	10.055	352665	30.0
2-Hexenal, (E)-	13.585	5.4	ug/l	63410	3	10.055	352665	30.0
unknown13.768	13.768	4.5	ug/l	53198	3	10.055	352665	30.0