LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
Data File : VN080990.D
Acq On : 09 Feb 2024 15:33
Operator : JC\MD
Sample : P1415-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
240207098-02-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_N\methods\624N020924W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN080990.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	53	58	65	rVB	107608	167460	1.75%	0.556%
2	2.824	140	148	155	rVB	59855	180237	1.88%	0.598%
3	4.430	411	421	437	rBV3	120816	385460	4.03%	1.280%
4	5.524	590	607	630	rBV	2201175	7683736	80.29%	25.510%
5	7.441	919	933	947	rBV	3654333	9570035	100.00%	31.773%
6	7.553	947	952	963	rVB4	55880	170176	1.78%	0.565%
7	7.835	986	1000	1021	rBV	1306267	3663472	38.28%	12.163%
8	8.582	1113	1127	1136	rBV3	241926	679693	7.10%	2.257%
9	8.659	1136	1140	1149	rVB2	68978	149832	1.57%	0.497%
10	9.100	1207	1215	1229	rVB	528342	1078830	11.27%	3.582%
11	10.571	1457	1465	1472	rBV	819360	1488087	15.55%	4.941%
12	10.659	1472	1480	1490	rVB4	89929	229788	2.40%	0.763%
13	11.176	1558	1568	1578	rBV	160718	308823	3.23%	1.025%
14	11.871	1676	1686	1695	rBV	674268	1304816	13.63%	4.332%
15	12.400	1763	1776	1783	rBV3	75872	151783	1.59%	0.504%
16	12.853	1845	1853	1861	rVB	507147	909975	9.51%	3.021%
17	13.194	1902	1911	1920	rBV6	45178	112325	1.17%	0.373%
18	13.612	1975	1982	1988	rBV2	89674	167930	1.75%	0.558%
19	13.817	2012	2017	2021	rBV3	56976	107413	1.12%	0.357%
20	13.870	2021	2026	2037	rVB6	50147	134215	1.40%	0.446%
21	14.253	2085	2091	2096	rBV3	89290	161476	1.69%	0.536%
22	14.300	2096	2099	2113	rVB	62082	111463	1.16%	0.370%
23	14.447	2113	2124	2133	rBV9	44089	137085	1.43%	0.455%
24	14.676	2157	2163	2170	rVB	606538	1065907	11.14%	3.539%

Sum of corrected areas: 30120017

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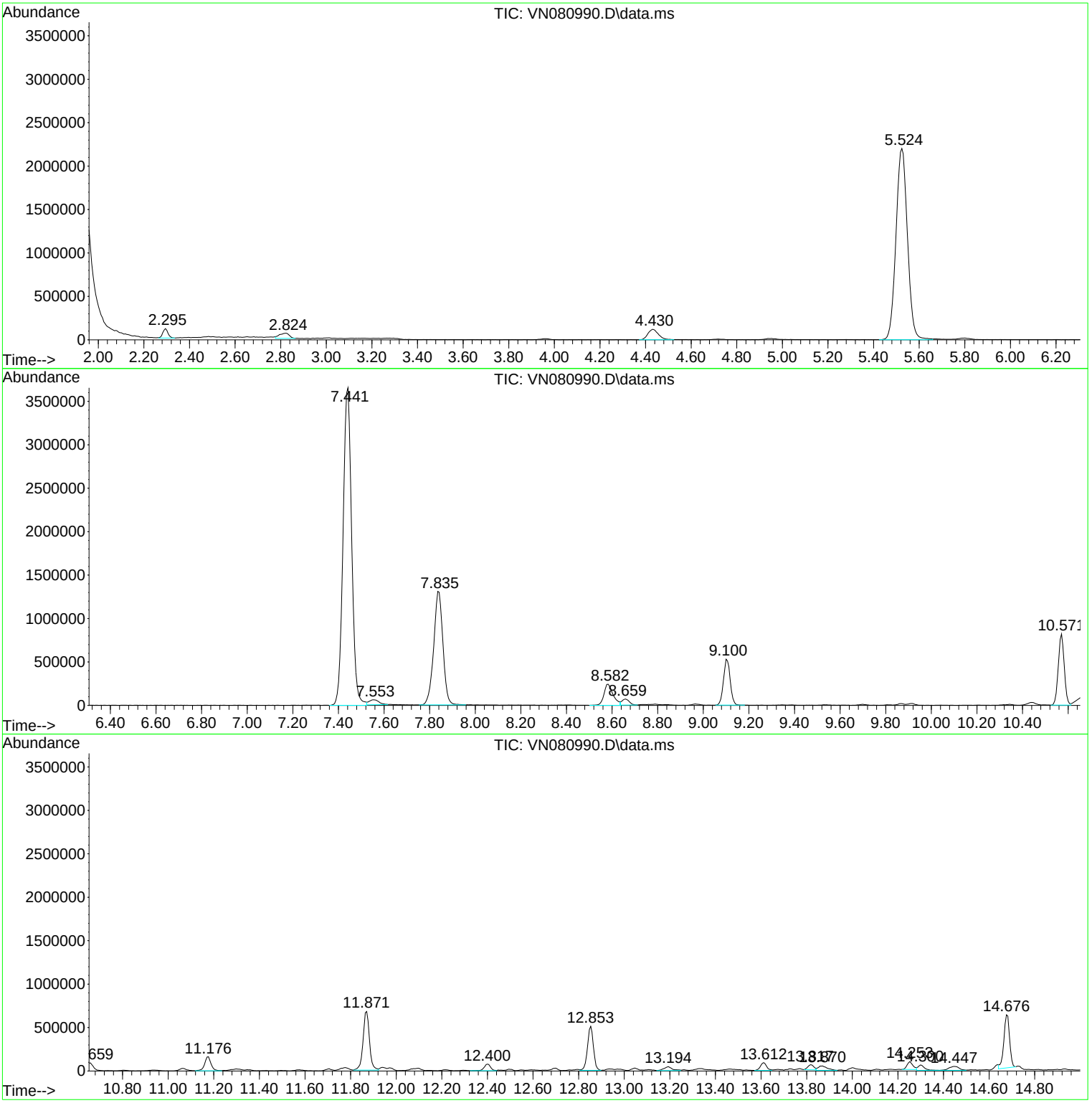
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
240207098-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.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_N\Data\VN020924\
Data File : VN080990.D
Acq On : 09 Feb 2024 15:33
Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
240207098-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

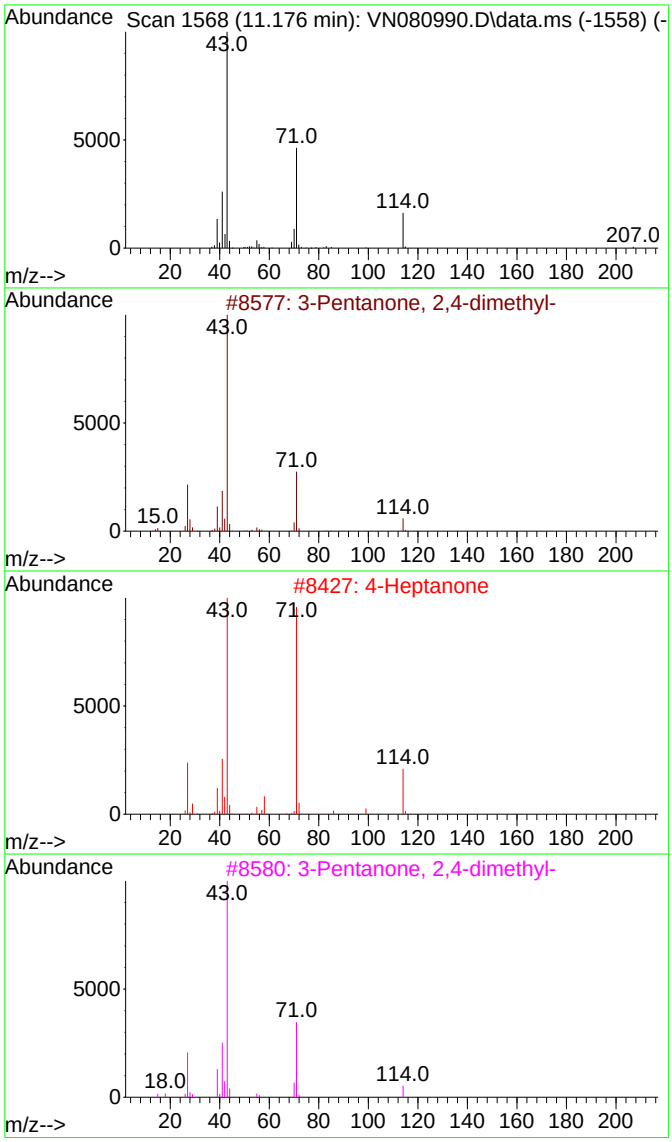
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

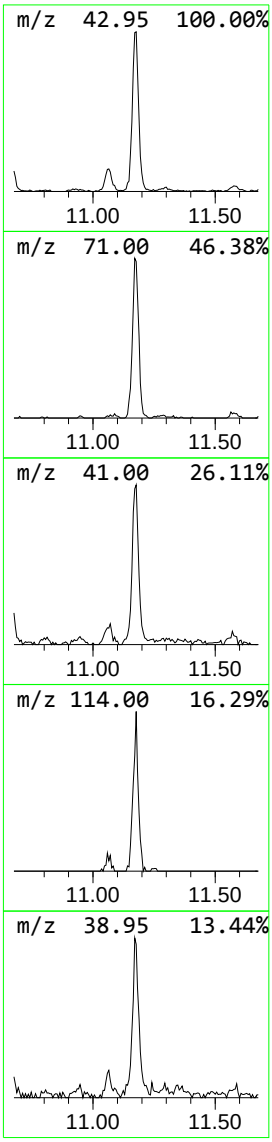
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.176	7.10 ug/l	308823	Chlorobenzene-d5	11.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	78
2	4-Heptanone	114	C7H14O	000123-19-3	72
3	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	72
4	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	64
5	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
Data File : VN080990.D
Acq On : 09 Feb 2024 15:33
Operator : JC\MD
Sample : P1415-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
240207098-02-VOA

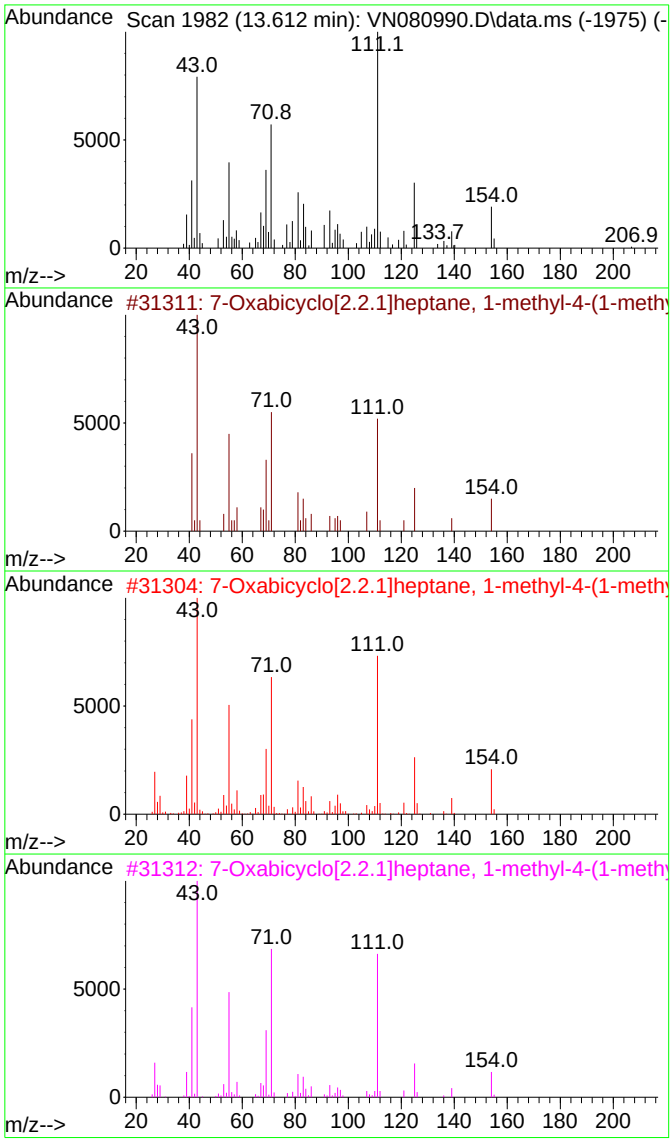
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

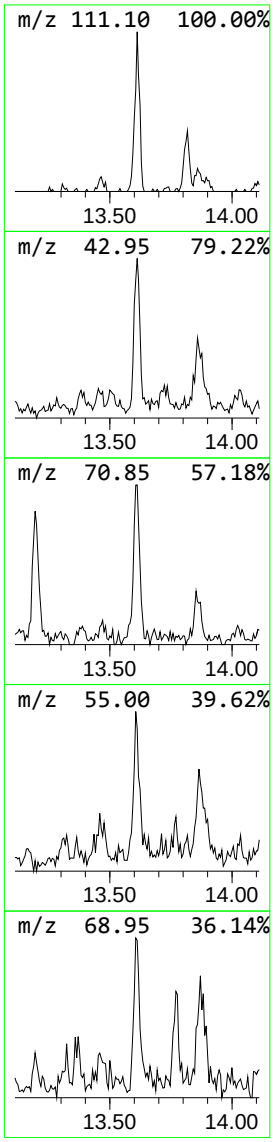
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.612	3.86 ug/l	167930	Chlorobenzene-d5	11.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	90
2	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	81
3	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	64
4	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	60
5	2(5H)-Furanone, 3,5,5-trimethyl-	126	C7H10O2	050598-50-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
Data File : VN080990.D
Acq On : 09 Feb 2024 15:33
Operator : JC\MD
Sample : P1415-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
240207098-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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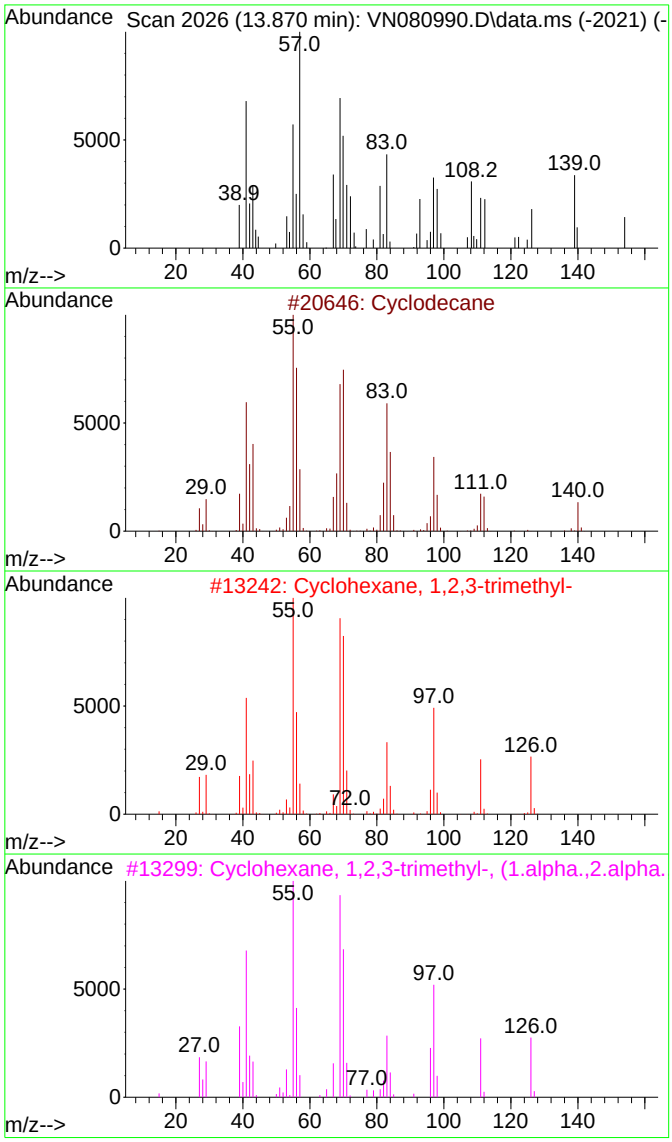
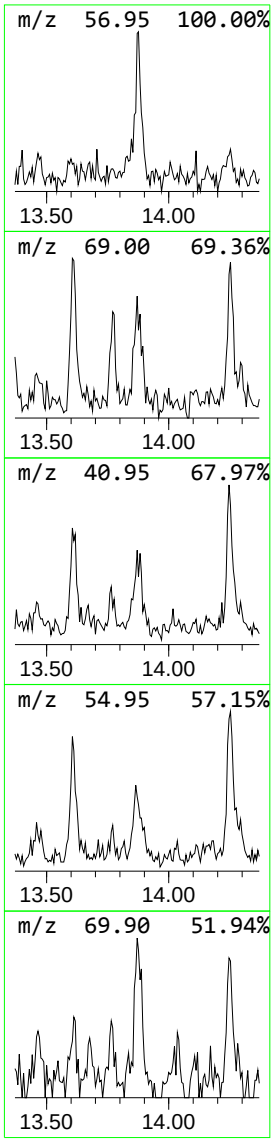
Peak Number 4 unknown13.870 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.870	3.09 ug/l	134215	Chlorobenzene-d5	11.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecane	140	C10H20	000293-96-9	38
2	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	30
3	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	30
4	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	27
5	4-Butyl-cyclohexanone	154	C10H18O	061203-82-5	27





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Data File : VN080990.D
Acq On : 09 Feb 2024 15:33
Operator : JC\MD
Sample : P1415-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
240207098-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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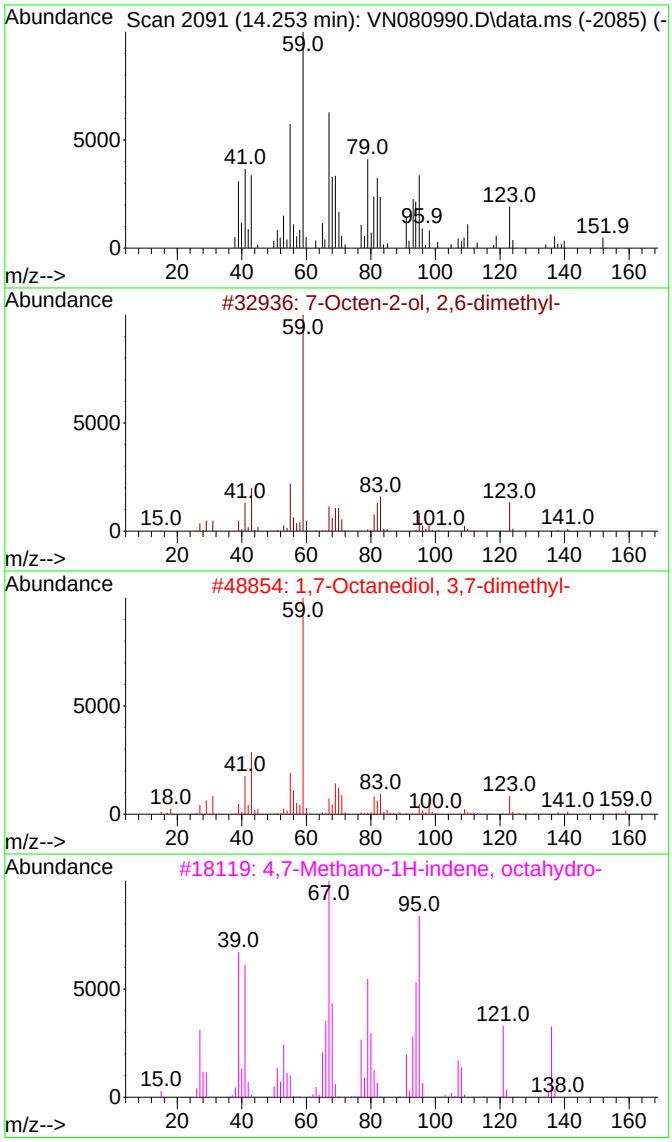
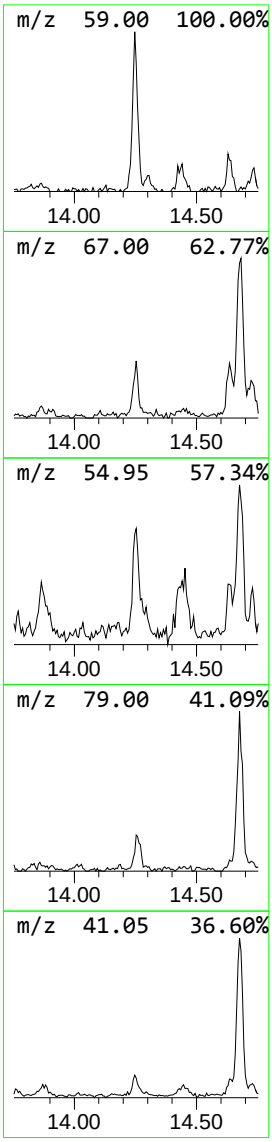
Peak Number 5 unknown14.253 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.253	3.71 ug/l	161476	Chlorobenzene-d5	11.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Octen-2-ol, 2,6-dimethyl-	156	C10H20O	018479-58-8	38
2	1,7-Octanediol, 3,7-dimethyl-	174	C10H22O2	000107-74-4	35
3	4,7-Methano-1H-indene, octahydro-	136	C10H16	006004-38-2	27
4	2-Octanol, 2-methyl-6-methylene-	156	C10H20O	018479-59-9	25
5	3,6-Nonadien-1-ol, (E,Z)-	140	C9H16O	056805-23-3	22





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Data File : VN080990.D
Acq On : 09 Feb 2024 15:33
Operator : JC\MD
Sample : P1415-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
240207098-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

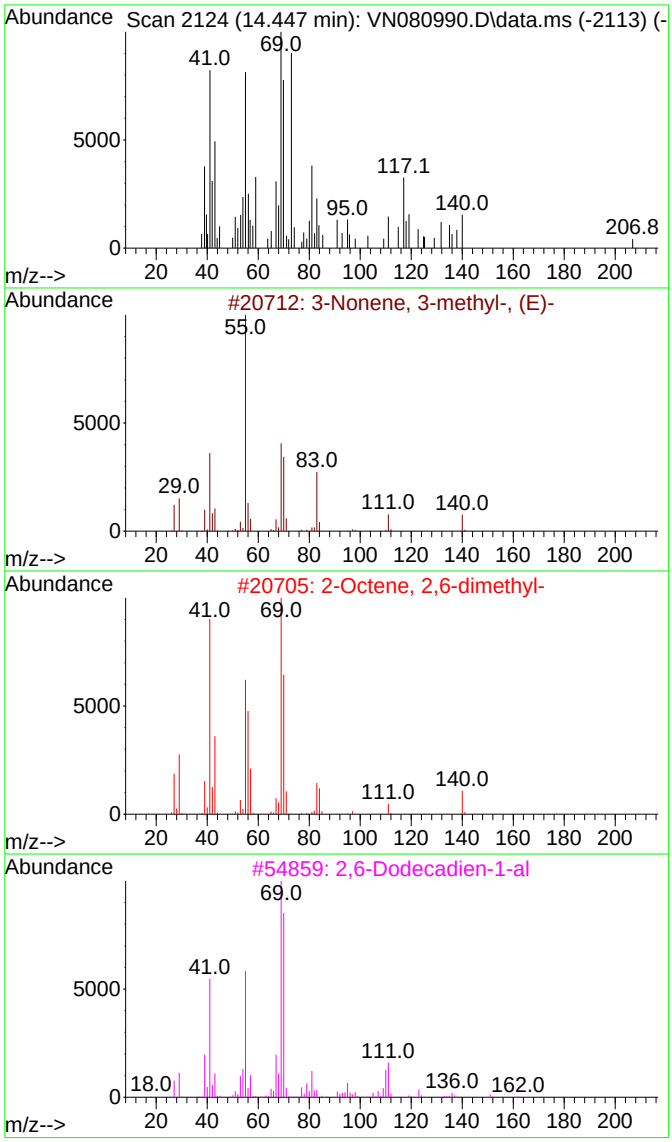
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

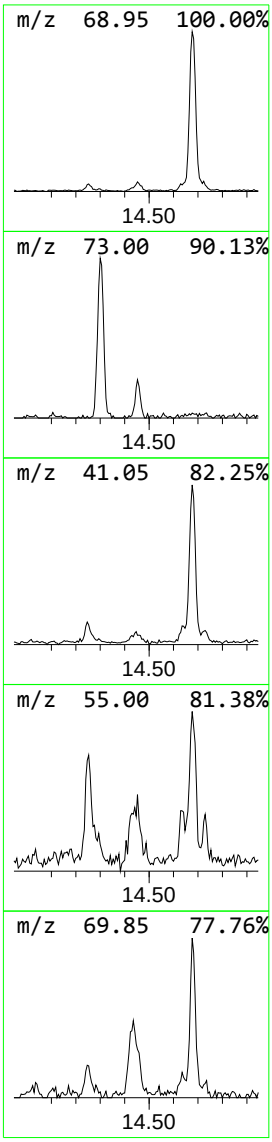
****

Peak Number 6 unknown14.447 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.447	3.15 ug/l	137085	Chlorobenzene-d5	11.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Nonene, 3-methyl-, (E)-	140	C10H20	069405-42-1	49
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	47
3	2,6-Dodecadien-1-al	180	C12H20O	021662-13-5	47
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	38
5	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	38





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Data File : VN080990.D
Acq On : 09 Feb 2024 15:33
Operator : JC\MD
Sample : P1415-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
240207098-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

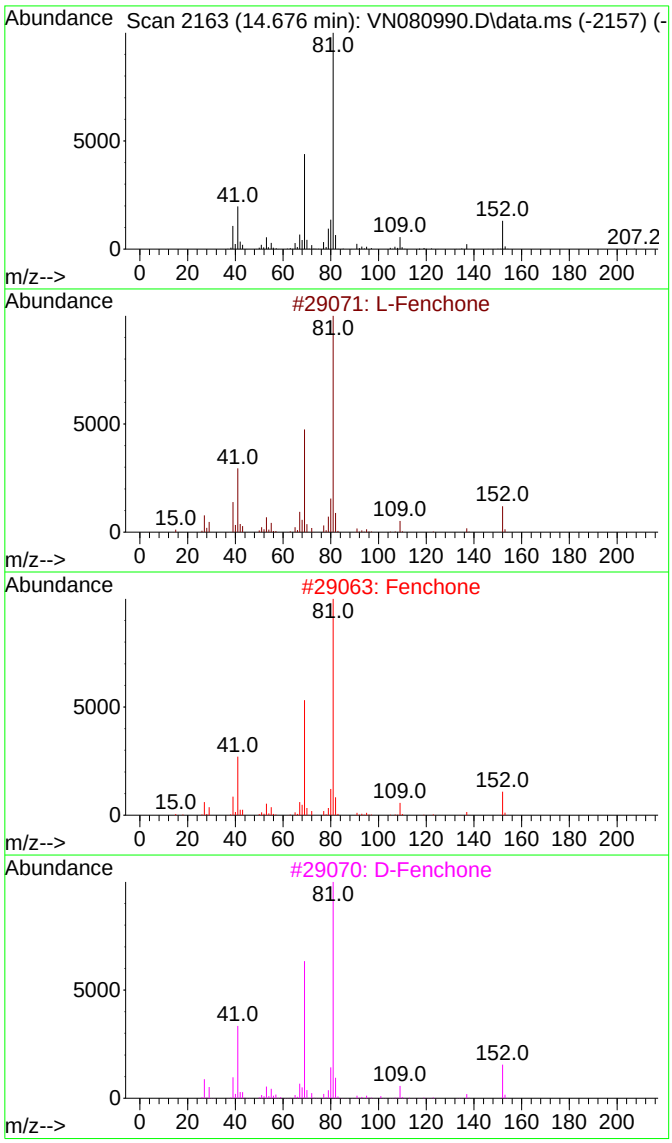
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

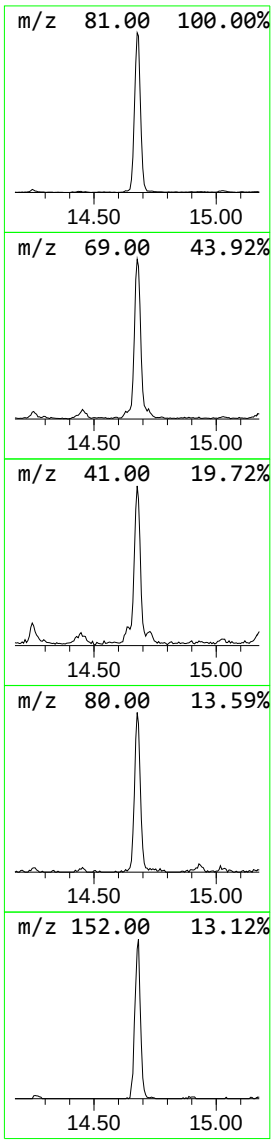
****

Peak Number 7 L-Fenchone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.676	24.51 ug/l	1065910	Chlorobenzene-d5	11.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	L-Fenchone	152	C10H16O	007787-20-4	94
2	Fenchone	152	C10H16O	001195-79-5	93
3	D-Fenchone	152	C10H16O	004695-62-9	90
4	Fenchone	152	C10H16O	001195-79-5	80
5	Fenchone	152	C10H16O	001195-79-5	46





Tentatively Identified Compound (LSC) summary

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MSVOA_N
ClientSampleId :
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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
3-Pentanone, 2,...	11.176	7.1	ug/l	308823	3	11.871	1304820	30.0
7-Oxabicyclo[2....	13.612	3.9	ug/l	167930	3	11.871	1304820	30.0
unknown13.870	13.870	3.1	ug/l	134215	3	11.871	1304820	30.0
unknown14.253	14.253	3.7	ug/l	161476	3	11.871	1304820	30.0
unknown14.447	14.447	3.1	ug/l	137085	3	11.871	1304820	30.0
L-Fenchone	14.676	24.5	ug/l	1065910	3	11.871	1304820	30.0