LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82N091620W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.975	68	73	96	rVB2	73591	138830	1.93%	0.395%
2	3.772	613	632	665	rBV	180569	513330	7.15%	1.461%
3	4.721	900	927	969	rBV	1544054	5432761	75.66%	15.460%
4	6.772	1537	1565	1614	rBV2	2246010	7180151	100.00%	20.432%
5	7.164	1662	1687	1722	rBV	793456	2237657	31.16%	6.368%
6	7.550	1788	1807	1818	rBV	207767	516958	7.20%	1.471%
7	7.627	1819	1831	1850	rVB	346612	834827	11.63%	2.376%
8	7.991	1926	1944	1964	rBV3	275008	723604	10.08%	2.059%
9	8.094	1965	1976	1991	rVB3	54871	136126	1.90%	0.387%
10	8.550	2102	2118	2142	rBV	574031	1196971	16.67%	3.406%
11	10.061	2574	2588	2600	rBV	917094	1708988	23.80%	4.863%
12	10.126	2600	2608	2614	rVV	89757	162612	2.26%	0.463%
13	10.164	2615	2620	2635	rVB2	71292	118562	1.65%	0.337%
14	10.692	2767	2784	2803	rVV	264135	471432	6.57%	1.342%
15	11.315	2960	2978	2985	rBV8	28392	85009	1.18%	0.242%
16	11.380	2985	2998	3017	rVB	909143	1620183	22.56%	4.611%
17	11.479	3018	3029	3047	rVB2	78123	182438	2.54%	0.519%
18	11.592	3048	3064	3075	rBV	170418	340498	4.74%	0.969%
19	11.923	3156	3167	3181	rVB	133949	238714	3.32%	0.679%
20	12.376	3296	3308	3328	rVB	766953	1299072	18.09%	3.697%
21	12.730	3403	3418	3428	rVB8	43484	115945	1.61%	0.330%
22	13.013	3494	3506	3522	rBV2	80521	143002	1.99%	0.407%
23	13.138	3535	3545	3556	rBV2	102805	176451	2.46%	0.502%
24	13.264	3574	3584	3590	rBV	62061	96718	1.35%	0.275%
25	13.318	3590	3601	3614	rVV	893362	1602603	22.32%	4.561%
26	13.380	3614	3620	3631	rVB2	136525	220458	3.07%	0.627%
27	13.518	3656	3663	3675	rBV	56222	88037	1.23%	0.251%
28	13.794	3736	3749	3760	rVV5	149141	307312	4.28%	0.875%
29	13.855	3761	3768	3779	rVB2	108937	177889	2.48%	0.506%
30	14.196	3860	3874	3891	rBV	1128791	1957978	27.27%	5.572%
31	14.550	3975	3984	3996	rBV8	50060	105773	1.47%	0.301%
32	14.617	3997	4005	4016	rBV3	162326	257830	3.59%	0.734%
33	14.775	4043	4054	4058	rBV7	143724	268725	3.74%	0.765%
34	14.820	4059	4068	4076	rVV	1248926	2145665	29.88%	6.106%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82N091620W.M
Title : SW846 8260

35	14.868	4076	4083	4106	rVB4	440405	802652	11.18%	2.284%
36	15.010	4119	4127	4139	rVB6	56051	104061	1.45%	0.296%
37	15.103	4144	4156	4178	rVB	515570	949923	13.23%	2.703%
38	15.434	4249	4259	4278	rVB2	154386	311156	4.33%	0.885%
39	16.125	4463	4474	4488	rVB3	43780	97112	1.35%	0.276%
40	16.312	4521	4532	4546	rVB2	34471	72895	1.02%	0.207%

Sum of corrected areas: 35140908

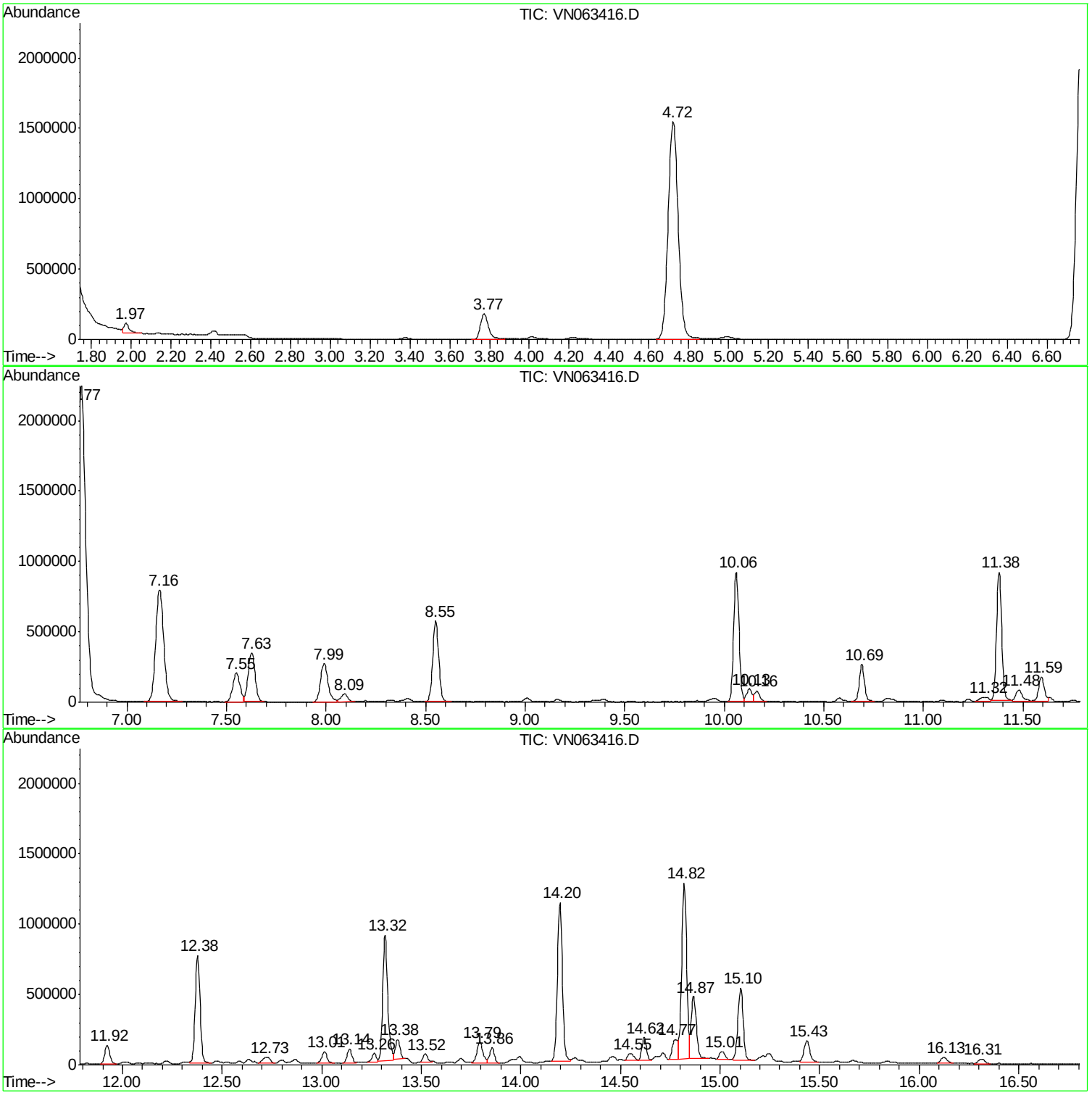
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

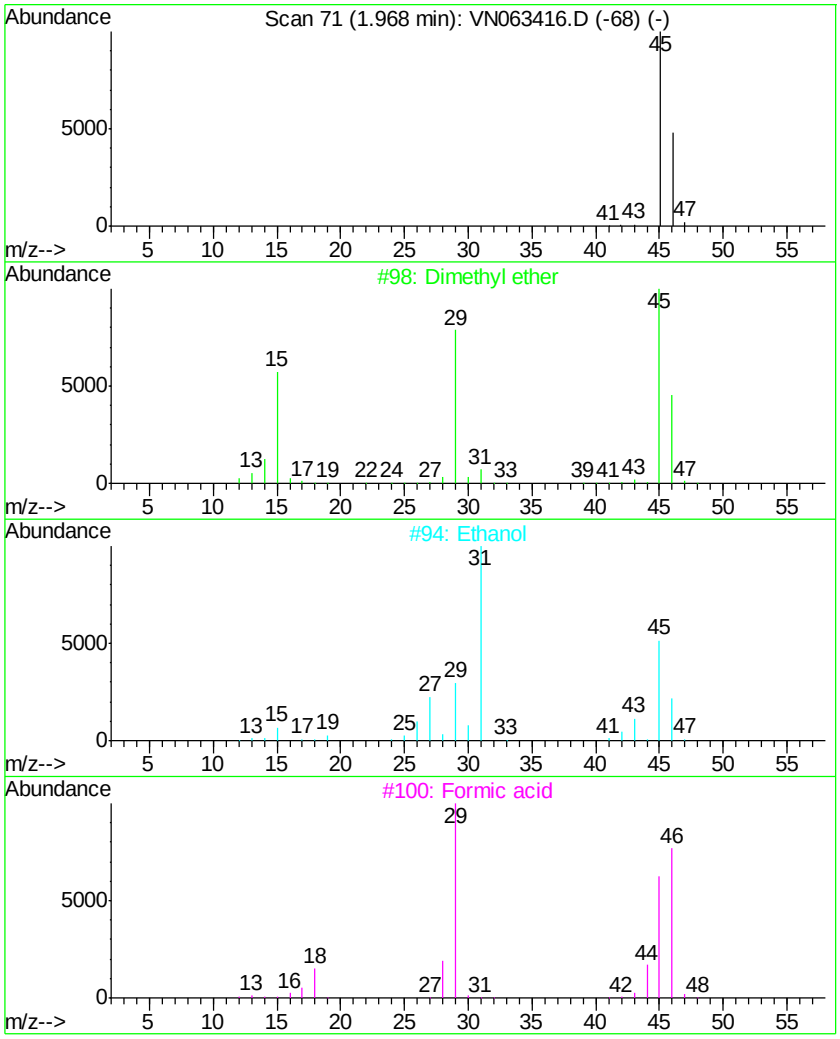
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

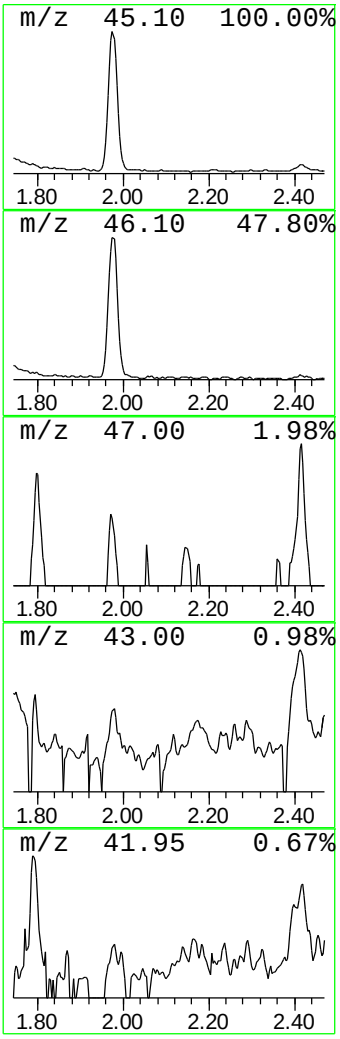
****

Peak Number 1 Dimethyl ether Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.97	8.31 ug/l	138830	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	74
2	Ethanol	46	C2H6O	000064-17-5	7
3	Formic acid	46	CH2O2	000064-18-6	5
4	Propanedioic acid, dihydroxy-	136	C3H4O6	000560-27-0	4
5	Oxalic acid	90	C2H2O4	000144-62-7	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

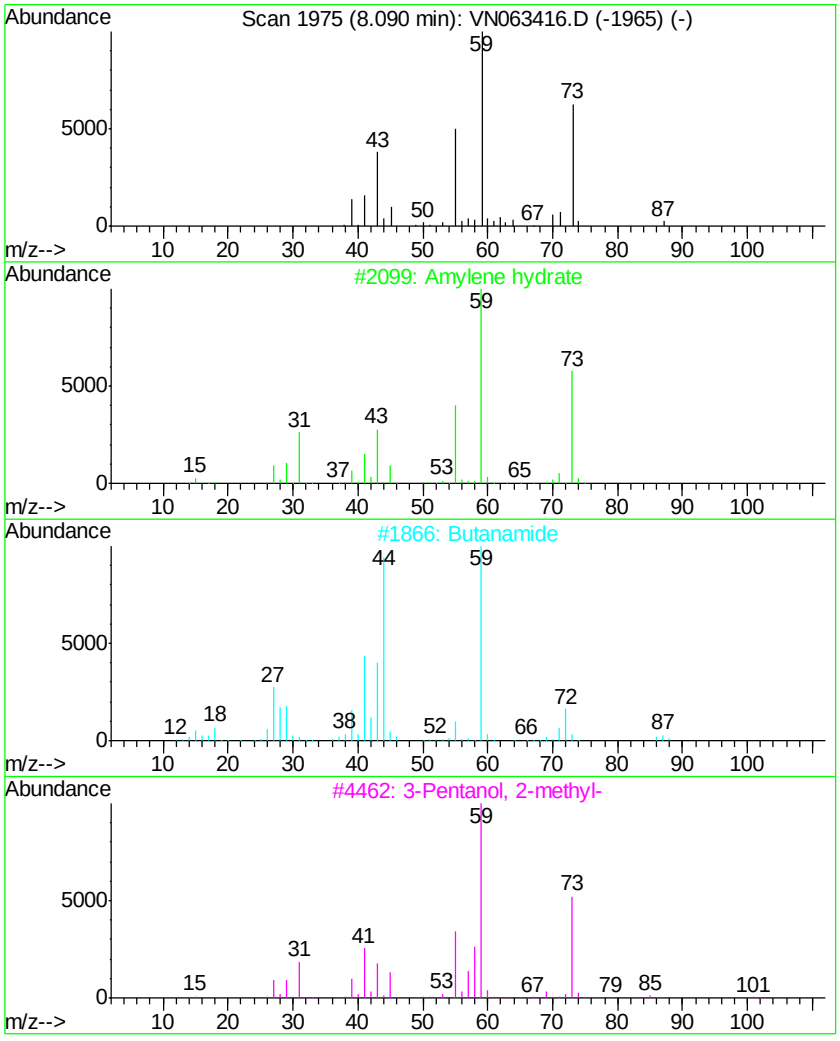
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

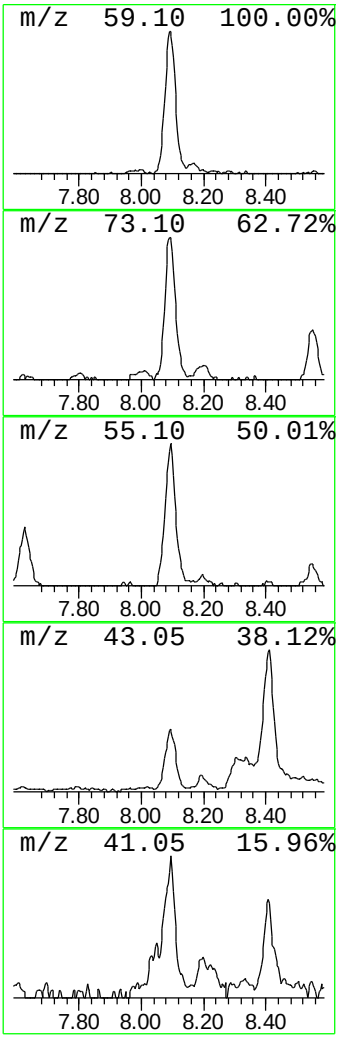
****

Peak Number 2 Amylene hydrate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	5.69 ug/l	136126	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene hydrate	88	C5H12O	000075-85-4	78
2	Butanamide	87	C4H9NO	000541-35-5	45
3	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	43
4	3-Hexanol	102	C6H14O	000623-37-0	39
5	2-Fluoropropene	60	C3H5F	001184-60-7	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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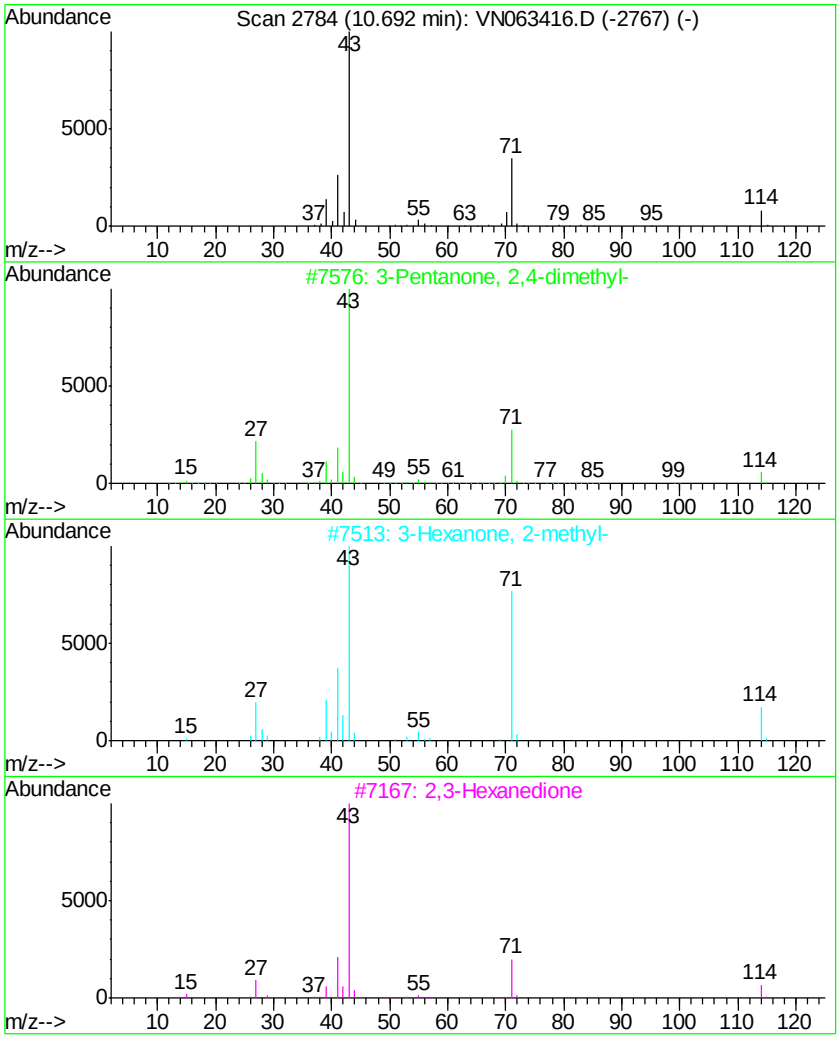
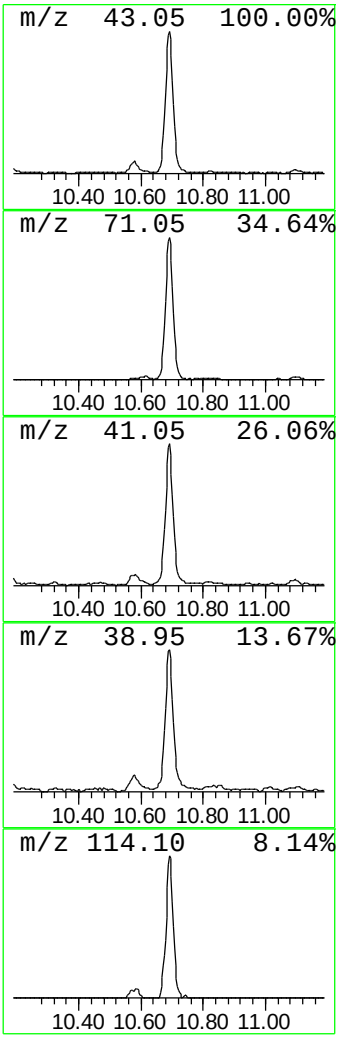
Peak Number 3 3-Pentanone, 2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	14.55 ug/l	471432	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	58
3	2,3-Hexanedione	114	C6H10O2	003848-24-6	50
4	4-Heptanone	114	C7H14O	000123-19-3	42
5	3,4-Dimethyl-2-pentanone	114	C7H14O	1000202-23-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

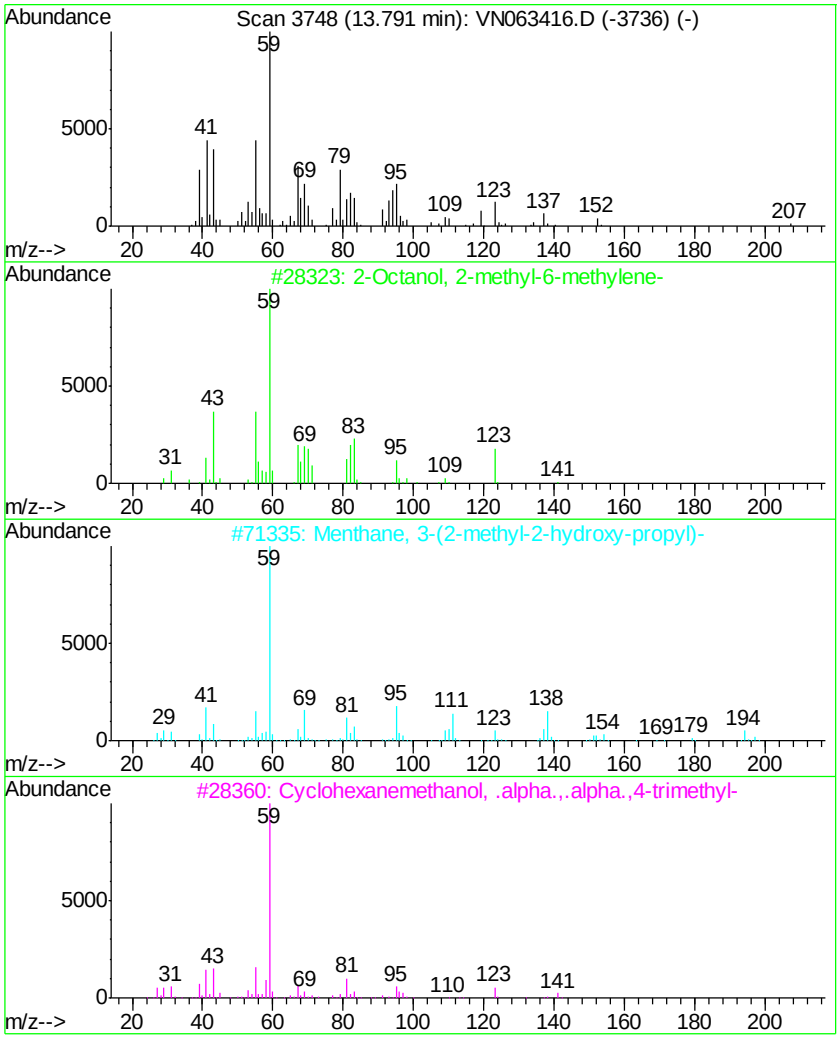
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

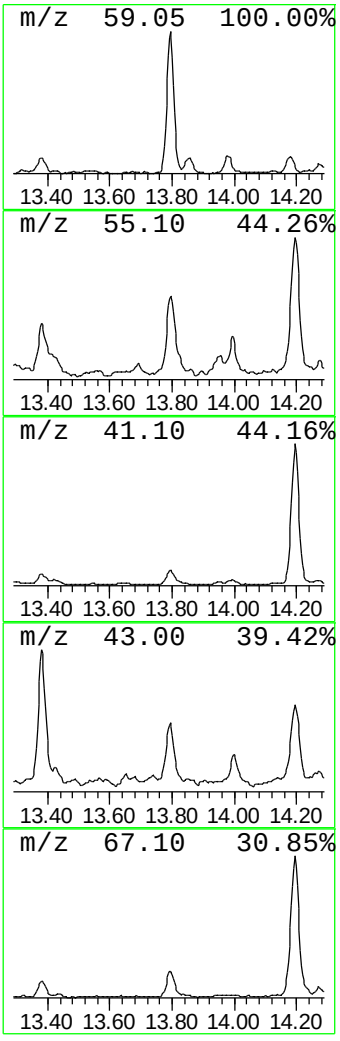
****

Peak Number 4 unknown13.79 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	9.59 ug/l	307312	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanol, 2-methyl-6-methylene-...	156	C10H20O	018479-59-9	47
2	Menthane, 3-(2-methyl-2-hydroxy-...	212	C14H28O	1000160-06-0	47
3	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	43
4	2-Naphthalenemethanol, decahydro...	222	C15H26O	000473-15-4	39
5	Carbonic acid, 3-fluorophenyl 2-...	214	C10H11FO4	1000331-46-3	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

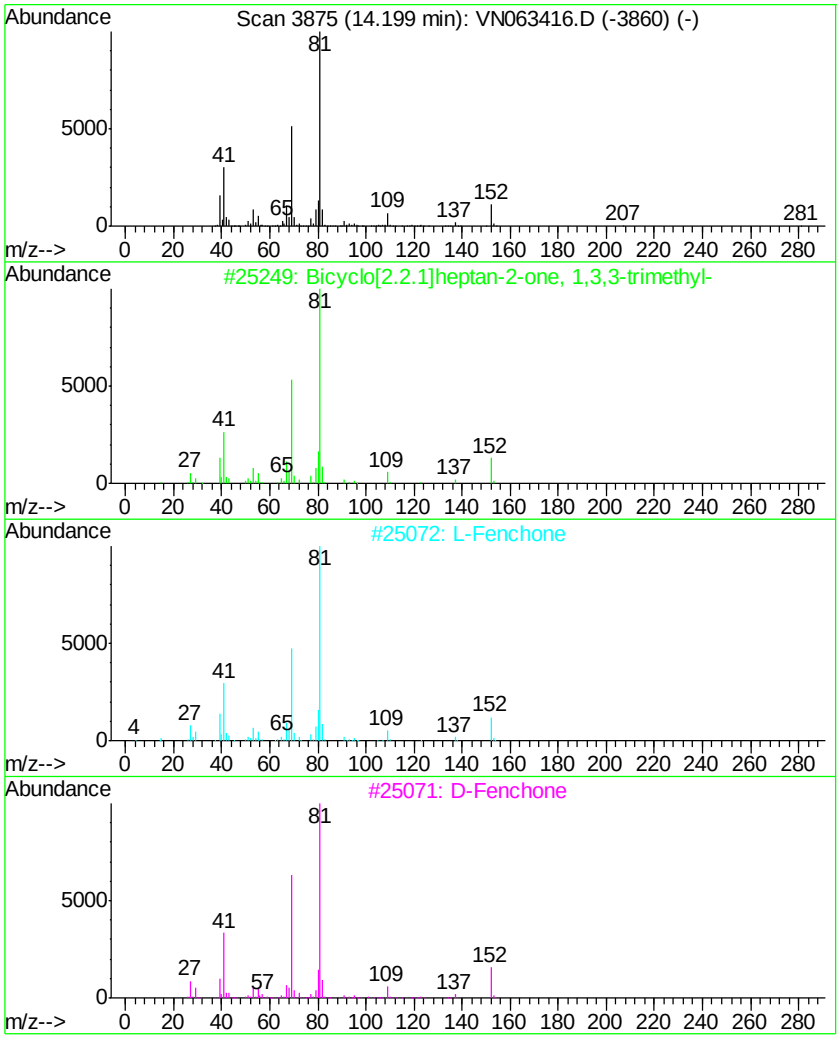
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

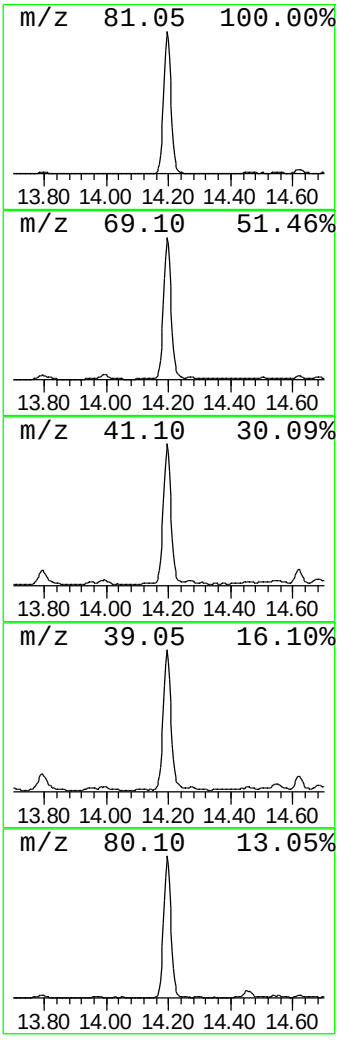
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	61.09 ug/l	1957980	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
2	L-Fenchone	152	C10H16O	007787-20-4	95
3	D-Fenchone	152	C10H16O	004695-62-9	91
4	2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	59
5	Cyclohexane, 1,3-dichloro-, cis-	152	C6H10Cl2	024955-63-3	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

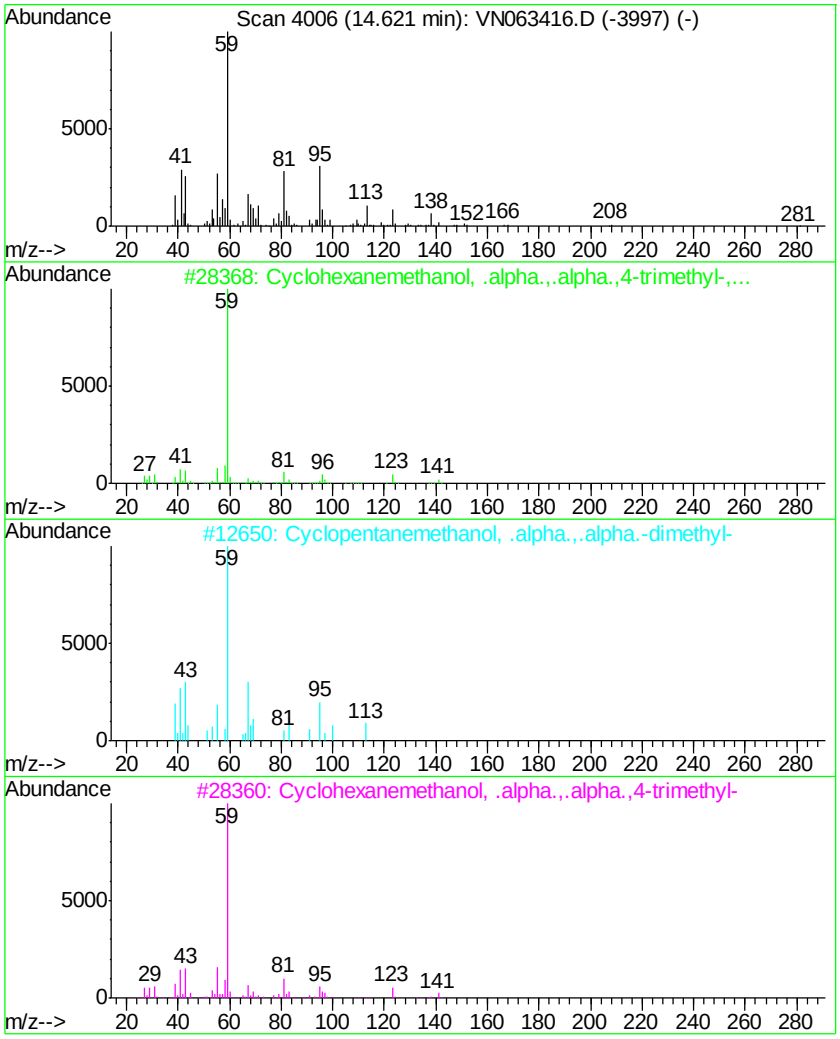
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

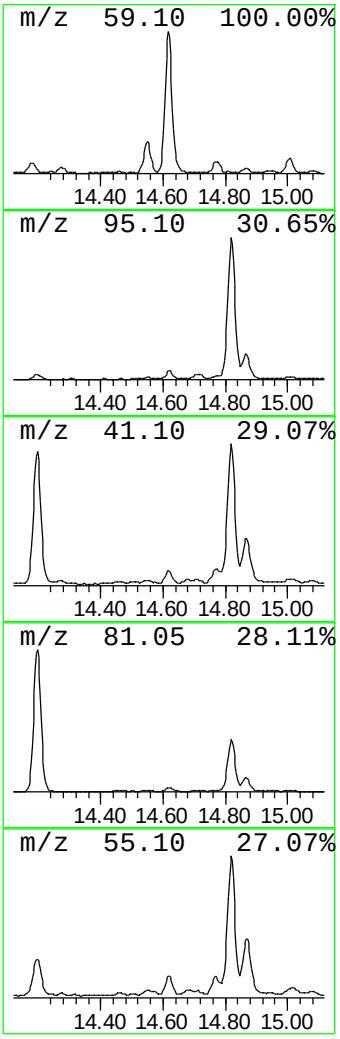
****

Peak Number 6 unknown14.62 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	8.04 ug/l	257830	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	47
2	Cyclopentanemethanol, .alpha.,.a...	128	C8H16O	001462-06-2	42
3	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	40
4	2-(3,4-Dibromo-4-methylcyclohexy...	312	C10H18Br2O	110202-13-6	40
5	2-Hydroxy-2-methylundec-5-en-3-one	198	C12H22O2	1000191-46-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

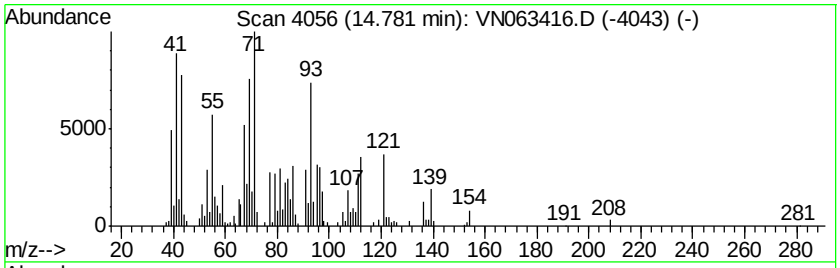
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

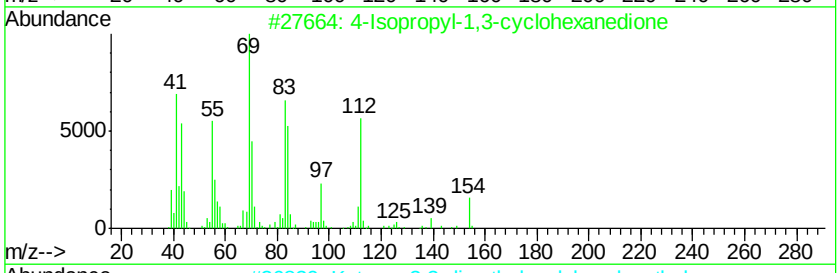
****

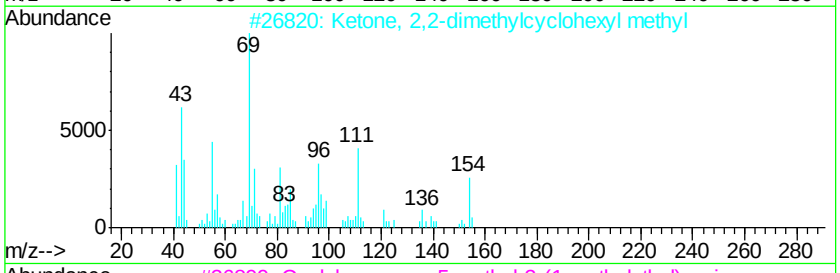
Peak Number 7 unknown14.78 Concentration Rank 7

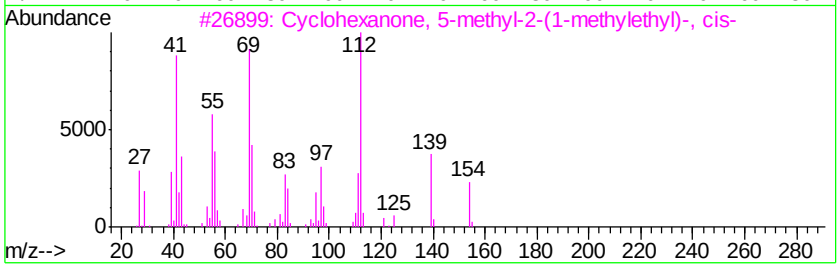
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	8.38 ug/l	268725	1,4-Dichlorobenzene-d4	13.32

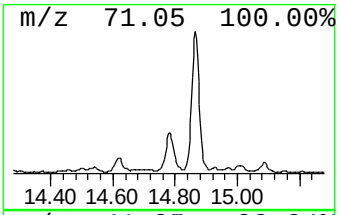
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Isopropyl-1,3-cyclohexanedione	154	C9H14O2	062831-62-3	38
2	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	38
3	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000491-07-6	35
4	l-Menthone	154	C10H18O	014073-97-3	35
5	Terpinen-4-ol	154	C10H18O	000562-74-3	30

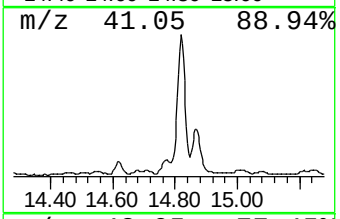


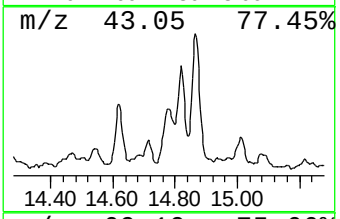


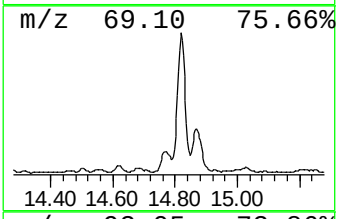


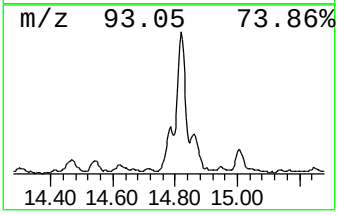












Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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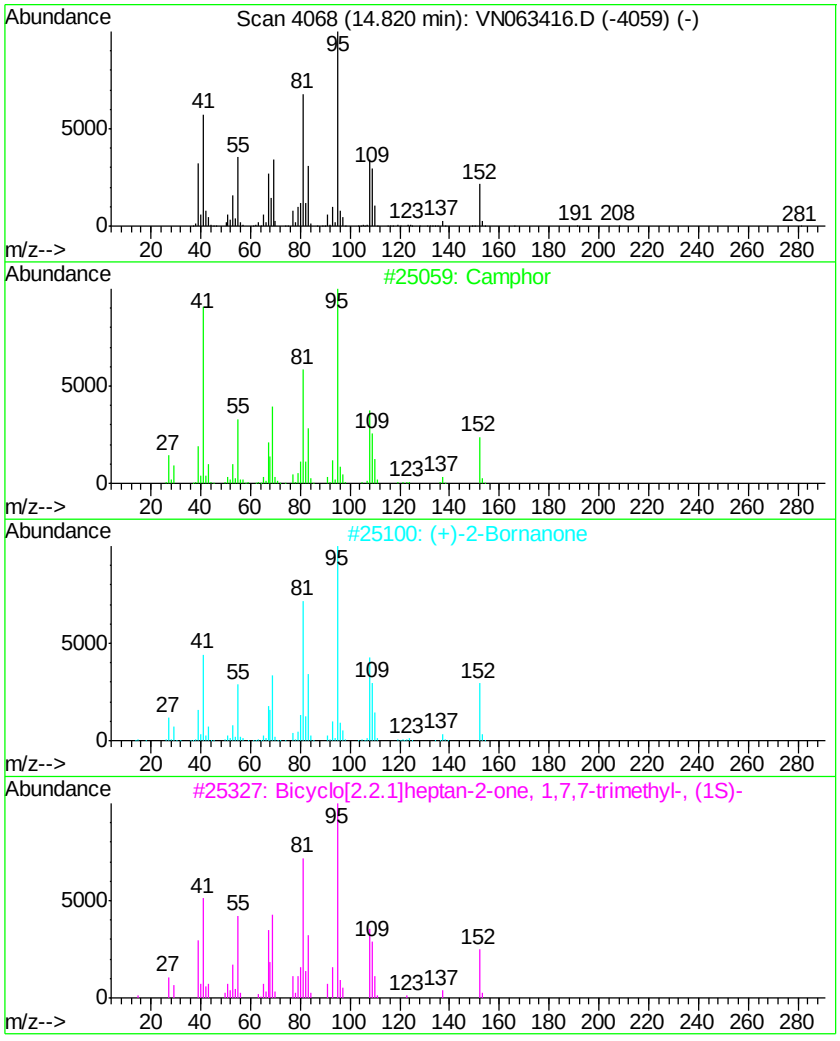
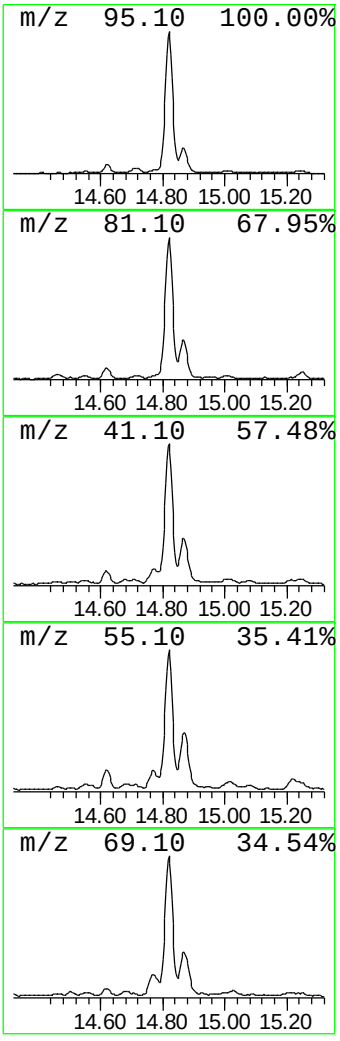
Peak Number 8 Camphor Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	66.94 ug/l	2145670	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	97
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	76
4	5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	006752-80-3	58
5	2-Butanone, 4-(5-methyl-2-furanyl)-	152	C9H12O2	013679-56-6	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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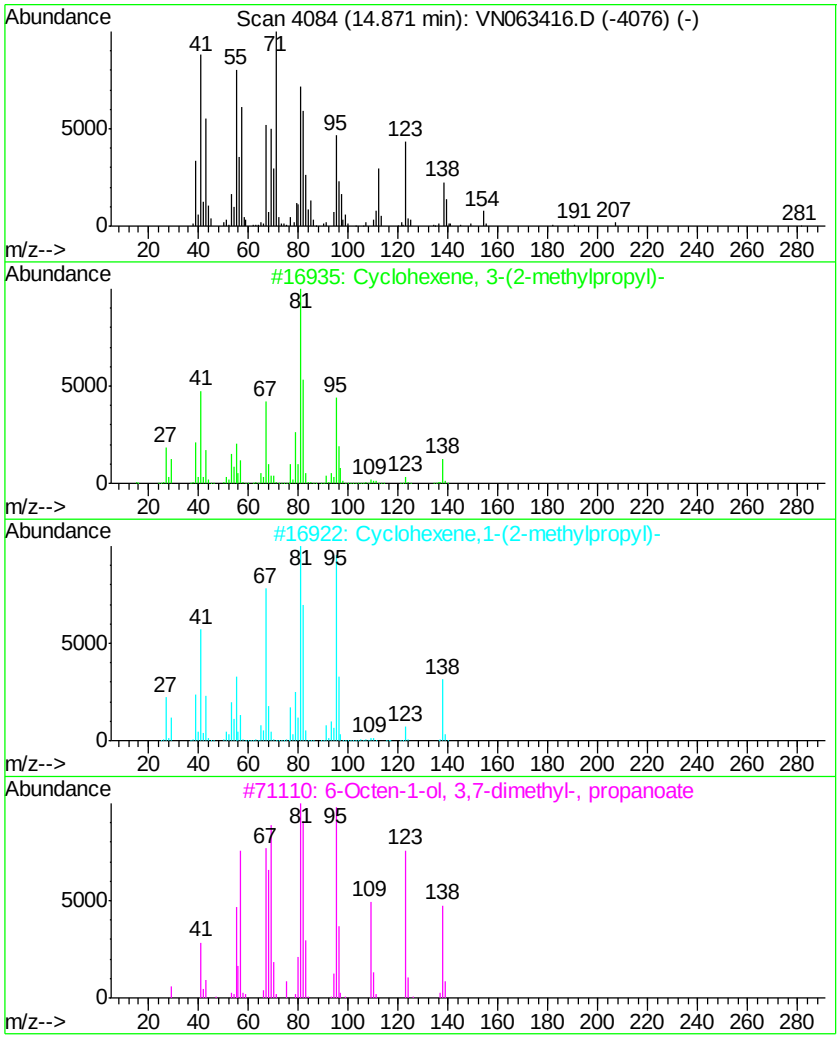
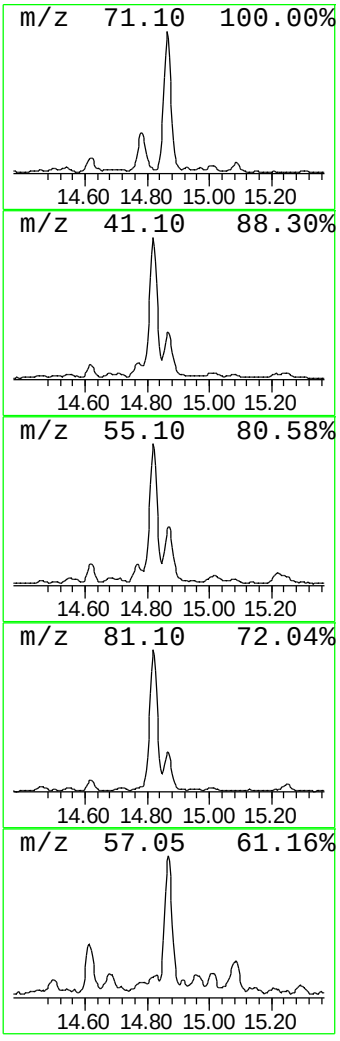
Peak Number 9 unknown14.87 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	25.04 ug/l	802652	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-(2-methylpropyl)-	138	C10H18	004104-56-7	49
2	Cyclohexene,1-(2-methylpropyl)-	138	C10H18	003983-03-7	49
3	6-Octen-1-ol, 3,7-dimethyl-, pro...	212	C13H24O2	000141-14-0	47
4	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	001490-04-6	43
5	2,7-Octadiene, 4-methyl-	124	C9H16	1000061-78-0	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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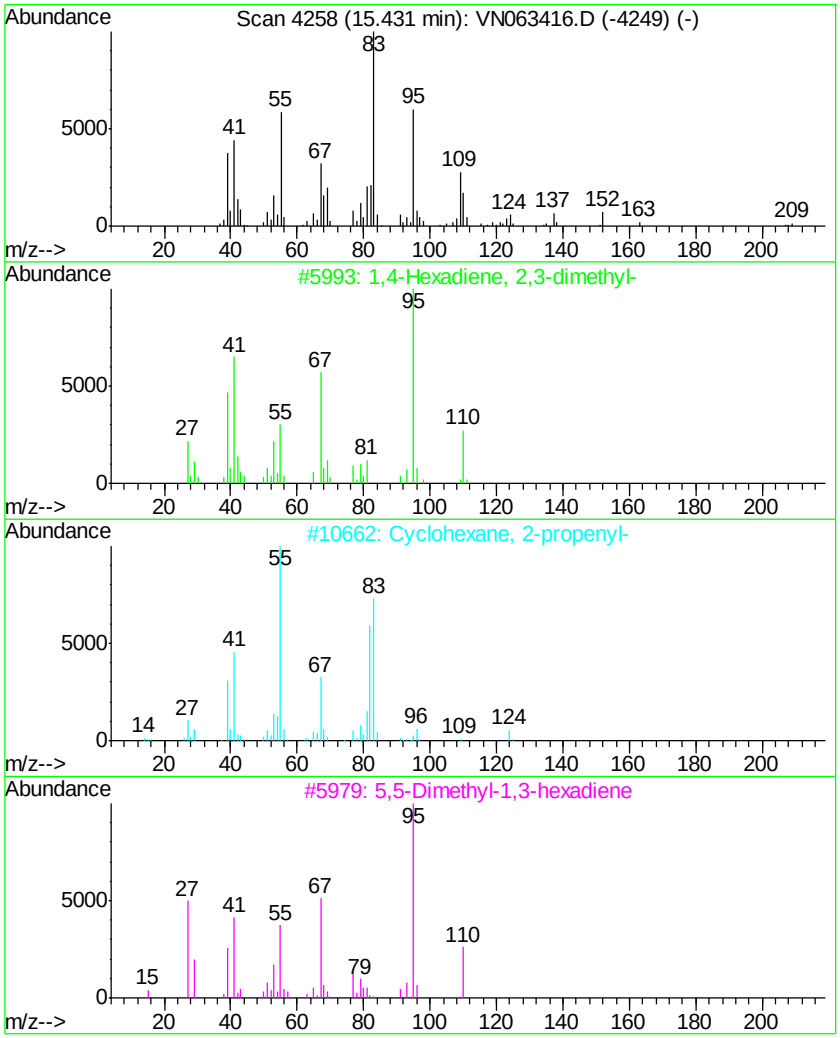
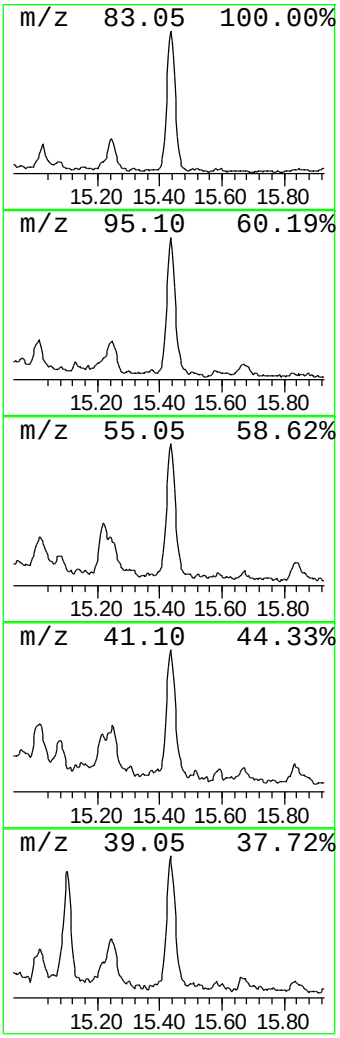
Peak Number 10 unknown15.43 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	9.71 ug/l	311156	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	38
2	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	38
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	38
4	Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	38
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091720\
Data File : VN063416.D
Acq On : 17 Sep 2020 14:02
Operator : JC/MD
Sample : L4050-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 200916080-01-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dimethyl ether	1.97	8.3	ug/l	138830	1	7.63	834827	50.0
Amylene hydrate	8.09	5.7	ug/l	136126	2	8.55	1196970	50.0
3-Pentanone, 2,4-...	10.69	14.6	ug/l	471432	3	11.38	1620180	50.0
unknown13.79	13.79	9.6	ug/l	307312	4	13.32	1602600	50.0
Bicyclo[2.2.1]hep...	14.20	61.1	ug/l	1957980	4	13.32	1602600	50.0
unknown14.62	14.62	8.0	ug/l	257830	4	13.32	1602600	50.0
unknown14.78	14.78	8.4	ug/l	268725	4	13.32	1602600	50.0
Camphor	14.82	66.9	ug/l	2145670	4	13.32	1602600	50.0
unknown14.87	14.87	25.0	ug/l	802652	4	13.32	1602600	50.0
unknown15.43	15.43	9.7	ug/l	311156	4	13.32	1602600	50.0