LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
Data File : VW015245.D
Acq On : 21 Apr 2020 00:44
Operator : SY/VA
Sample : L2304-15
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-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_W\METHOD\82W042020S.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	2.148	34	40	47	rBV	8872	17267	2.93%	0.378%
2	2.251	47	57	58	rBV5	3868	10556	1.79%	0.231%
3	2.331	66	70	77	rBV3	3980	7220	1.22%	0.158%
4	2.501	92	98	103	rBV	22276	36986	6.28%	0.810%
5	2.635	115	120	131	rBV10	4990	14324	2.43%	0.314%
6	4.001	336	344	353	rBV	7666	19038	3.23%	0.417%
7	4.123	353	364	379	rBV	73051	197182	33.46%	4.316%
8	4.379	399	406	418	rVB	11947	34582	5.87%	0.757%
9	4.922	482	495	509	rBV2	9469	30820	5.23%	0.675%
10	6.897	809	819	832	rBV2	34754	98767	16.76%	2.162%
11	7.141	849	859	875	rBV2	40714	155665	26.41%	3.407%
12	7.884	971	981	985	rBV	19653	46032	7.81%	1.007%
13	7.945	985	991	1003	rVB	164301	361010	61.25%	7.901%
14	8.305	1037	1050	1060	rBV	66888	150784	25.58%	3.300%
15	8.555	1082	1091	1105	rVB4	4775	12865	2.18%	0.282%
16	8.707	1108	1116	1123	rBV2	9945	22253	3.78%	0.487%
17	8.842	1130	1138	1148	rVB	211940	412378	69.97%	9.026%
18	9.031	1163	1169	1177	rBV2	3528	7630	1.29%	0.167%
19	9.287	1205	1211	1218	rBV	18189	34907	5.92%	0.764%
20	9.409	1224	1231	1242	rVB	55787	110935	18.82%	2.428%
21	9.665	1267	1273	1282	rVB	4658	9205	1.56%	0.201%
22	10.207	1356	1362	1371	rBV	6325	11510	1.95%	0.252%
23	10.323	1372	1381	1389	rBV	331456	589393	100.00%	12.900%
24	10.701	1437	1443	1448	rBV2	3873	7481	1.27%	0.164%
25	10.853	1461	1468	1475	rVB5	2557	6088	1.03%	0.133%
26	10.969	1478	1487	1493	rBV	29669	50271	8.53%	1.100%
27	11.067	1497	1503	1514	rBV2	61023	104699	17.76%	2.292%
28	11.439	1553	1564	1572	rBV	9978	18946	3.21%	0.415%
29	11.628	1587	1595	1605	rBV	281566	479227	81.31%	10.489%
30	11.872	1631	1635	1643	rVB6	4113	8419	1.43%	0.184%
31	12.158	1678	1682	1688	rVV3	4477	8411	1.43%	0.184%
32	12.231	1688	1694	1705	rVB	47858	76281	12.94%	1.670%
33	12.335	1705	1711	1722	rBV	24773	41655	7.07%	0.912%
34	12.615	1749	1757	1765	rVB2	244741	407292	69.10%	8.914%

LSC Area Percent Report

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Acq On : 21 Apr 2020 00:44
Operator : SY/VA
Sample : L2304-15
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-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_W\METHOD\82W042020S.M
Title : SW846 8260

35	12.932	1805	1809	1815	rVB2	13809	20736	3.52%	0.454%
36	13.079	1827	1833	1844	rVB6	8363	17022	2.89%	0.373%
37	13.207	1850	1854	1857	rBV3	3877	6592	1.12%	0.144%
38	13.249	1857	1861	1863	rVV2	6030	9978	1.69%	0.218%
39	13.292	1863	1868	1874	rVB2	32703	54531	9.25%	1.194%
40	13.396	1878	1885	1890	rBV4	16421	27716	4.70%	0.607%
41	13.554	1898	1911	1919	rBV	260787	456809	77.50%	9.998%
42	13.646	1919	1926	1933	rVB	43158	70446	11.95%	1.542%
43	13.871	1957	1963	1967	rBV4	5848	12240	2.08%	0.268%
44	14.018	1983	1987	1991	rBV3	10060	15778	2.68%	0.345%
45	14.072	1991	1996	2003	rVB	10848	21629	3.67%	0.473%
46	14.219	2012	2020	2026	rBV	29528	51300	8.70%	1.123%
47	14.322	2031	2037	2043	rVB7	8401	15370	2.61%	0.336%
48	14.432	2049	2055	2063	rVB	27274	47727	8.10%	1.045%
49	14.688	2092	2097	2102	rBV	11210	18759	3.18%	0.411%
50	14.731	2102	2104	2109	rVB6	4142	5966	1.01%	0.131%
51	14.865	2118	2126	2131	rBV3	15229	26234	4.45%	0.574%
52	15.066	2153	2159	2167	rBV2	32020	55821	9.47%	1.222%
53	15.206	2175	2182	2192	rVB2	7438	18132	3.08%	0.397%
54	15.371	2204	2209	2213	rBV2	3515	7126	1.21%	0.156%
55	15.438	2216	2220	2224	rVV	5474	8948	1.52%	0.196%

Sum of corrected areas: 4568939

LSC Report - Integrated Chromatogram

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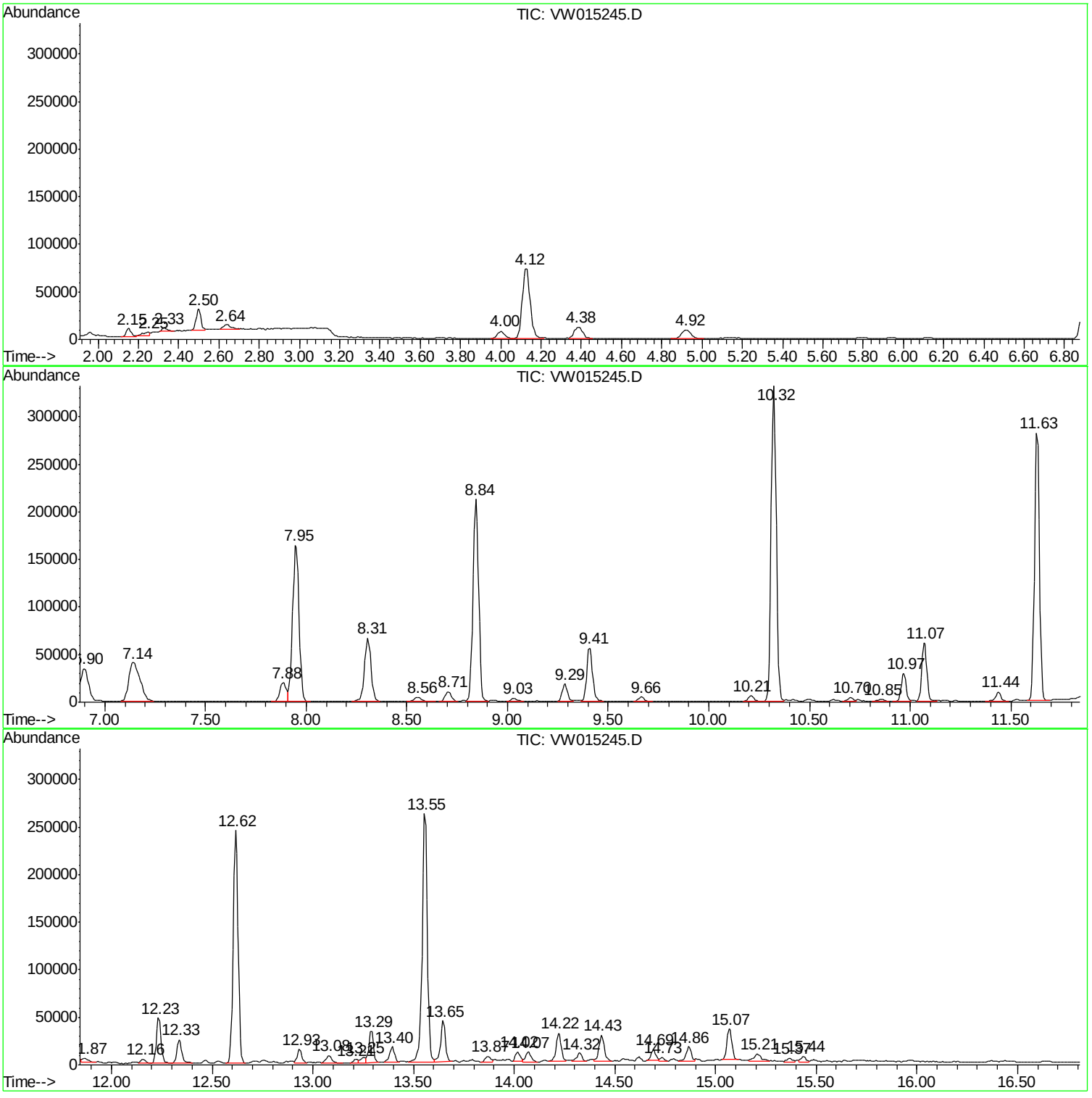
Operator : SY/VA
Sample : L2304-15
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042020\
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Operator : SY/VA
Sample : L2304-15
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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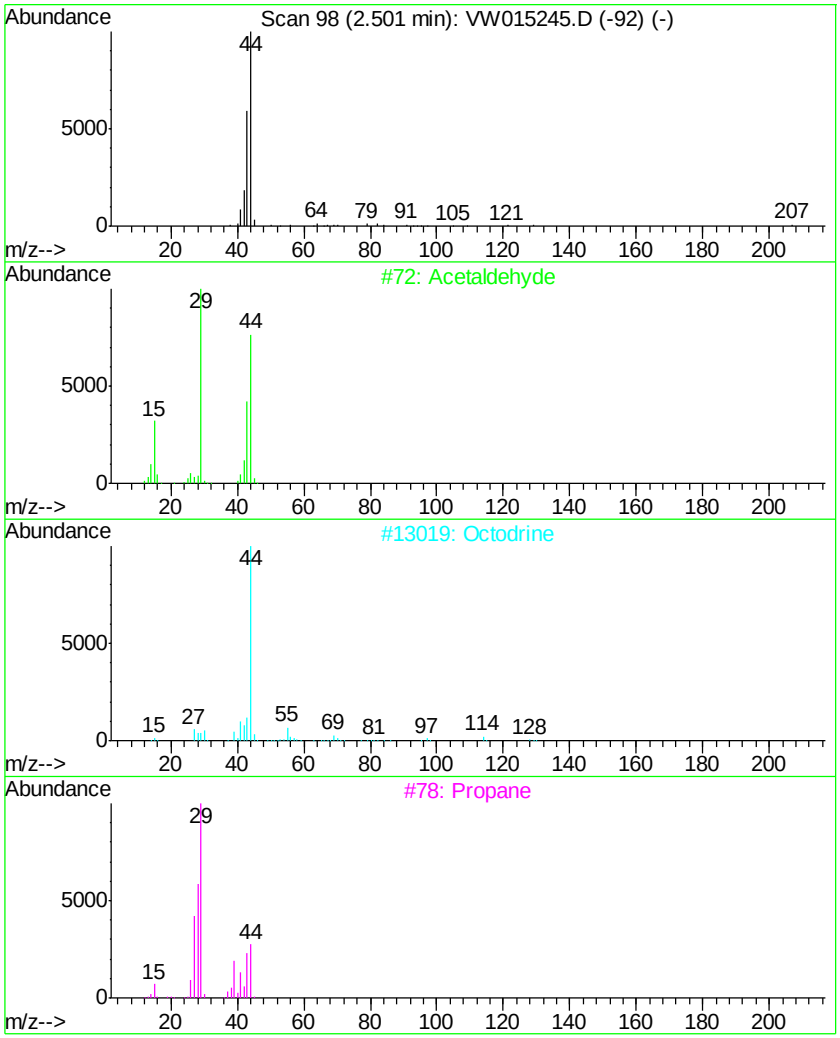
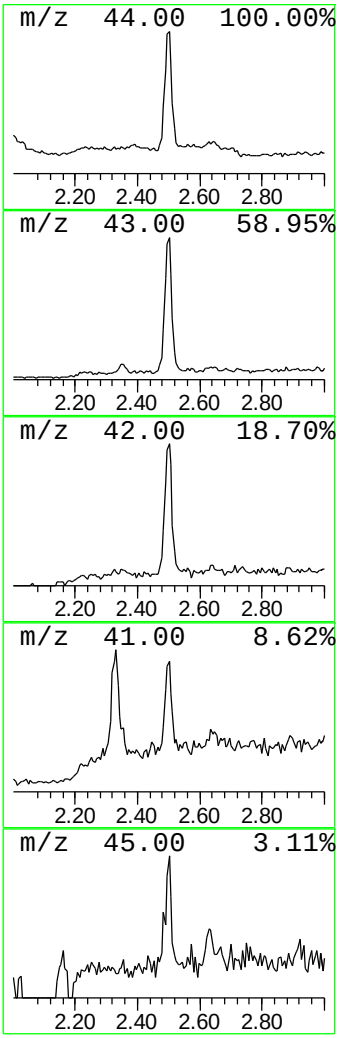
Peak Number 1 Acetaldehyde Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.50	5.12 ug/l	36986	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	56
2	Octodrine	129	C8H19N	000543-82-8	5
3	Propane	44	C3H8	000074-98-6	5
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	2-Heptanamine, 5-methyl-	129	C8H19N	053907-81-6	4





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Data File : VW015245.D
Acq On : 21 Apr 2020 00:44
Operator : SY/VA
Sample : L2304-15
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260

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

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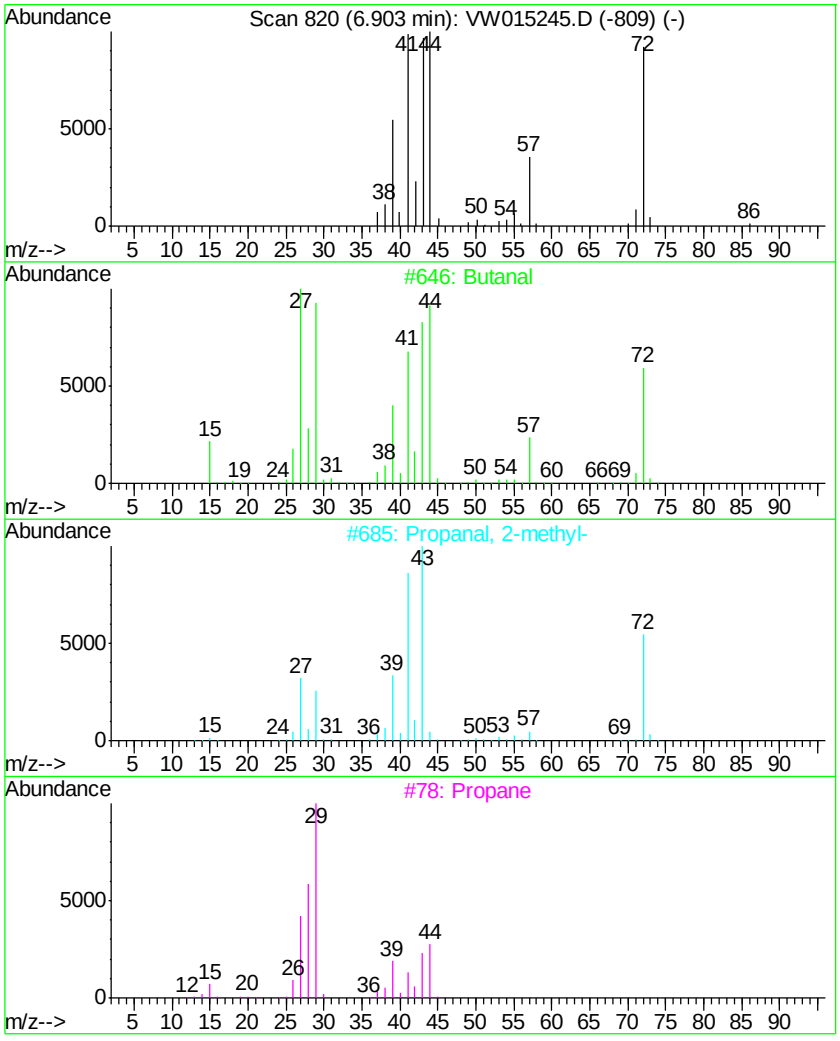
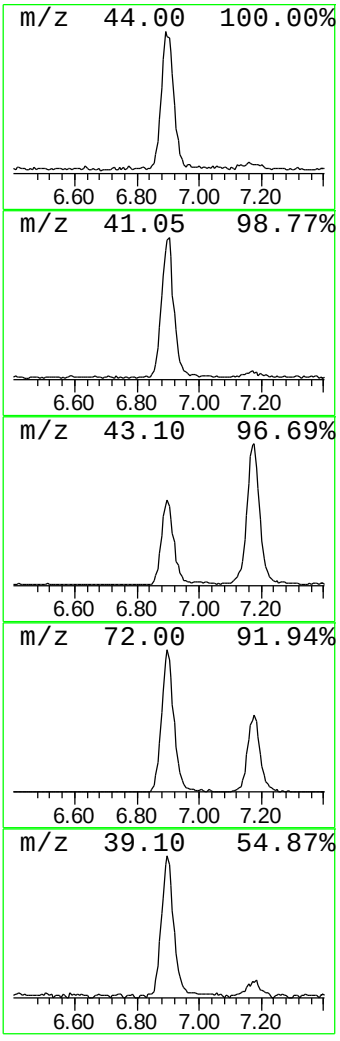
Peak Number 2 Butanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	13.68 ug/l	98767	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	80
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	43
3	Propane	44	C3H8	000074-98-6	43
4	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	37
5	1-Propene, 1-methoxy-	72	C4H8O	007319-16-6	35





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Data File : VW015245.D
Acq On : 21 Apr 2020 00:44
Operator : SY/VA
Sample : L2304-15
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260

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

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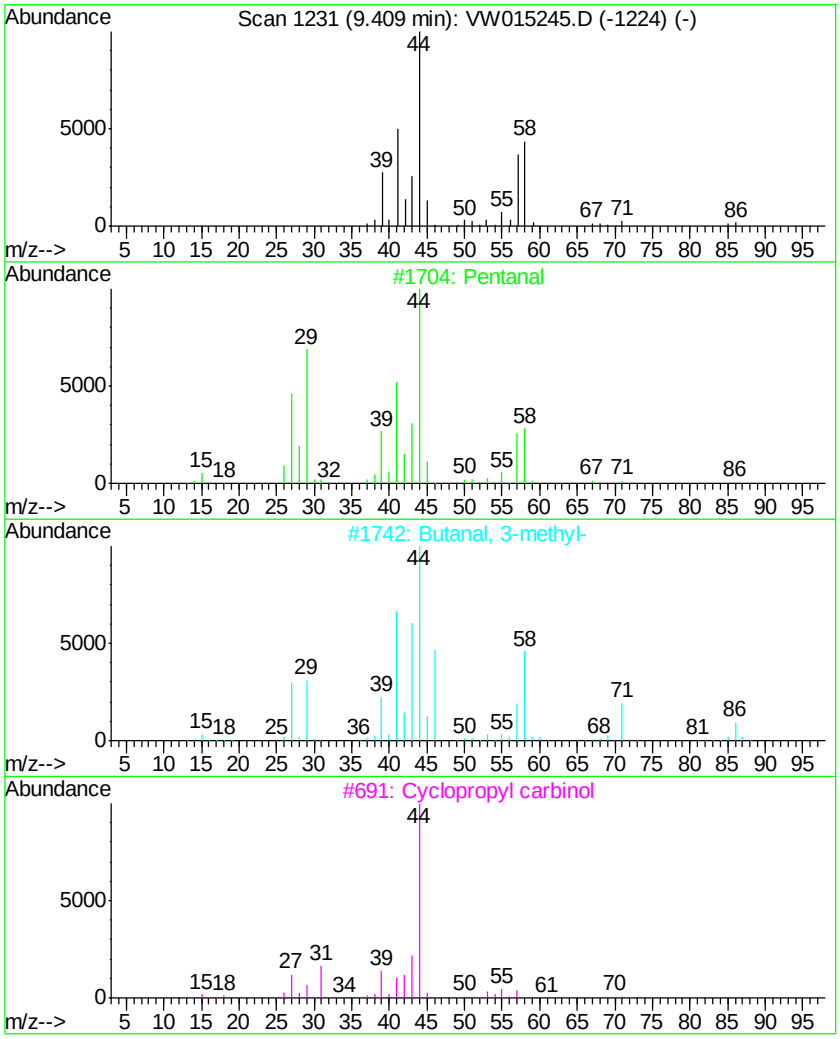
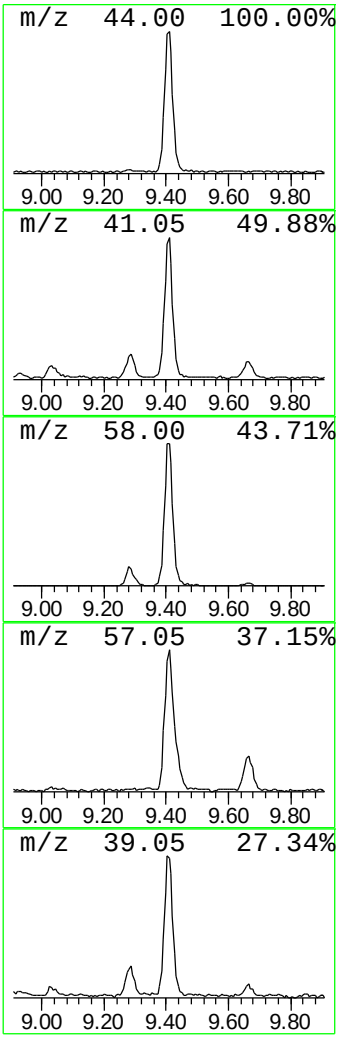
Peak Number 3 Pentanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	13.45 ug/l	110935	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	90
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	83
3	Cyclopropyl carbinol	72	C4H8O	002516-33-8	33
4	2-Propanamine	59	C3H9N	000075-31-0	9
5	Ala-gly, trimethylsilyl ester	218	C8H18N2O3Si	1000333-70-1	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
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Operator : SY/VA
Sample : L2304-15
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260

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

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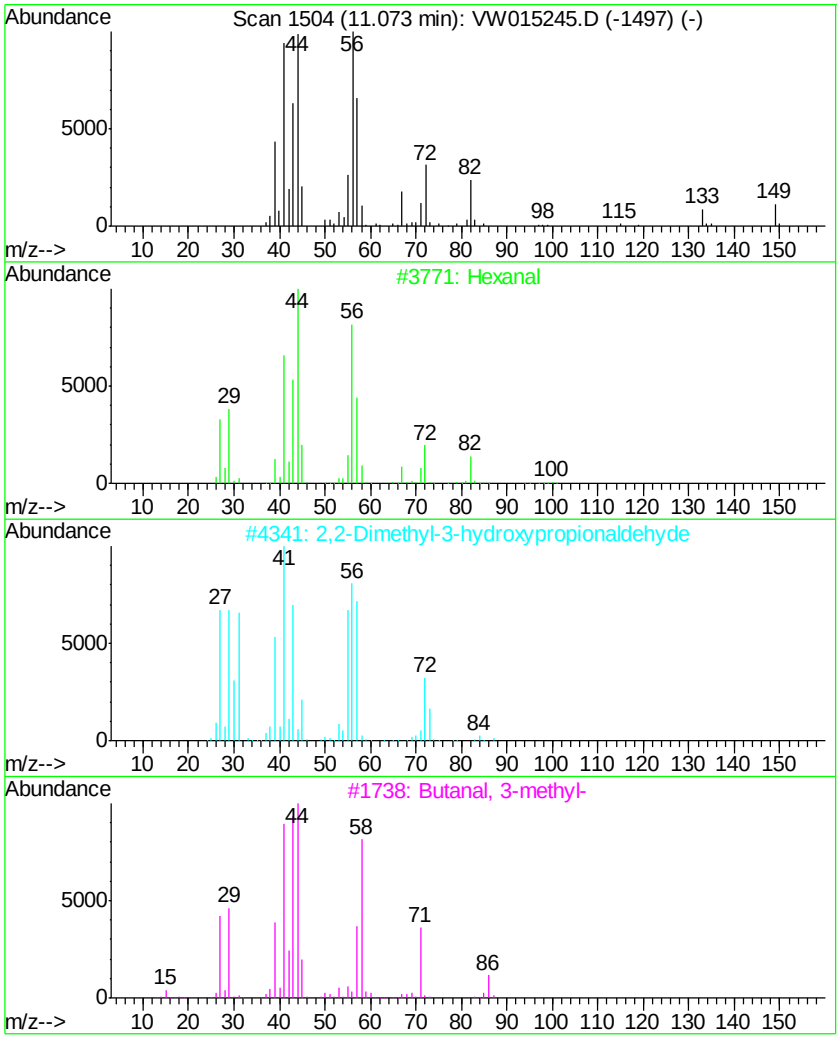
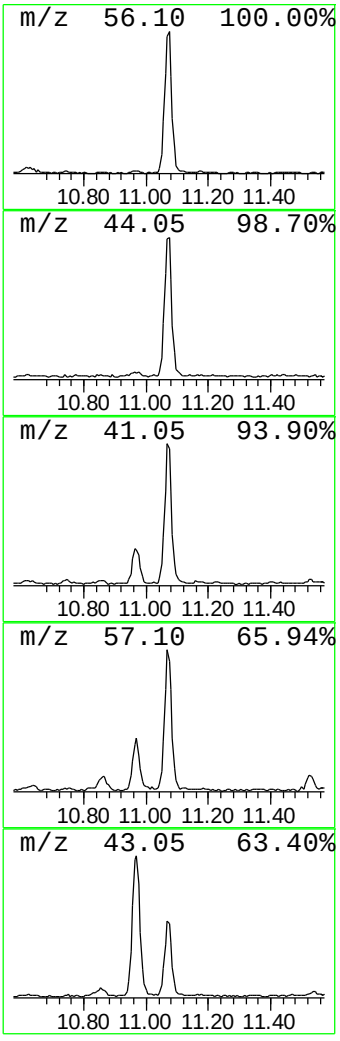
Peak Number 4 Hexanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	10.92 ug/l	104699	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	59
2	2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	38
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	32
4	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	22
5	Butanal	72	C4H8O	000123-72-8	22





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Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260

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

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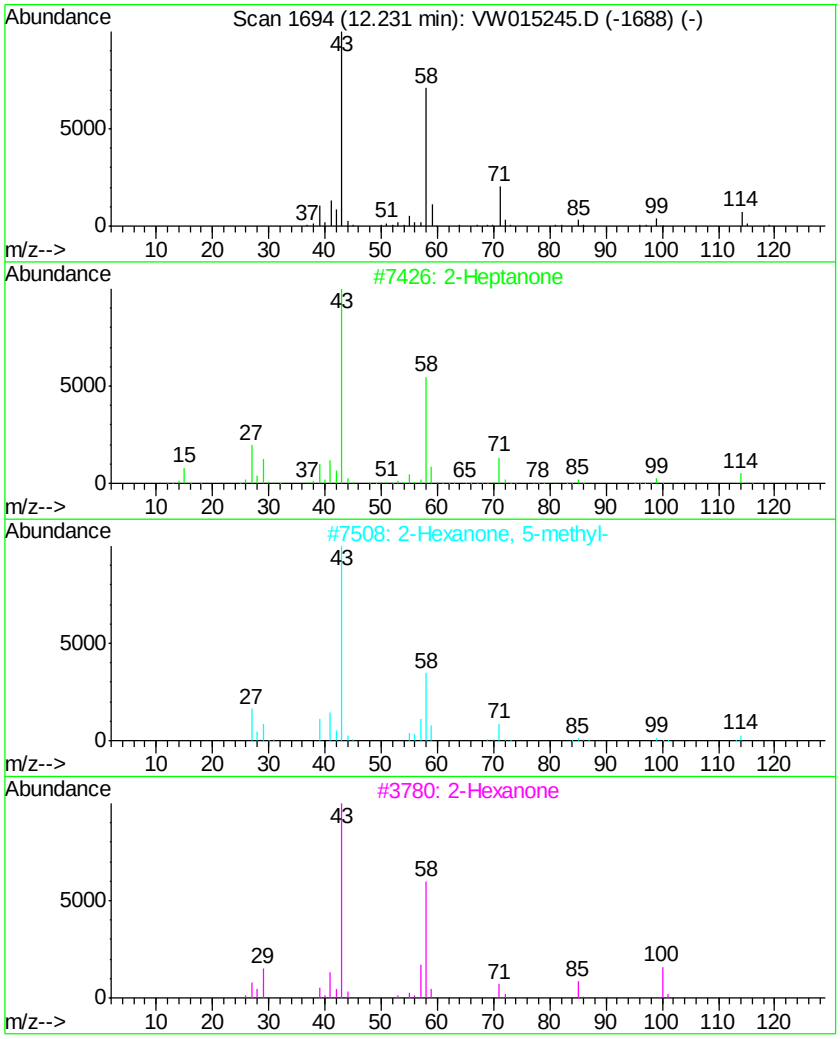
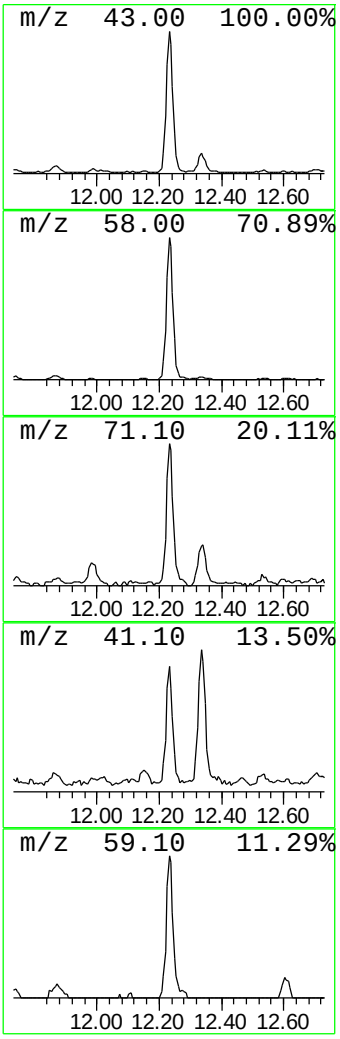
Peak Number 5 2-Heptanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	7.96 ug/l	76281	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	83
3	2-Hexanone	100	C6H12O	000591-78-6	59
4	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	47
5	Butane, 2-(ethenyloxy)-2-methyl-	114	C7H14O	029281-39-8	47





Library Search Compound Report

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ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260

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

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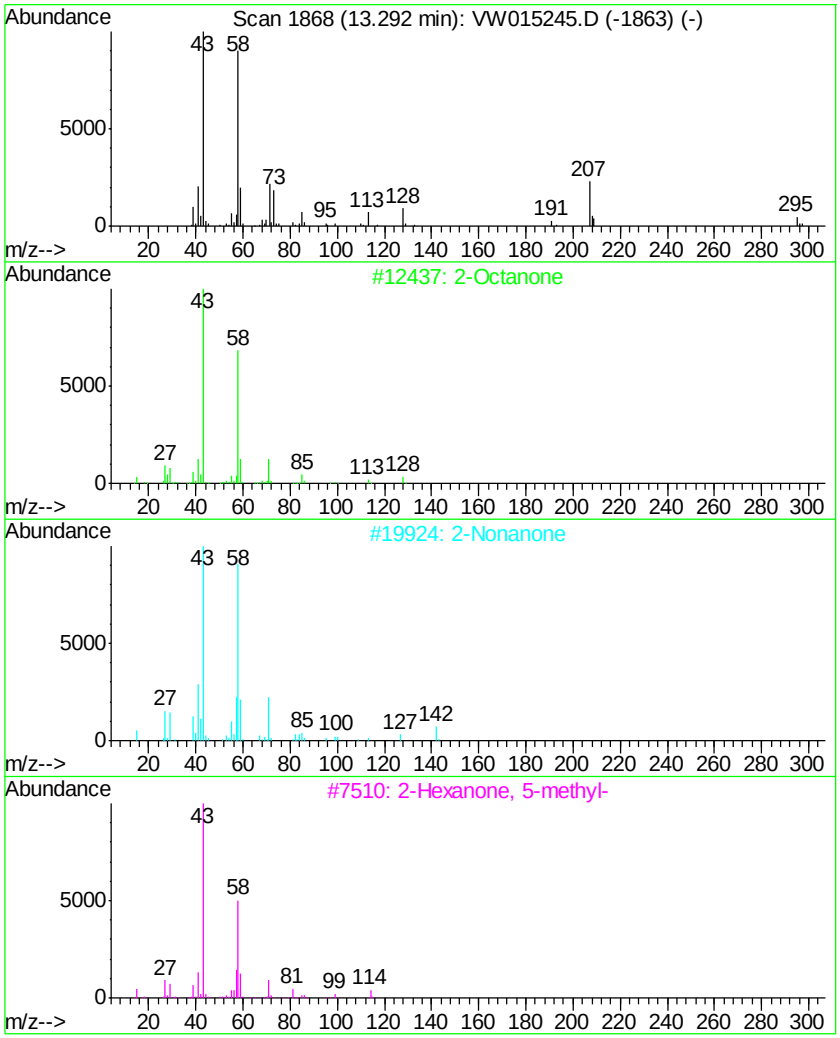
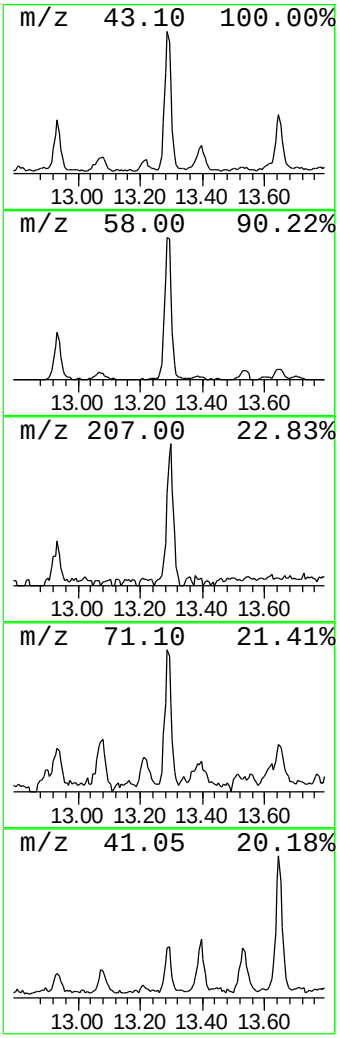
Peak Number 6 2-Octanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	5.97 ug/l	54531	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	76
2	2-Nonanone	142	C9H18O	000821-55-6	50
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	50
4	2-Undecanone	170	C11H22O	000112-12-9	40
5	1,2-Ethanediamine, N'-ethyl-N,N-...	116	C6H16N2	000123-83-1	37





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Quant Title : SW846 8260

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

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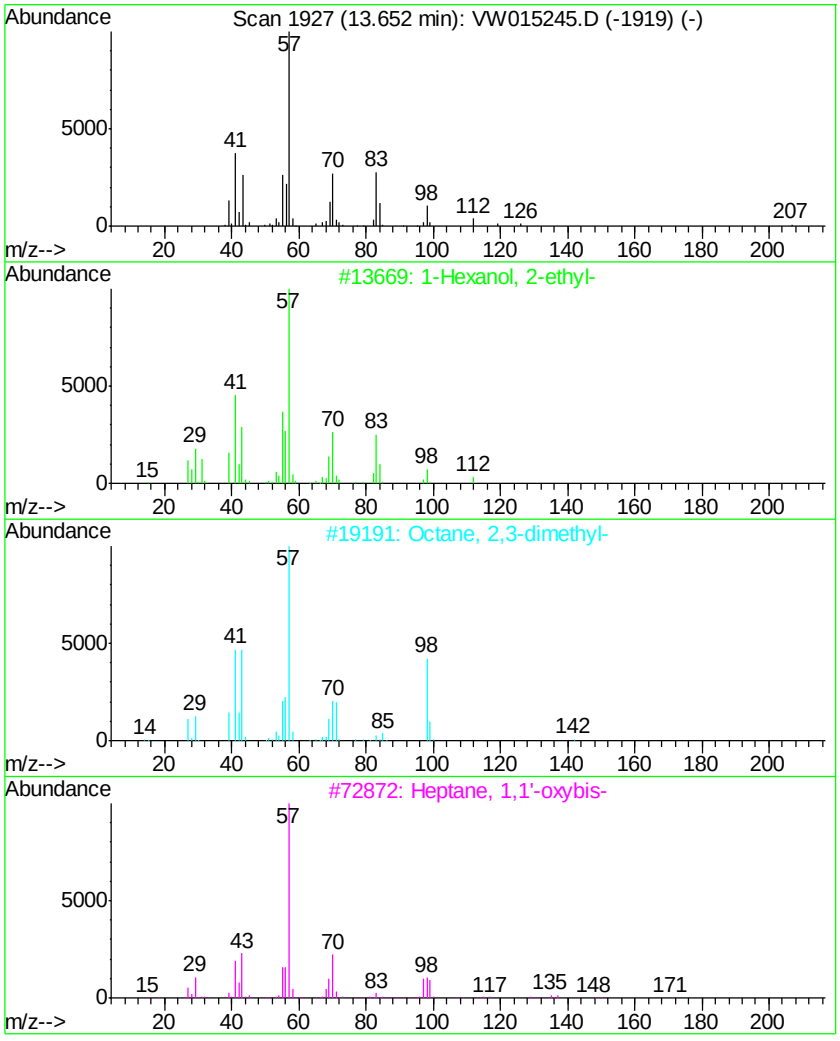
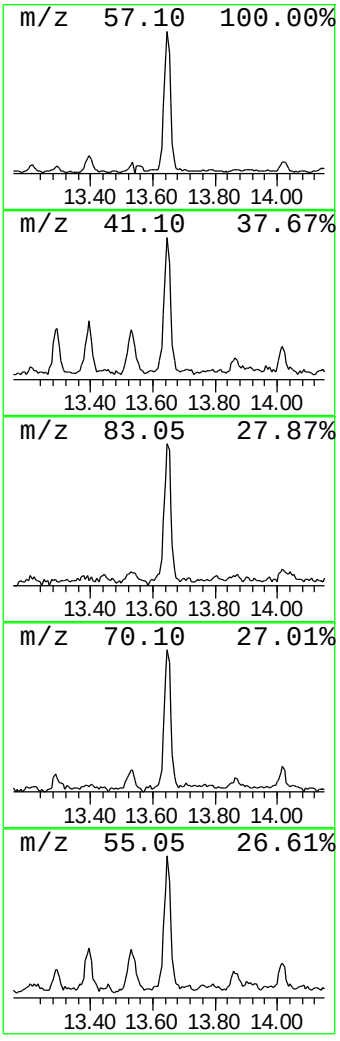
Peak Number 7 1-Hexanol, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	7.71 ug/l	70446	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	90
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	47
4	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	47
5	2-Decene, 5-methyl-, (Z)-	154	C11H22	074645-86-6	47





Library Search Compound Report

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ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260

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

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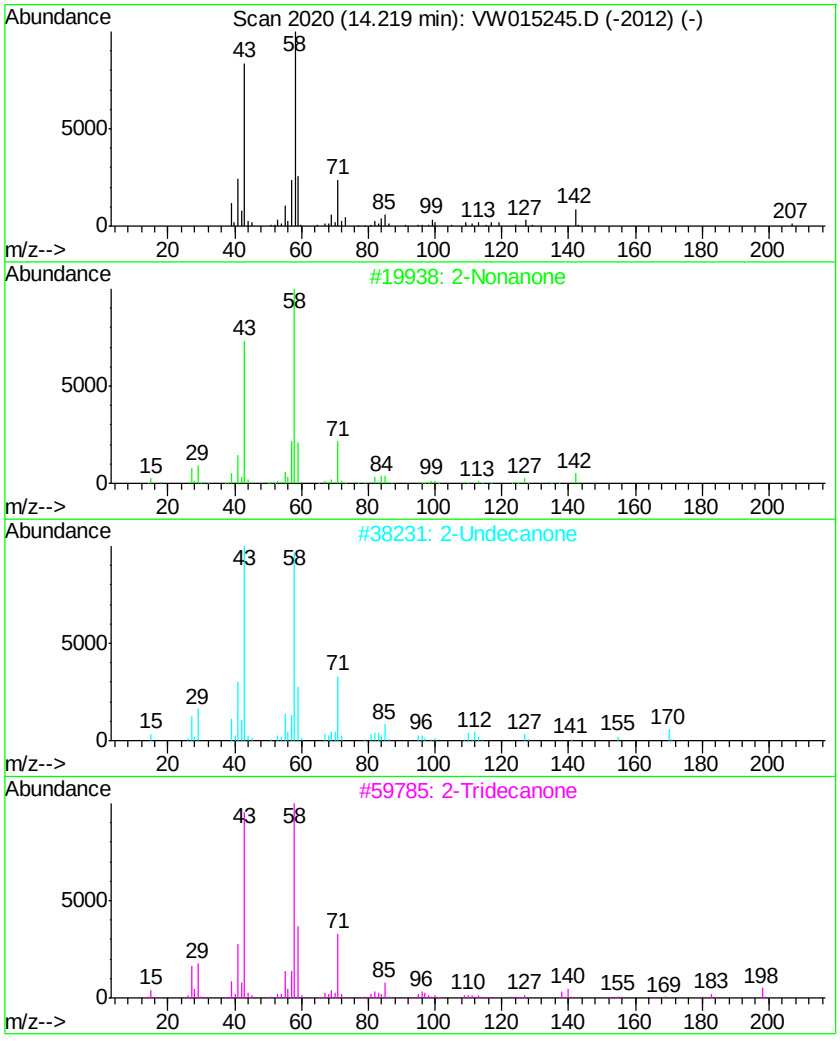
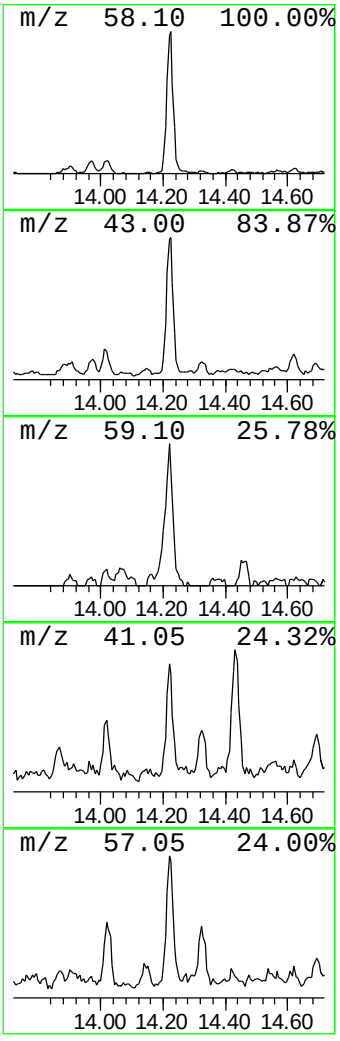
Peak Number 8 2-Nonanone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	5.62 ug/l	51300	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonanone	142	C9H18O	000821-55-6	95
2	2-Undecanone	170	C11H22O	000112-12-9	78
3	2-Tridecanone	198	C13H26O	000593-08-8	72
4	2-Octanone	128	C8H16O	000111-13-7	72
5	2-Tetradecanone	212	C14H28O	002345-27-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042020\
Data File : VW015245.D
Acq On : 21 Apr 2020 00:44
Operator : SY/VA
Sample : L2304-15
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260

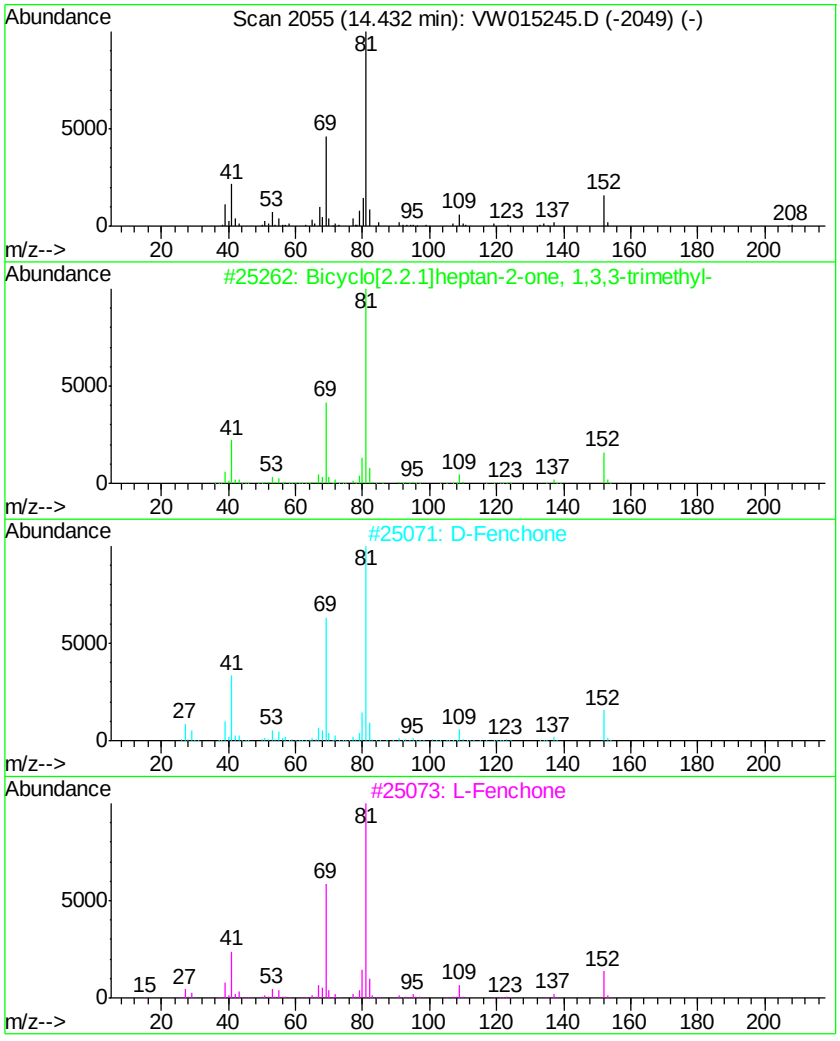
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

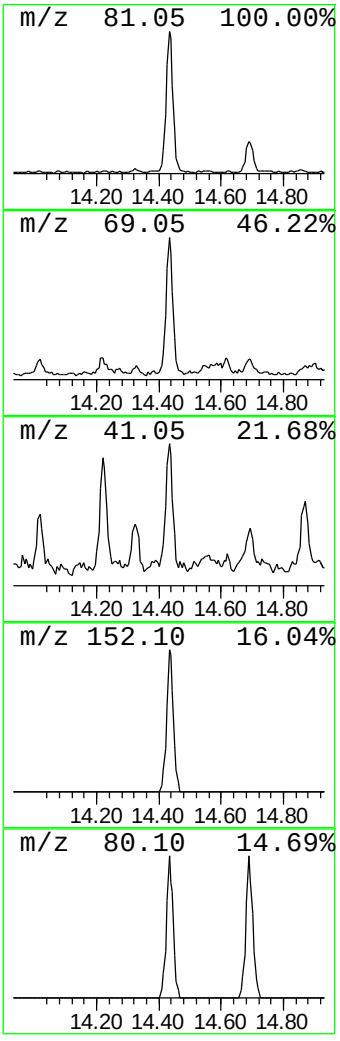
****

Peak Number 9 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	5.22 ug/l	47727	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91
2	D-Fenchone	152	C10H16O	004695-62-9	91
3	L-Fenchone	152	C10H16O	007787-20-4	91
4	2-Cyclopentene-1-carboxylic acid...	140	C8H12O2	068317-73-7	50
5	Cyclohexane,1,2-dibromo-,trans-	240	C6H10Br2	007429-37-0	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042020\
Data File : VW015245.D
Acq On : 21 Apr 2020 00:44
Operator : SY/VA
Sample : L2304-15
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260

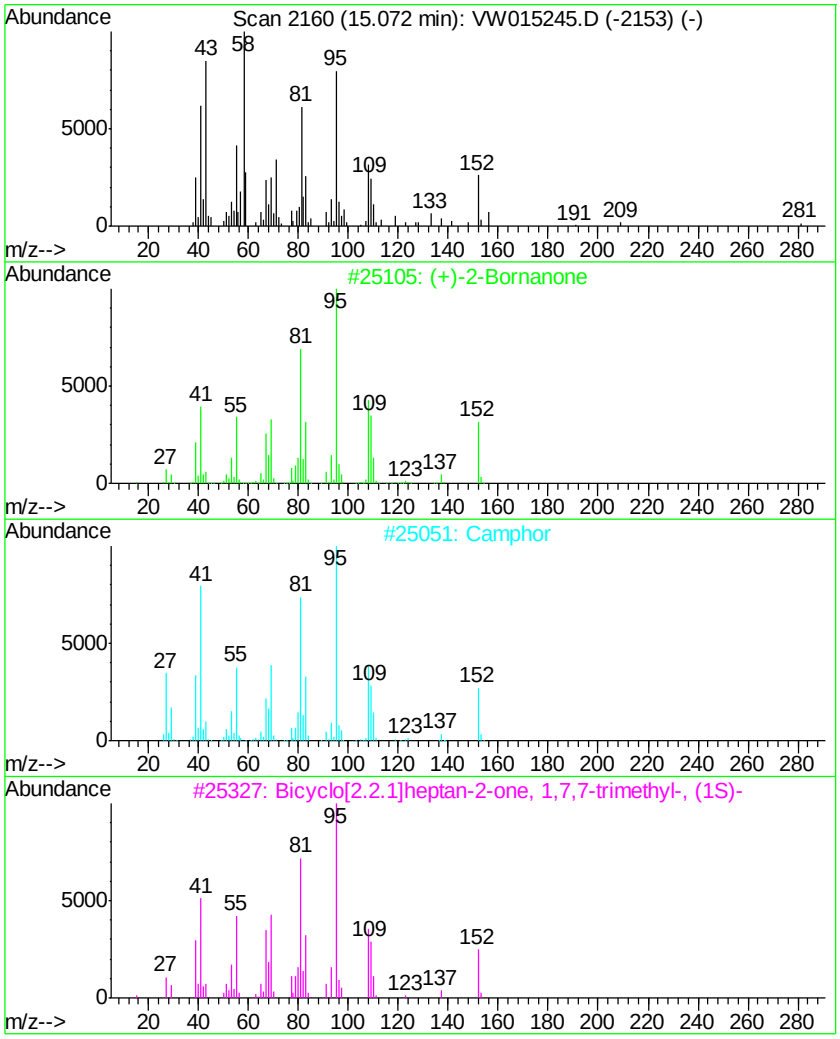
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

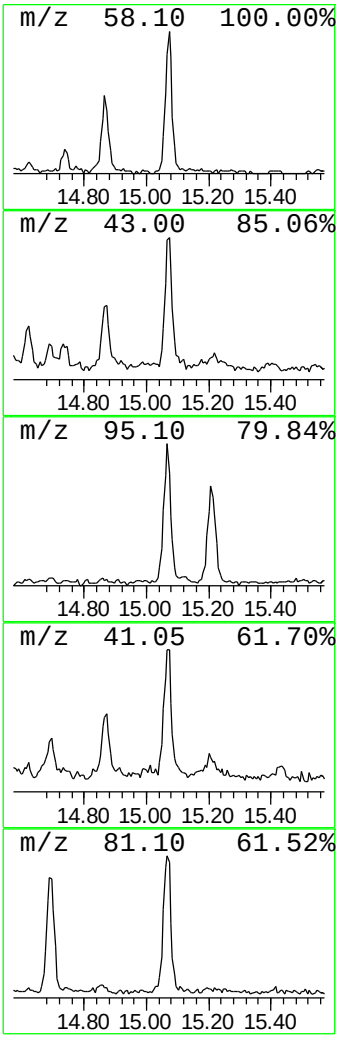
****

Peak Number 10 (+)-2-Bornanone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	6.11 ug/l	55821	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	96
2	Camphor	152	C10H16O	000076-22-2	95
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	95
4	5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	006752-80-3	45
5	2-Butanone, 4-(5-methyl-2-furanyl)-	152	C9H12O2	013679-56-6	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042020\
Data File : VW015245.D
Acq On : 21 Apr 2020 00:44
Operator : SY/VA
Sample : L2304-15
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : WC-F2-VOA

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.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
Acetaldehyde	2.50	5.1	ug/l	36986	1	7.95	361010	50.0
Butanal	6.90	13.7	ug/l	98767	1	7.95	361010	50.0
Pentanal	9.41	13.4	ug/l	110935	2	8.84	412378	50.0
Hexanal	11.07	10.9	ug/l	104699	3	11.63	479227	50.0
2-Heptanone	12.23	8.0	ug/l	76281	3	11.63	479227	50.0
2-Octanone	13.29	6.0	ug/l	54531	4	13.55	456809	50.0
1-Hexanol, 2-ethyl-	13.65	7.7	ug/l	70446	4	13.55	456809	50.0
2-Nonanone	14.22	5.6	ug/l	51300	4	13.55	456809	50.0
Bicyclo[2.2.1]hep...	14.43	5.2	ug/l	47727	4	13.55	456809	50.0
(+)-2-Bornanone	15.07	6.1	ug/l	55821	4	13.55	456809	50.0