LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\
Data File : VU027564.D
Acq On : 10 Oct 2018 12:53
Operator : MD/SY
Sample : J5324-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

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_U\METHOD\82U100118W.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	1.472	81	93	111	rBV	207612	242838	1.47%	0.737%
2	2.013	249	261	289	rBV	467958	748238	4.54%	2.269%
3	2.325	346	358	383	rBV	203850	332747	2.02%	1.009%
4	4.887	1136	1155	1171	rBV	102255	230994	1.40%	0.701%
5	4.987	1171	1186	1208	rVV	168670	372942	2.26%	1.131%
6	5.312	1272	1287	1309	rBV	126800	273577	1.66%	0.830%
7	5.890	1452	1467	1502	rBV	255672	520721	3.16%	1.579%
8	7.565	1974	1988	2024	rBV	406479	744074	4.51%	2.257%
9	9.090	2450	2462	2488	rBV	352611	586198	3.56%	1.778%
10	10.308	2829	2841	2859	rBV	268927	428915	2.60%	1.301%
11	11.257	3125	3136	3153	rBV	109523	170687	1.04%	0.518%
12	11.369	3155	3171	3188	rVV	294371	443351	2.69%	1.345%
13	11.485	3195	3207	3223	rVB	362063	570379	3.46%	1.730%
14	11.594	3225	3241	3261	rBV	280481	458019	2.78%	1.389%
15	11.742	3271	3287	3318	rBV	504913	820661	4.98%	2.489%
16	12.218	3418	3435	3462	rBV	166426	277374	1.68%	0.841%
17	12.569	3532	3544	3565	rBV	224324	338534	2.05%	1.027%
18	12.723	3579	3592	3620	rBV	825414	1296204	7.86%	3.931%
19	12.851	3620	3632	3637	rBV	1098427	1614204	9.79%	4.896%
20	12.890	3637	3644	3678	rVB	2917828	4515425	27.39%	13.695%
21	13.321	3763	3778	3794	rBV	11135461	16484140	100.00%	49.996%
22	13.395	3795	3801	3831	rVB	237719	477796	2.90%	1.449%
23	13.678	3880	3889	3906	rBV	120229	210226	1.28%	0.638%
24	13.777	3910	3920	3936	rVB	433690	611962	3.71%	1.856%
25	14.594	4164	4174	4189	rBV	130384	200398	1.22%	0.608%

Sum of corrected areas: 32970604

LSC Report - Integrated Chromatogram

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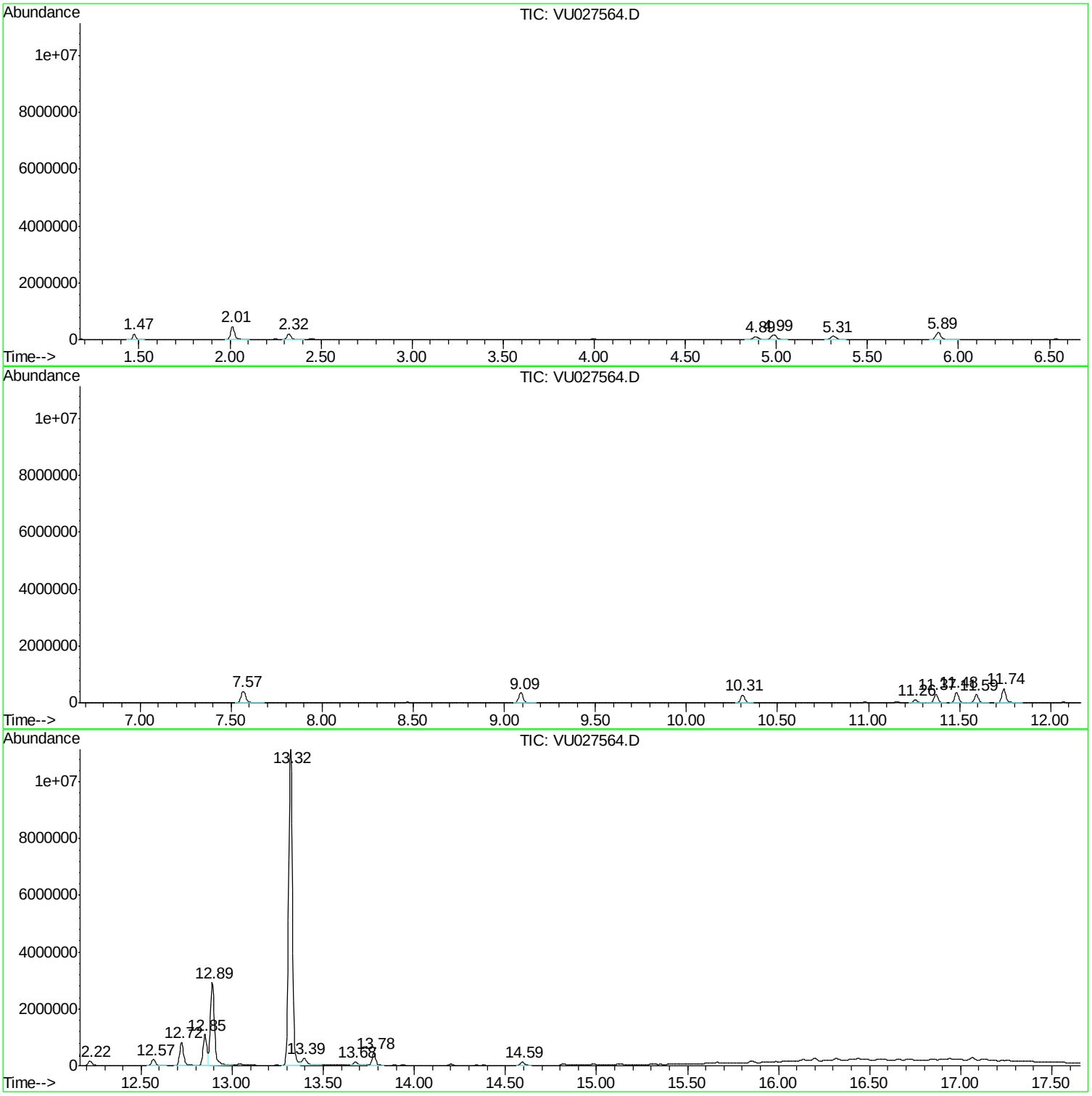
Operator : MD/SY
Sample : J5324-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.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_U\DATA\VU101018\
Data File : VU027564.D
Acq On : 10 Oct 2018 12:53
Operator : MD/SY
Sample : J5324-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

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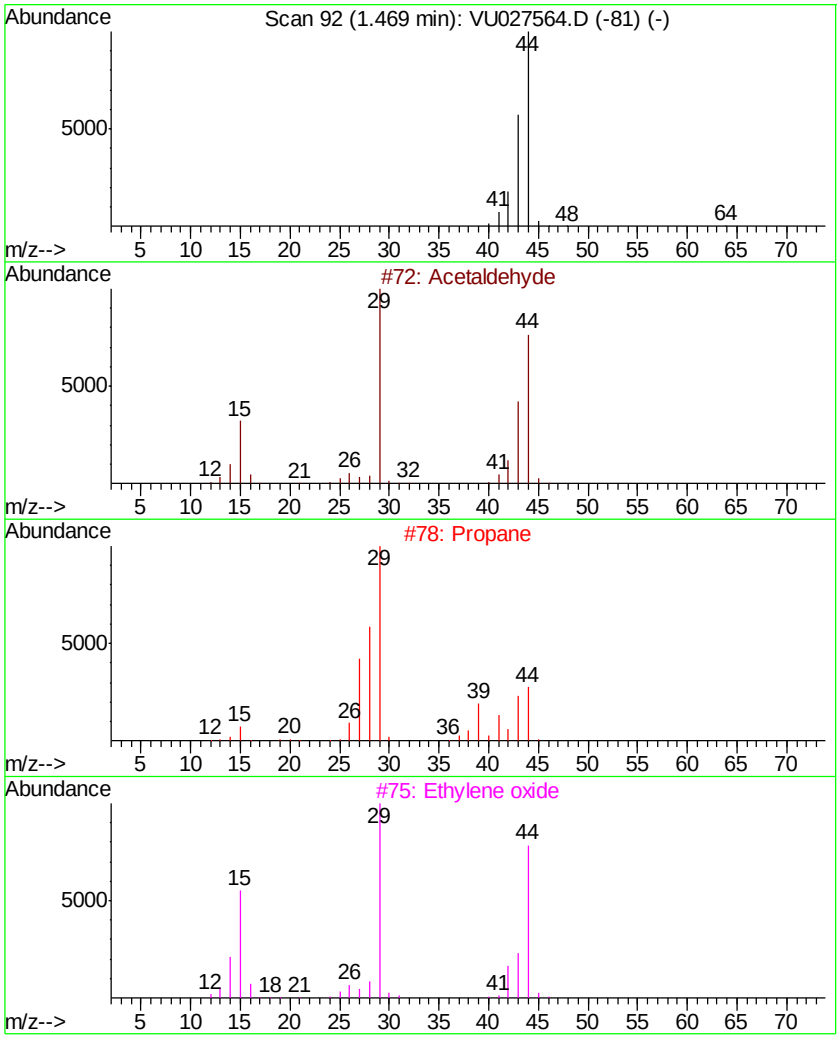
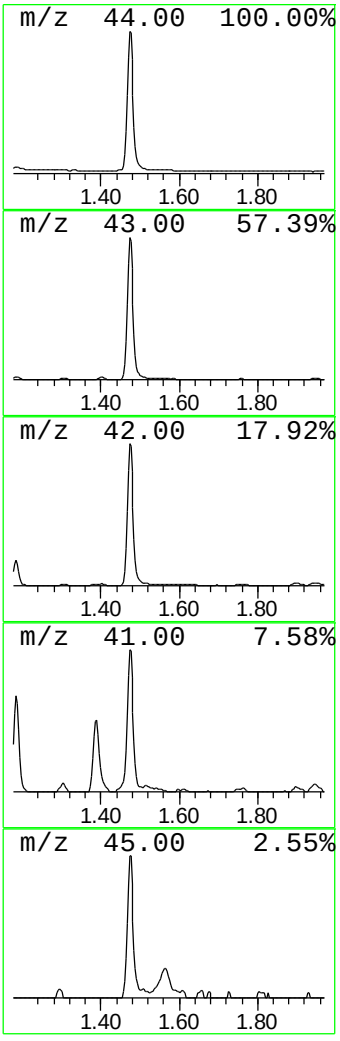
Peak Number 1 Acetaldehyde Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.47	32.56 ug/l	242838	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	74
2	Propane	44	C3H8	000074-98-6	5
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Alanine	89	C3H7NO2	000056-41-7	4
5	Carbon dioxide	44	CO2	000124-38-9	3





Library Search Compound Report

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Data File : VU027564.D
Acq On : 10 Oct 2018 12:53
Operator : MD/SY
Sample : J5324-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

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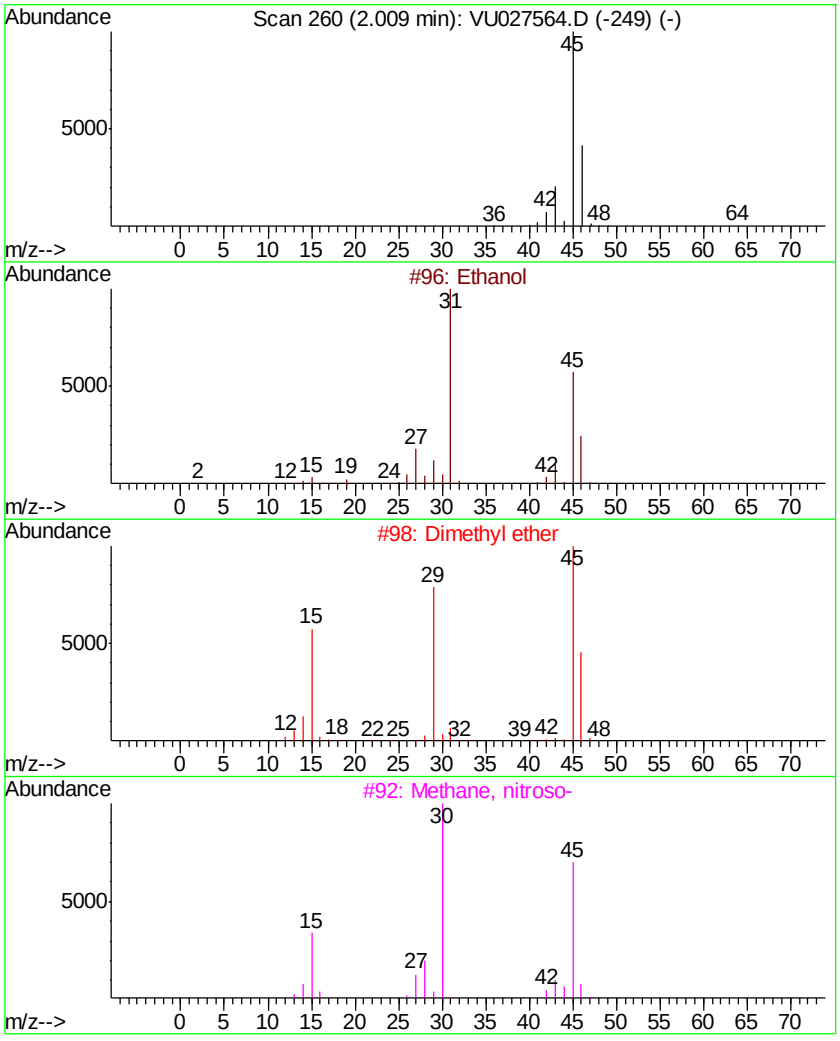
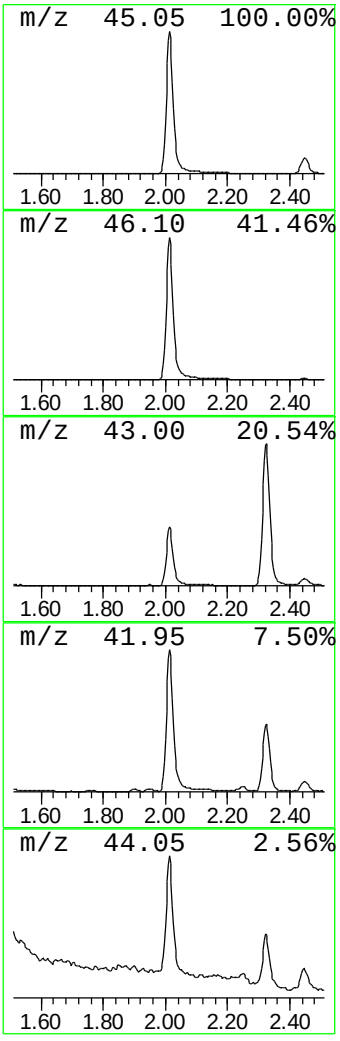
Peak Number 2 Ethanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	100.32 ug/l	748238	Pentafluorobenzene	4.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	83
2	Dimethyl ether	46	C2H6O	000115-10-6	9
3	Methane, nitroso-	45	CH3NO	000865-40-7	4
4	Formic acid	46	CH2O2	000064-18-6	4
5	Oxalic acid	90	C2H2O4	000144-62-7	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027564.D
Acq On : 10 Oct 2018 12:53
Operator : MD/SY
Sample : J5324-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

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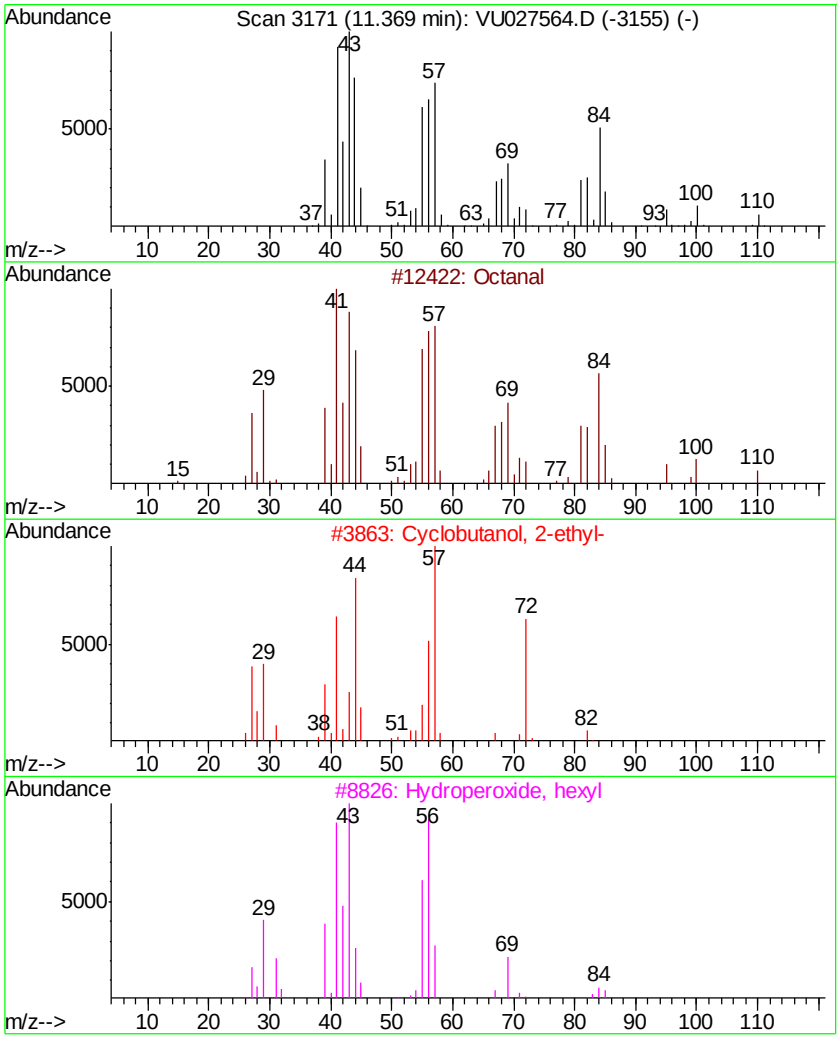
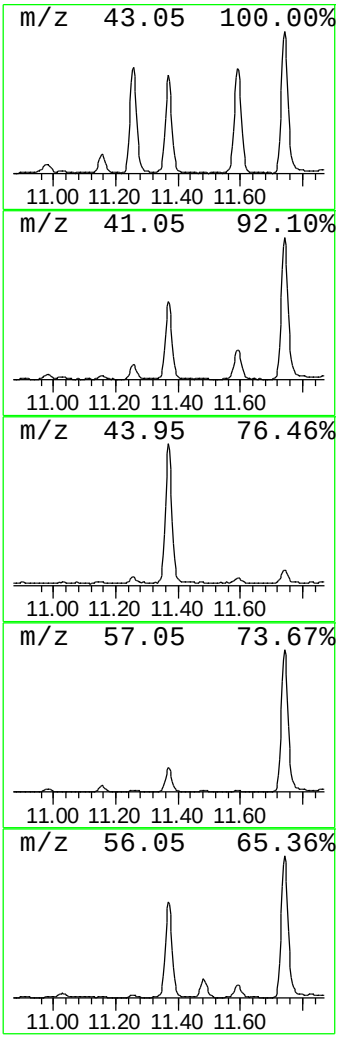
Peak Number 3 Octanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	38.86 ug/l	443351	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	25
3	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	22
4	6-Amino-1-hexyl phosphate	197	C6H16NO4P	007564-68-3	22
5	Cyclopentanol, 2-methyl-, cis-	100	C6H12O	025144-05-2	18





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\
Data File : VU027564.D
Acq On : 10 Oct 2018 12:53
Operator : MD/SY
Sample : J5324-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

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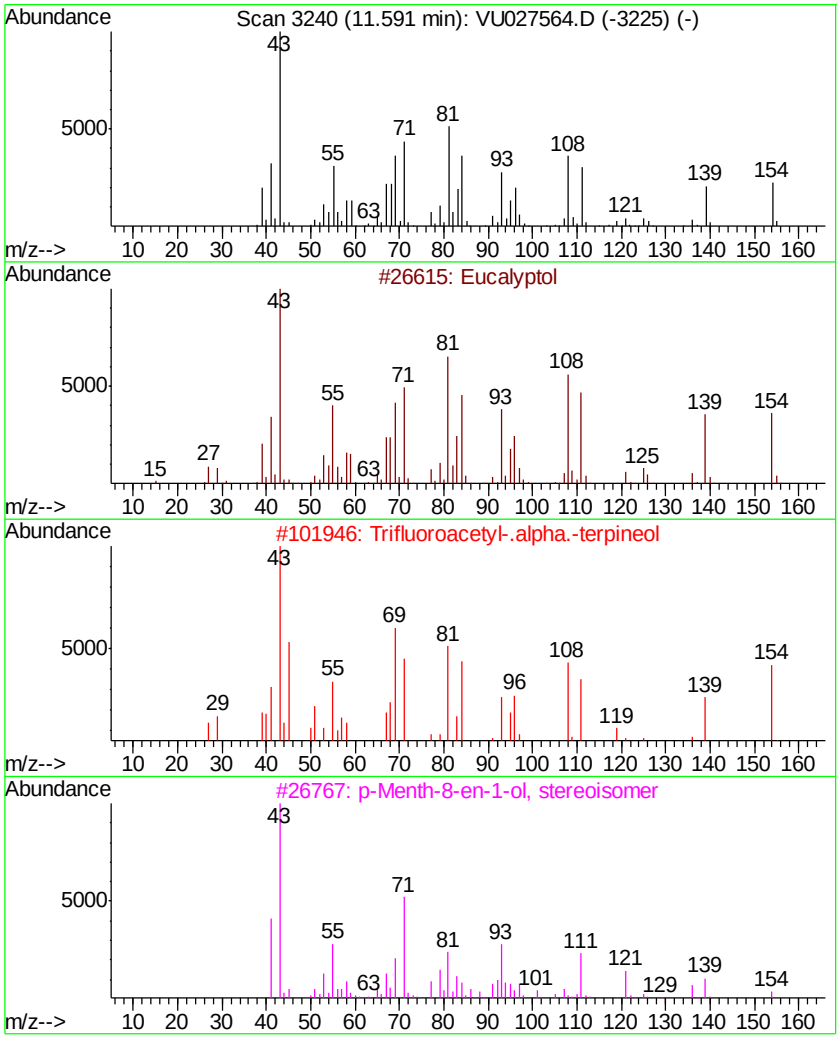
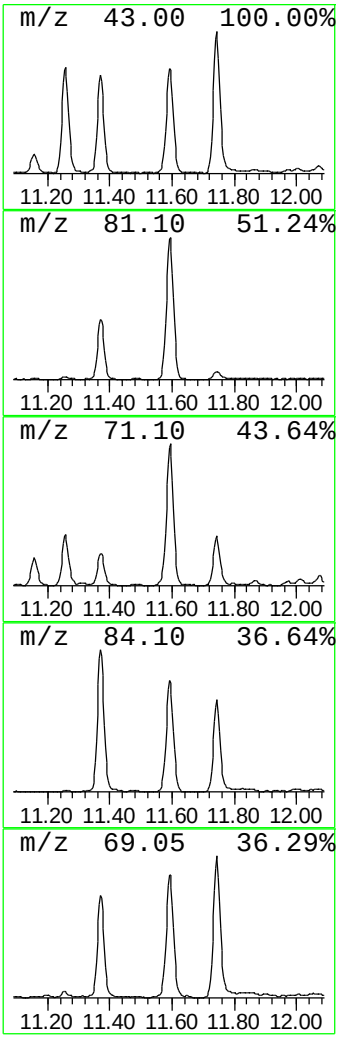
Peak Number 4 Eucalyptol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	40.15 ug/l	458019	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	97
2	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	50
3	p-Menth-8-en-1-ol, stereoisomer	154	C10H18O	007299-40-3	43
4	2-(3'-Oxo-butyl)-cyclopentanone	154	C9H14O2	1000143-37-2	32
5	3-Hepten-2-one, 3-propyl-	154	C10H18O	032064-69-0	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027564.D
Acq On : 10 Oct 2018 12:53
Operator : MD/SY
Sample : J5324-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

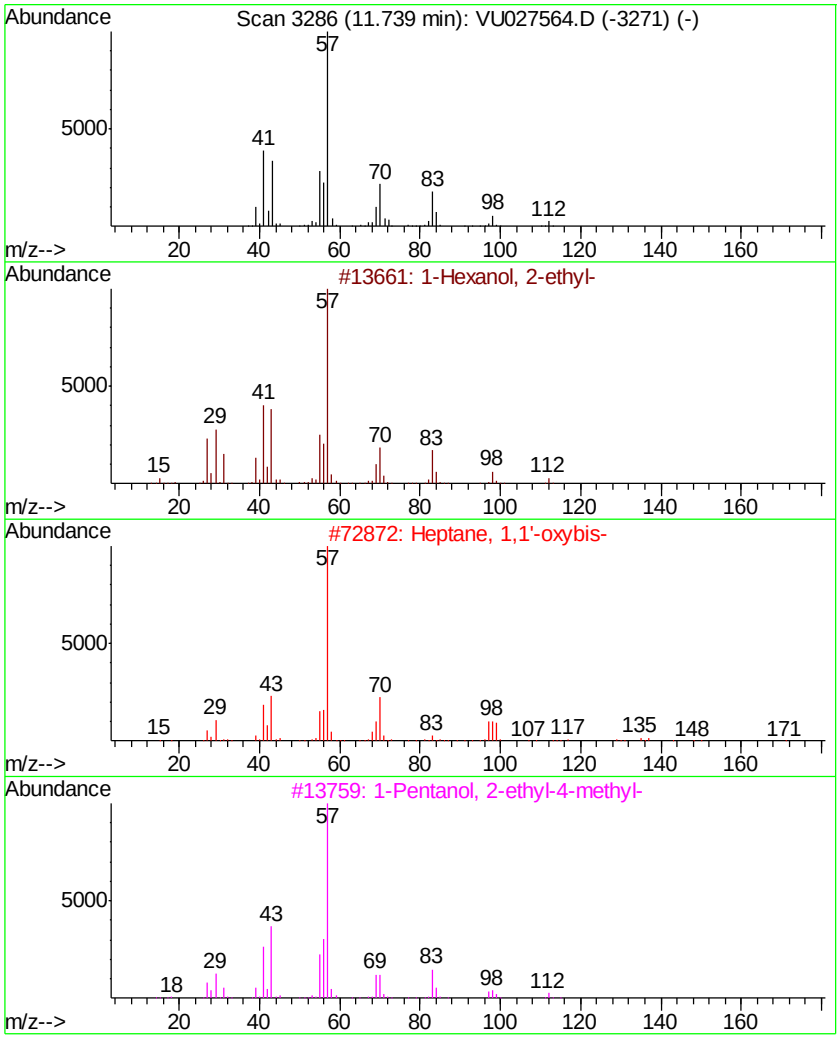
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

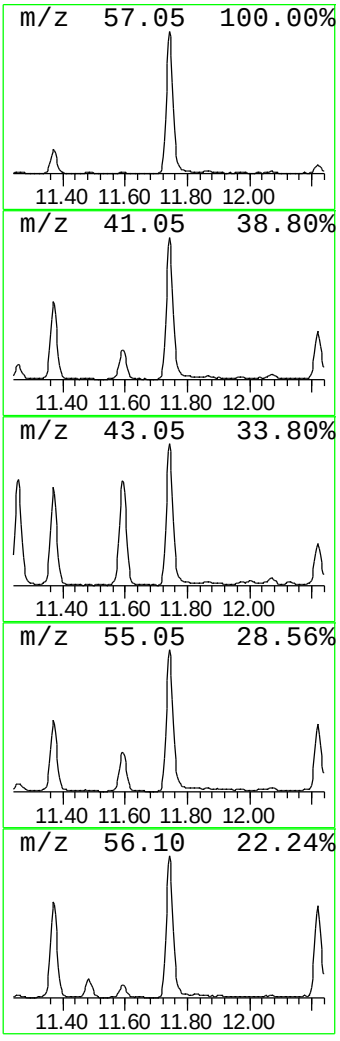
****

Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	71.94 ug/l	820661	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	64
3	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	56
4	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	56
5	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027564.D
Acq On : 10 Oct 2018 12:53
Operator : MD/SY
Sample : J5324-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

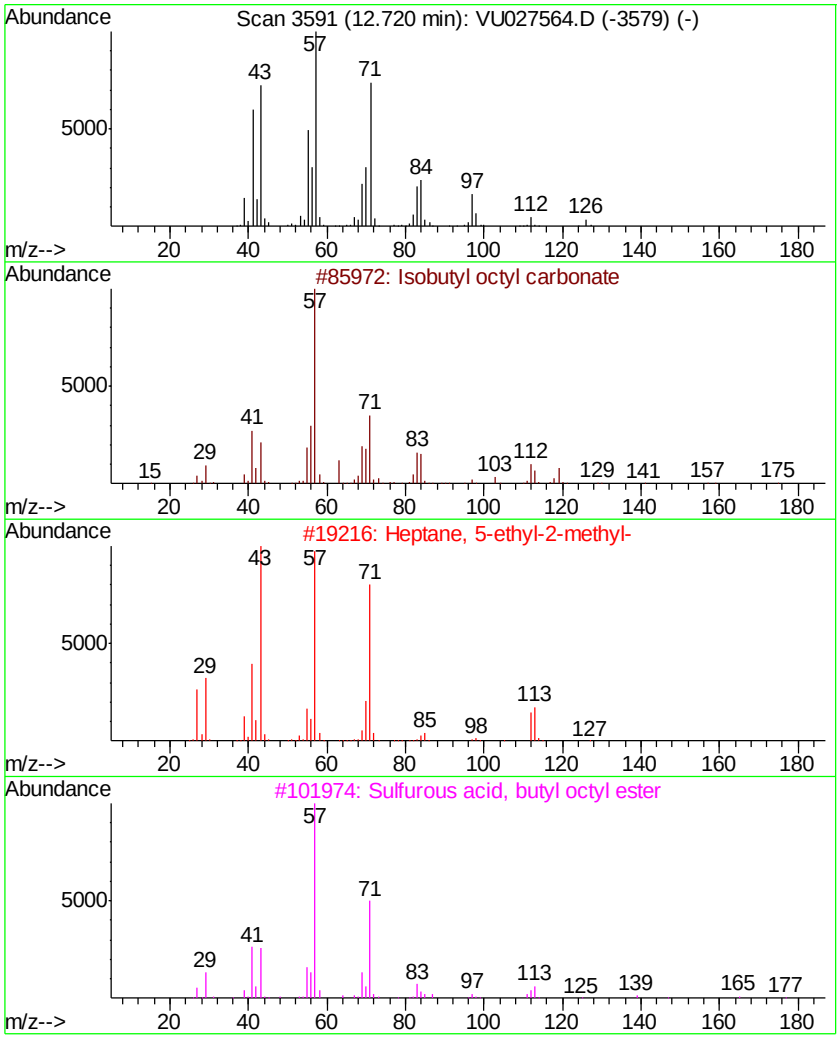
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

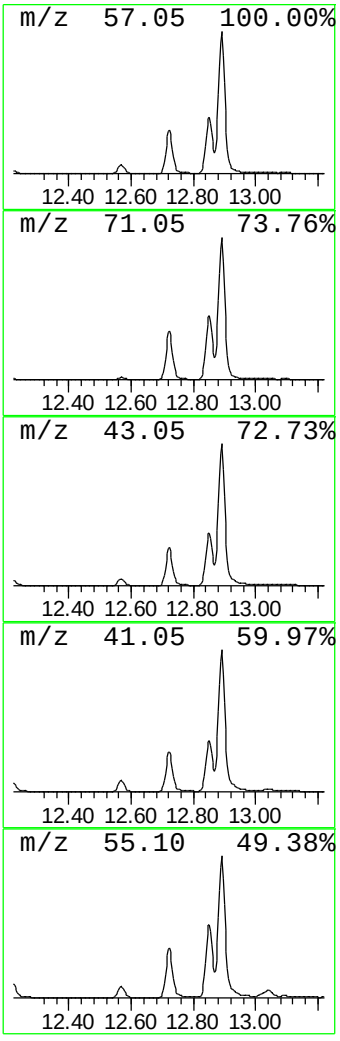
****

Peak Number 6 Isobutyl octyl carbonate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	113.63 ug/l	1296200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl octyl carbonate	230	C13H26O3	1000372-74-6	52
2	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	50
3	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	50
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	47
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	47





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Operator : MD/SY
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ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

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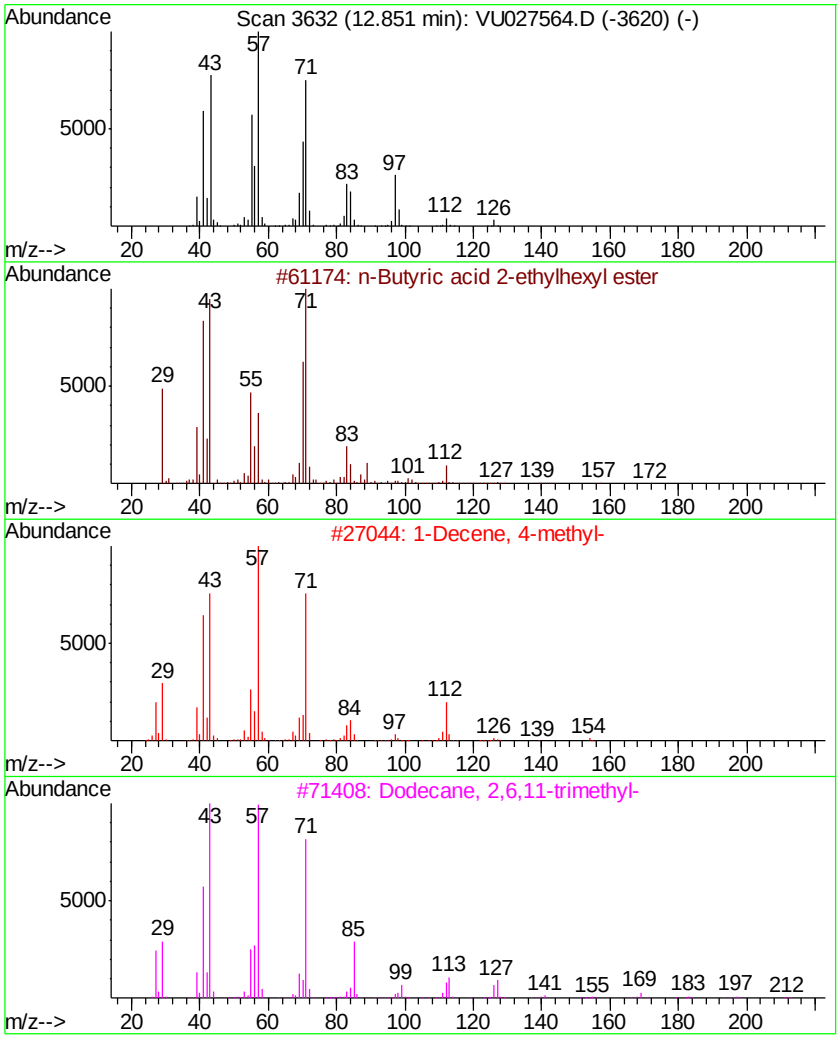
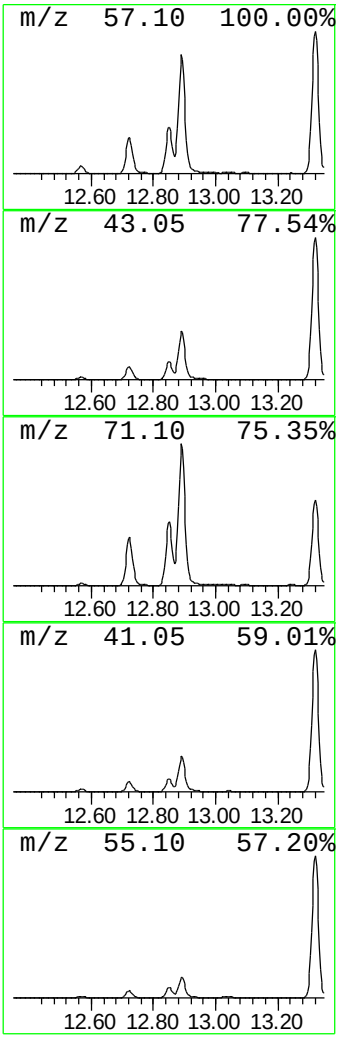
Peak Number 7 n-Butyric acid 2-ethylhexyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	141.50 ug/l	1614200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Butyric acid 2-ethylhexyl ester	200	C12H24O2	025415-84-3	50
2	1-Decene, 4-methyl-	154	C11H22	013151-29-6	47
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	47
4	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	47
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43





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ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

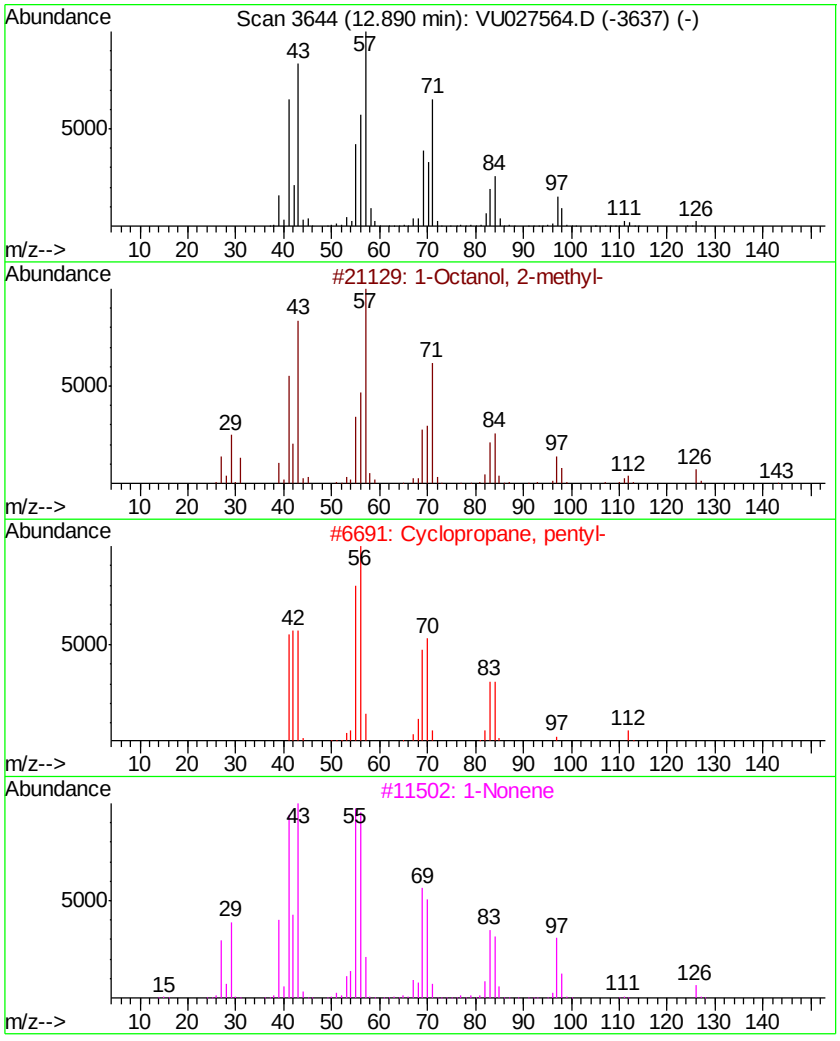
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

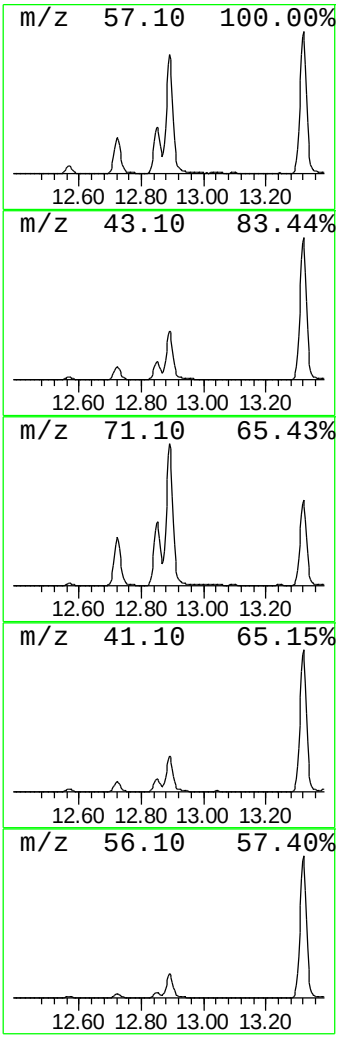
****

Peak Number 8 1-Octanol, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	395.83 ug/l	4515430	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-methyl-	144	C9H20O	000818-81-5	90
2	Cyclopropane, pentyl-	112	C8H16	002511-91-3	58
3	1-Nonene	126	C9H18	000124-11-8	58
4	Cyclobutane, 1,2-diethyl-, cis-	112	C8H16	061141-50-2	52
5	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	43





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ALS Vial : 40 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

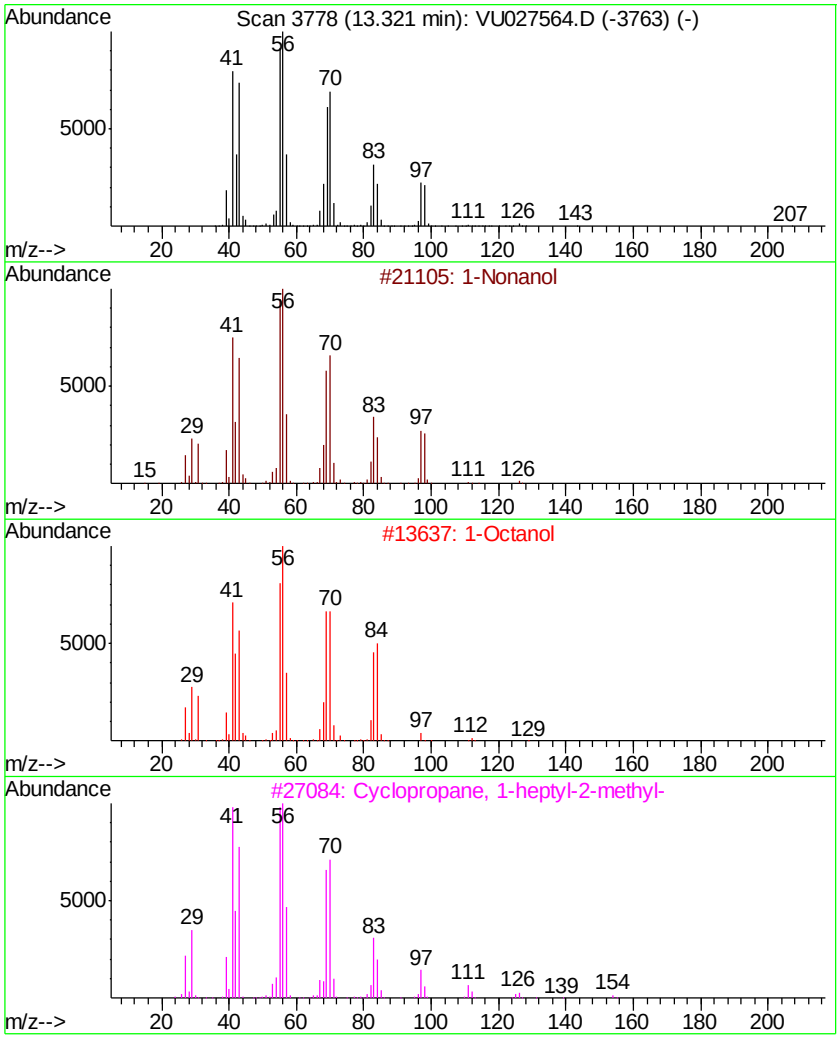
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

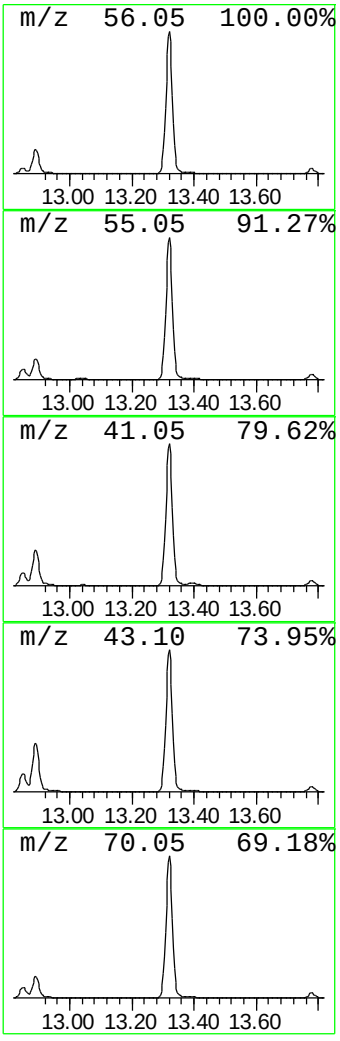
****

Peak Number 9 1-Nonanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	1445.02 ug/l	16484100	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonanol	144	C9H20O	000143-08-8	91
2	1-Octanol	130	C8H18O	000111-87-5	80
3	Cyclopropane, 1-heptyl-2-methyl-	154	C11H22	074663-91-5	64
4	Isopropylcyclobutane	98	C7H14	000872-56-0	62
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	62





Library Search Compound Report

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

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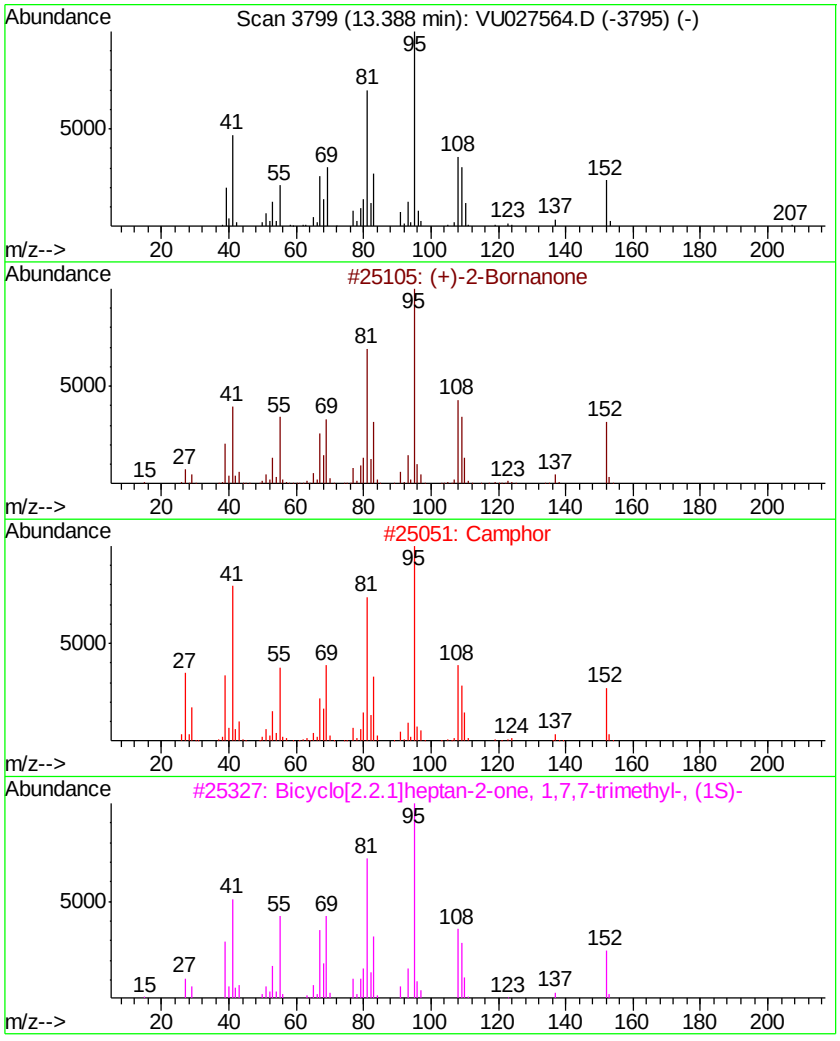
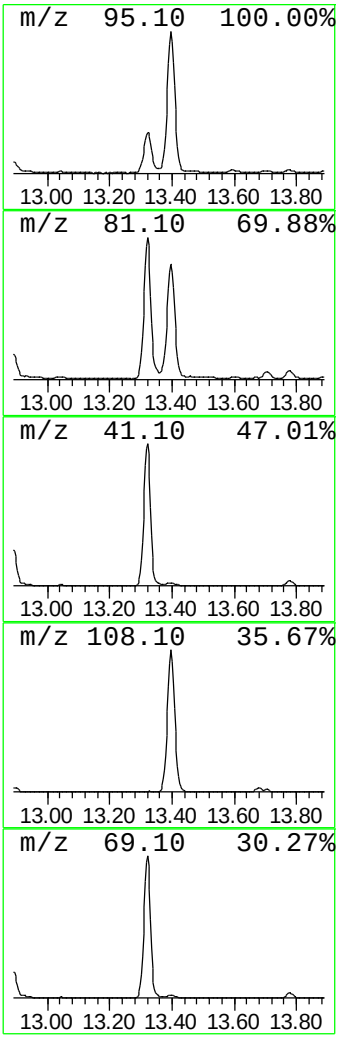
Peak Number 10 (+)-2-Bornanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	41.88 ug/l	477796	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	95
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	endo-Borneol	154	C10H18O	000507-70-0	47
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
Data File : VU027564.D
Acq On : 10 Oct 2018 12:53
Operator : MD/SY
Sample : J5324-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : OILY-WATER

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.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	1.47	32.6	ug/l	242838	1	4.99	372942	50.0
Ethanol	2.01	100.3	ug/l	748238	1	4.99	372942	50.0
Octanal	11.37	38.9	ug/l	443351	4	11.48	570379	50.0
Eucalyptol	11.59	40.1	ug/l	458019	4	11.48	570379	50.0
1-Hexanol, 2-ethyl-	11.74	71.9	ug/l	820661	4	11.48	570379	50.0
Isobutyl octyl ca...	12.72	113.6	ug/l	1296200	4	11.48	570379	50.0
n-Butyric acid 2-...	12.85	141.5	ug/l	1614200	4	11.48	570379	50.0
1-Octanol, 2-methyl-	12.89	395.8	ug/l	4515430	4	11.48	570379	50.0
1-Nonanol	13.32	1445.0	ug/l	16484100	4	11.48	570379	50.0
(+)-2-Bornanone	13.39	41.9	ug/l	477796	4	11.48	570379	50.0