

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052371.D
 Acq On : 16 Nov 2018 18:07
 Operator : MD\SY
 Sample : J5976-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

Quant Time: Nov 16 22:41:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	302707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	511090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	423381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	215751	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	7.59	113	164283	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	629166	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	185452	43.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.94%	

Target Compounds

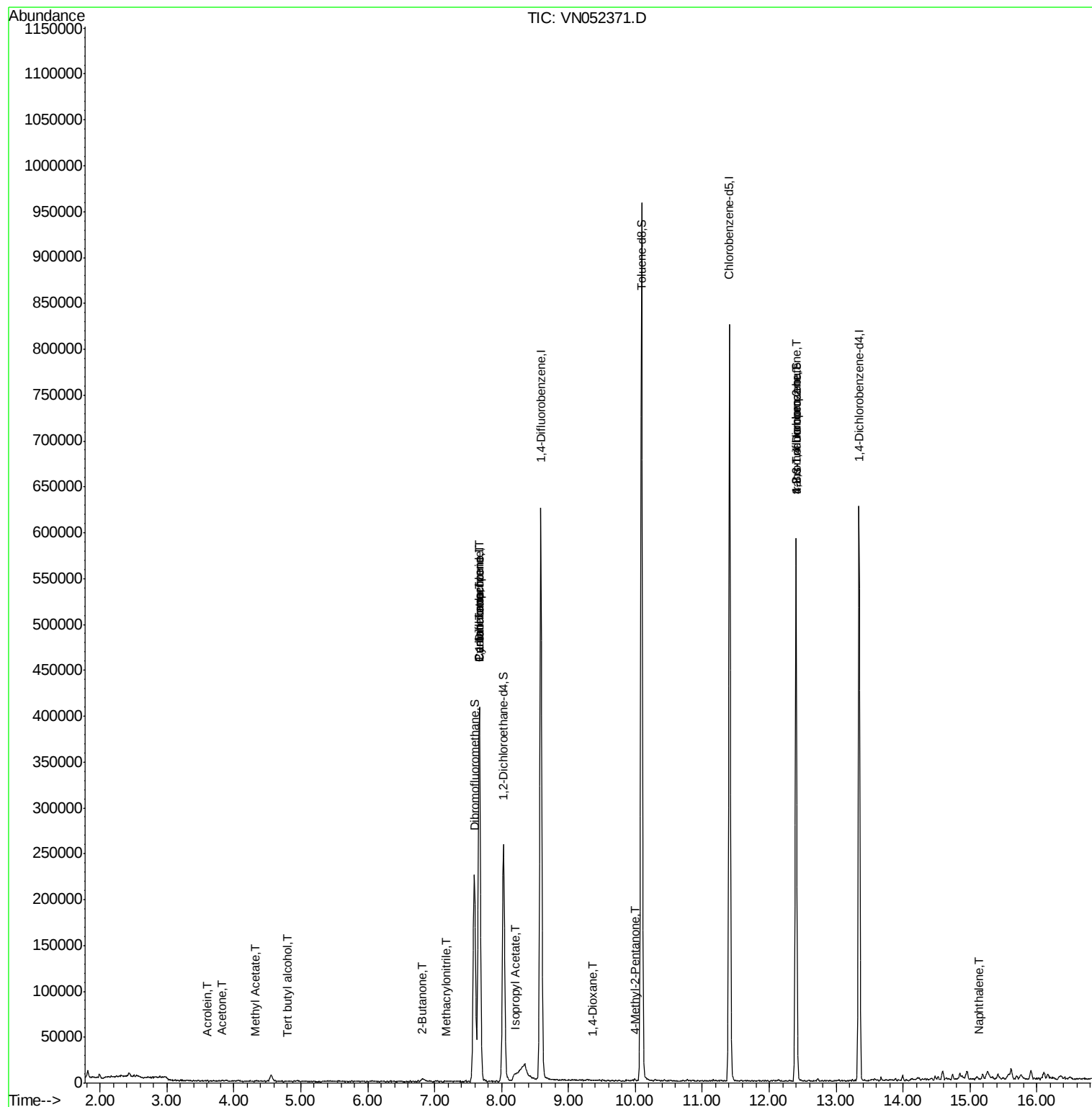
					Qvalue	
11) Tert butyl alcohol	4.80	59	94	0.416	ug/l #	72
13) Acrolein	3.61	56	30	21.851	ug/l #	14
16) Acetone	3.83	43	1199	1.019	ug/l	90
18) Methyl Acetate	4.33	43	151	0.477	ug/l #	57
25) 2-Butanone	6.83	43	412	0.249	ug/l #	52
31) Cyclohexane	7.67	56	8959	0.325	ug/l #	33
36) 1,1-Dichloropropene	7.67	75	27596	5.387	ug/l #	52
38) Carbon Tetrachloride	7.67	117	32498	6.905	ug/l #	16
41) Methacrylonitrile	7.18	41	62	3.723	ug/l #	100
43) Isopropyl Acetate	8.20	43	7363	1.026	ug/l #	67
49) 1,4-Dioxane	9.35	88	31	1.109	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	862	0.239	ug/l #	74
76) 1,2,3-Trichloropropane	12.40	75	105569	43.044	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	105569	139.608	ug/l #	5
95) Naphthalene	15.14	128	521	2.701	ug/l #	69

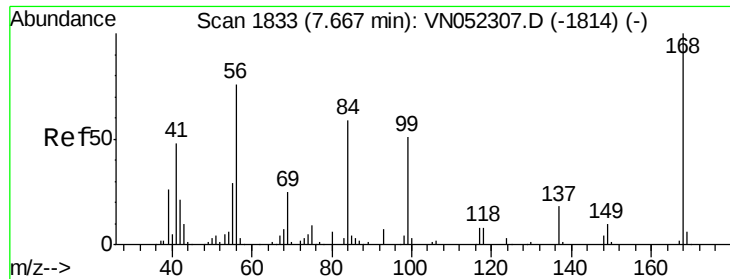
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052371.D

Acq: 16 Nov 2018 18:07

Instrument :

MSVOA_N

ClientSampleId :

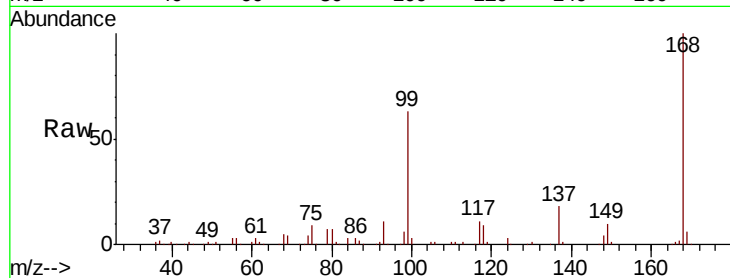
OILY-WATER

Tot Ion:168 Resp: 302707

Ion Ratio Lower Upper

168 100

99 62.6 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.67

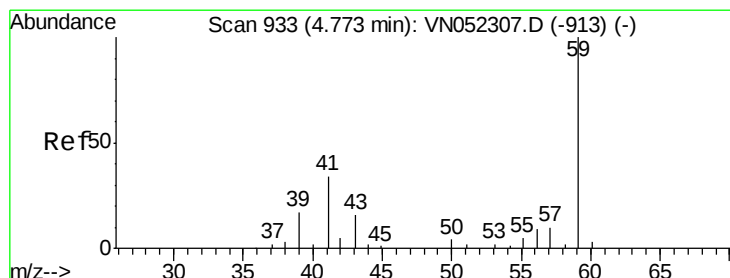
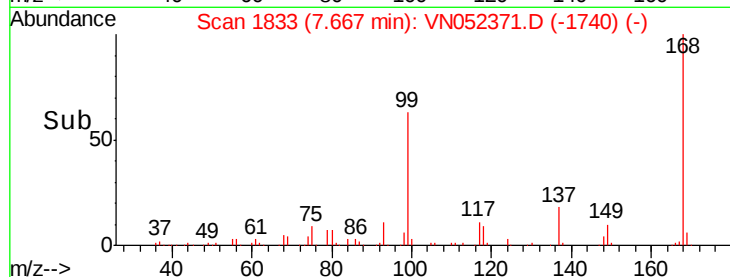
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#11

Tert butyl alcohol

Concen: 0.416 ug/l

RT: 4.80 min Scan# 941

Delta R.T. 0.03 min

Lab File: VN052371.D

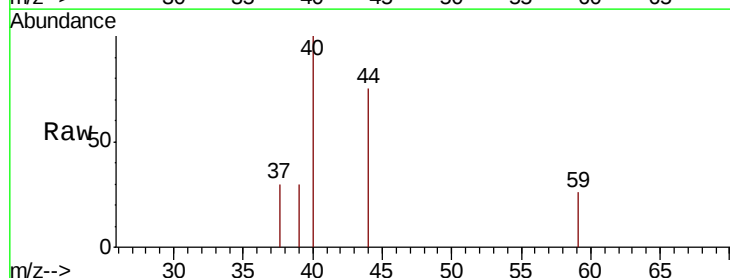
Acq: 16 Nov 2018 18:07

Tgt Ion: 59 Resp: 94

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN052307.D (-913) (-)

Ion 57.00 (56.70 to 57.70): VN052307.D (-913) (-)

4.80

200

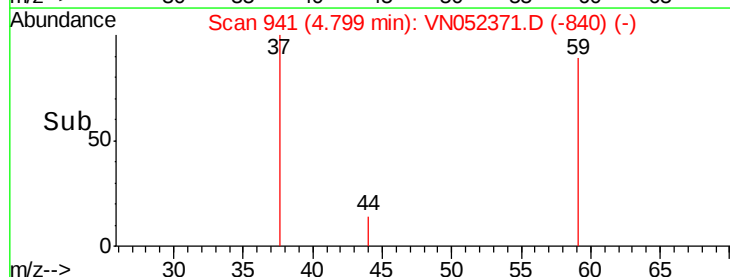
150

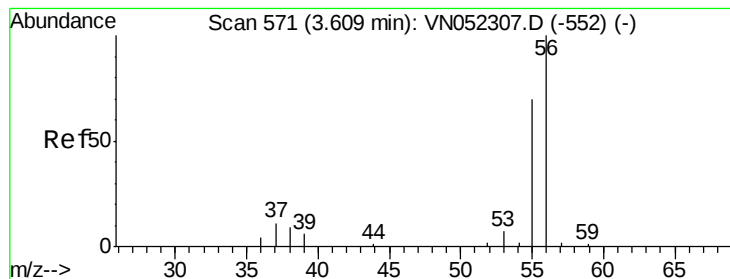
100

50

0

Time--> 4.78 4.79 4.80 4.81





#13

Acrolein

Concen: 21.851 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052371.D

Acq: 16 Nov 2018 18:07

Instrument :

MSVOA_N

ClientSampleId :

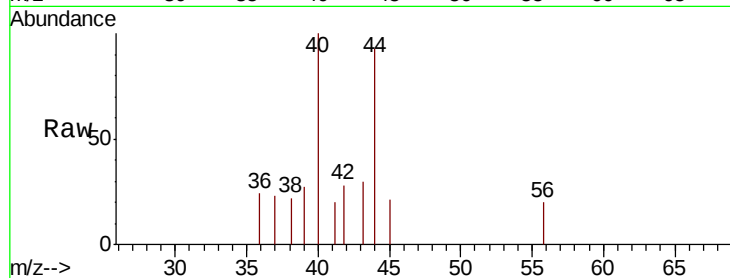
OILY-WATER

Tot Ion: 56 Resp: 30

Ion Ratio Lower Upper

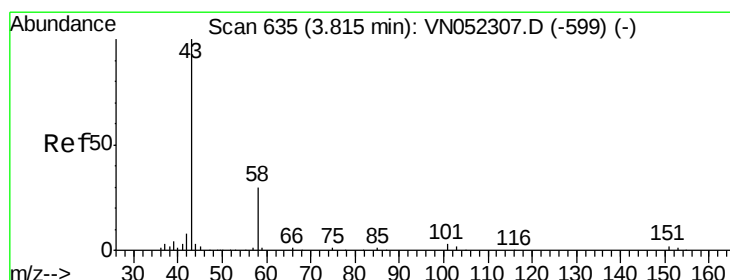
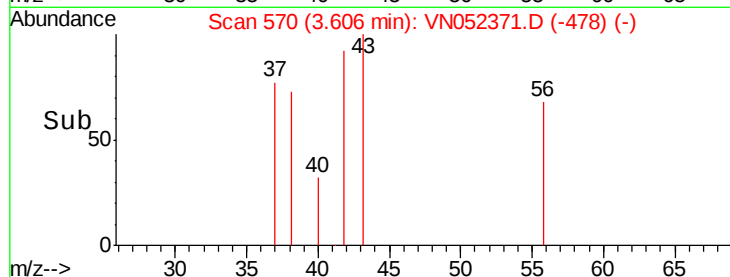
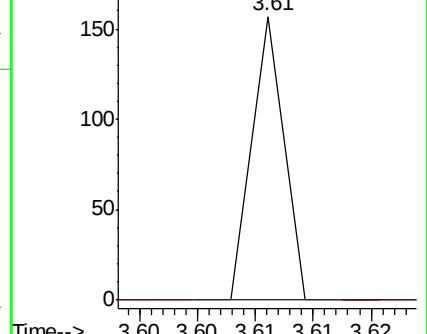
56 100

55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 1.019 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.02 min

Lab File: VN052371.D

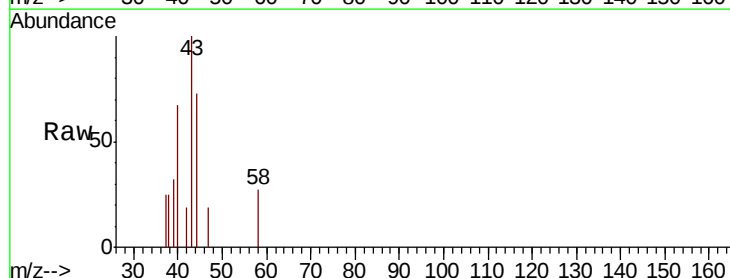
Acq: 16 Nov 2018 18:07

Tgt Ion: 43 Resp: 1199

Ion Ratio Lower Upper

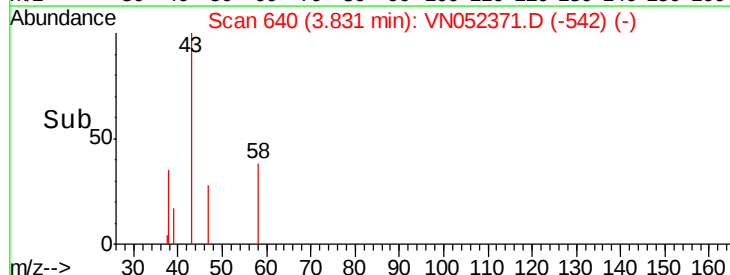
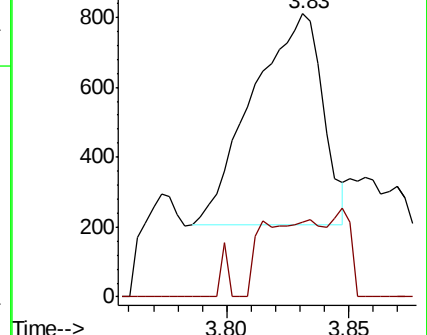
43 100

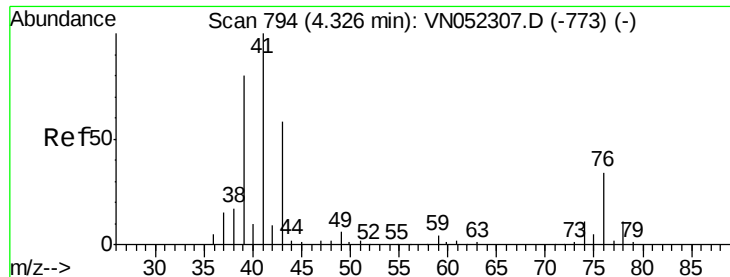
58 35.7 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 0.477 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052371.D

Acq: 16 Nov 2018 18:07

Instrument :

MSVOA_N

ClientSampled :

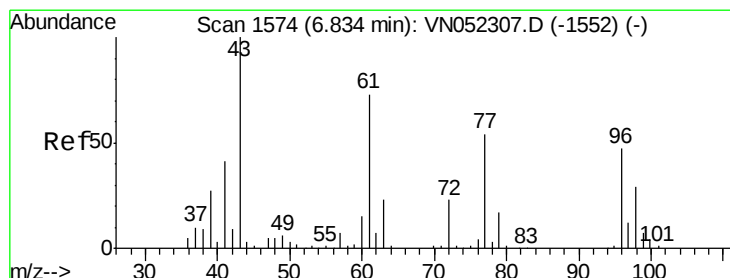
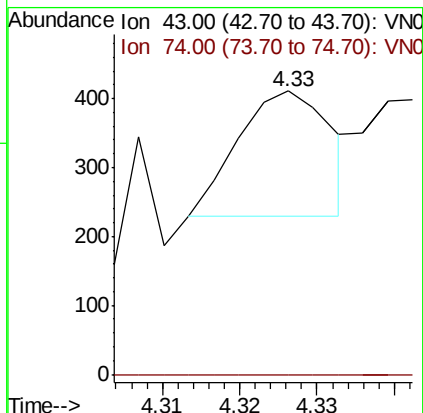
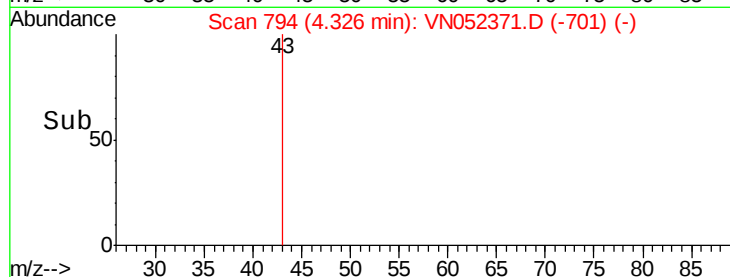
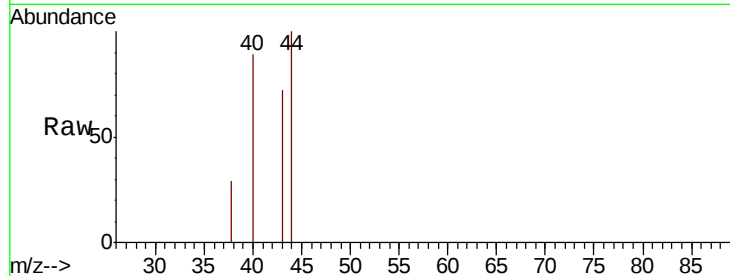
OILY-WATER

Tot Ion: 43 Resp: 151

Ion Ratio Lower Upper

43 100

74 0.0 15.9 23.9#



#25

2-Butanone

Concen: 0.249 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN052371.D

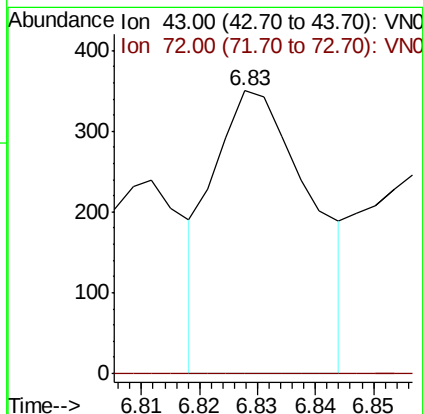
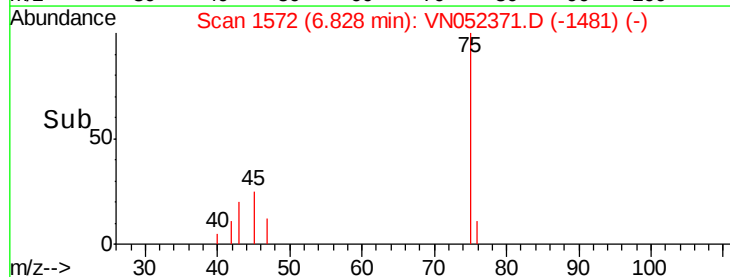
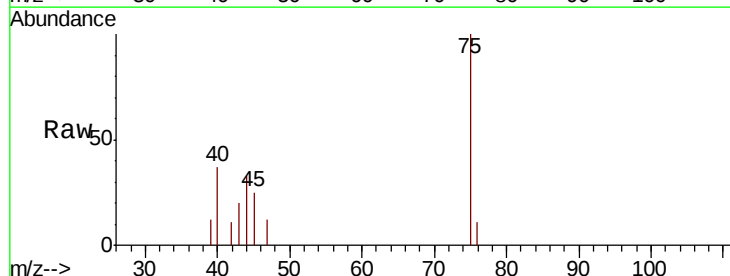
Acq: 16 Nov 2018 18:07

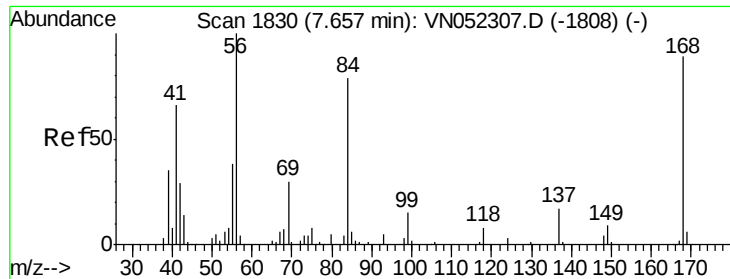
Tgt Ion: 43 Resp: 412

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#

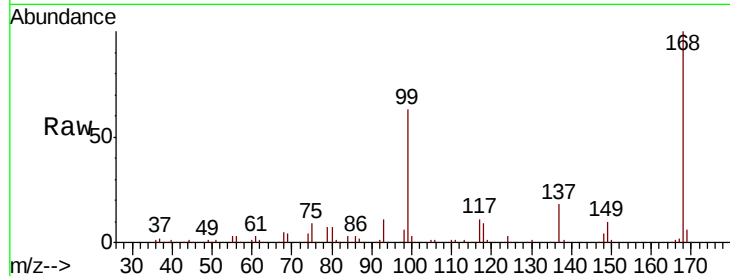




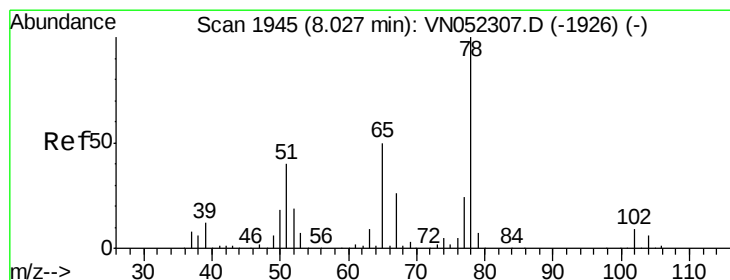
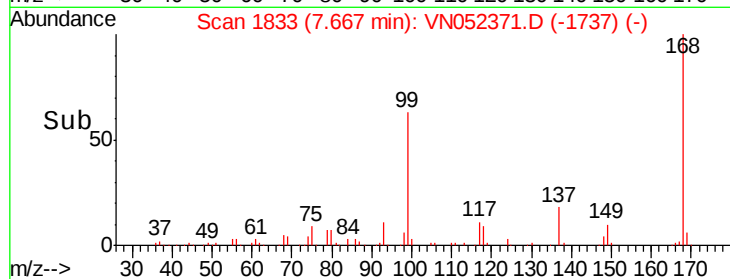
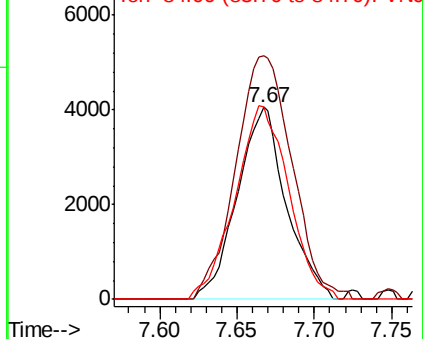
#31
Cyclohexane
Concen: 0.325 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052371.D
Acq: 16 Nov 2018 18:07

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

Tot Ion: 56 Resp: 8959
Ion Ratio Lower Upper
56 100
69 126.9 23.8 35.8#
84 100.3 63.0 94.6#

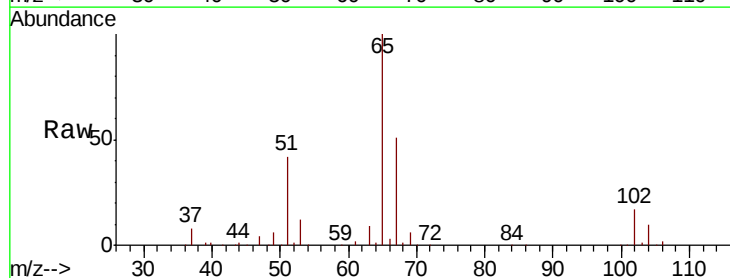


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

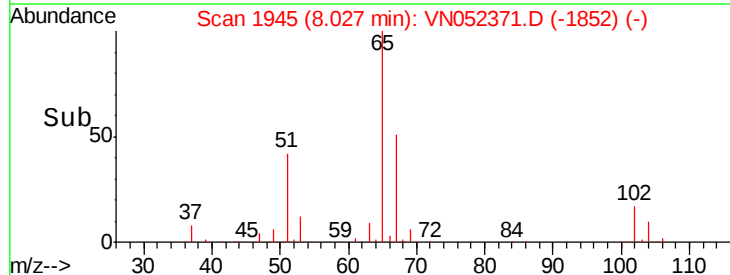
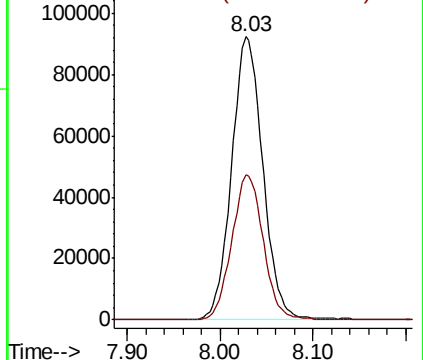


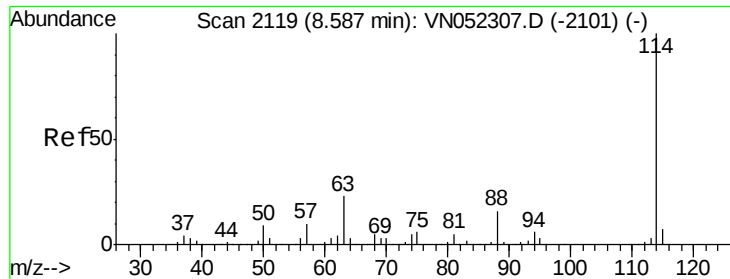
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052371.D
Acq: 16 Nov 2018 18:07

Tgt Ion: 65 Resp: 215751
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052371.D

Acq: 16 Nov 2018 18:07

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

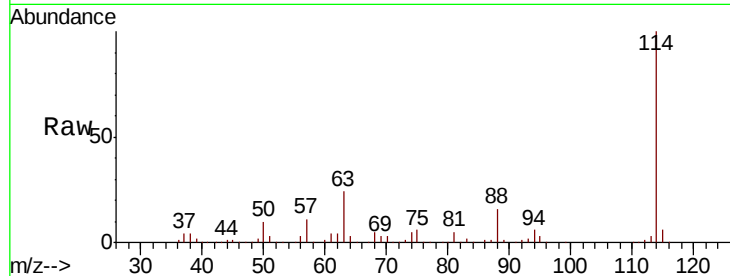
Tot Ion:114 Resp: 511090

Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.4

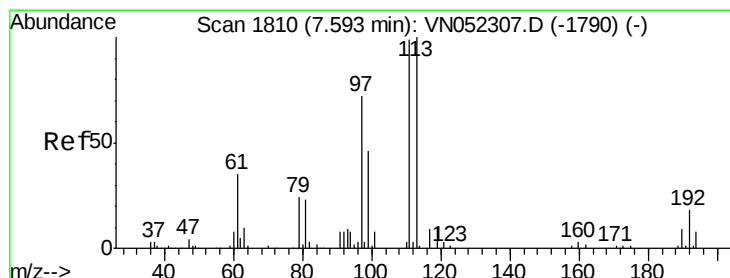
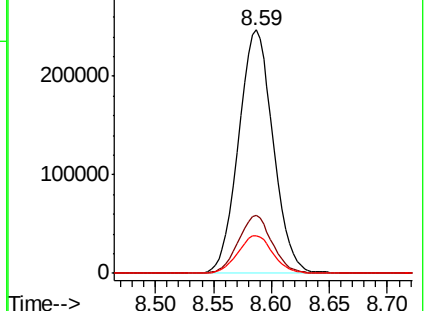
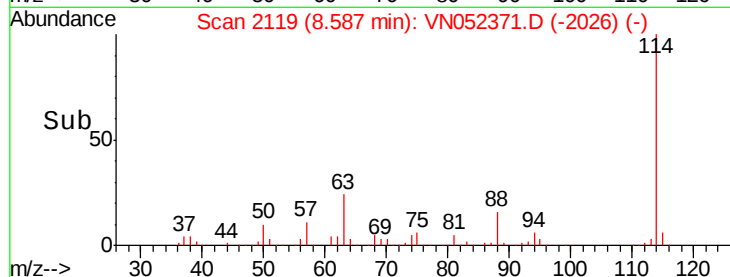
88 15.6 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052371.D

Acq: 16 Nov 2018 18:07

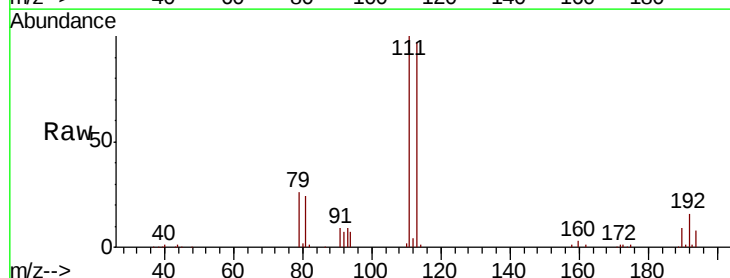
Tgt Ion:113 Resp: 164283

Ion Ratio Lower Upper

113 100

111 103.7 81.0 121.6

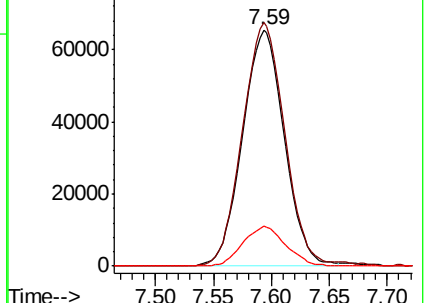
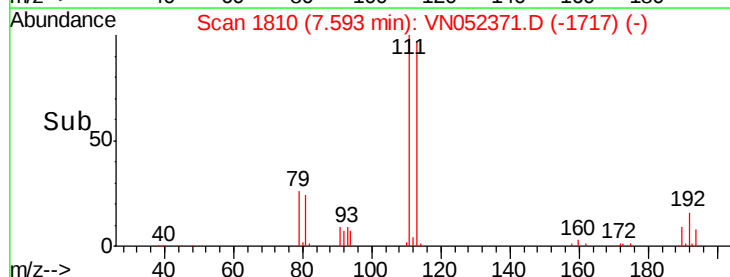
192 17.3 13.8 20.6

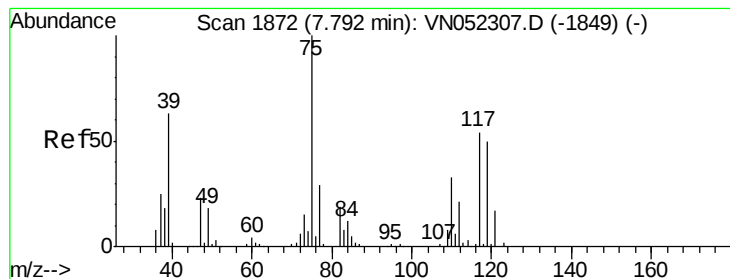


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.387 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052371.D

Acq: 16 Nov 2018 18:07

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER

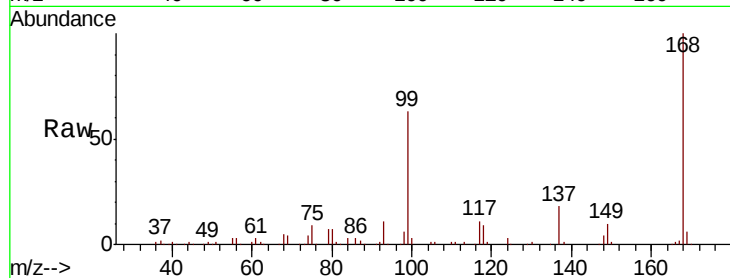
Tot Ion: 75 Resp: 27596

Ion Ratio Lower Upper

75 100

110 9.9 16.5 49.5#

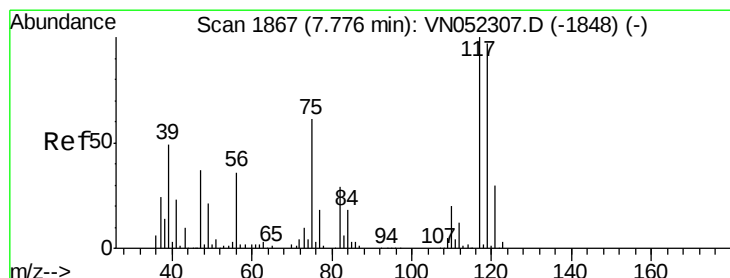
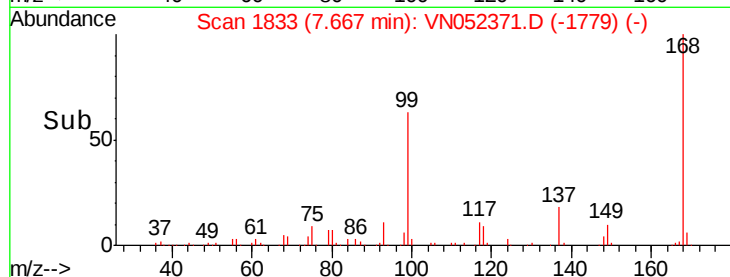
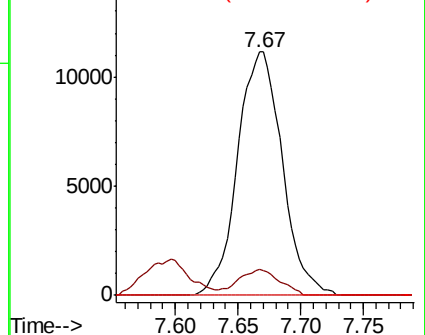
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 6.905 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052371.D

Acq: 16 Nov 2018 18:07

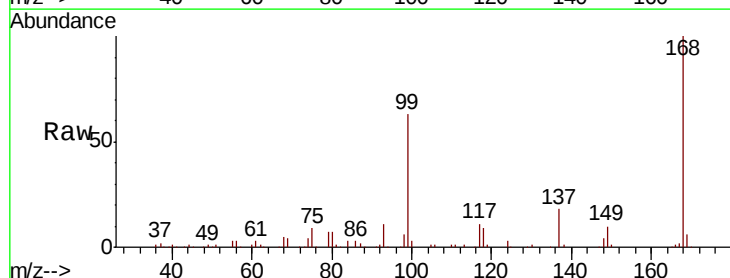
Tgt Ion: 117 Resp: 32498

Ion Ratio Lower Upper

117 100

119 5.4 77.4 116.0#

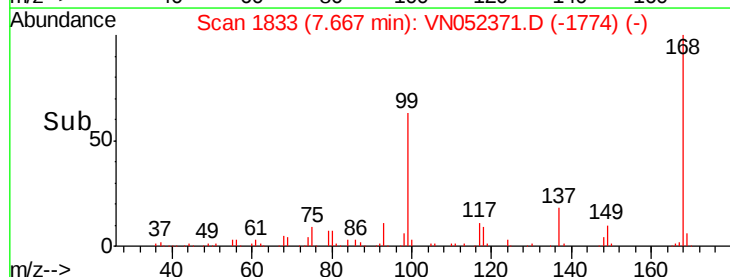
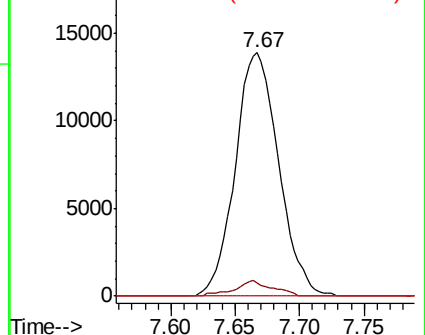
121 0.0 24.0 36.0#

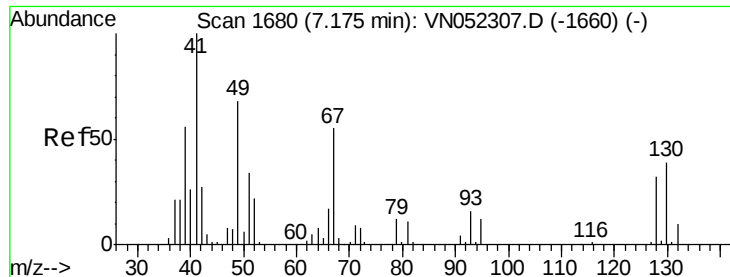


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

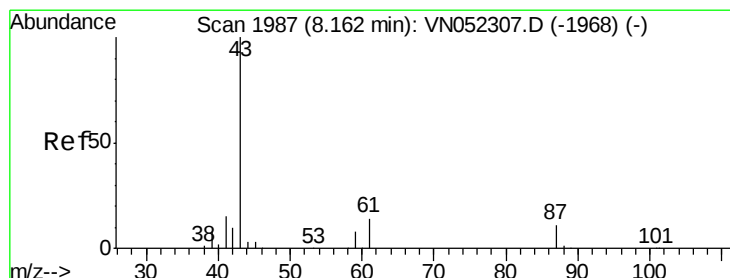
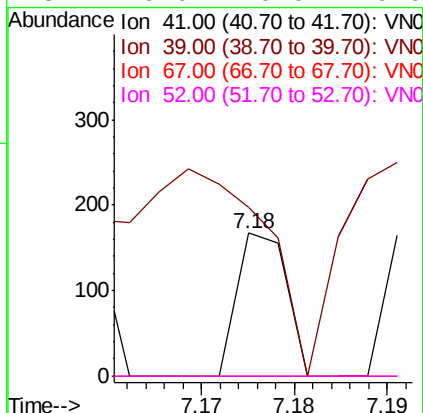
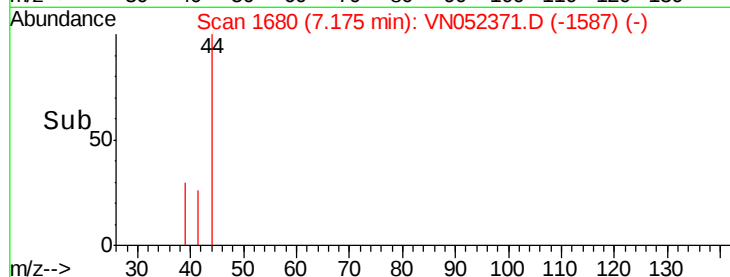
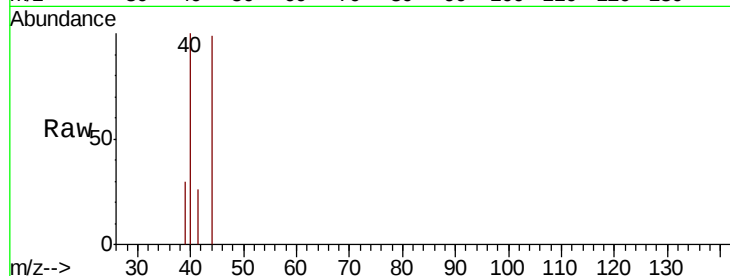




#41
Methacrylonitrile
Concen: 3.723 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052371.D
Acq: 16 Nov 2018 18:07

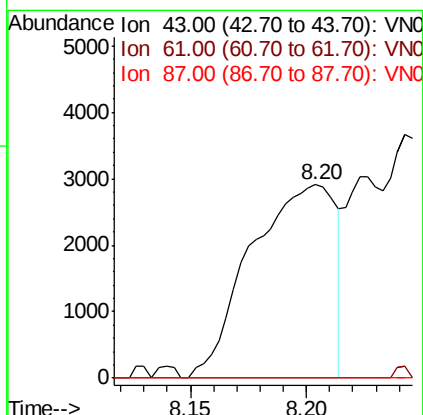
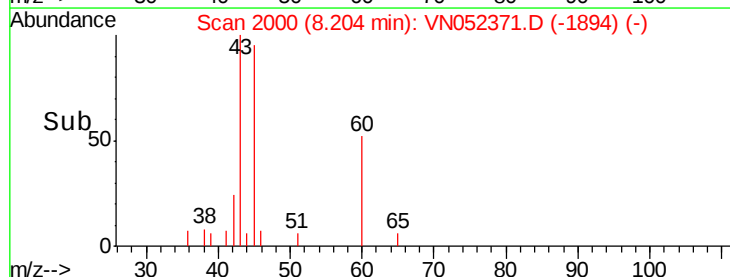
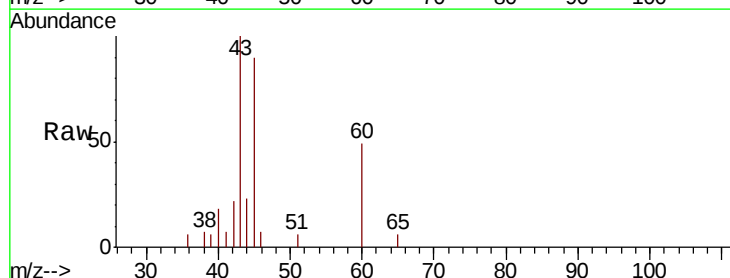
Instrument :
MSVOA_N
ClientSampled :
OILY-WATER

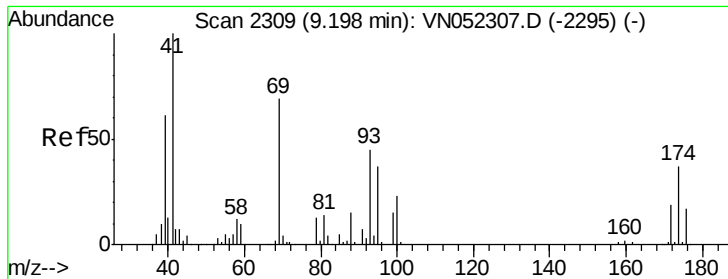
Tot Ion: 41 Resp: 62
Ion Ratio Lower Upper
41 100
39 324.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#43
Isopropyl Acetate
Concen: 1.026 ug/l
RT: 8.20 min Scan# 2000
Delta R.T. 0.04 min
Lab File: VN052371.D
Acq: 16 Nov 2018 18:07

Tgt Ion: 43 Resp: 7363
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
87 0.0 8.3 12.5#

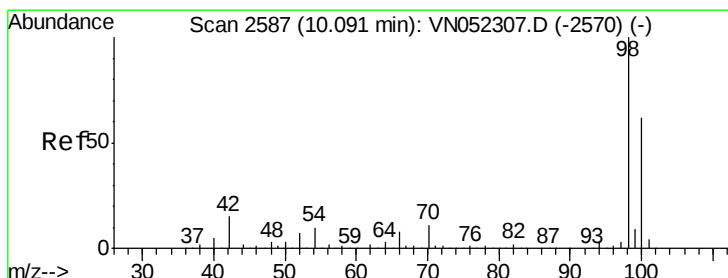
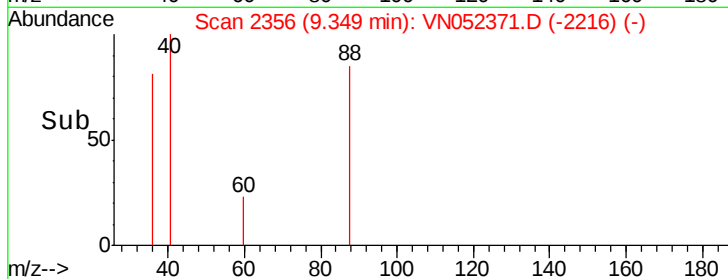
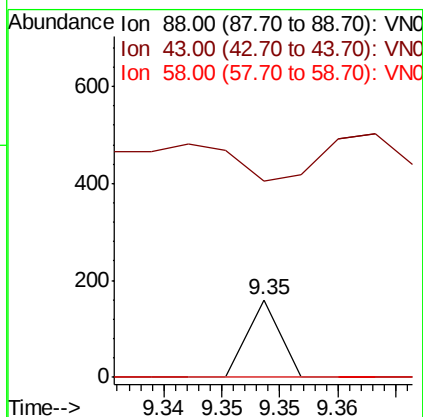
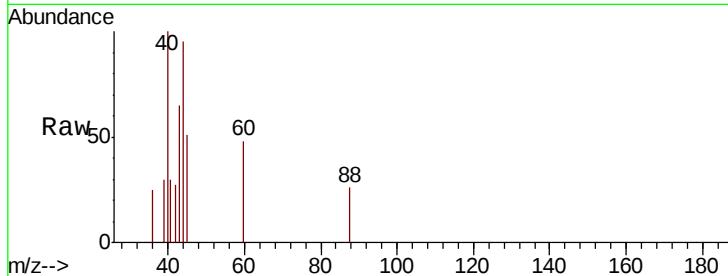




#49
1,4-Dioxane
Concen: 1.109 ug/l
RT: 9.35 min Scan# 2356
Delta R.T. 0.15 min
Lab File: VN052371.D
Acq: 16 Nov 2018 18:07

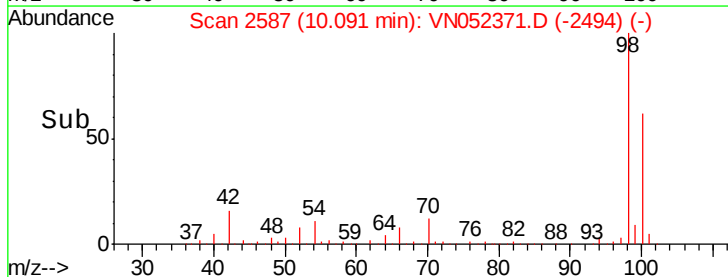
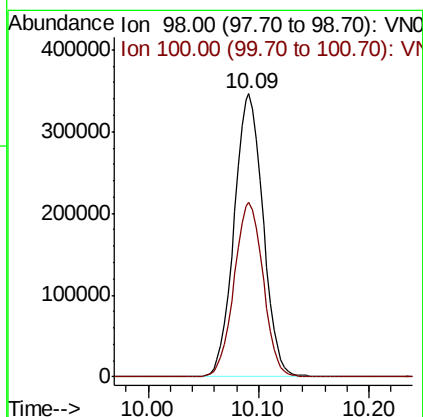
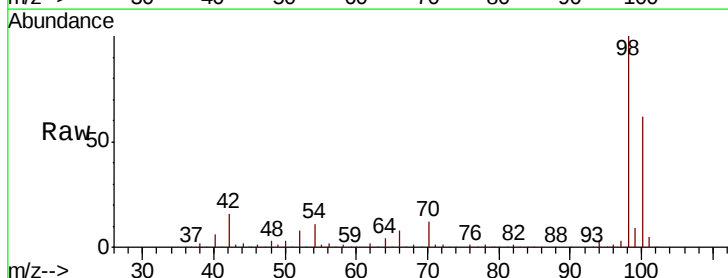
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

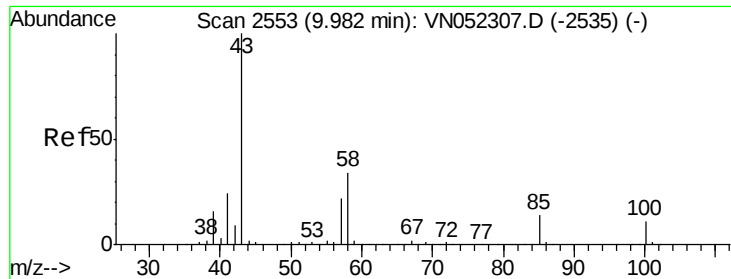
Tot Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 535.5 33.3 49.9#
58 0.0 59.2 88.8#



#50
Toluene-d8
Concen: 1.109 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052371.D
Acq: 16 Nov 2018 18:07

Tgt Ion: 98 Resp: 629166
Ion Ratio Lower Upper
98 100
100 62.0 49.5 74.3





#51

4-Methyl-2-Pentanone

Concen: 0.239 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN052371.D

Acq: 16 Nov 2018 18:07

Instrument :

MSVOA_N

ClientSampleId :

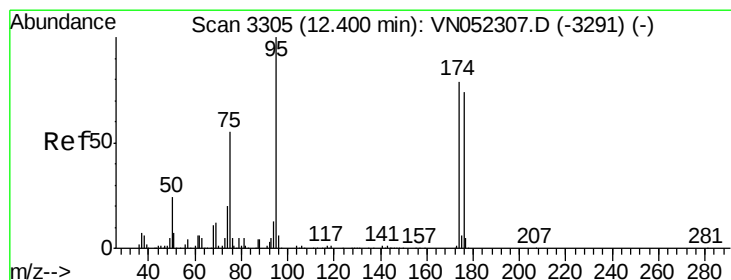
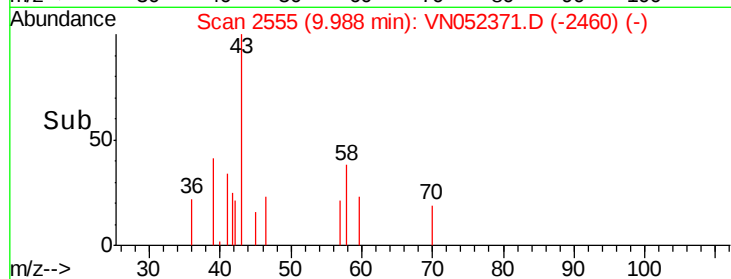
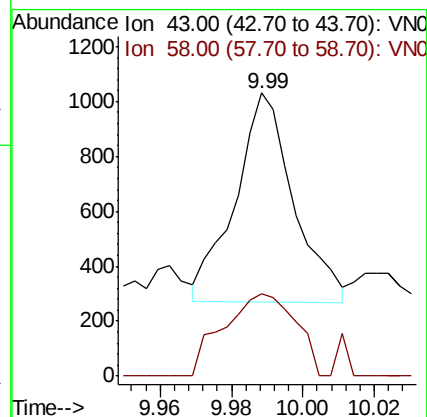
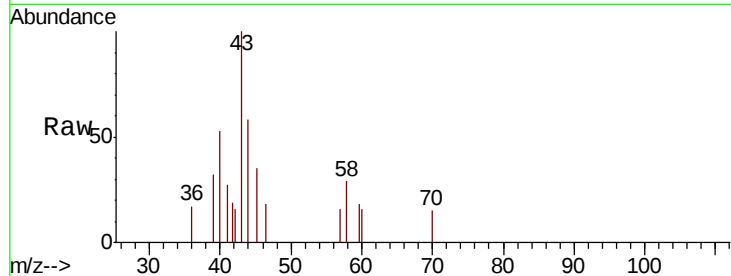
OILY-WATER

Tot Ion: 43 Resp: 862

Ion Ratio Lower Upper

43 100

58 48.7 27.0 40.6#



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052371.D

Acq: 16 Nov 2018 18:07

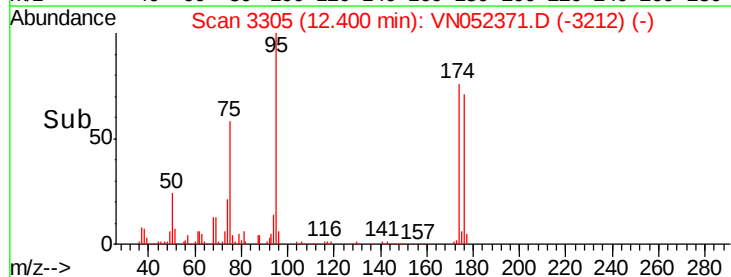
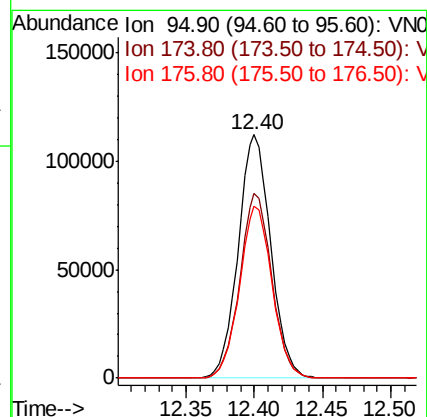
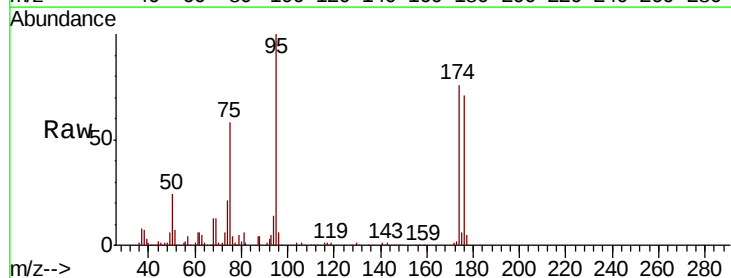
Tgt Ion: 95 Resp: 185452

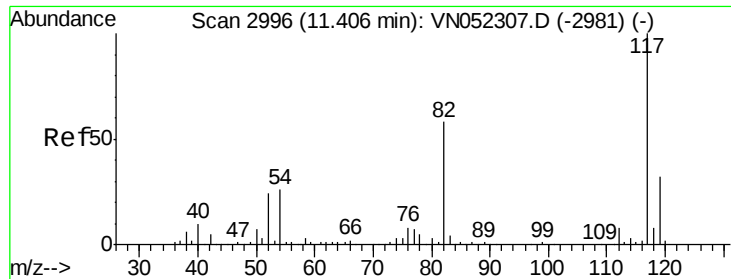
Ion Ratio Lower Upper

95 100

174 74.5 0.0 156.0

176 70.8 0.0 148.4

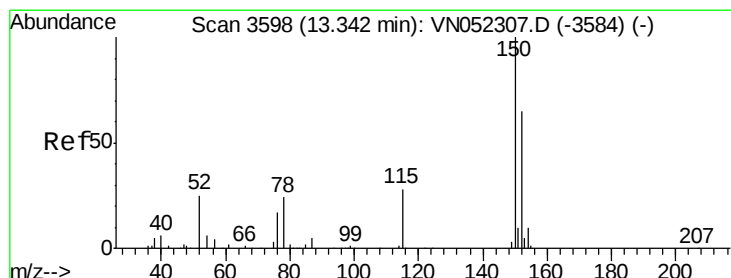
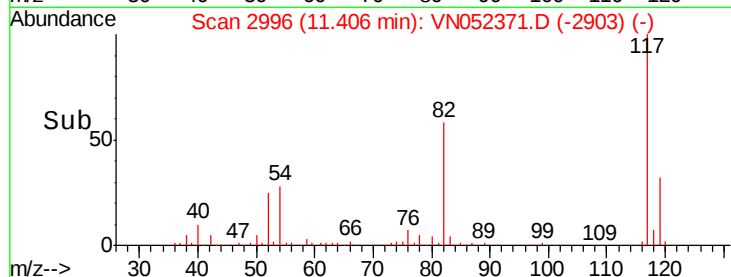
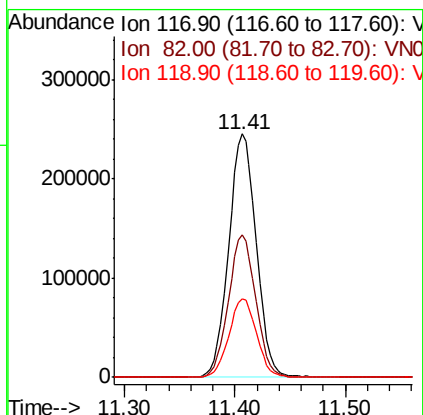
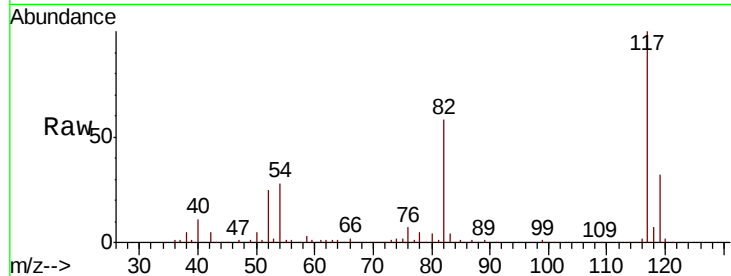




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052371.D
Acq: 16 Nov 2018 18:07

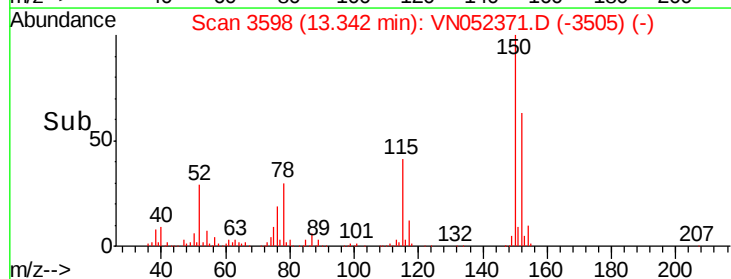
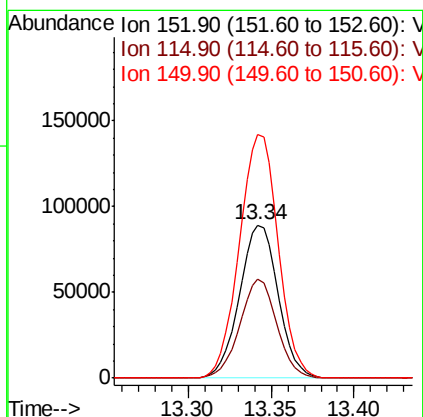
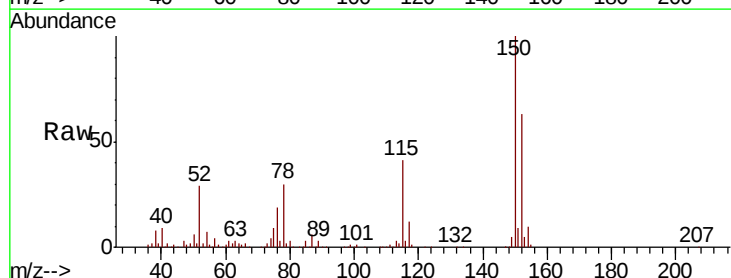
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATER

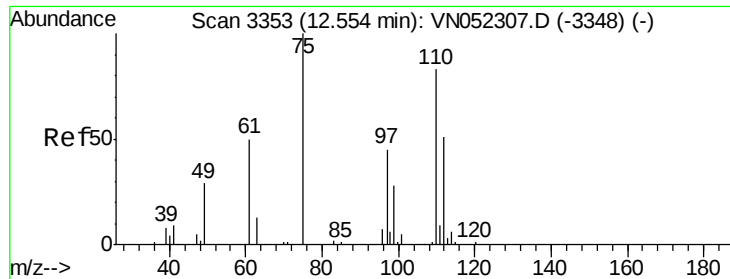
Tot Ion:117 Resp: 423381
Ion Ratio Lower Upper
117 100
82 58.5 46.5 69.7
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052371.D
Acq: 16 Nov 2018 18:07

Tgt Ion:152 Resp: 144541
Ion Ratio Lower Upper
152 100
115 61.6 30.3 91.0
150 160.2 0.0 348.2

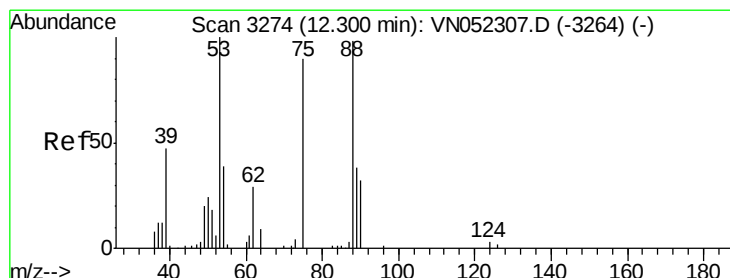
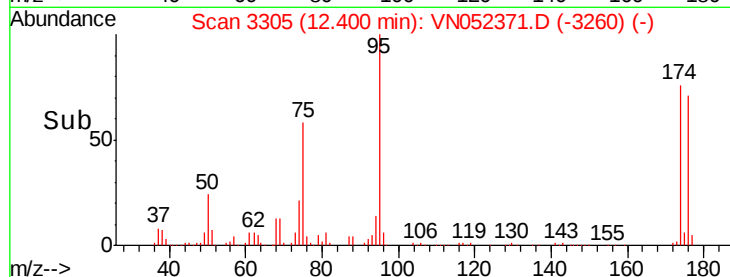
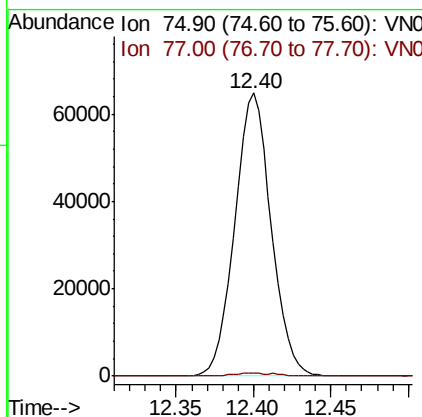
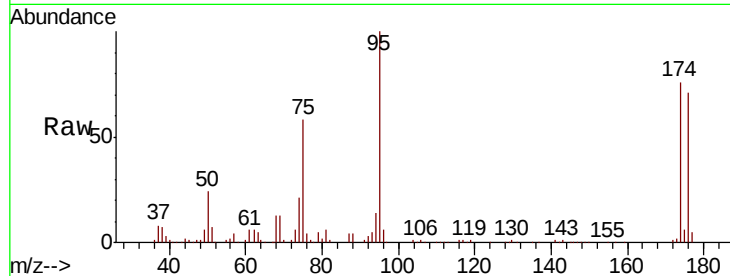




#76
 1,2,3-Trichloropropane
 Concen: 43.044 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052371.D
 Acq: 16 Nov 2018 18:07

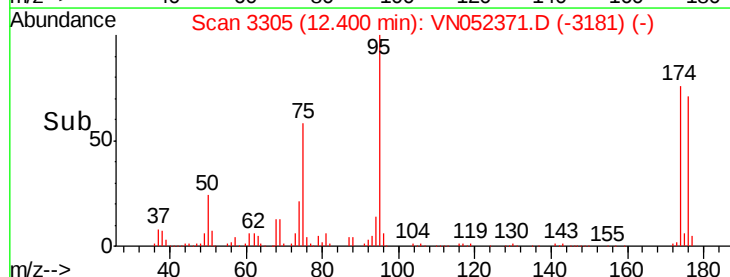
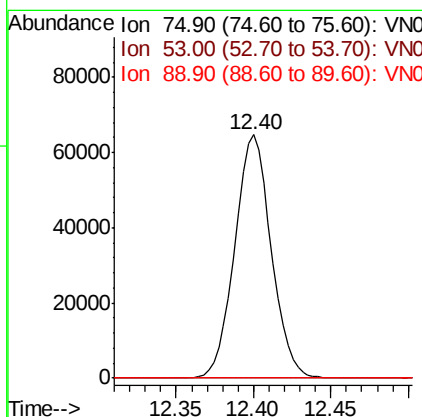
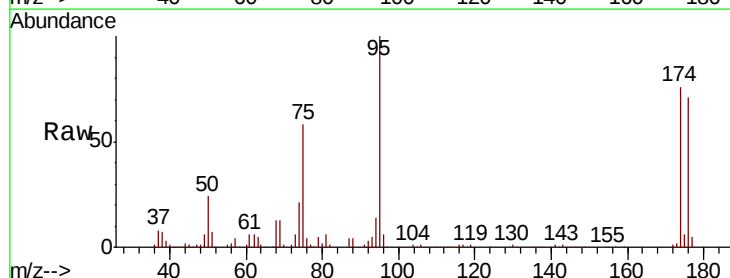
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATER

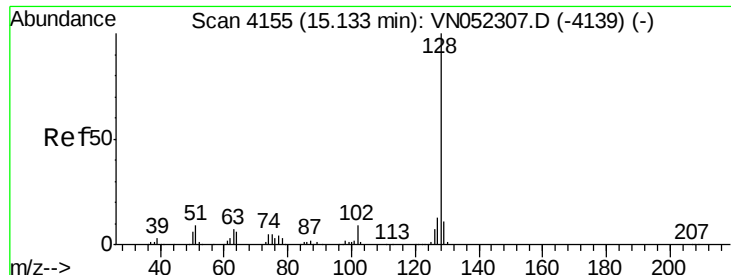
Tot Ion: 75 Resp: 105569
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.608 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052371.D
 Acq: 16 Nov 2018 18:07

Tgt Ion: 75 Resp: 105569
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.2 135.2#
 89 0.0 35.4 53.0#





#95

Naphthalene

Concen: 2.701 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052371.D

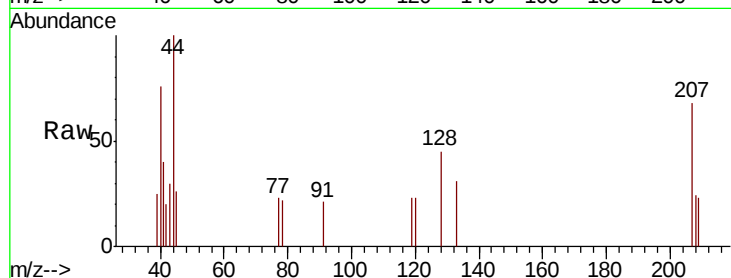
Acq: 16 Nov 2018 18:07

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATER



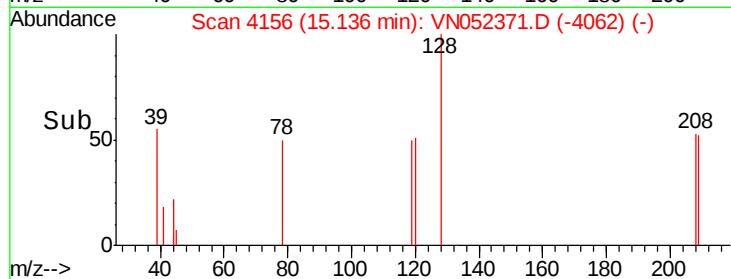
Tot Ion:128 Resp: 521

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

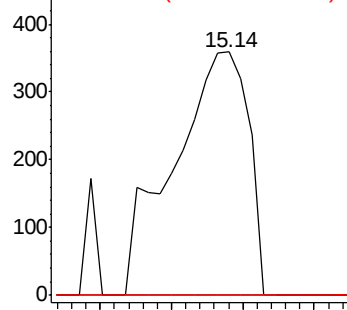
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->