

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101018\
 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 Time: Oct 11 05:06:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	129508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	212184	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	185061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	85643	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	98865	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
35) Dibromofluoromethane	4.89	113	71206	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	7.57	98	267860	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	10.31	95	89838	44.42	ug/l	0.00
Spiked Amount			Recovery	=	88.84%	

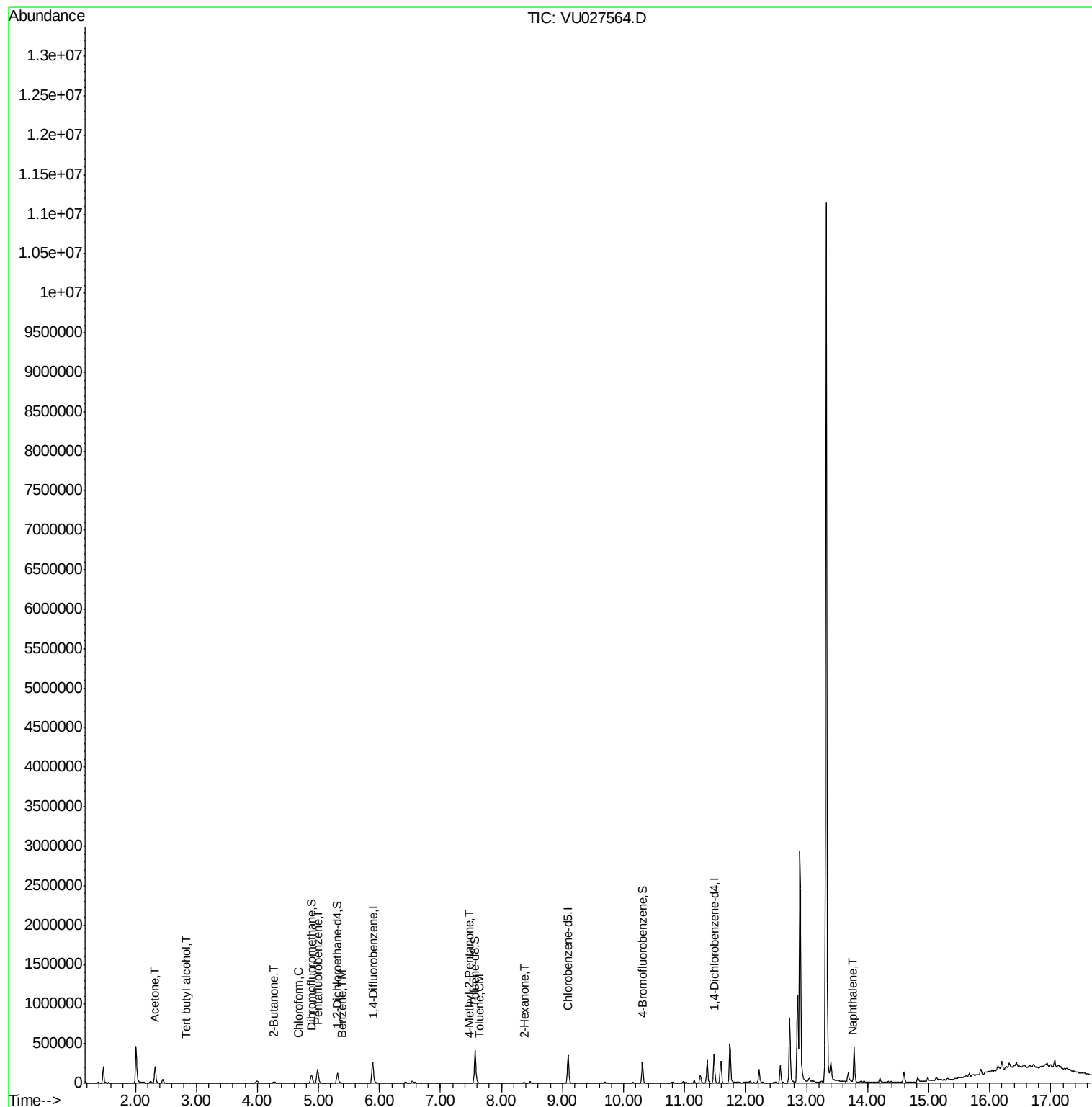
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	2975	6.533	ug/l #	80
16) Acetone	2.32	43	217558	170.292	ug/l	98
25) 2-Butanone	4.27	43	27281	15.659	ug/l	100
30) Chloroform	4.68	83	4836	1.604	ug/l	94
40) Benzene	5.40	78	1475	0.220	ug/l #	79
51) 4-Methyl-2-Pentanone	7.47	43	4455	1.483	ug/l	91
52) Toluene	7.64	92	993	0.250	ug/l	100
59) 2-Hexanone	8.37	43	5804	2.490	ug/l	98
95) Naphthalene	13.75	128	2612	2.050	ug/l #	92

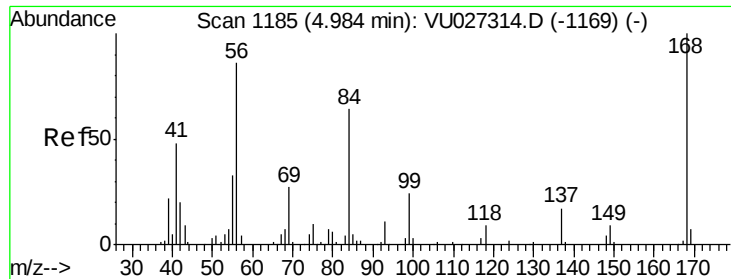
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027564.D

Acq: 10 Oct 2018 12:53

Instrument :

MSVOA_U

ClientSampleId :

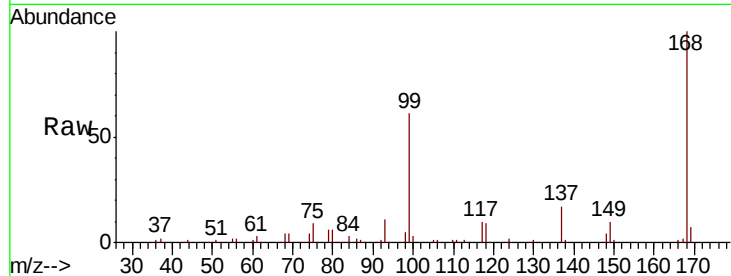
OILY-WATER

Tot Ion:168 Resp: 129508

Ion Ratio Lower Upper

168 100

99 60.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

50000

40000

30000

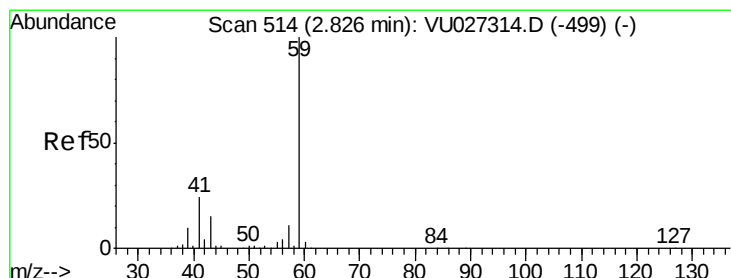
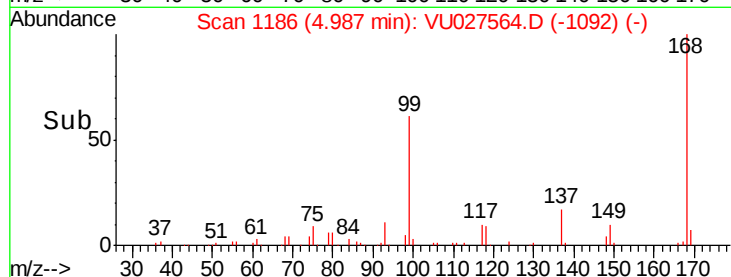
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 6.533 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU027564.D

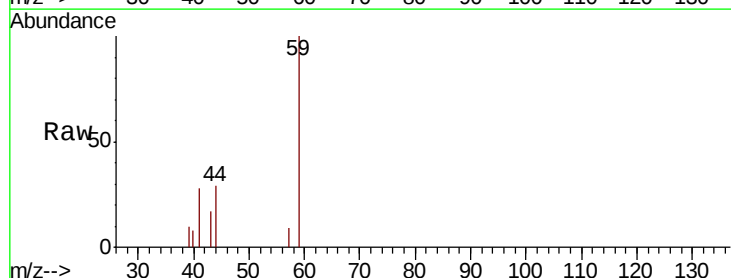
Acq: 10 Oct 2018 12:53

Tgt Ion: 59 Resp: 2975

Ion Ratio Lower Upper

59 100

57 3.2 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.83

1500

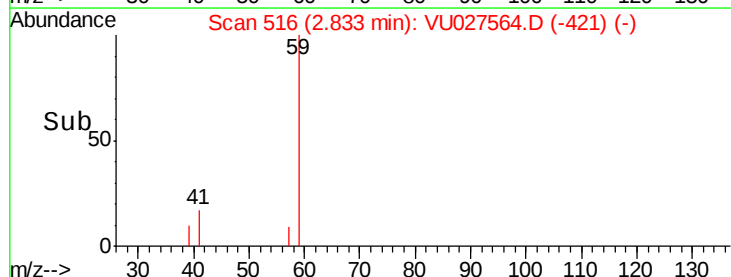
1000

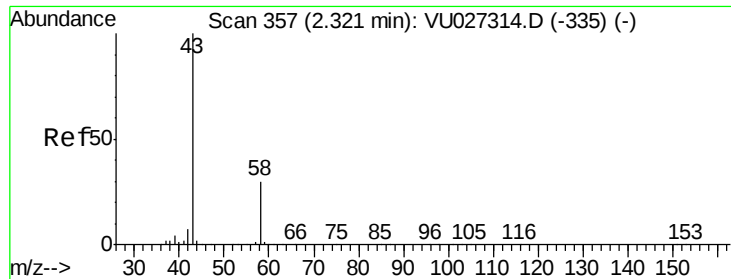
500

0

2.80 2.85

Time-->





#16

Acetone

Concen: 170.292 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027564.D

Acq: 10 Oct 2018 12:53

Instrument :

MSVOA_U

ClientSampled :

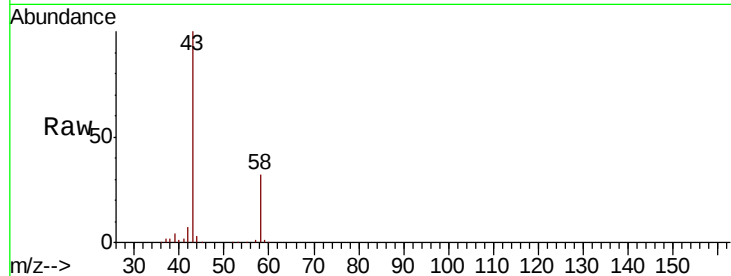
OILY-WATER

Tot Ion: 43 Resp: 217558

Ion Ratio Lower Upper

43 100

58 31.4 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-335) (-)

2.32

150000

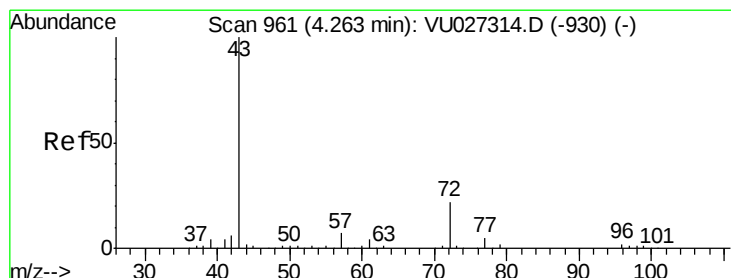
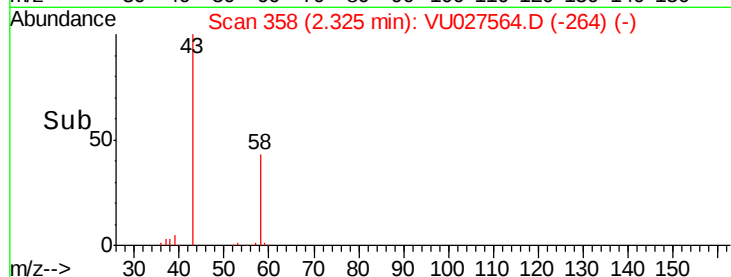
100000

50000

0

2.25 2.30 2.35 2.40 2.45

Time-->



#25

2-Butanone

Concen: 15.659 ug/l

RT: 4.27 min Scan# 964

Delta R.T. 0.01 min

Lab File: VU027564.D

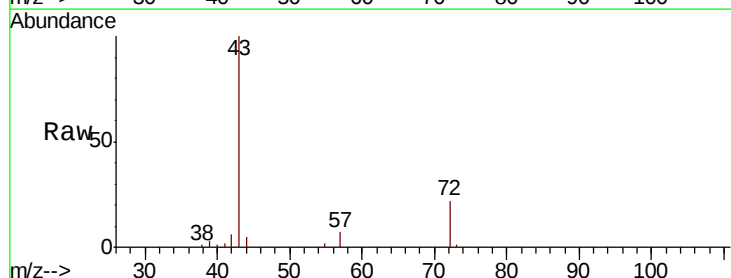
Acq: 10 Oct 2018 12:53

Tgt Ion: 43 Resp: 27281

Ion Ratio Lower Upper

43 100

72 22.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VU027314.D (-930) (-)

4.27

12000

10000

8000

6000

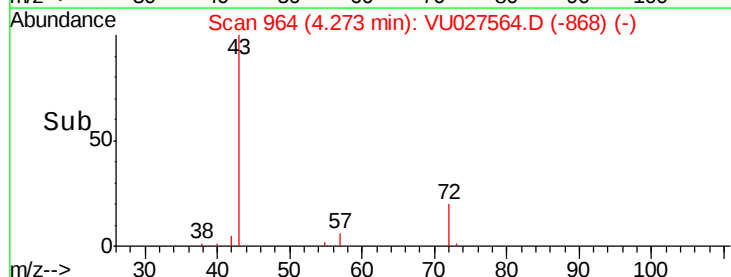
4000

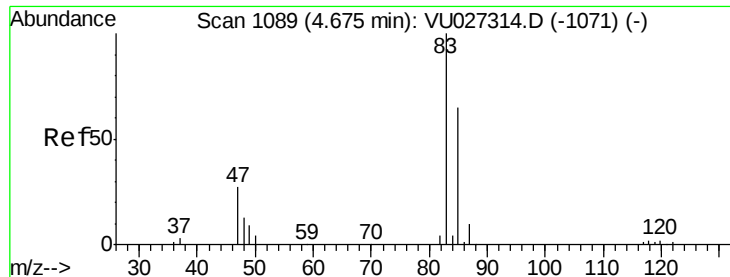
2000

0

4.20 4.30 4.40

Time-->





#30

Chloroform

Concen: 1.604 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU027564.D

Acq: 10 Oct 2018 12:53

Instrument :

MSVOA_U

ClientSampleId :

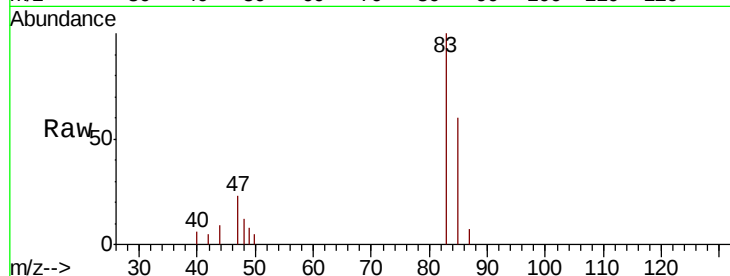
OILY-WATER

Tot Ion: 83 Resp: 4836

Ion Ratio Lower Upper

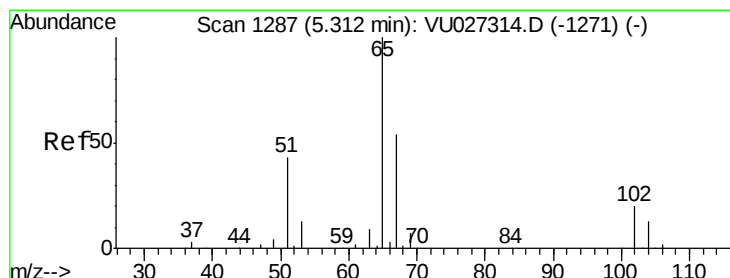
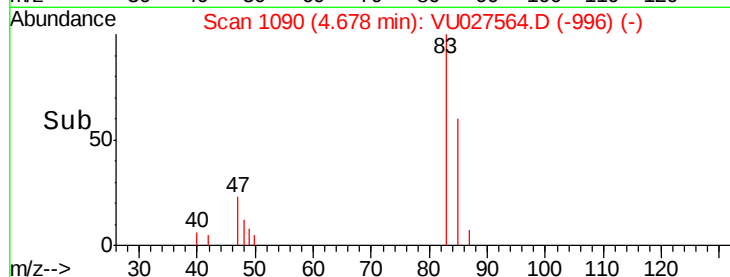
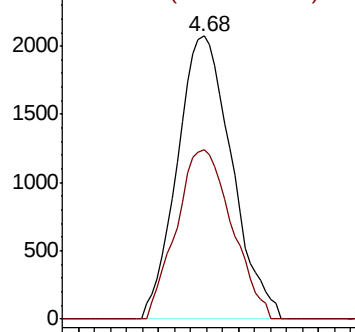
83 100

85 59.8 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 45.717 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027564.D

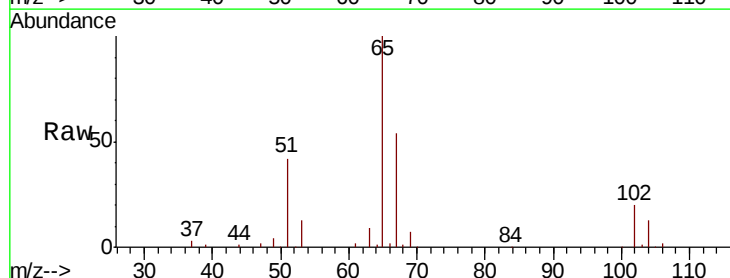
Acq: 10 Oct 2018 12:53

Tgt Ion: 65 Resp: 98865

Ion Ratio Lower Upper

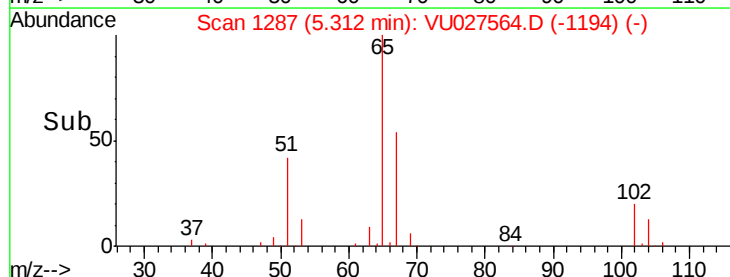
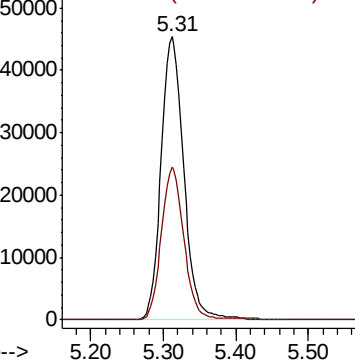
65 100

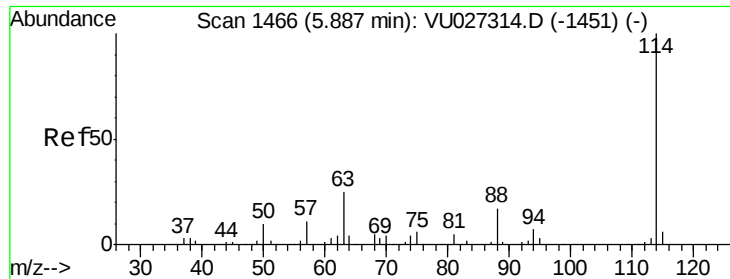
67 53.4 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

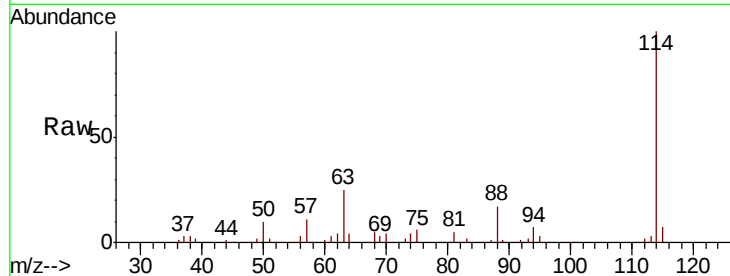




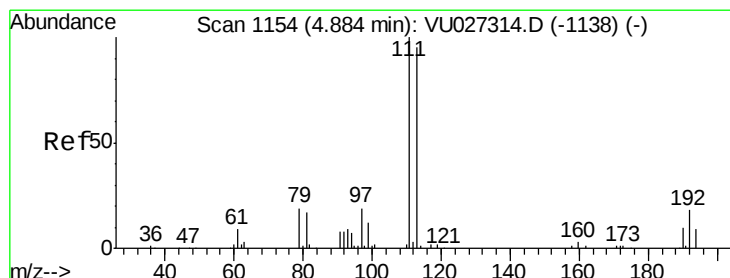
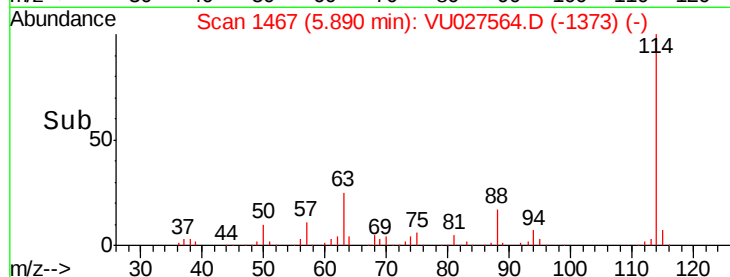
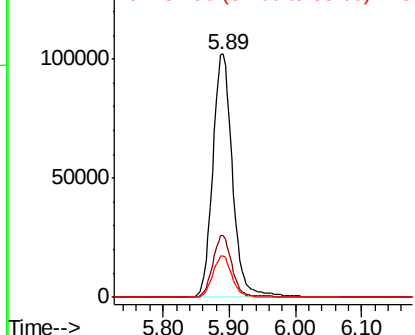
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027564.D
 Acq: 10 Oct 2018 12:53

Instrument :
 MSVOA_U
 ClientSampleId :
 OILY-WATER

Tot Ion:114 Resp: 212184
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 50.2
 88 17.1 0.0 33.8

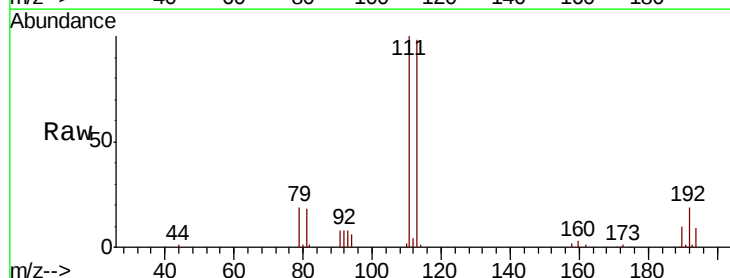


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

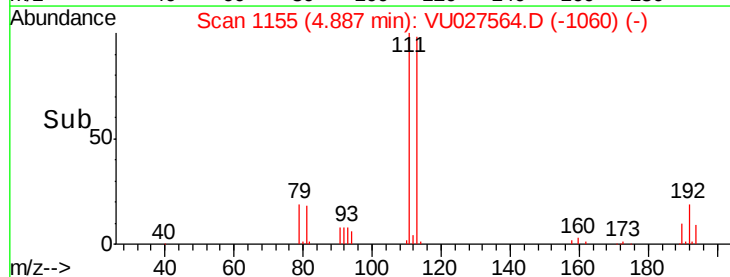
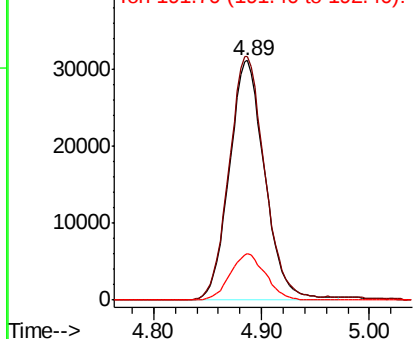


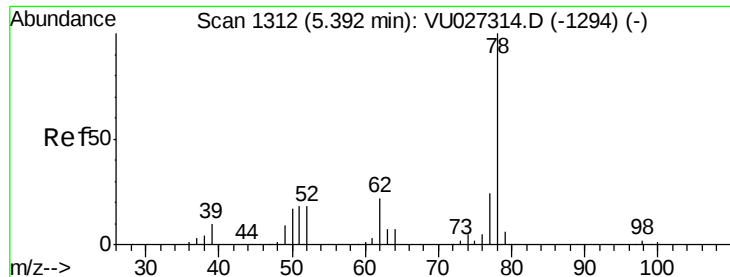
#35
 Dibromofluoromethane
 Concen: 48.967 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027564.D
 Acq: 10 Oct 2018 12:53

Tgt Ion:113 Resp: 71206
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.1 124.7
 192 19.3 15.4 23.0



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





#40

Benzene

Concen: 0.220 ug/l

RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU027564.D

Acq: 10 Oct 2018 12:53

Instrument :

MSVOA_U

ClientSampleId :

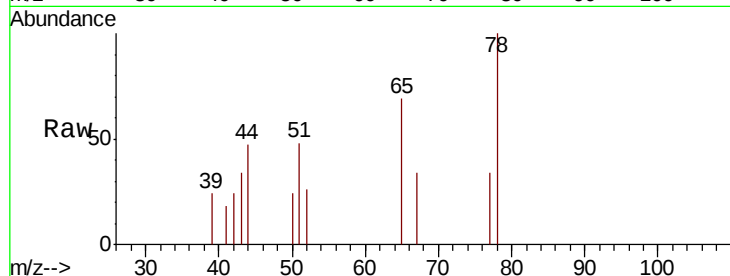
OILY-WATER

Tot Ion: 78 Resp: 1475

Ion Ratio Lower Upper

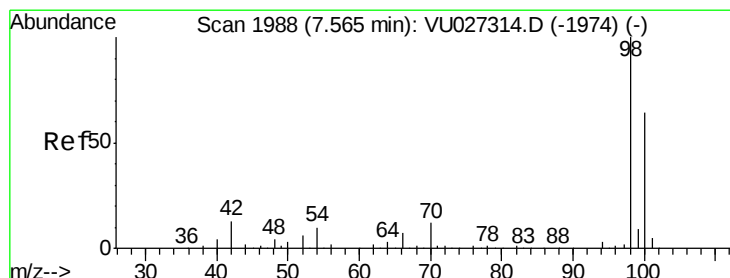
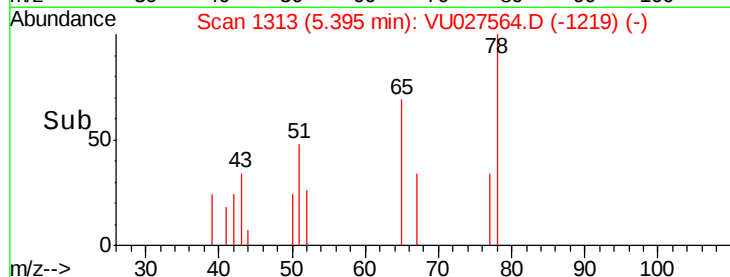
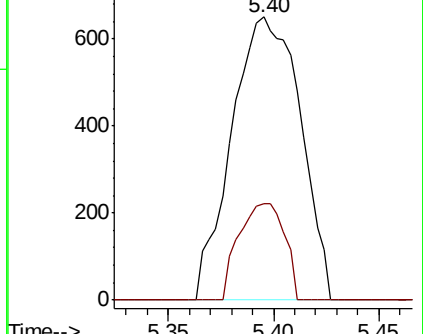
78 100

77 34.3 19.3 28.9#



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 49.217 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027564.D

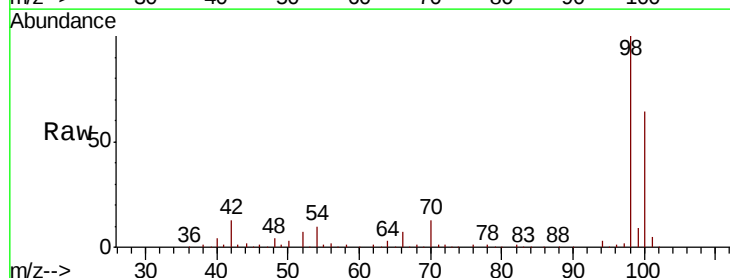
Acq: 10 Oct 2018 12:53

Tgt Ion: 98 Resp: 267860

Ion Ratio Lower Upper

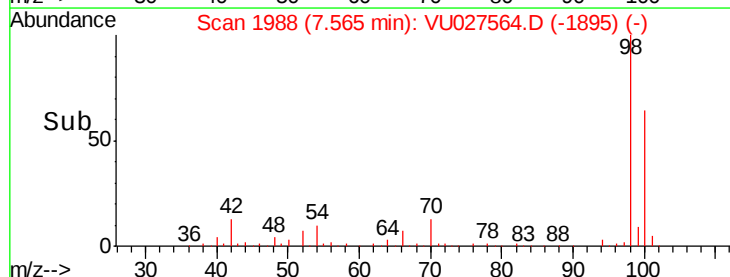
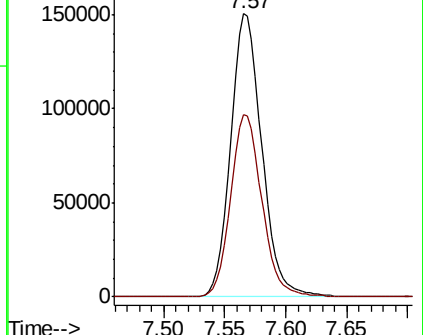
98 100

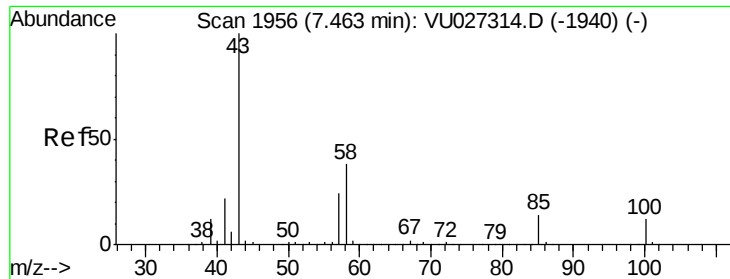
100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 1.483 ug/l

RT: 7.47 min Scan# 1958

Delta R.T. 0.01 min

Lab File: VU027564.D

Acq: 10 Oct 2018 12:53

Instrument :

MSVOA_U

ClientSampleId :

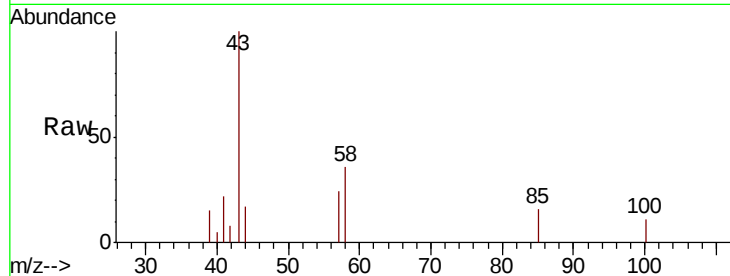
OILY-WATER

Tot Ion: 43 Resp: 4455

Ion Ratio Lower Upper

43 100

58 32.2 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-1940) (-)

7.47

2500

2000

1500

1000

500

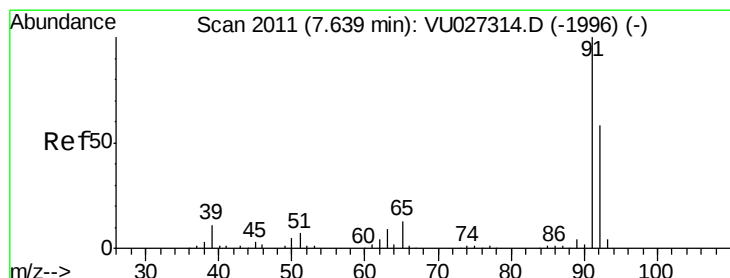
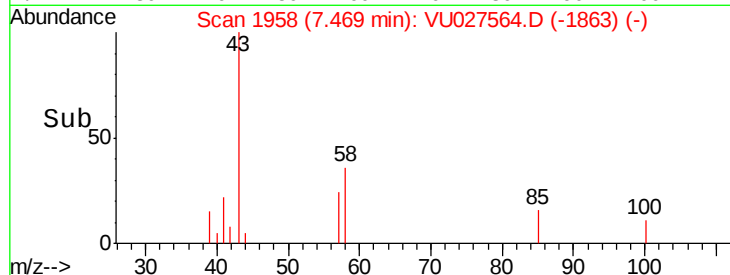
0

7.40

7.45

7.50

Time-->



#52

Toluene

Concen: 0.250 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027564.D

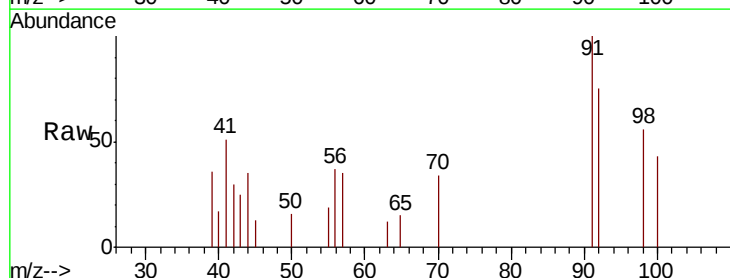
Acq: 10 Oct 2018 12:53

Tgt Ion: 92 Resp: 993

Ion Ratio Lower Upper

92 100

91 172.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU027314.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027314.D (-1996) (-)

7.64

1000

800

600

400

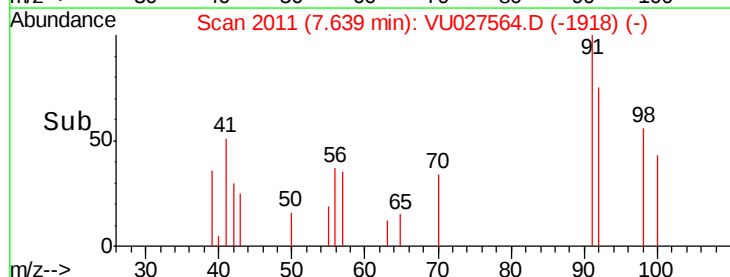
200

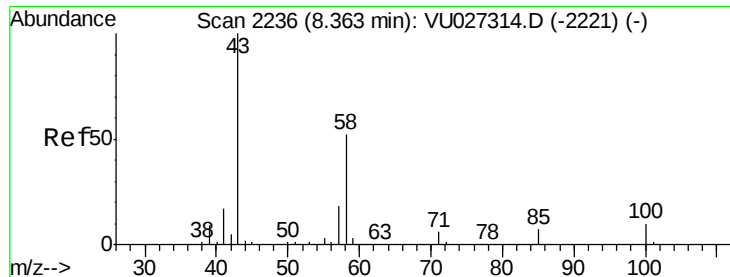
0

7.60

7.65

Time-->

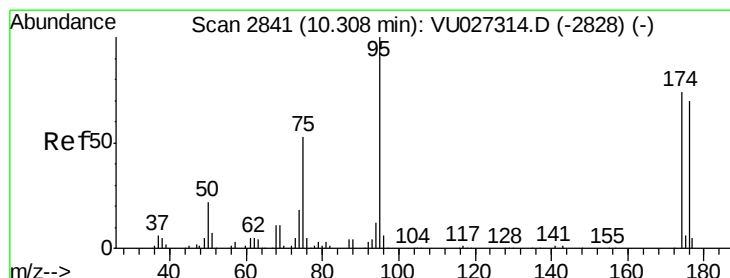
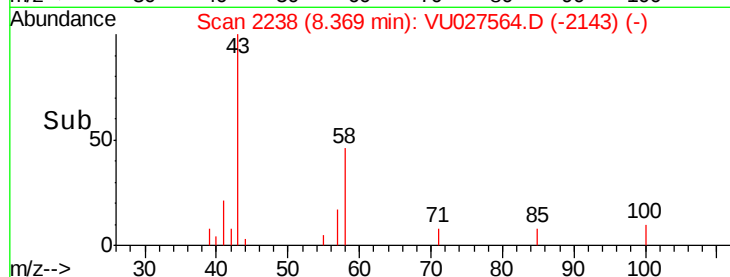
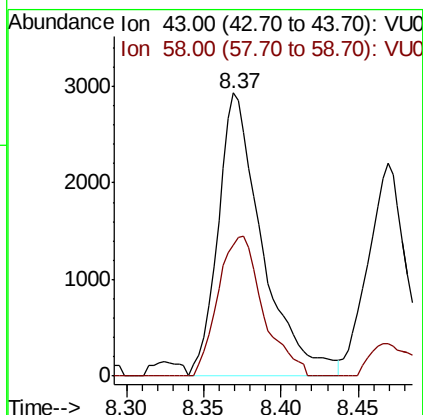
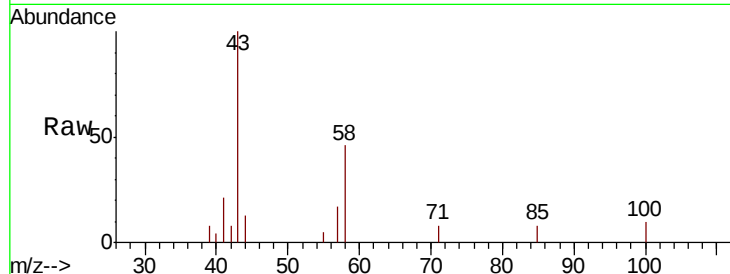




#59
2-Hexanone
Concen: 2.490 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU027564.D
Acq: 10 Oct 2018 12:53

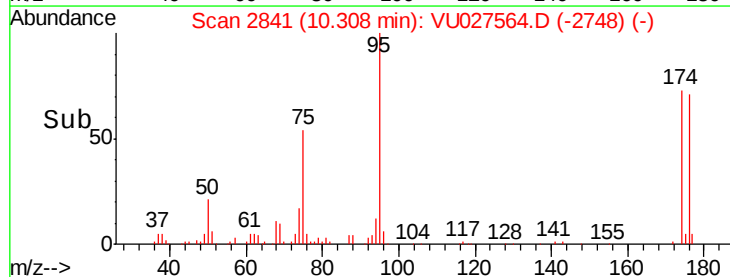
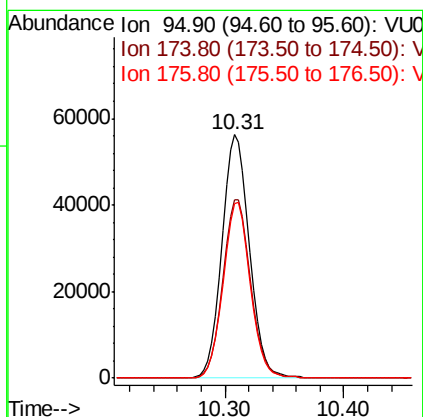
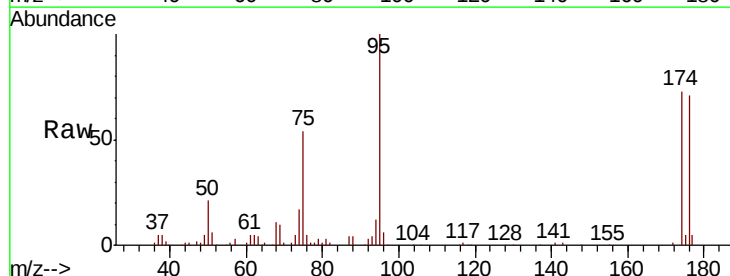
Instrument :
MSVOA_U
ClientSampleId :
OILY-WATER

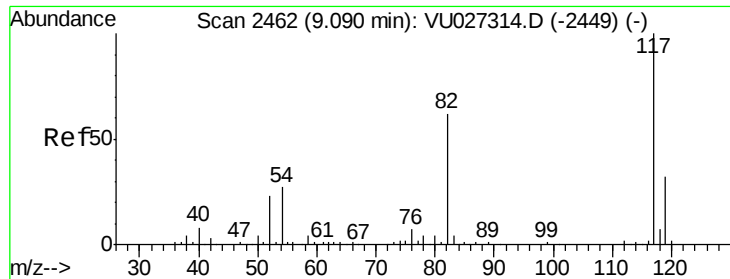
Tot Ion: 43 Resp: 5804
Ion Ratio Lower Upper
43 100
58 50.5 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 44.416 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027564.D
Acq: 10 Oct 2018 12:53

Tgt Ion: 95 Resp: 89838
Ion Ratio Lower Upper
95 100
174 74.7 0.0 147.8
176 71.7 0.0 140.8

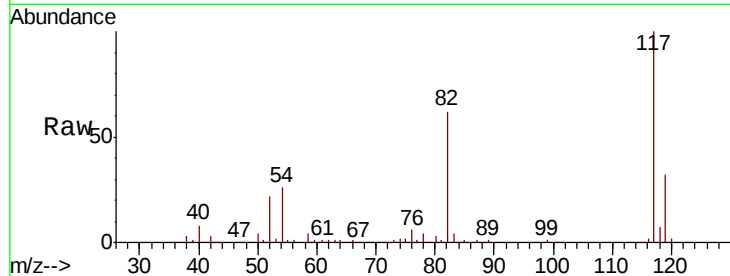




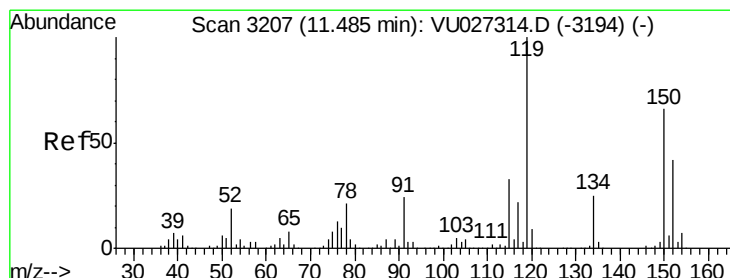
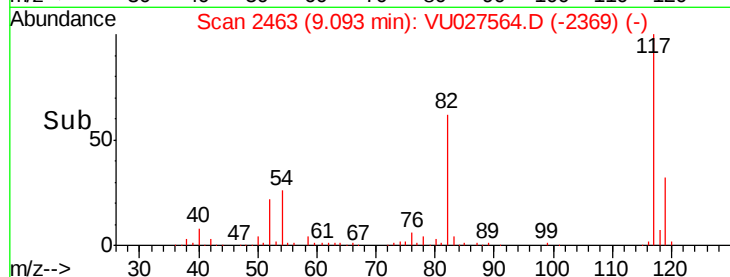
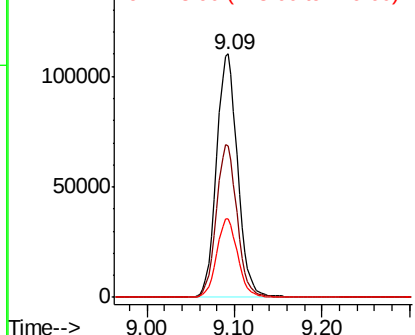
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027564.D
Acq: 10 Oct 2018 12:53

Instrument :
MSVOA_U
ClientSampleId :
OILY-WATER

Tot Ion:117 Resp: 185061
Ion Ratio Lower Upper
117 100
82 62.1 49.2 73.8
119 32.4 25.7 38.5

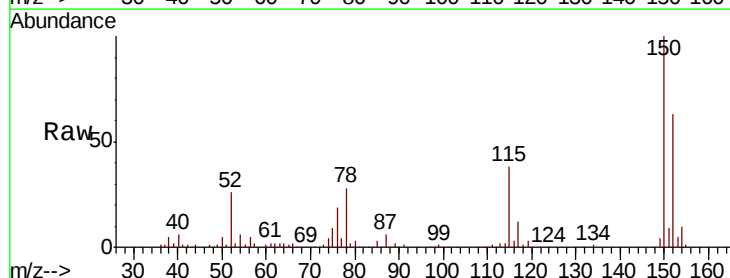


Abundance Ion 116.90 (116.60 to 117.60): V
150000 Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

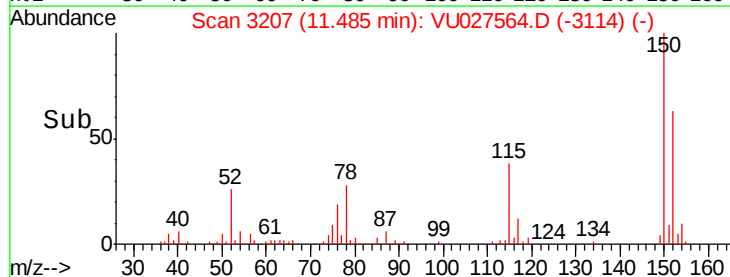
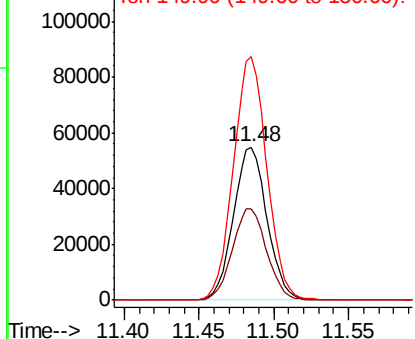


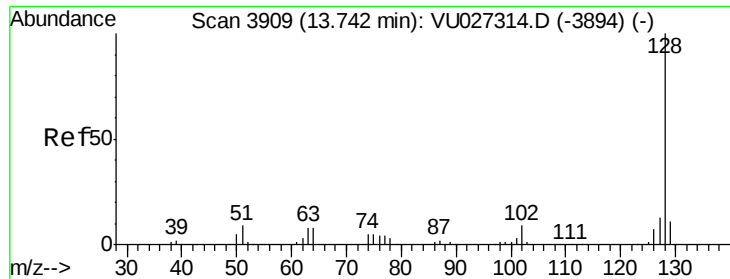
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027564.D
Acq: 10 Oct 2018 12:53

Tgt Ion:152 Resp: 85643
Ion Ratio Lower Upper
152 100
115 61.0 43.4 130.2
150 158.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
120000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#95
 Naphthalene
 Concen: 2.050 ug/l
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU027564.D
 Acq: 10 Oct 2018 12:53

Instrument :
 MSVOA_U
 ClientSampleId :
 OILY-WATER

Tot Ion:128 Resp: 2612
 Ion Ratio Lower Upper
 128 100
 127 17.2 10.5 15.7#
 129 8.7 8.6 12.8

