

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024541.D
 Acq On : 14 Jun 2018 15:43
 Operator : MD/SY
 Sample : J3456-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ES-OILY-WATER

Quant Time: Jun 15 08:50:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	178605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	301866	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	289536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	173414	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	136604	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
35) Dibromofluoromethane	4.89	113	121533	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	7.57	98	451344	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	10.31	95	171893	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	

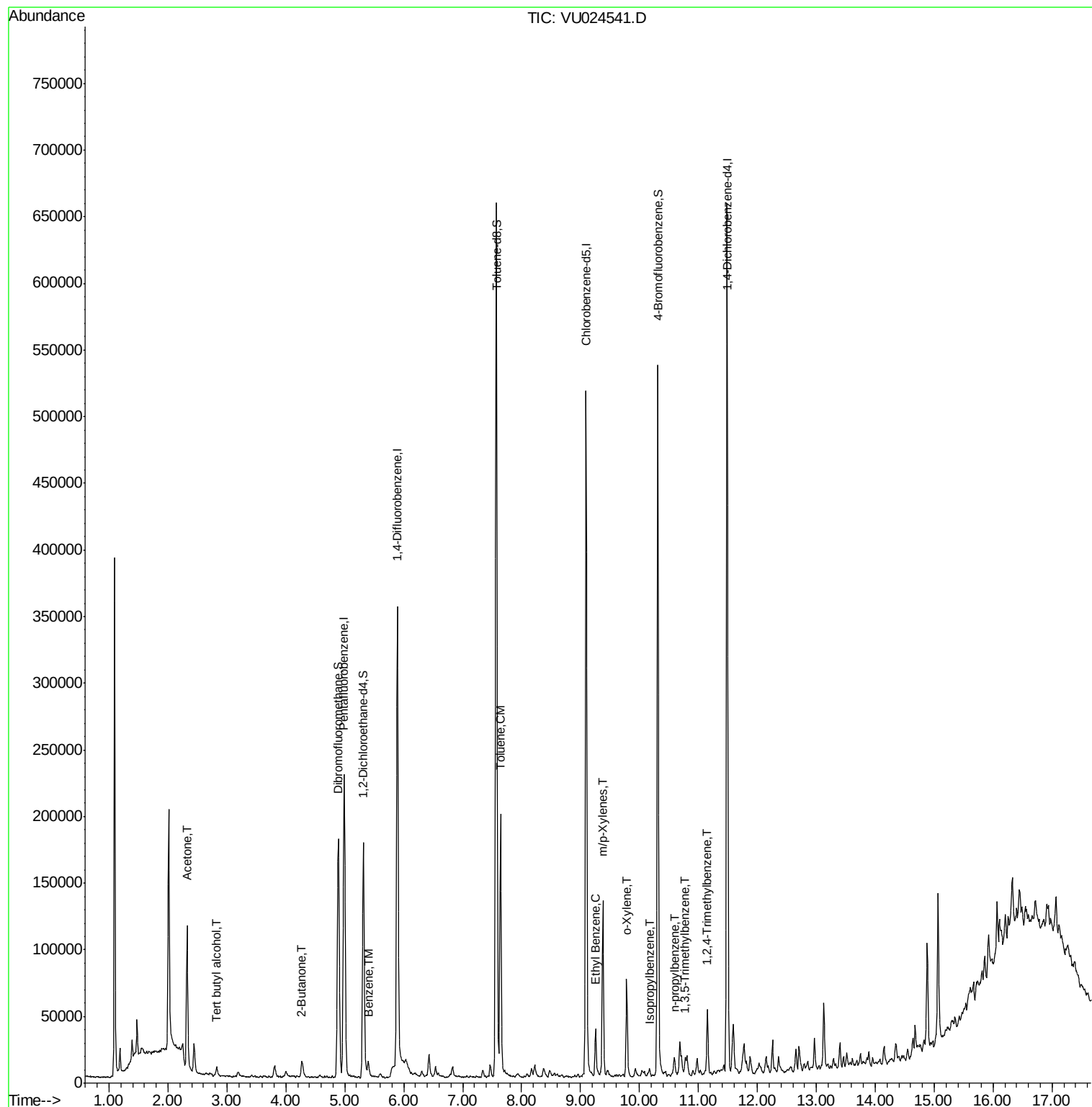
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	7243	10.214	ug/l #	84
16) Acetone	2.32	43	111395	71.105	ug/l	100
25) 2-Butanone	4.27	43	21164	10.057	ug/l #	87
40) Benzene	5.40	78	10438	1.033	ug/l	97
52) Toluene	7.64	92	82245	12.648	ug/l	98
67) Ethyl Benzene	9.26	91	25174	1.941	ug/l	100
68) m/p-Xylenes	9.38	106	37416	7.514	ug/l	98
69) o-Xylene	9.78	106	19167	3.890	ug/l	100
73) Isopropylbenzene	10.17	105	2927	0.220	ug/l	89
78) n-propylbenzene	10.59	91	10966	0.699	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	7224	0.626	ug/l	92
84) 1,2,4-Trimethylbenzene	11.15	105	25406	2.160	ug/l	100

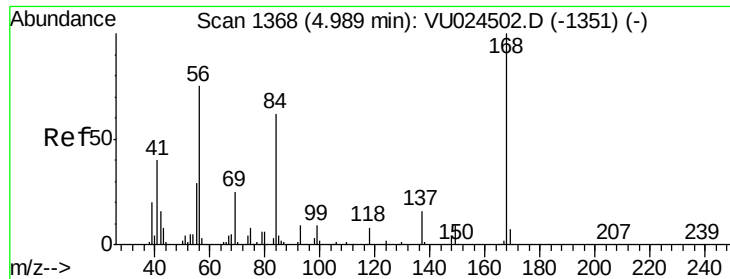
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024541.D

Acq: 14 Jun 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :

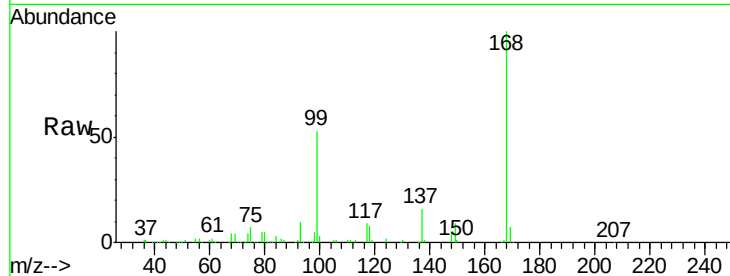
ES-OILY-WATER

Tot Ion:168 Resp: 178605

Ion Ratio Lower Upper

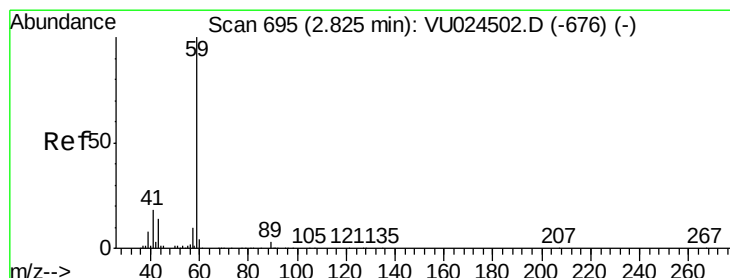
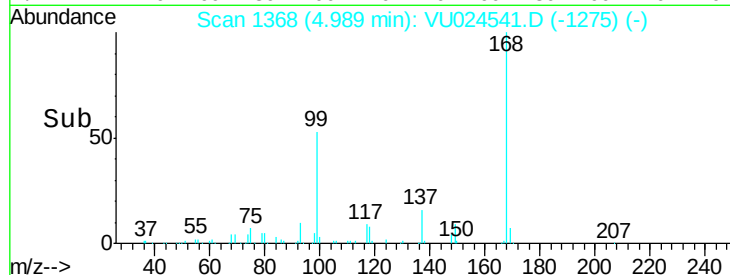
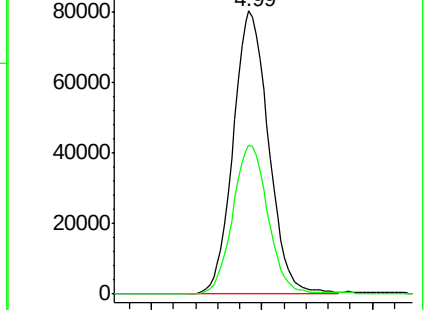
168 100

99 52.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024541.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024541.D (-1275) (-)



#11

Tert butyl alcohol

Concen: 10.214 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU024541.D

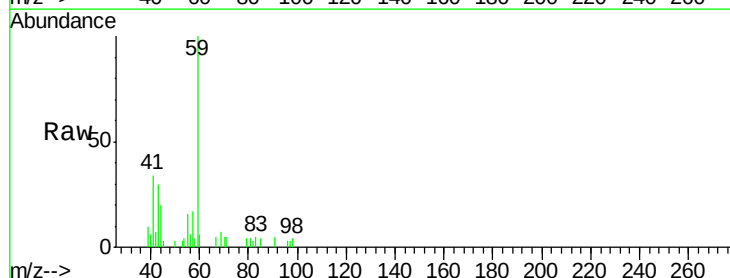
Acq: 14 Jun 2018 15:43

Tgt Ion: 59 Resp: 7243

Ion Ratio Lower Upper

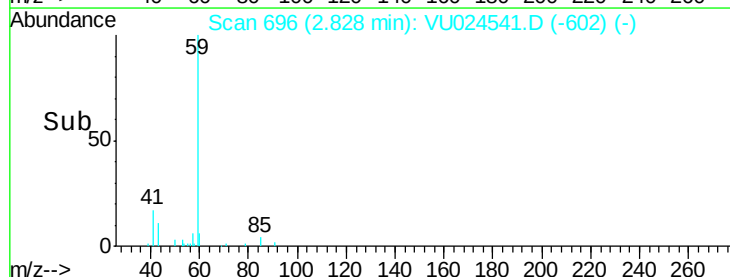
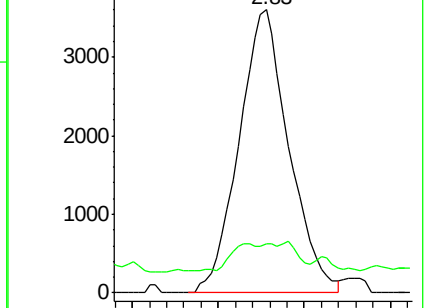
59 100

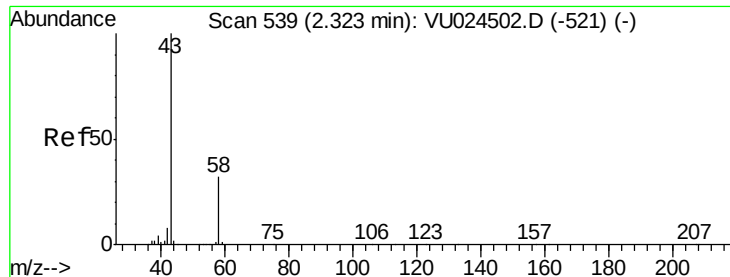
57 4.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU024541.D (-602) (-)

Ion 57.00 (56.70 to 57.70): VU024541.D (-602) (-)





#16

Acetone

Concen: 71.105 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024541.D

Acq: 14 Jun 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :

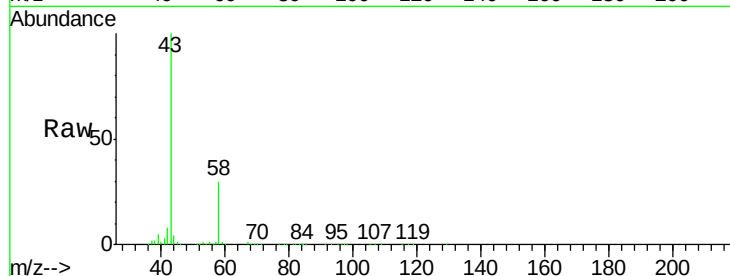
ES-OILY-WATER

Tot Ion: 43 Resp: 111395

Ion Ratio Lower Upper

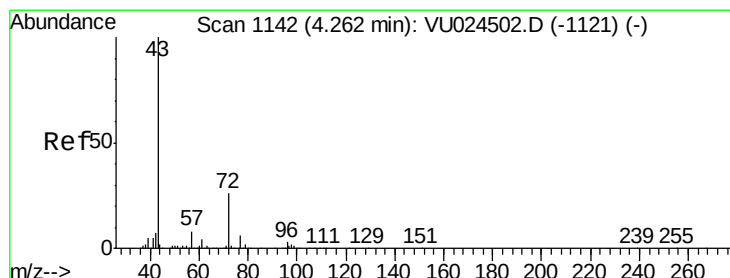
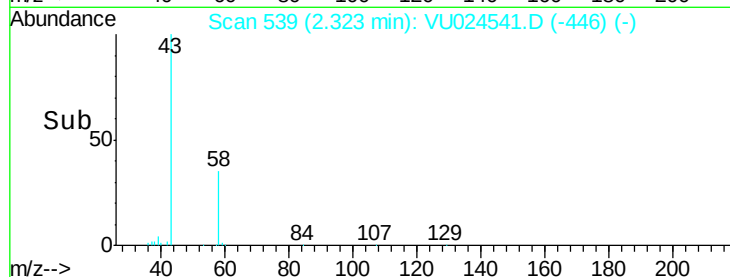
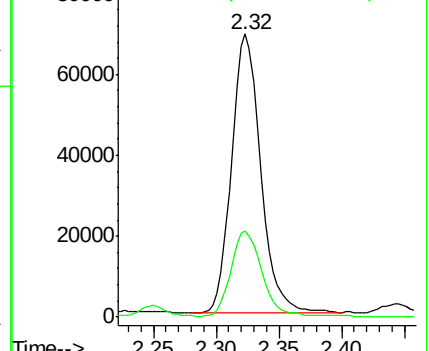
43 100

58 30.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

2-Butanone

Concen: 10.057 ug/l

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU024541.D

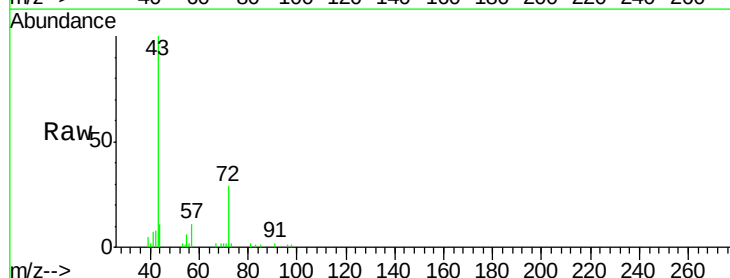
Acq: 14 Jun 2018 15:43

Tgt Ion: 43 Resp: 21164

Ion Ratio Lower Upper

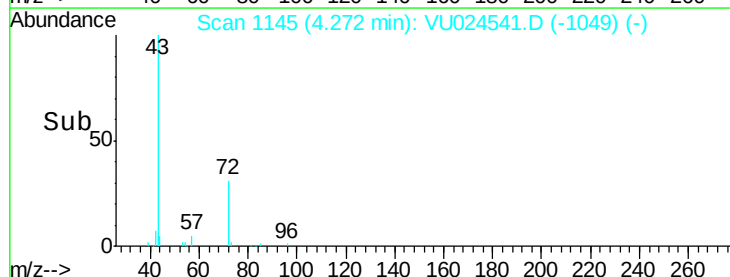
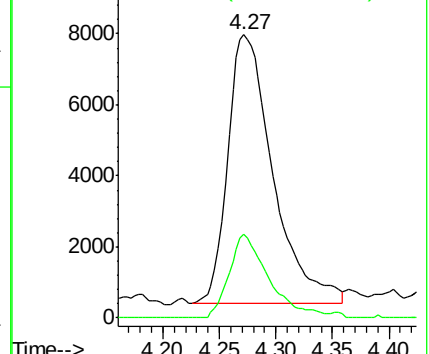
43 100

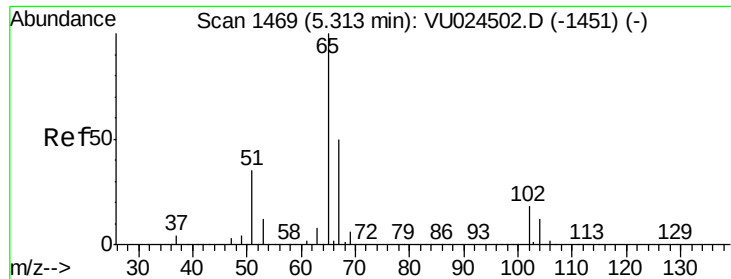
72 30.9 19.6 29.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

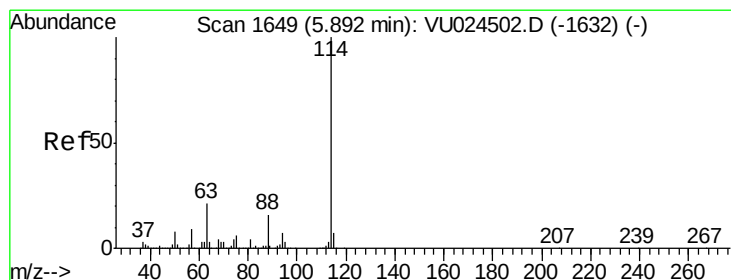
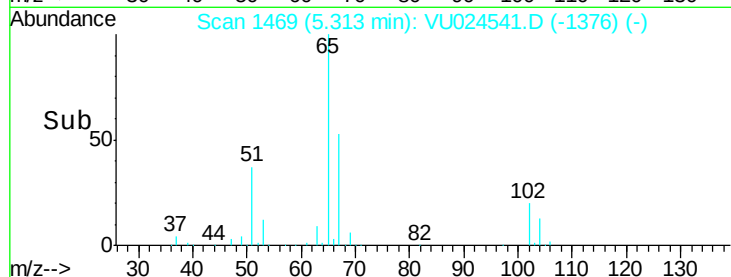
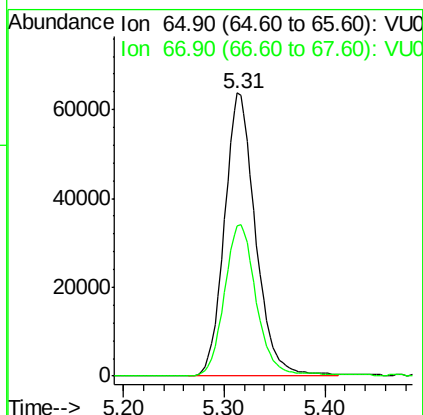
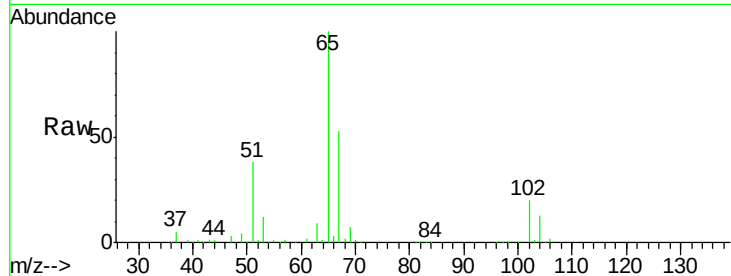




#33
 1,2-Dichloroethane-d4
 Concen: 46.850 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024541.D
 Acq: 14 Jun 2018 15:43

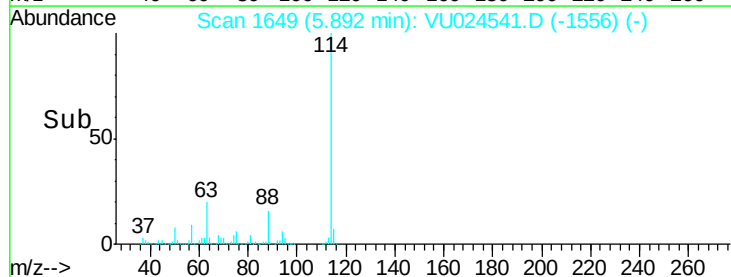
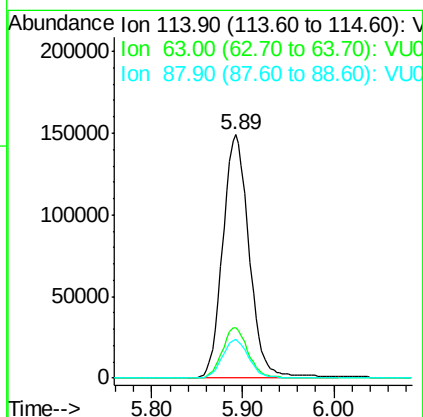
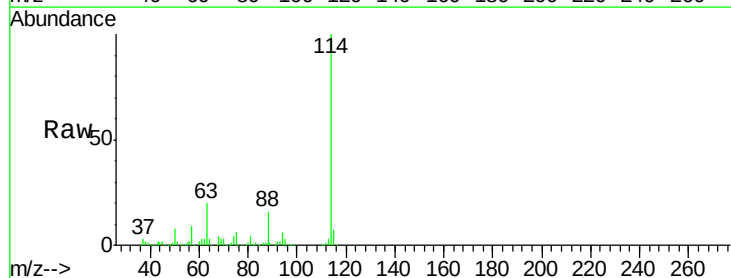
Instrument :
 MSVOA_U
 ClientSampleId :
 ES-OILY-WATER

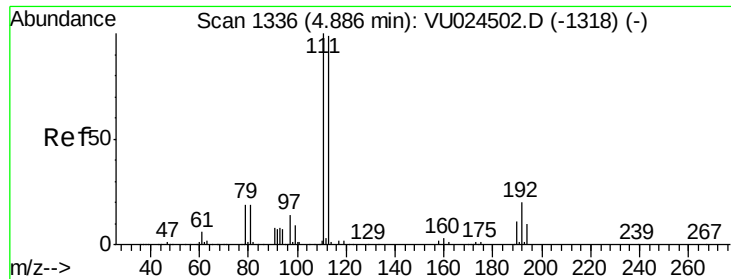
Tot Ion: 65 Resp: 136604
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024541.D
 Acq: 14 Jun 2018 15:43

Tgt Ion: 114 Resp: 301866
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 45.4
 88 15.7 0.0 31.0

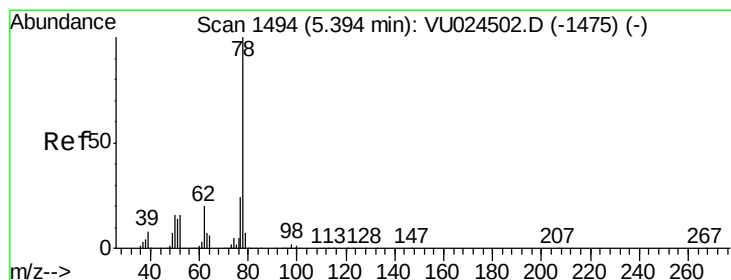
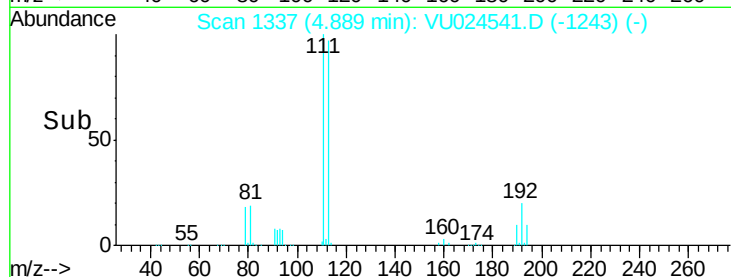
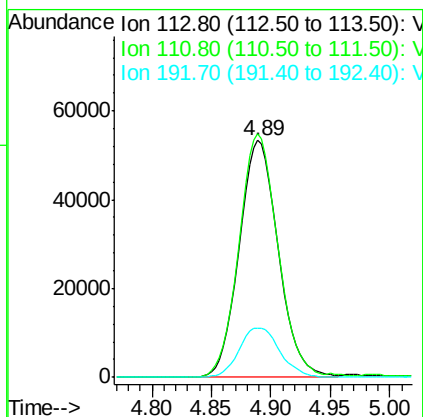
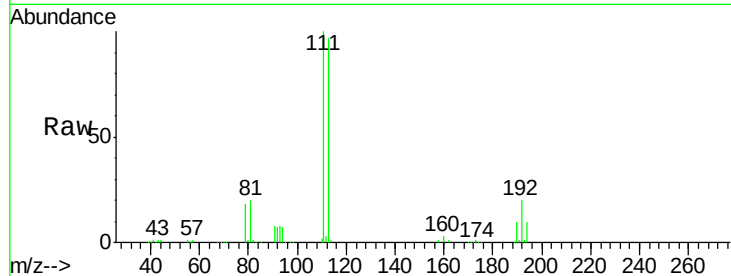




#35
 Dibromofluoromethane
 Concen: 48.511 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024541.D
 Acq: 14 Jun 2018 15:43

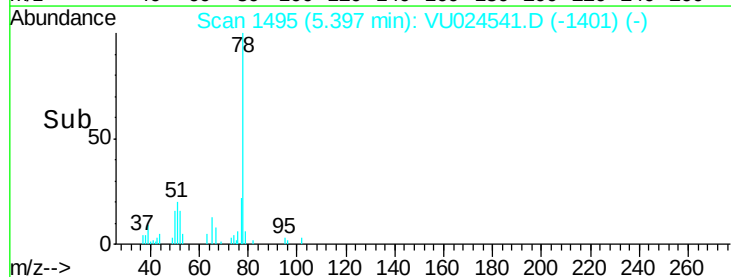
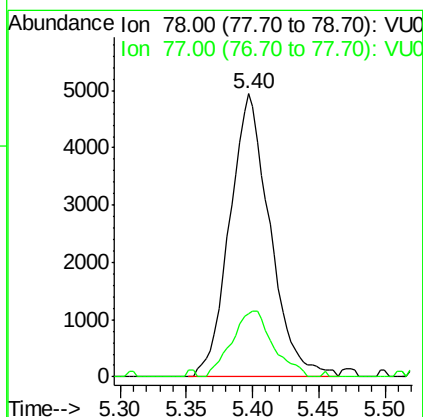
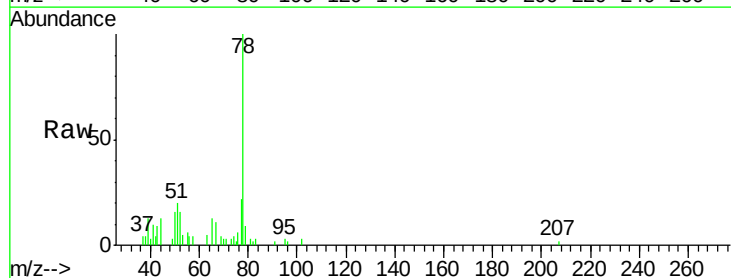
Instrument :
 MSVOA_U
 ClientSampleId :
 ES-OILY-WATER

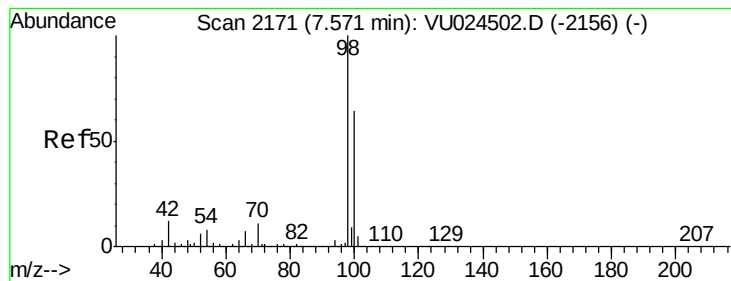
Tot Ion:113 Resp: 121533
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.4
 192 21.9 16.2 24.4



#40
 Benzene
 Concen: 1.033 ug/l
 RT: 5.40 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VU024541.D
 Acq: 14 Jun 2018 15:43

Tgt Ion: 78 Resp: 10438
 Ion Ratio Lower Upper
 78 100
 77 22.3 19.2 28.8





#50

Toluene-d8

Concen: 49.391 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024541.D

Acq: 14 Jun 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :

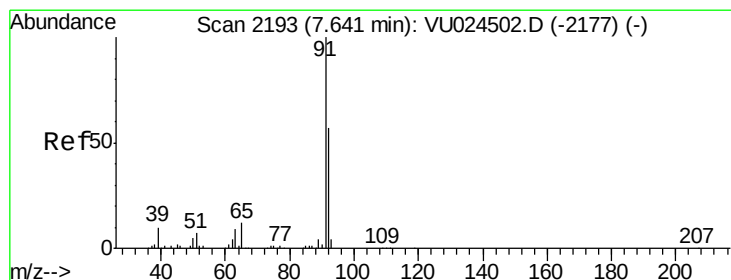
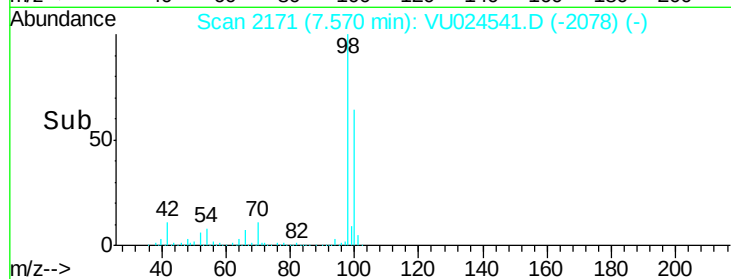
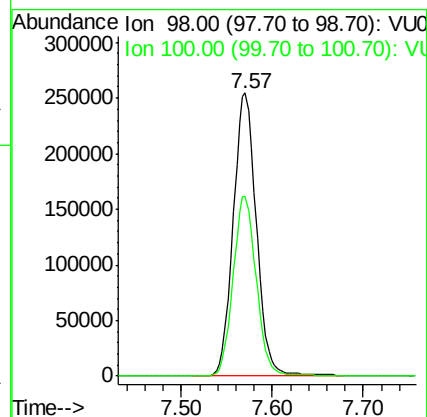
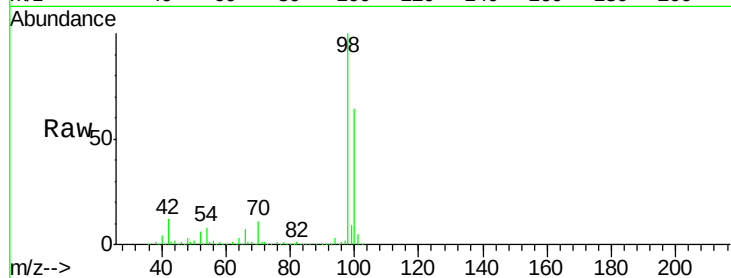
ES-OILY-WATER

Tot Ion: 98 Resp: 451344

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#52

Toluene

Concen: 12.648 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024541.D

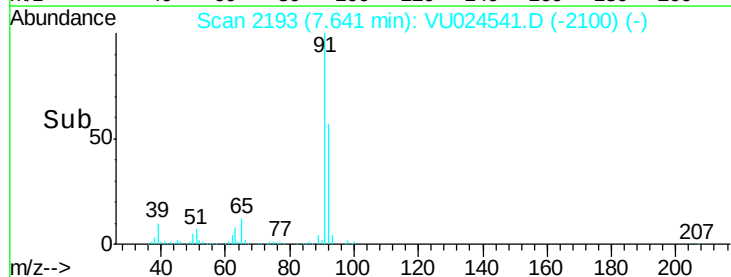
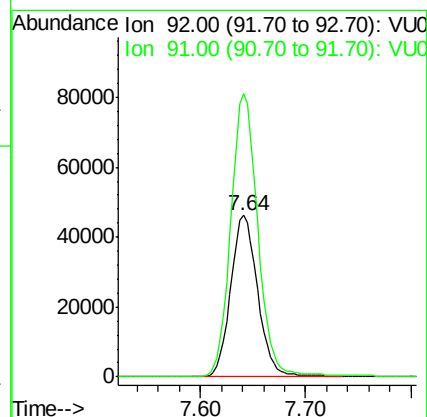
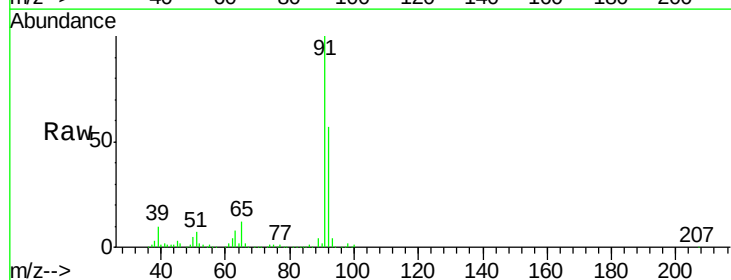
Acq: 14 Jun 2018 15:43

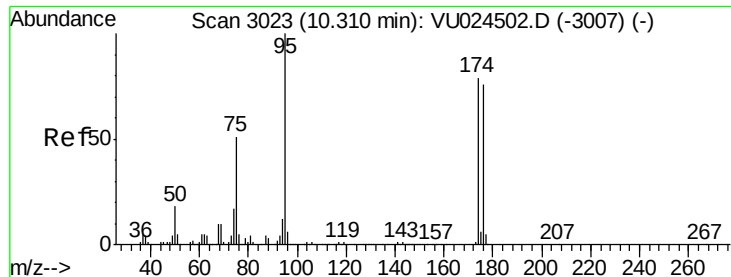
Tgt Ion: 92 Resp: 82245

Ion Ratio Lower Upper

92 100

91 173.1 140.5 210.7





#62

4-Bromofluorobenzene

Concen: 47.377 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024541.D

Acq: 14 Jun 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :

ES-OILY-WATER

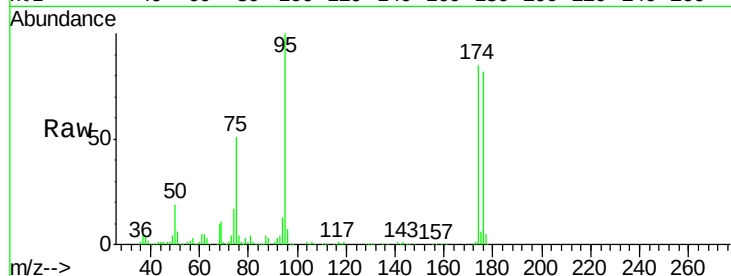
Tot Ion: 95 Resp: 171893

Ion Ratio Lower Upper

95 100

174 84.9 0.0 165.8

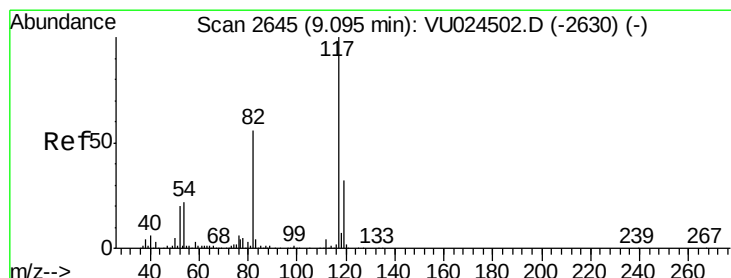
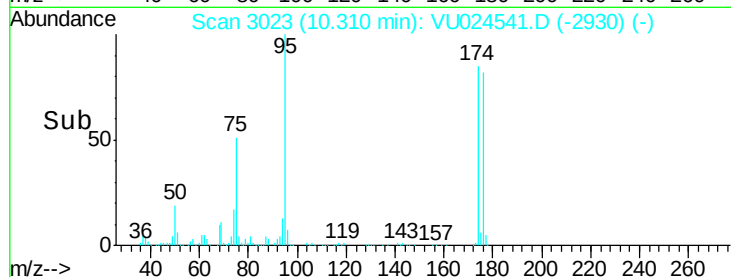
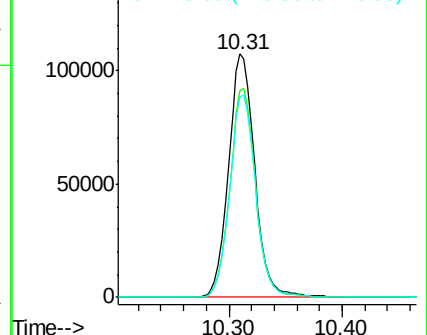
176 82.8 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024541.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024541.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024541.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU024541.D

Acq: 14 Jun 2018 15:43

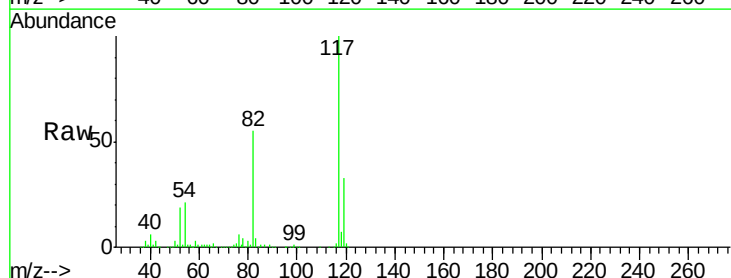
Tgt Ion: 117 Resp: 289536

Ion Ratio Lower Upper

117 100

82 54.7 44.3 66.5

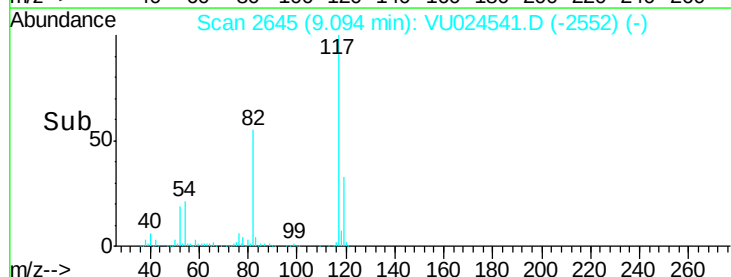
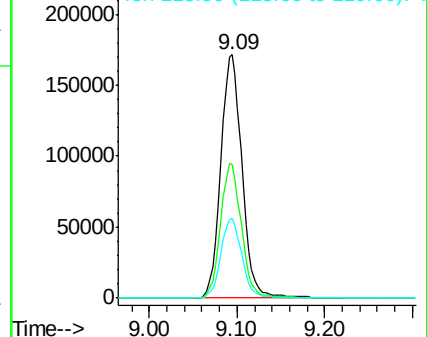
119 32.7 25.4 38.2

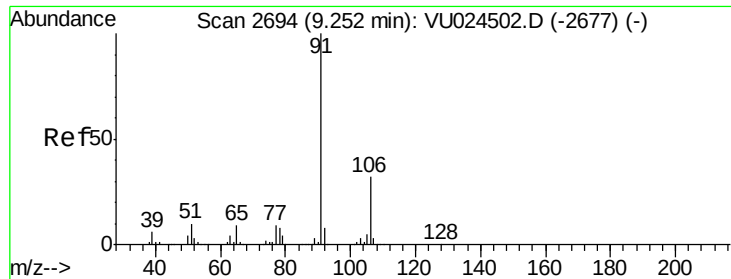


Abundance Ion 116.90 (116.60 to 117.60): VU024541.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024541.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024541.D (-2552) (-)





#67

Ethyl Benzene

Concen: 1.941 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU024541.D

Acq: 14 Jun 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :

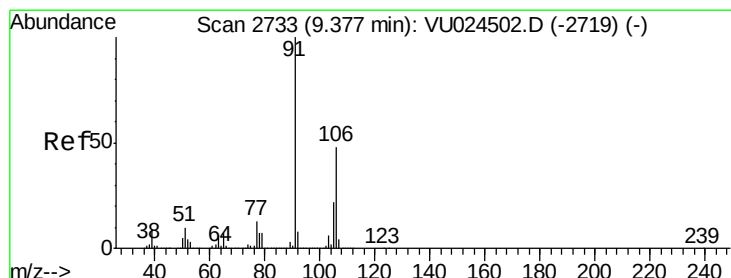
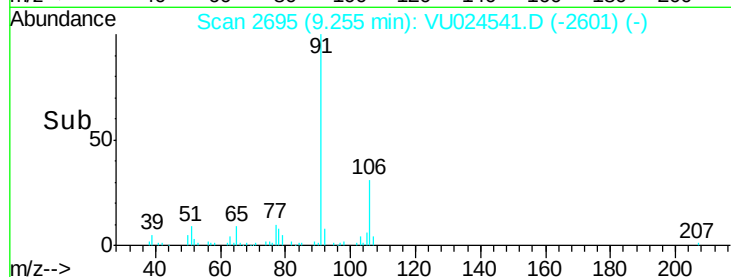
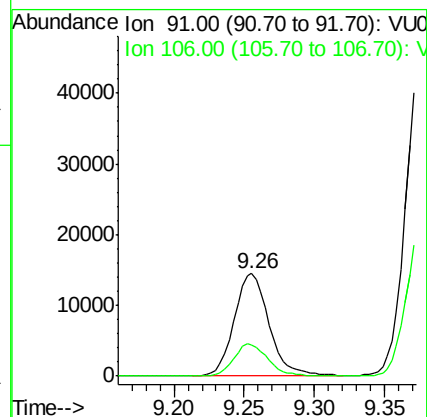
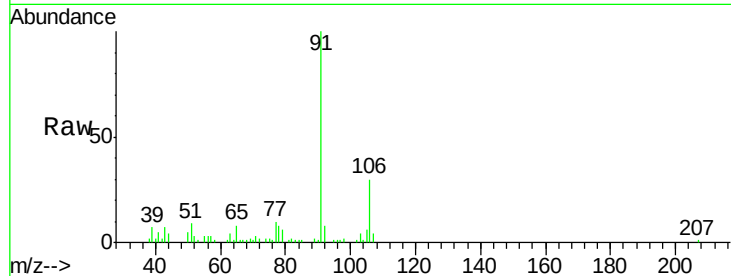
ES-OILY-WATER

Tot Ion: 91 Resp: 25174

Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.4



#68

m/p-Xylenes

Concen: 7.514 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024541.D

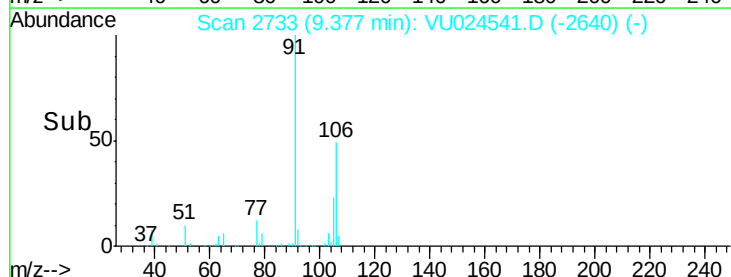
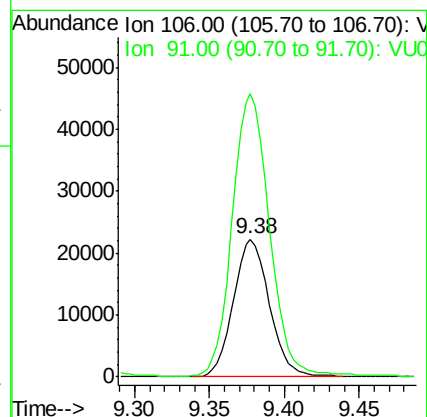
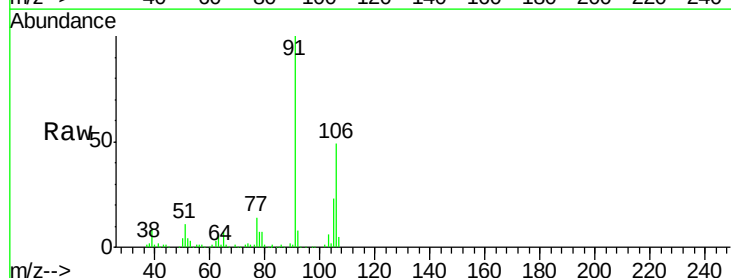
Acq: 14 Jun 2018 15:43

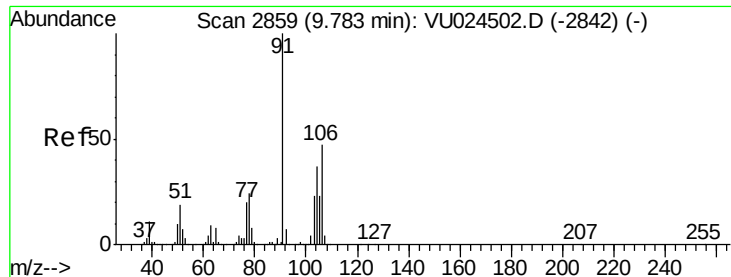
Tgt Ion: 106 Resp: 37416

Ion Ratio Lower Upper

106 100

91 211.3 166.5 249.7

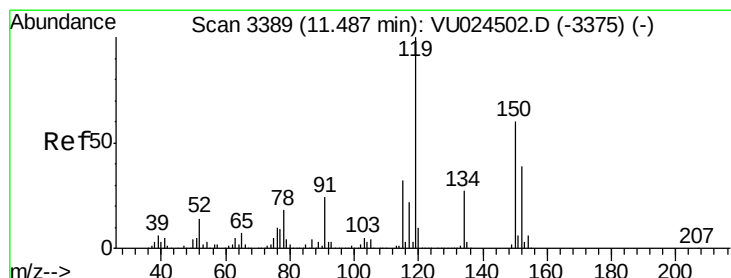
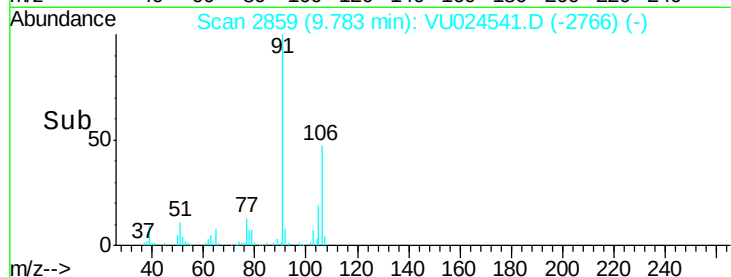
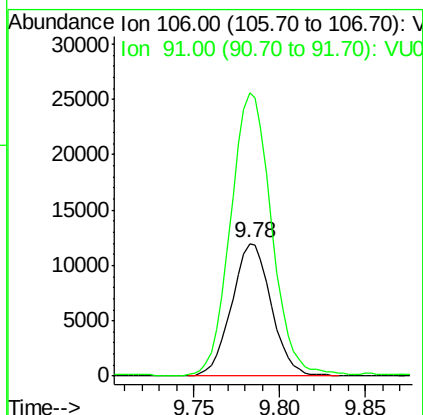
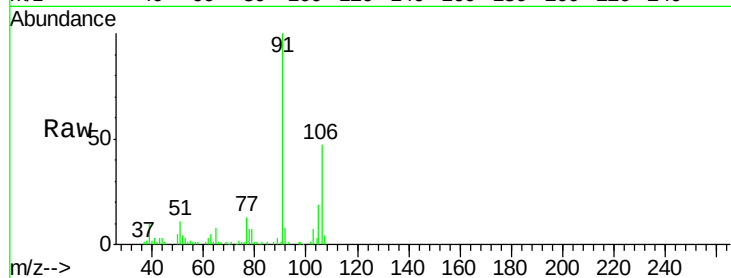




#69
o-Xylene
Concen: 3.890 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024541.D
Acq: 14 Jun 2018 15:43

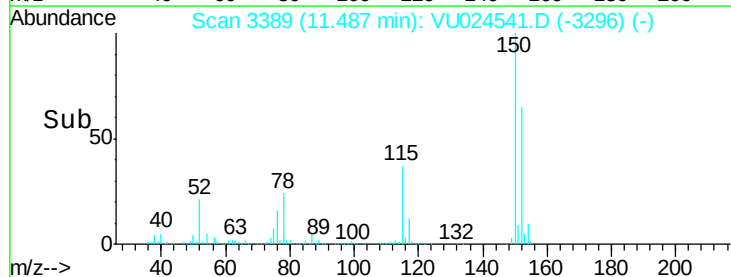
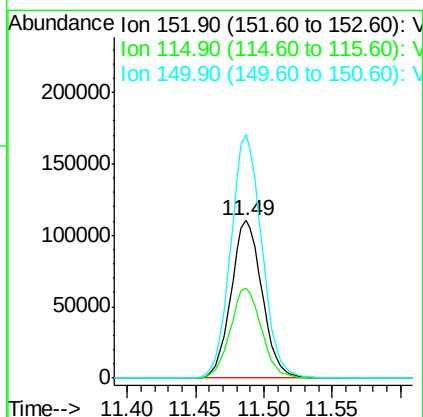
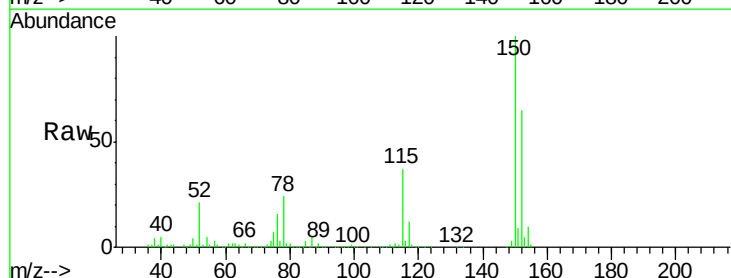
Instrument :
MSVOA_U
ClientSampleId :
ES-OILY-WATER

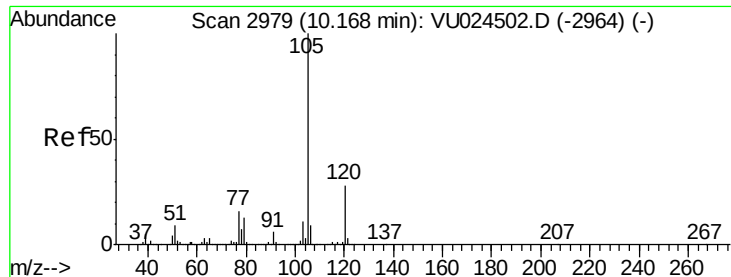
Tot Ion:106 Resp: 19167
Ion Ratio Lower Upper
106 100
91 221.7 110.7 331.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024541.D
Acq: 14 Jun 2018 15:43

Tgt Ion:152 Resp: 173414
Ion Ratio Lower Upper
152 100
115 57.5 43.0 129.0
150 155.4 0.0 354.0





#73

Isopropylbenzene

Concen: 0.220 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024541.D

Acq: 14 Jun 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :

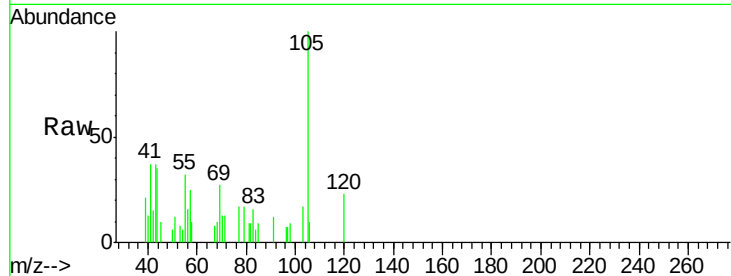
ES-OILY-WATER

Tot Ion:105 Resp: 2927

Ion Ratio Lower Upper

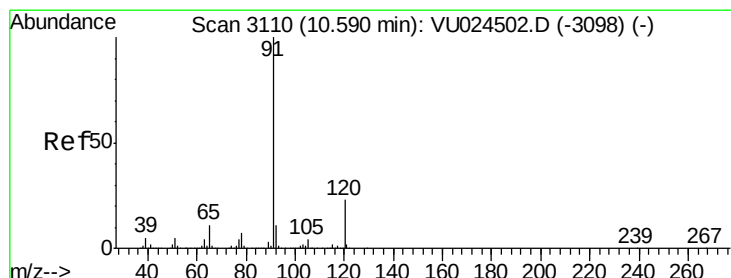
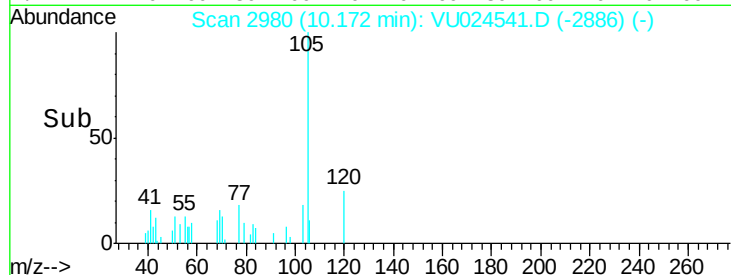
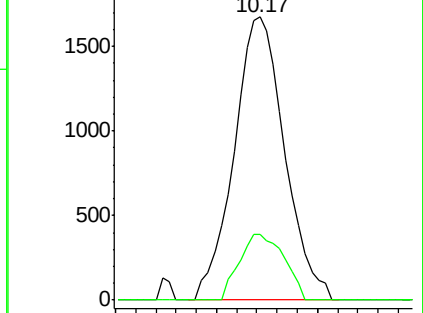
105 100

120 20.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.699 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU024541.D

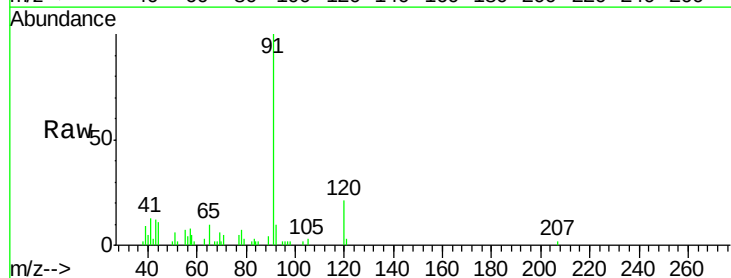
Acq: 14 Jun 2018 15:43

Tgt Ion: 91 Resp: 10966

Ion Ratio Lower Upper

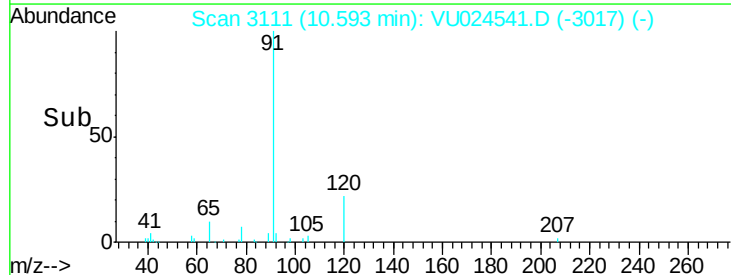
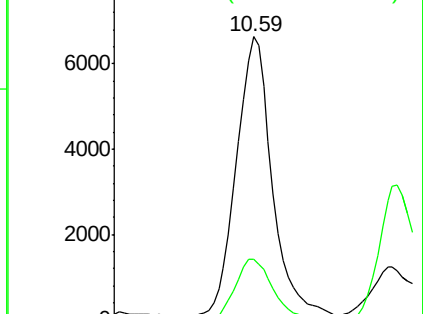
91 100

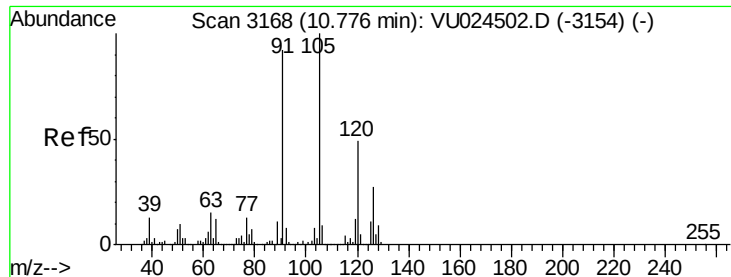
120 21.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

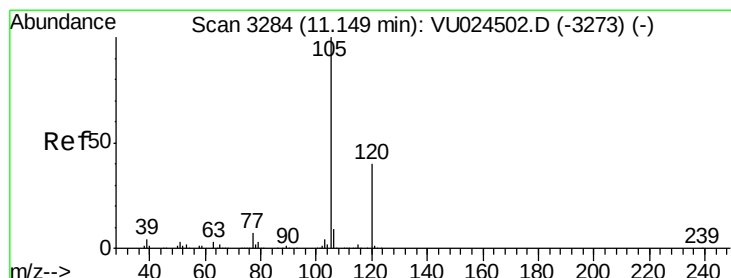
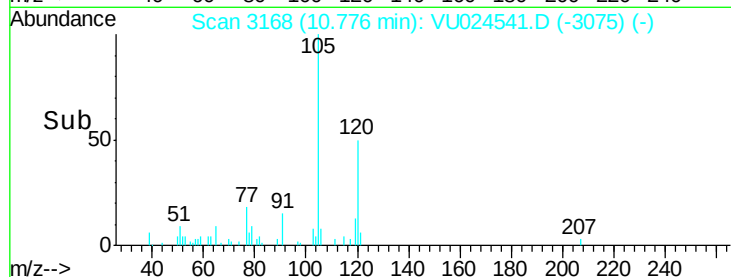
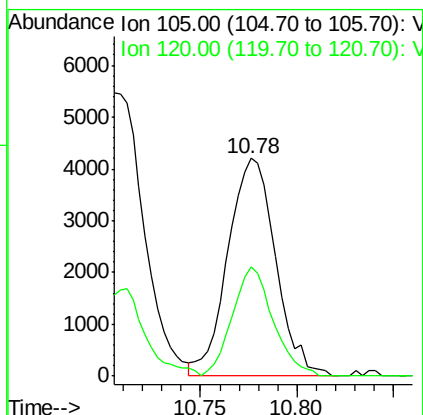
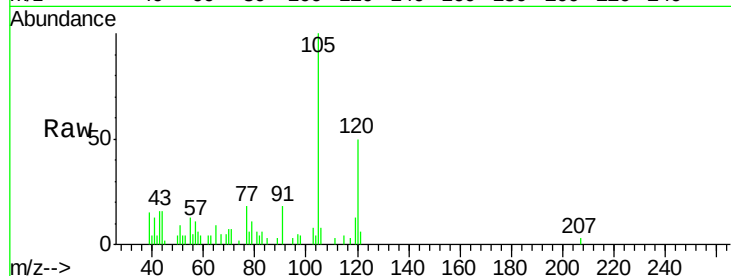




#80
 1,3,5-Trimethylbenzene
 Concen: 0.626 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024541.D
 Acq: 14 Jun 2018 15:43

Instrument :
 MSVOA_U
 ClientSampleId :
 ES-OILY-WATER

Tot Ion:105 Resp: 7224
 Ion Ratio Lower Upper
 105 100
 120 42.6 24.1 72.2



#84
 1,2,4-Trimethylbenzene
 Concen: 2.160 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024541.D
 Acq: 14 Jun 2018 15:43

Tgt Ion:105 Resp: 25406
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.6 67.8

