

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025346.D
 Acq On : 12 Jul 2018 17:56
 Operator : MD/SY
 Sample : J3928-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GROUNDWATER

Quant Time: Jul 13 08:23:41 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

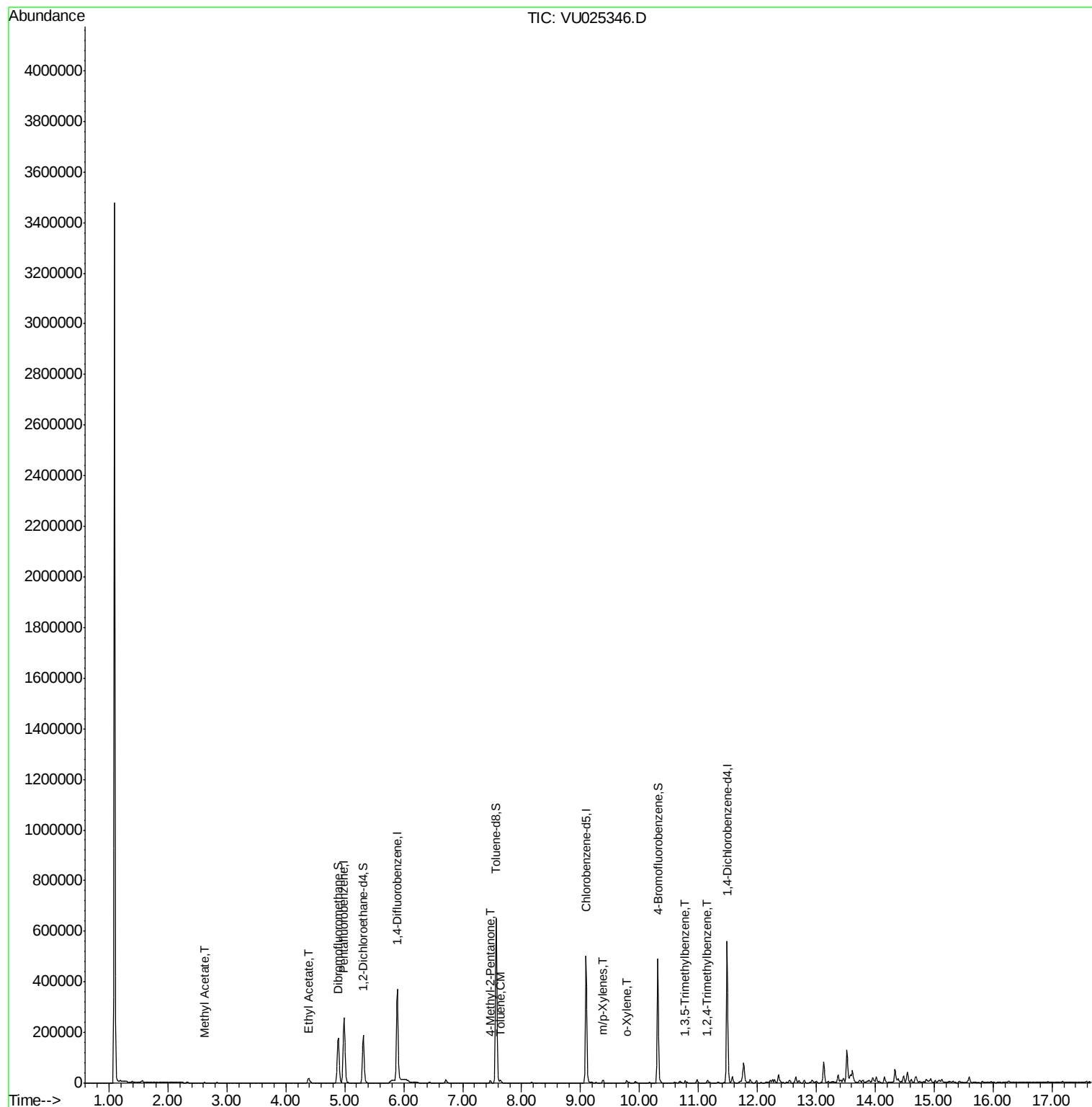
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	200039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	301481	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	279603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148035	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	151949	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	4.89	113	119300	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
50) Toluene-d8	7.57	98	435664	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	10.31	95	159497	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
Target Compounds						
					Qvalue	
18) Methyl Acetate	2.62	43	2951	0.927	ug/l #	90
37) Ethyl Acetate	4.39	43	29955	8.014	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	7307	1.878	ug/l	88
52) Toluene	7.64	92	3552	0.578	ug/l	94
68) m/p-Xylenes	9.38	106	3326	0.722	ug/l	89
69) o-Xylene	9.78	106	2422	0.525	ug/l	85
80) 1,3,5-Trimethylbenzene	10.77	105	5177	0.544	ug/l	98
84) 1,2,4-Trimethylbenzene	11.16	105	5823	0.597	ug/l	96

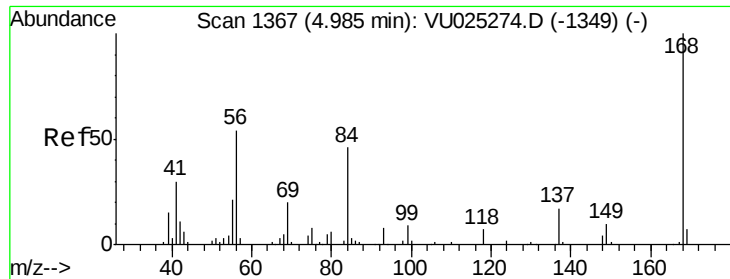
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 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: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

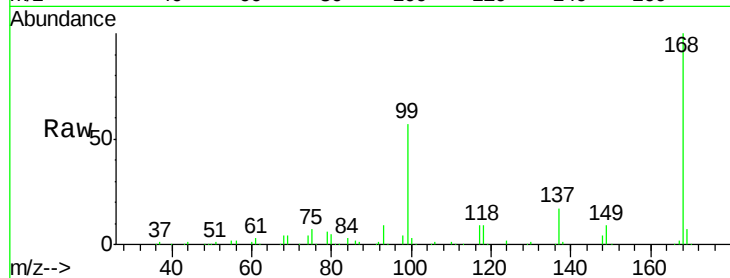
GROUNDWATER

Tot Ion:168 Resp: 200039

Ion Ratio Lower Upper

168 100

99 56.7 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

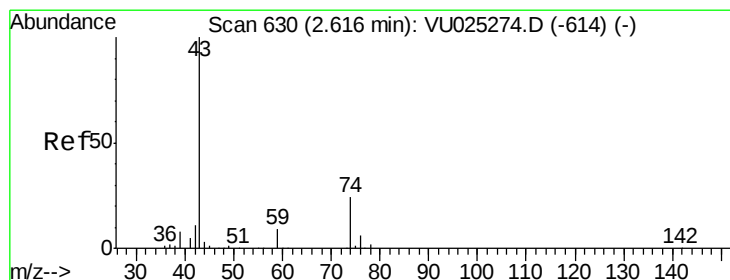
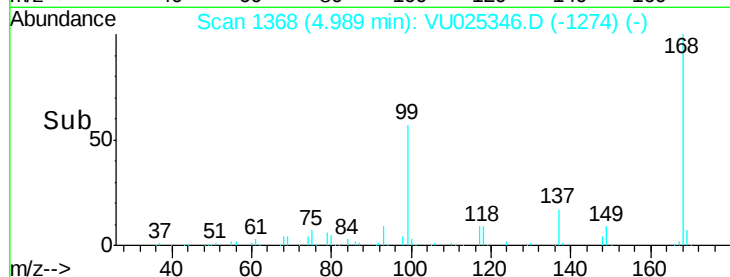
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 0.927 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025346.D

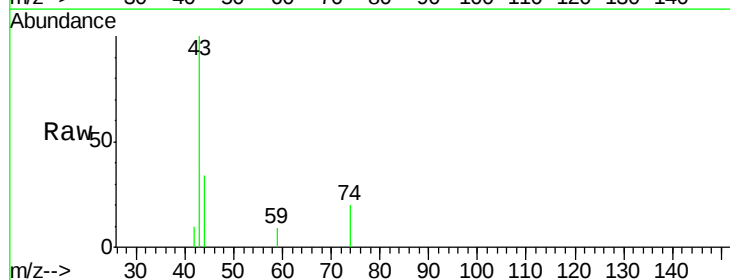
Acq: 12 Jul 2018 17:56

Tgt Ion: 43 Resp: 2951

Ion Ratio Lower Upper

43 100

74 18.2 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU025274.D (-614) (-)

Ion 74.00 (73.70 to 74.70): VU025274.D (-614) (-)

2.62

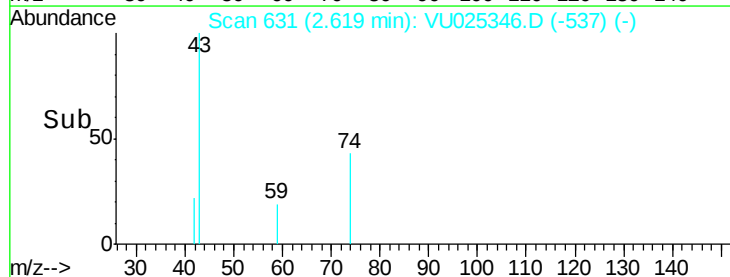
1500

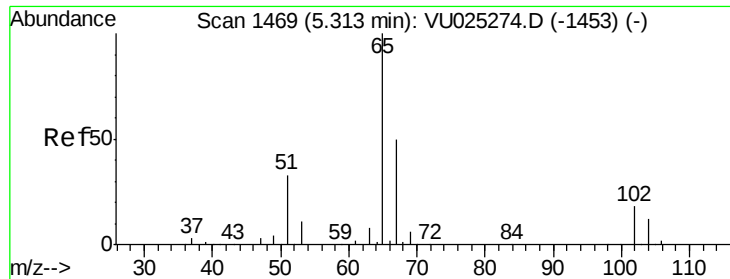
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.892 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

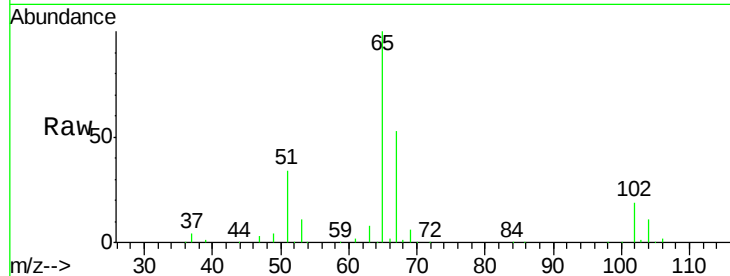
GROUNDWATER

Tot Ion: 65 Resp: 151949

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025274.D (-1453) (-)

Ion 66.90 (66.60 to 67.60): VU025274.D (-1453) (-)

5.31

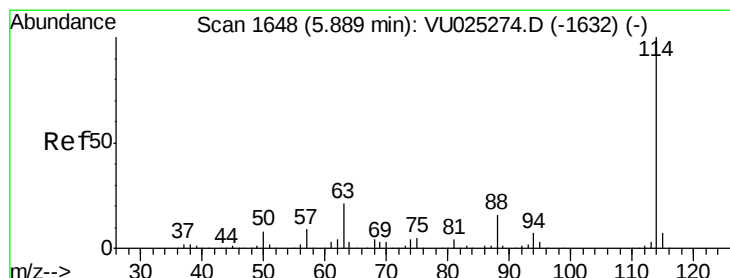
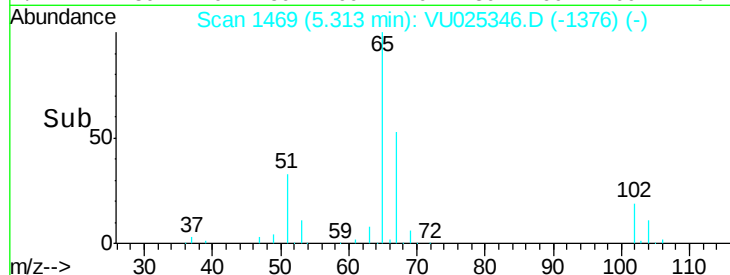
60000

40000

20000

0

Time--> 5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

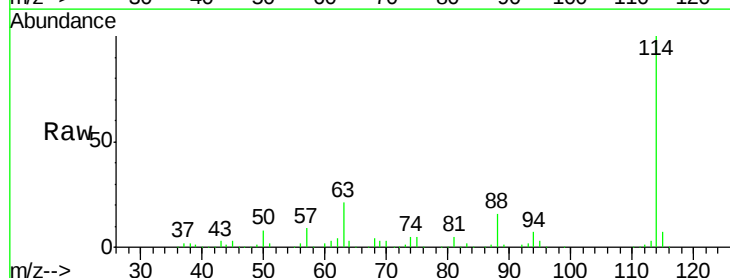
Tgt Ion: 114 Resp: 301481

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

88 16.1 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU025274.D (-1632) (-)

Ion 63.00 (62.70 to 63.70): VU025274.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU025274.D (-1632) (-)

5.89

200000

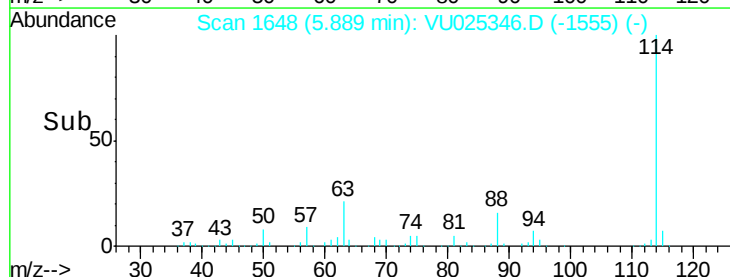
150000

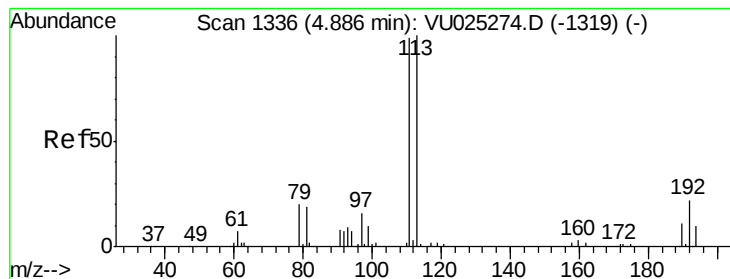
100000

50000

0

Time--> 5.80 5.85 5.90 5.95





#35

Dibromofluoromethane

Concen: 46.908 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

GROUNDWATER

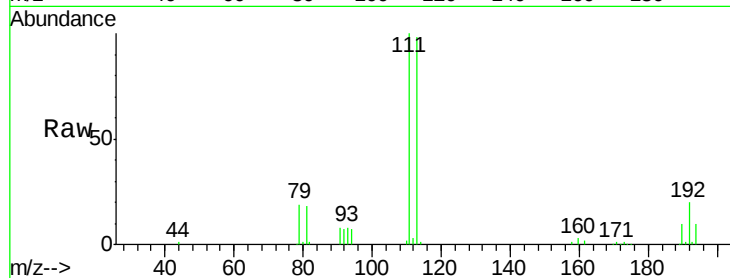
Tot Ion:113 Resp: 119300

Ion Ratio Lower Upper

113 100

111 103.2 81.7 122.5

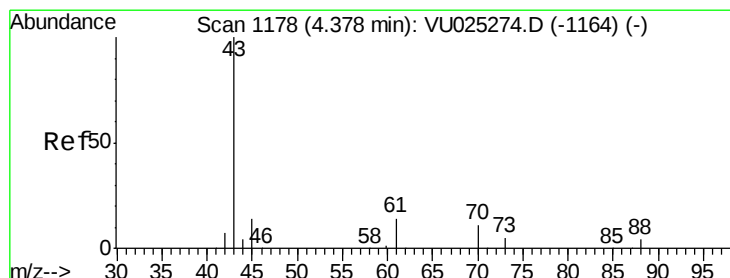
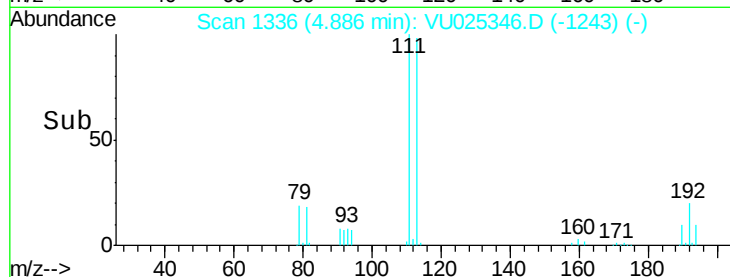
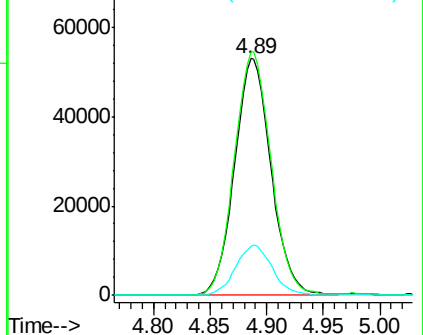
192 21.3 17.1 25.7



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



#37

Ethyl Acetate

Concen: 8.014 ug/l

RT: 4.39 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

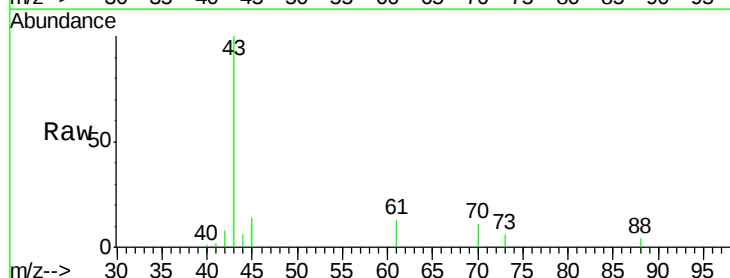
Tgt Ion: 43 Resp: 29955

Ion Ratio Lower Upper

43 100

61 13.3 10.7 16.1

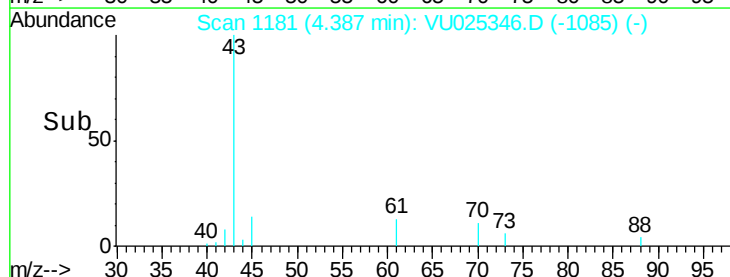
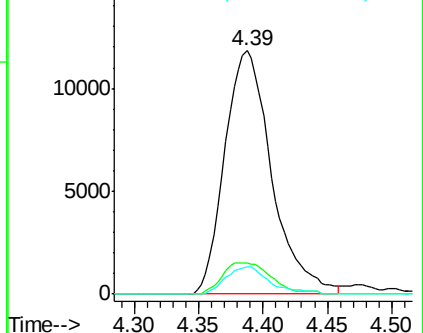
70 10.4 8.4 12.6

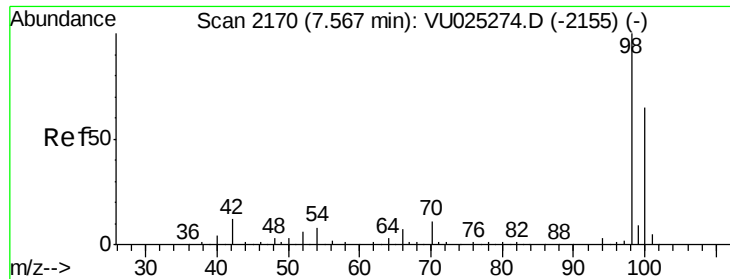


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0





#50

Toluene-d8

Concen: 50.024 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

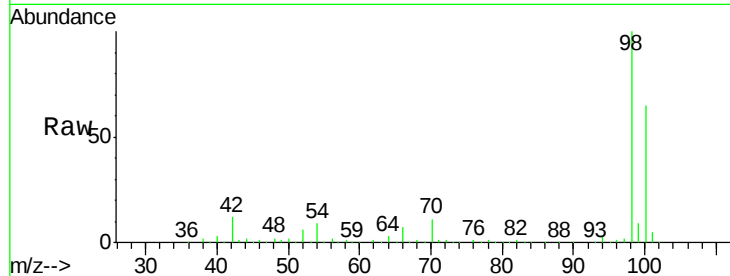
GROUNDWATER

Tot Ion: 98 Resp: 435664

Ion Ratio Lower Upper

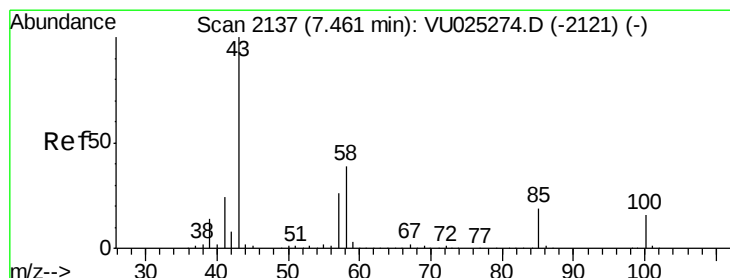
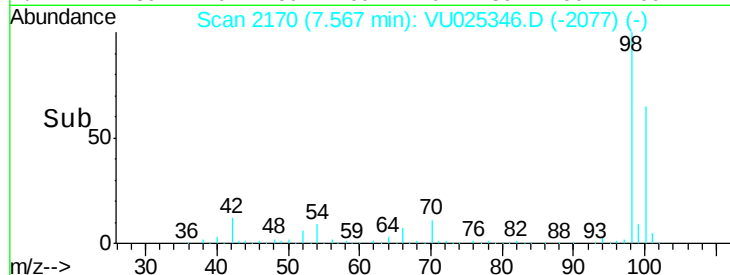
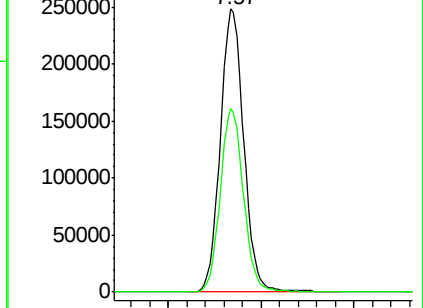
98 100

100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU



#51

4-Methyl-2-Pentanone

Concen: 1.878 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025346.D

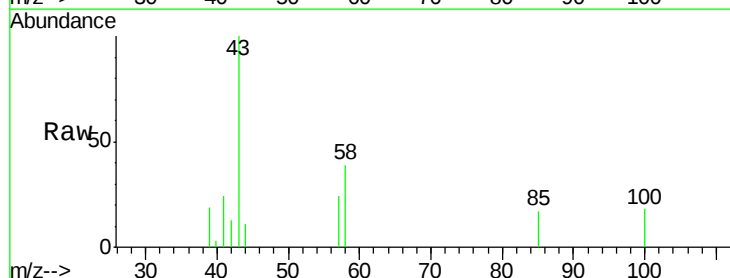
Acq: 12 Jul 2018 17:56

Tgt Ion: 43 Resp: 7307

Ion Ratio Lower Upper

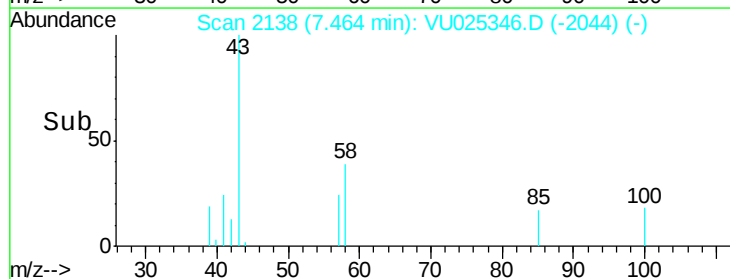
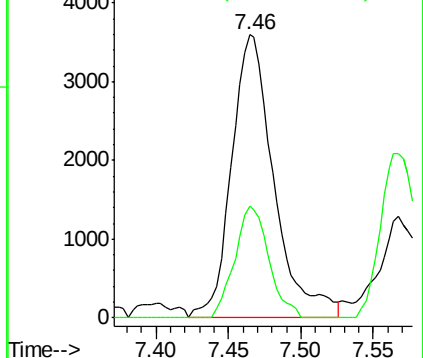
43 100

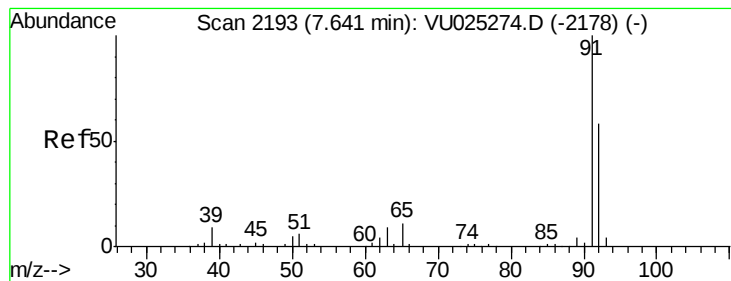
58 31.6 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#52

Toluene

Concen: 0.578 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

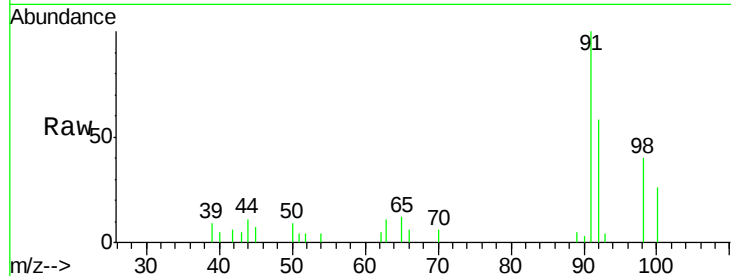
GROUNDWATER

Tot Ion: 92 Resp: 3552

Ion Ratio Lower Upper

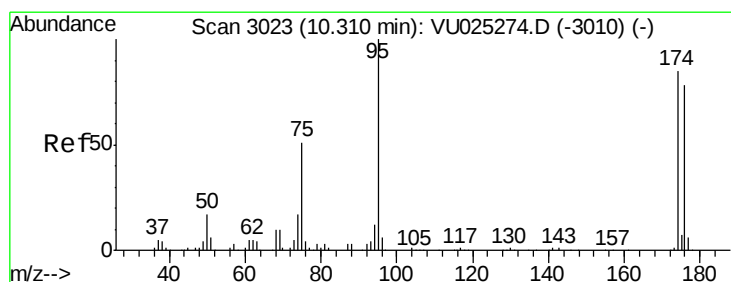
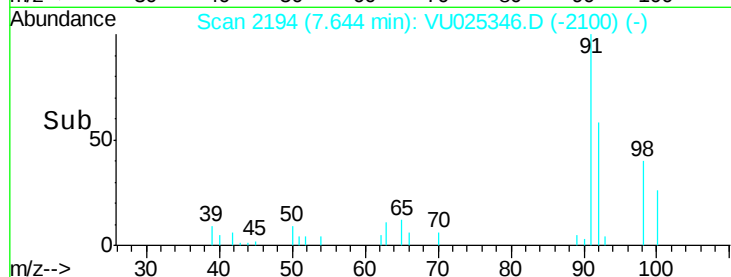
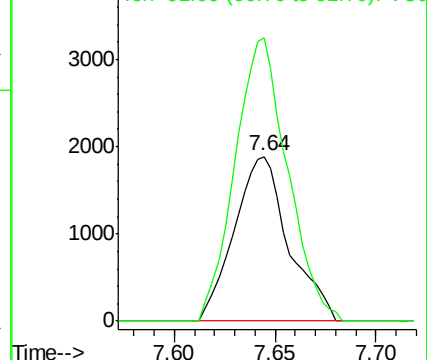
92 100

91 165.9 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 45.489 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

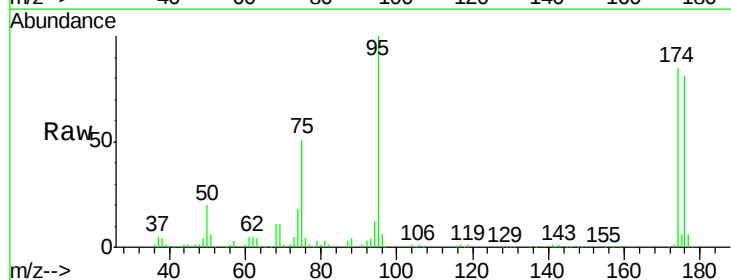
Tgt Ion: 95 Resp: 159497

Ion Ratio Lower Upper

95 100

174 85.1 0.0 172.2

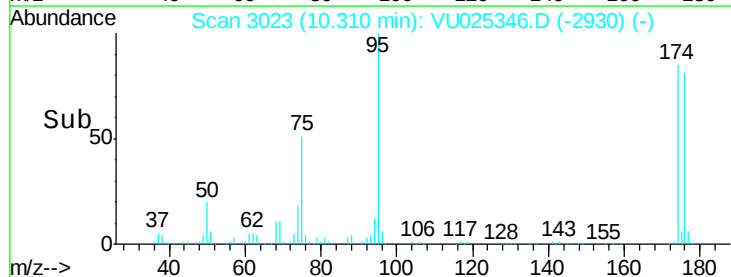
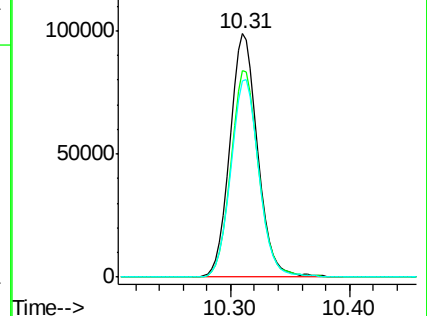
176 82.0 0.0 162.6

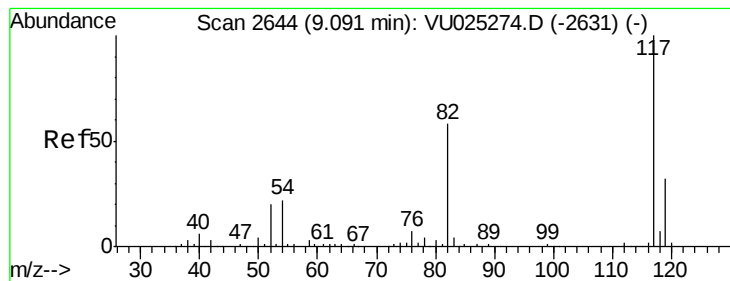


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

GROUNDWATER

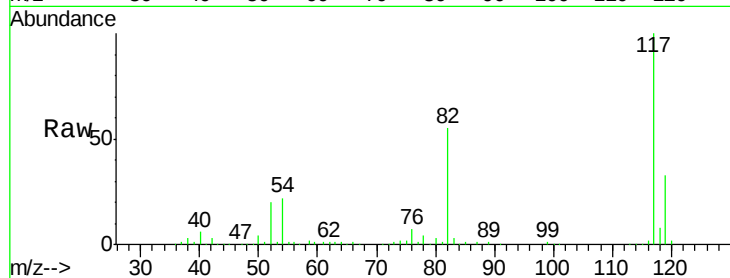
Tot Ion:117 Resp: 279603

Ion Ratio Lower Upper

117 100

82 55.4 46.0 69.0

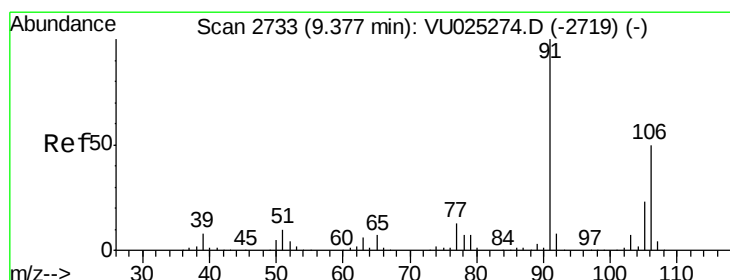
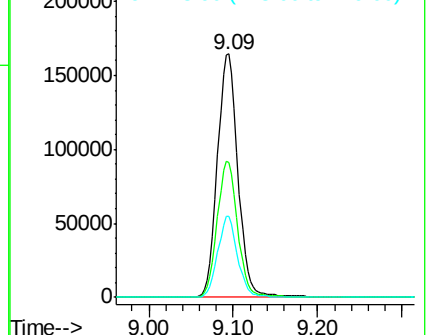
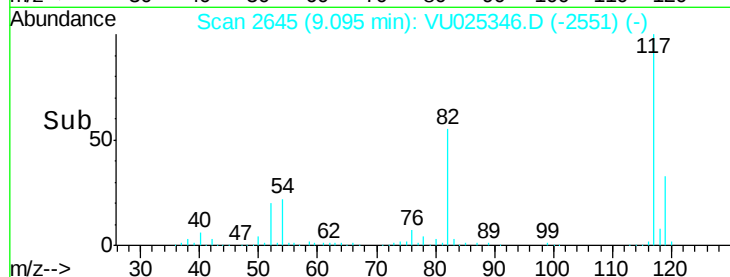
119 33.3 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 0.722 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025346.D

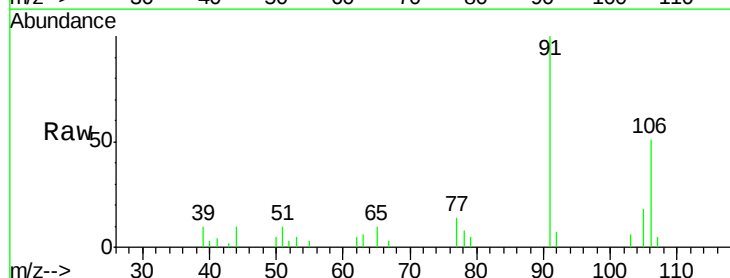
Acq: 12 Jul 2018 17:56

Tgt Ion:106 Resp: 3326

Ion Ratio Lower Upper

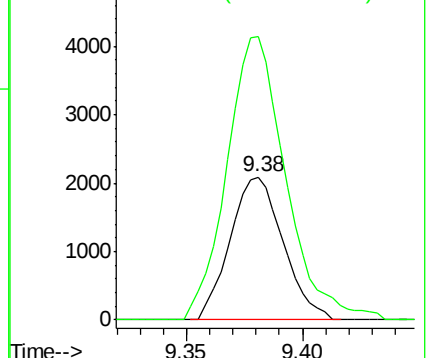
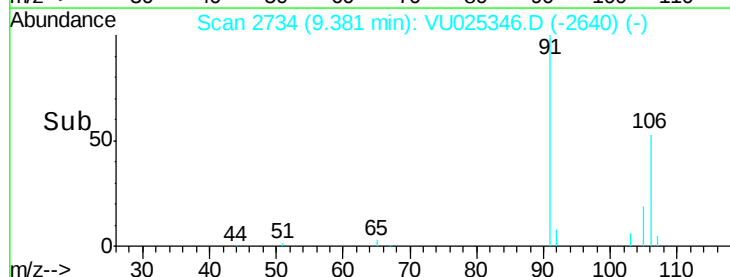
106 100

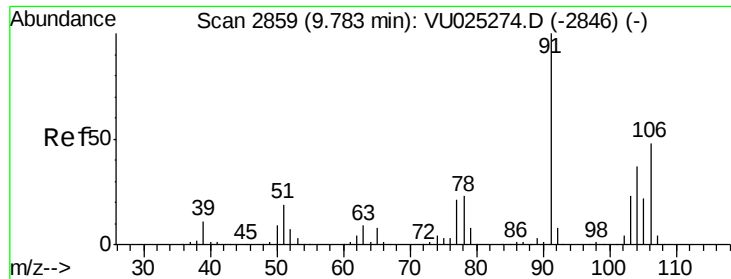
91 219.3 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

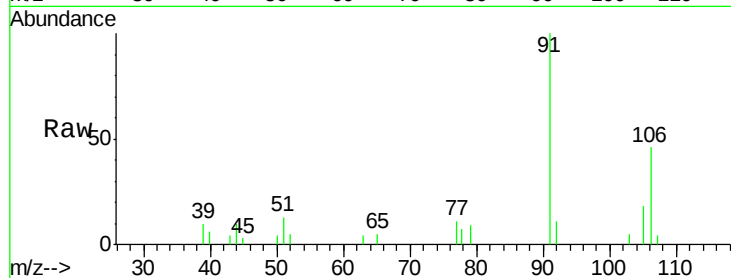




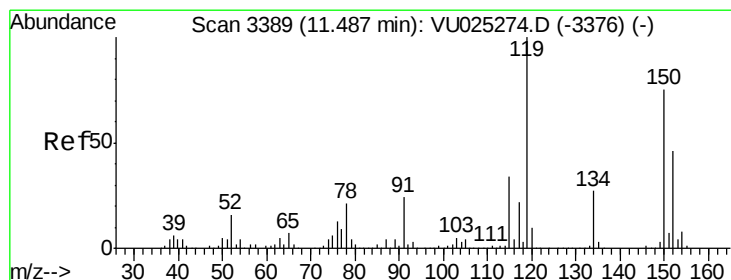
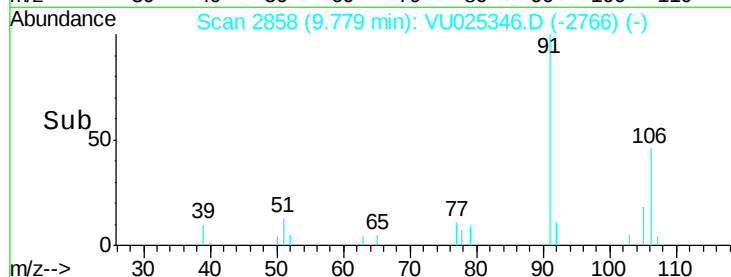
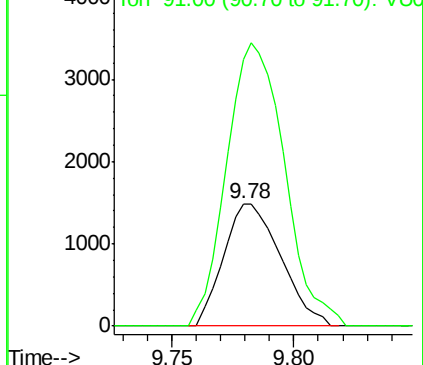
#69
o-Xylene
Concen: 0.525 ug/l
RT: 9.78 min Scan# 2858
Delta R.T. -0.00 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

Instrument :
MSVOA_U
ClientSampleId :
GROUNDWATER

Tot Ion:106 Resp: 2422
Ion Ratio Lower Upper
106 100
91 233.7 105.3 315.8

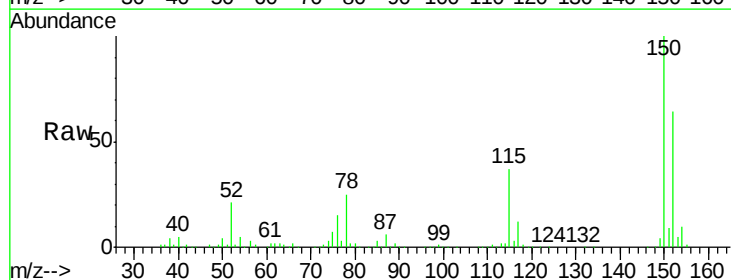


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

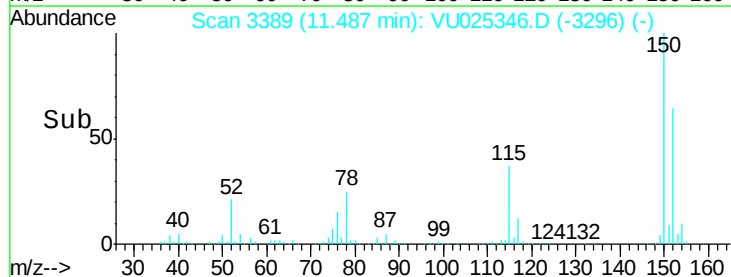
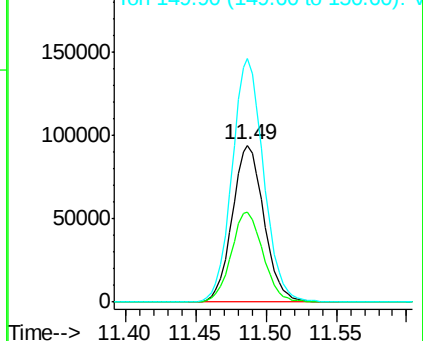


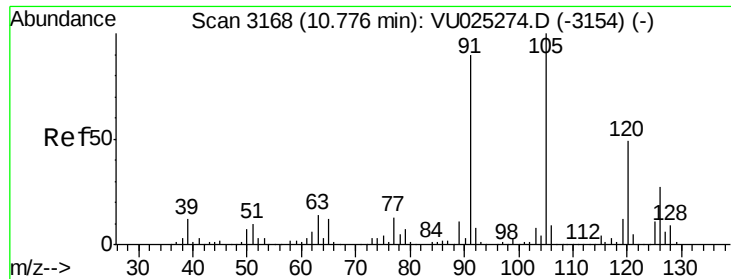
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

Tgt Ion:152 Resp: 148035
Ion Ratio Lower Upper
152 100
115 57.7 40.1 120.3
150 154.9 0.0 351.4



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

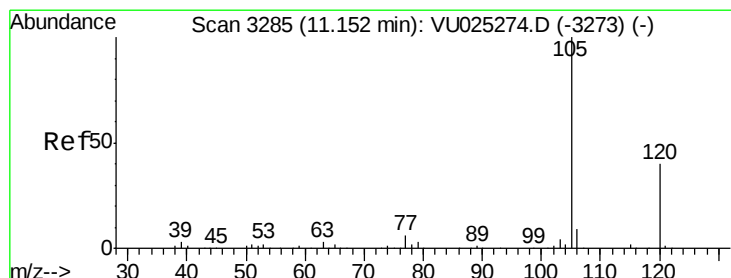
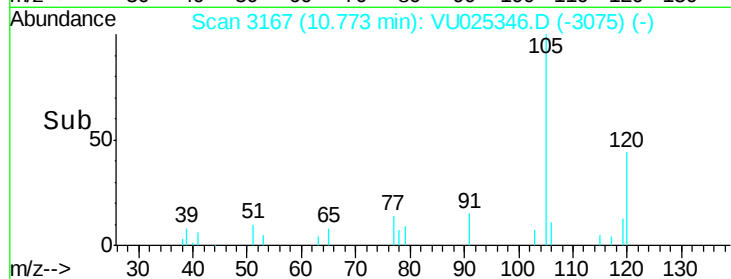
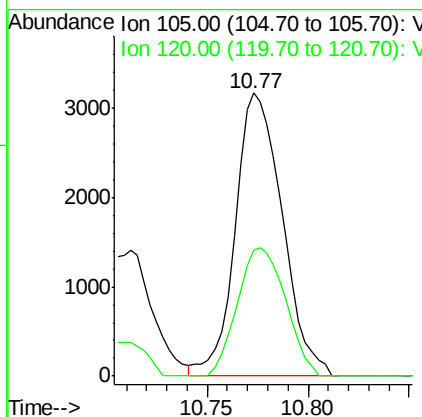
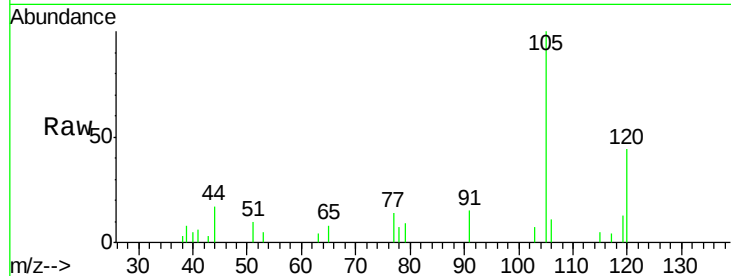




#80
 1,3,5-Trimethylbenzene
 Concen: 0.544 ug/l
 RT: 10.77 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: VU025346.D
 Acq: 12 Jul 2018 17:56

Instrument :
 MSVOA_U
 ClientSampleId :
 GROUNDWATER

Tot Ion:105 Resp: 5177
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.1 72.2



#84
 1,2,4-Trimethylbenzene
 Concen: 0.597 ug/l
 RT: 11.16 min Scan# 3286
 Delta R.T. 0.00 min
 Lab File: VU025346.D
 Acq: 12 Jul 2018 17:56

Tgt Ion:105 Resp: 5823
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.3 66.8

