

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028644.D
 Acq On : 12 Dec 2018 11:57
 Operator : MD/SY
 Sample : J6356-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GROUND-WATER

Quant Time: Dec 13 03:02:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	108106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	192885	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	173403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70093	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	84265	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.16%		
35) Dibromofluoromethane	4.88	113	64152	52.85	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.70%		
50) Toluene-d8	7.57	98	244565	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.86%		
62) 4-Bromofluorobenzene	10.30	95	82601	46.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.04%		

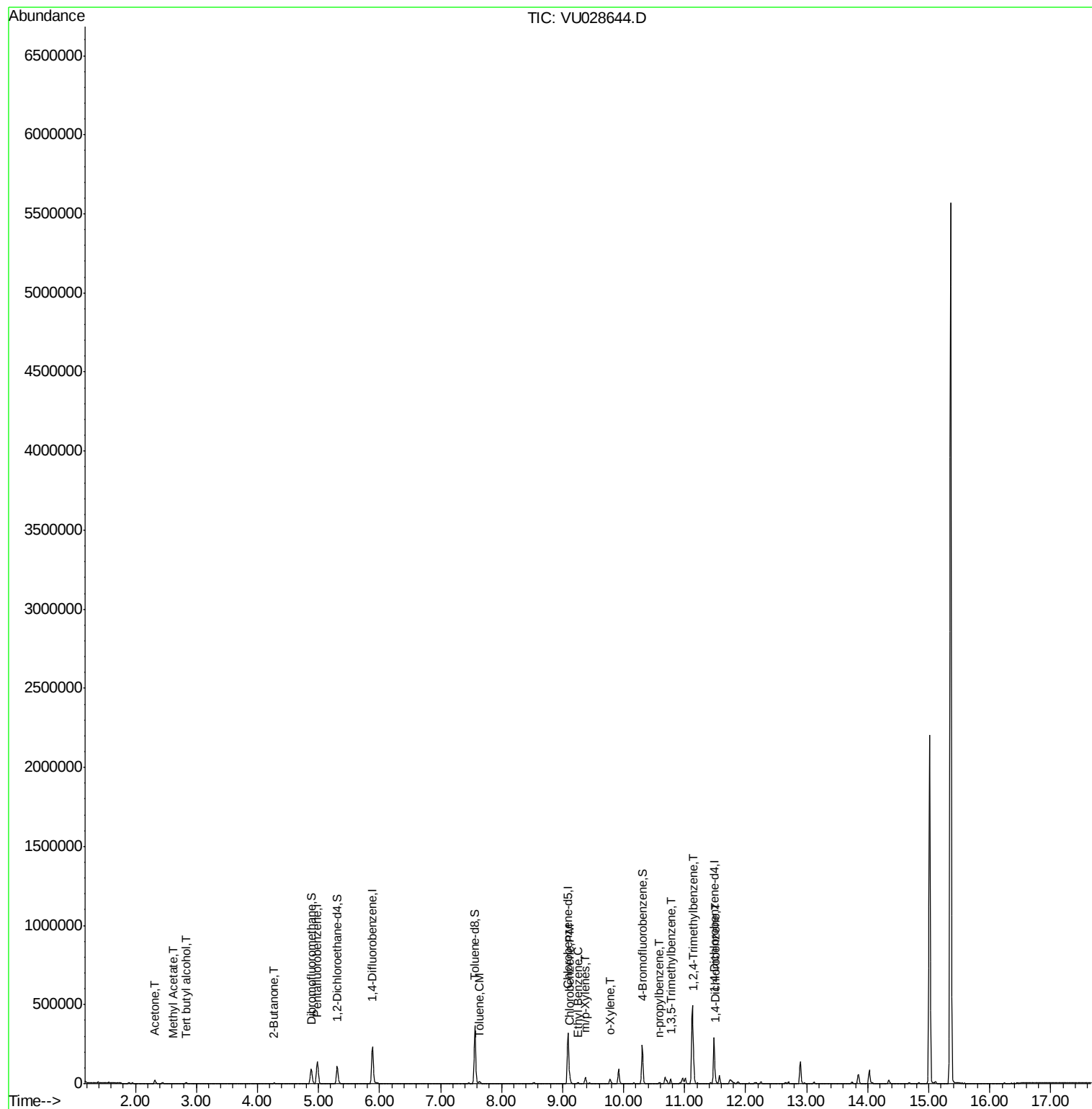
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	5328	14.496	ug/l	95
16) Acetone	2.32	43	24493	22.751	ug/l	96
18) Methyl Acetate	2.62	43	2861	1.025	ug/l	95
25) 2-Butanone	4.27	43	6860	4.663	ug/l	98
52) Toluene	7.64	92	4632	1.266	ug/l	97
65) Chlorobenzene	9.12	112	18725	5.068	ug/l	99
67) Ethyl Benzene	9.25	91	5689	0.838	ug/l	100
68) m/p-Xylenes	9.38	106	11236	4.546	ug/l	100
69) o-Xylene	9.78	106	7918	3.296	ug/l	99
78) n-propylbenzene	10.59	91	6797	1.017	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	16562	3.720	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	55593	12.116	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	5085	2.069	ug/l	90

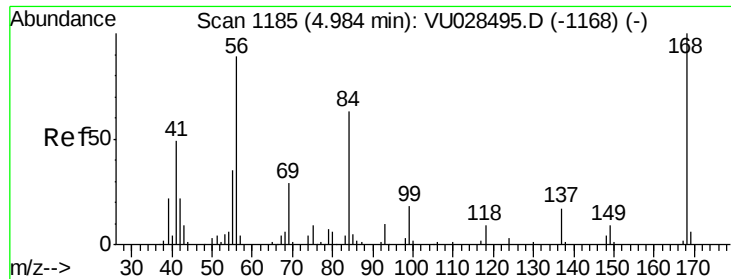
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028644.D

Acq: 12 Dec 2018 11:57

Instrument :

MSVOA_U

ClientSampleId :

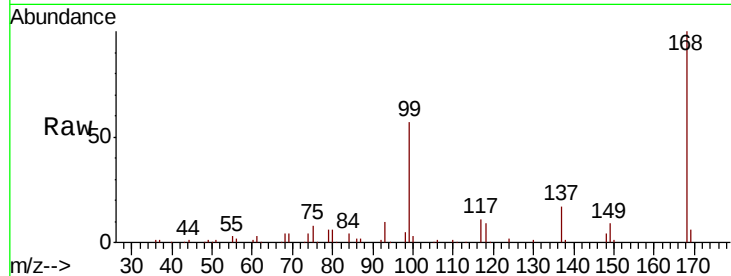
GROUND-WATER

Tot Ion:168 Resp: 108106

Ion Ratio Lower Upper

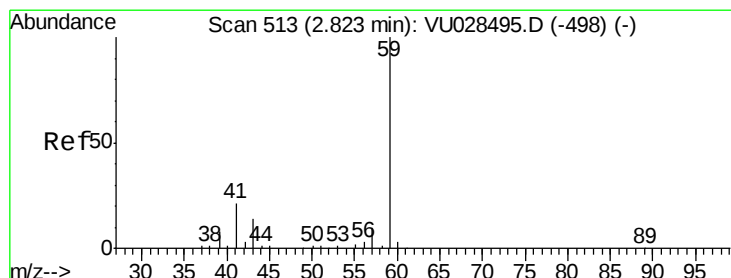
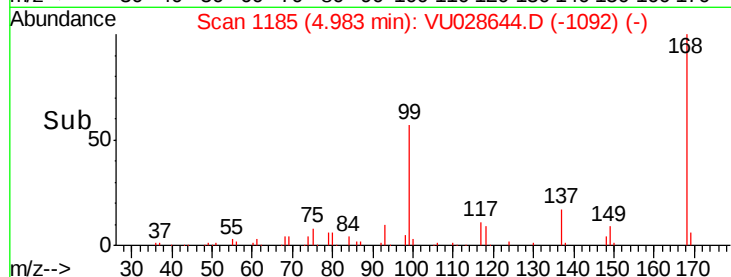
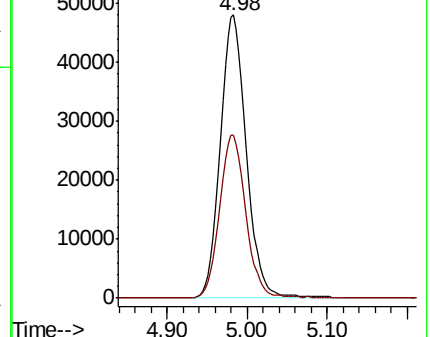
168 100

99 57.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#11

Tert butyl alcohol

Concen: 14.496 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028644.D

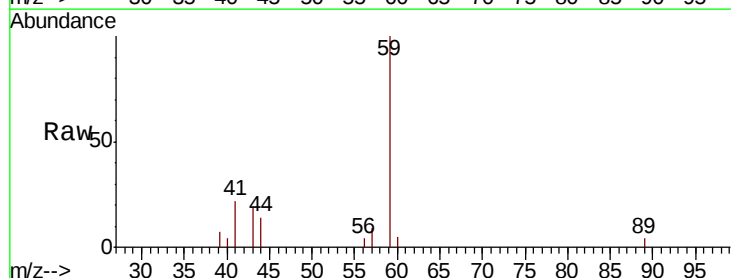
Acq: 12 Dec 2018 11:57

Tgt Ion: 59 Resp: 5328

Ion Ratio Lower Upper

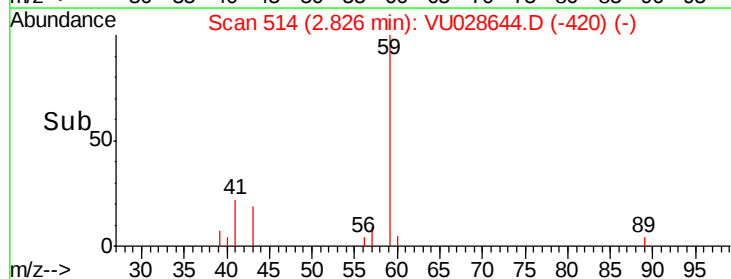
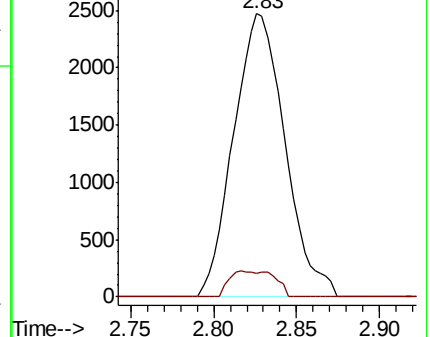
59 100

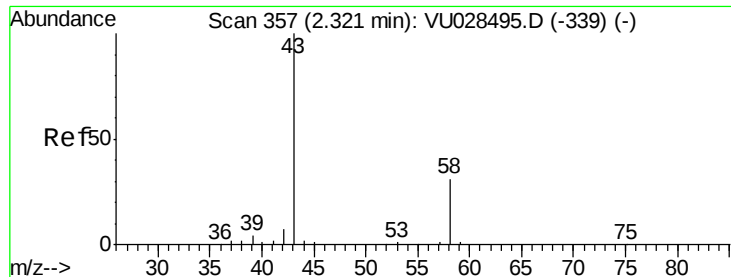
57 8.1 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)





#16

Acetone

Concen: 22.751 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028644.D

Acq: 12 Dec 2018 11:57

Instrument :

MSVOA_U

ClientSampleId :

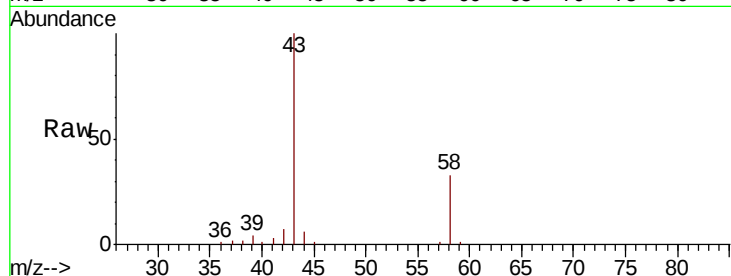
GROUND-WATER

Tot Ion: 43 Resp: 24493

Ion Ratio Lower Upper

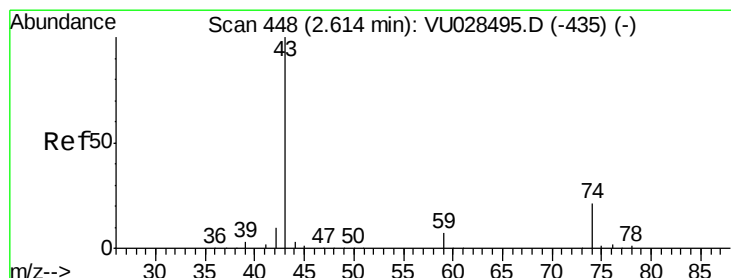
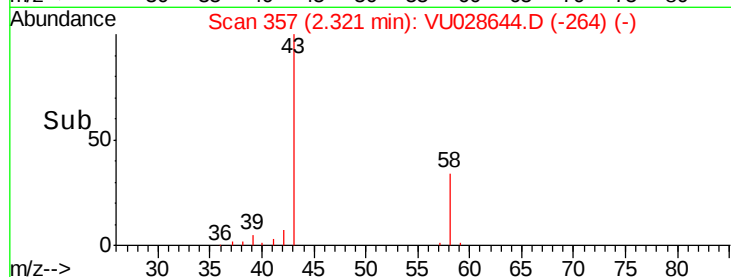
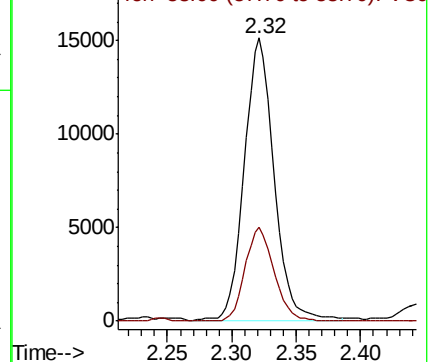
43 100

58 33.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 1.025 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028644.D

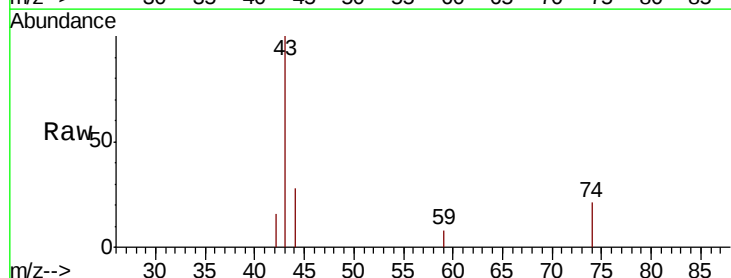
Acq: 12 Dec 2018 11:57

Tgt Ion: 43 Resp: 2861

Ion Ratio Lower Upper

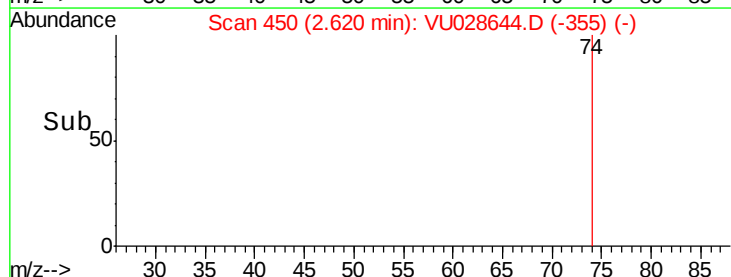
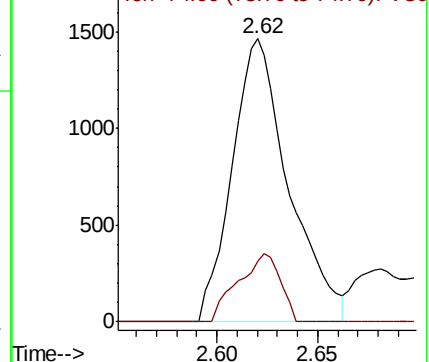
43 100

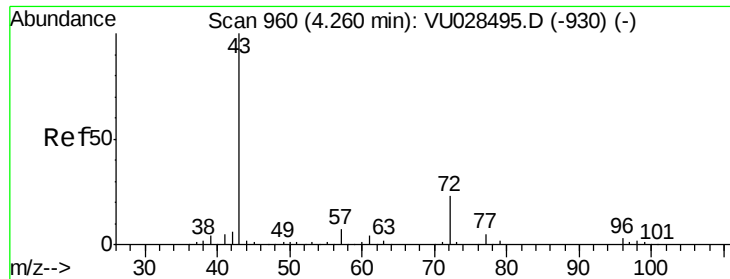
74 18.1 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

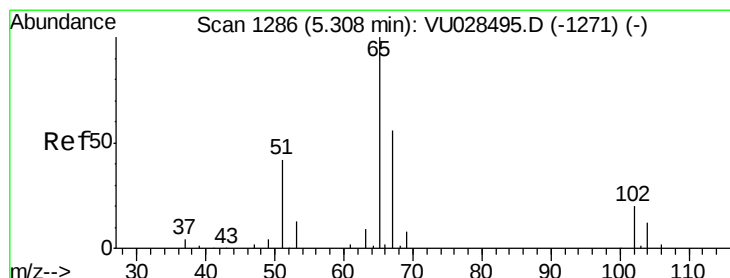
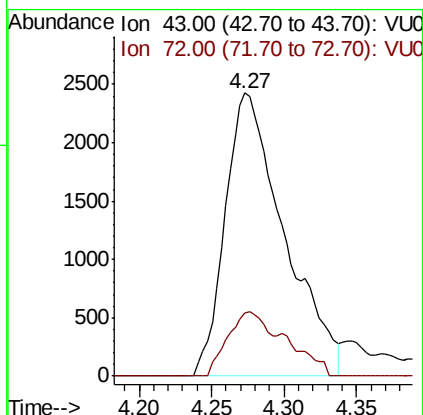
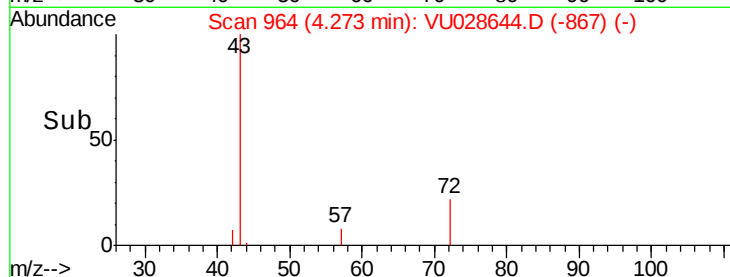
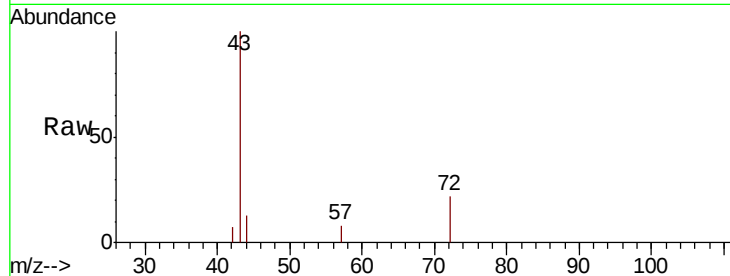




#25
 2-Butanone
 Concen: 4.663 ug/l
 RT: 4.27 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VU028644.D
 Acq: 12 Dec 2018 11:57

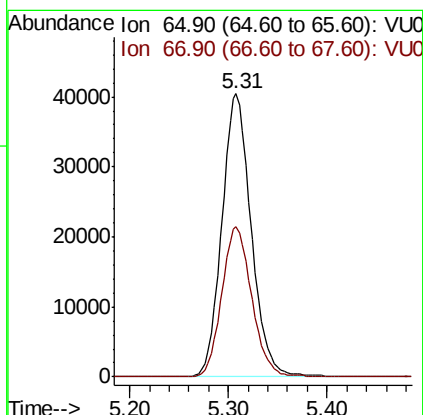
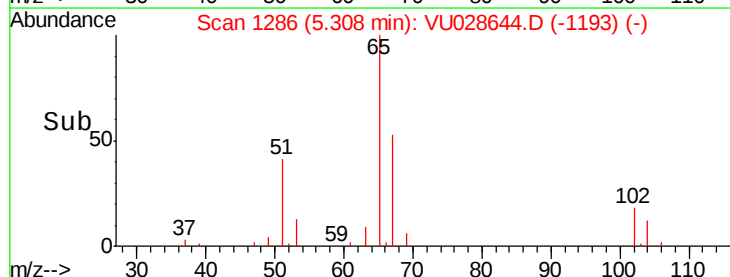
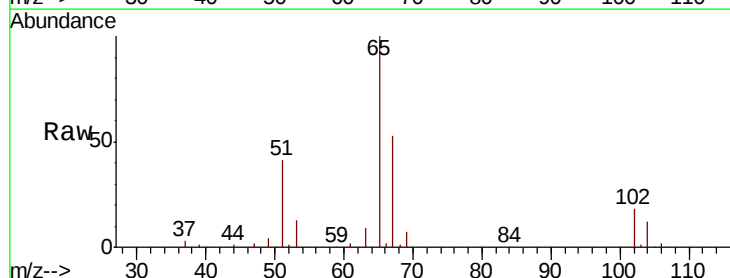
Instrument :
 MSVOA_U
 ClientSampleId :
 GROUND-WATER

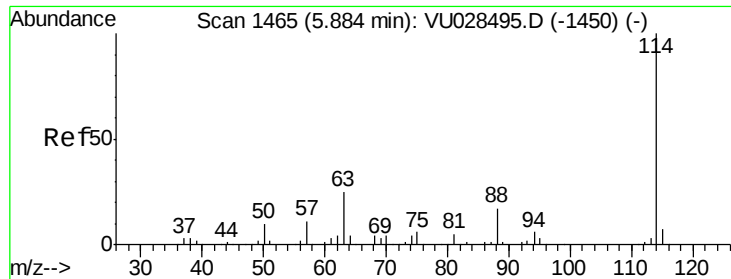
Tot Ion: 43 Resp: 6860
 Ion Ratio Lower Upper
 43 100
 72 22.3 18.6 28.0



#33
 1,2-Dichloroethane-d4
 Concen: 51.077 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028644.D
 Acq: 12 Dec 2018 11:57

Tgt Ion: 65 Resp: 84265
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.6

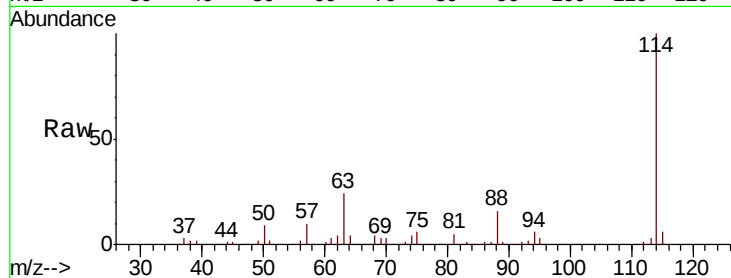




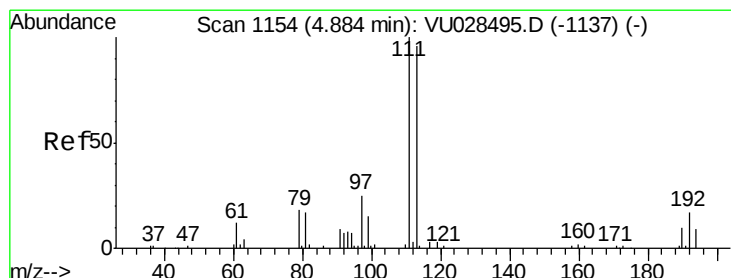
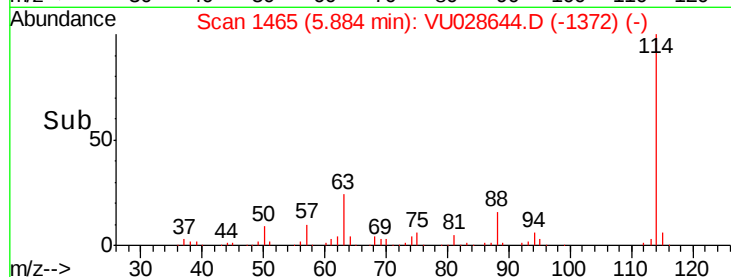
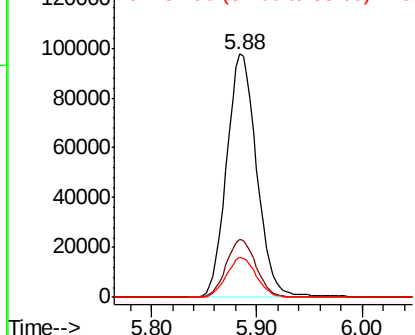
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028644.D
 Acq: 12 Dec 2018 11:57

Instrument :
 MSVOA_U
 ClientSampleId :
 GROUND-WATER

Tot Ion:114 Resp: 192885
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 16.3 0.0 33.4

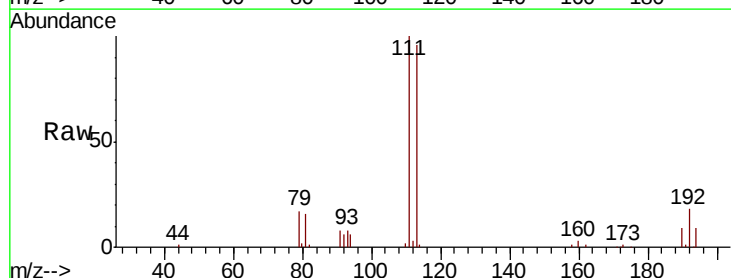


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

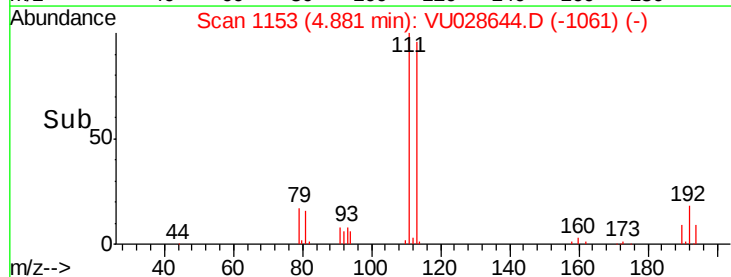
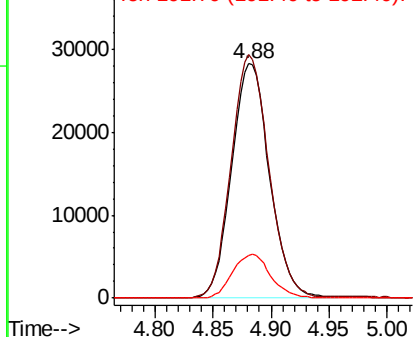


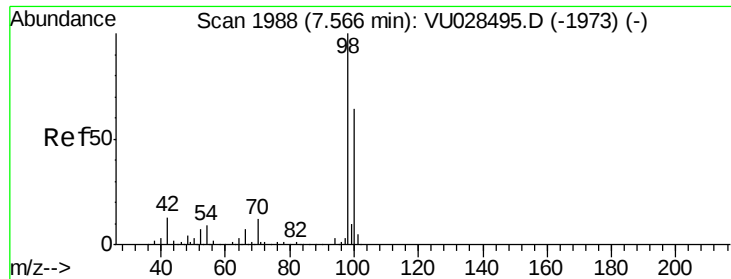
#35
 Dibromofluoromethane
 Concen: 52.851 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028644.D
 Acq: 12 Dec 2018 11:57

Tgt Ion:113 Resp: 64152
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.4 125.0
 192 18.8 14.8 22.2



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

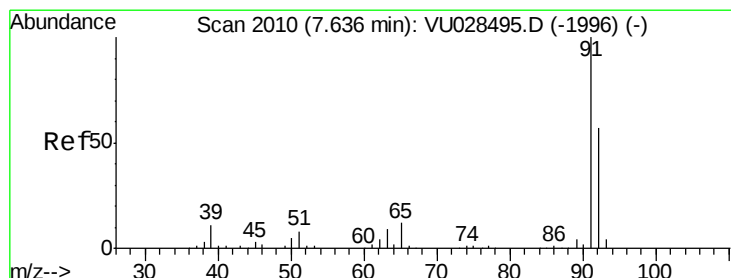
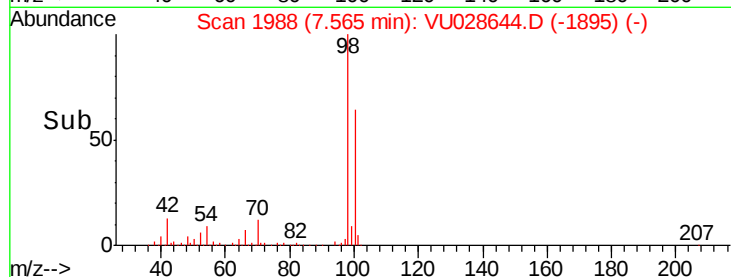
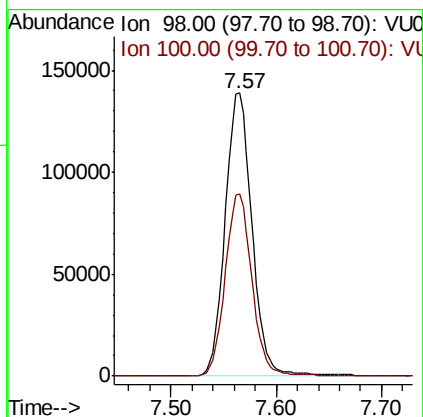
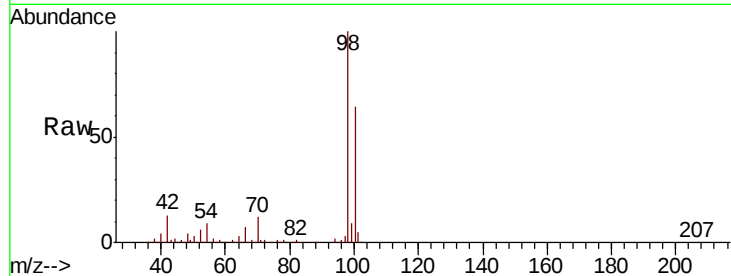




#50
Toluene-d8
Concen: 50.933 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028644.D
Acq: 12 Dec 2018 11:57

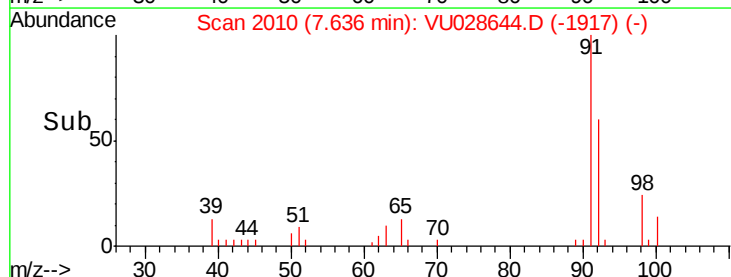
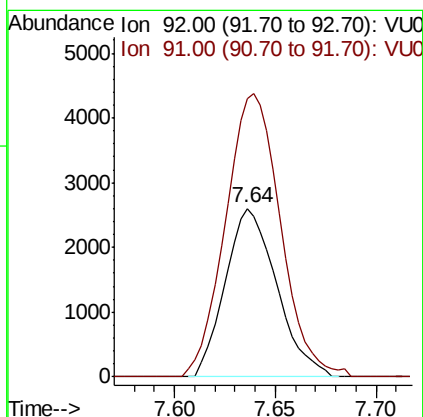
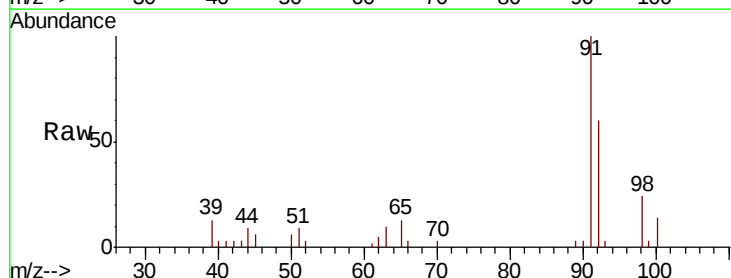
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ClientSampleId :
GROUND-WATER

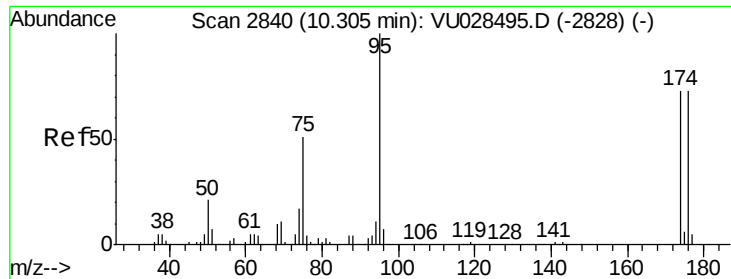
Tot Ion: 98 Resp: 244565
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.6



#52
Toluene
Concen: 1.266 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028644.D
Acq: 12 Dec 2018 11:57

Tgt Ion: 92 Resp: 4632
Ion Ratio Lower Upper
92 100
91 180.1 140.2 210.4

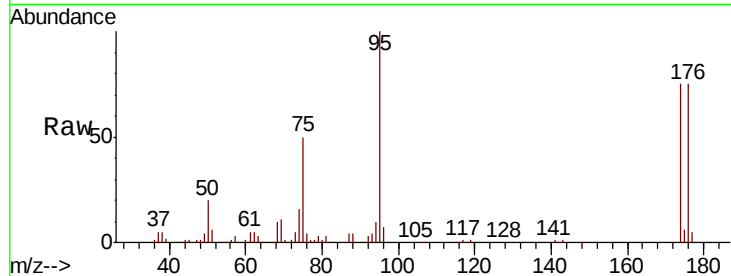




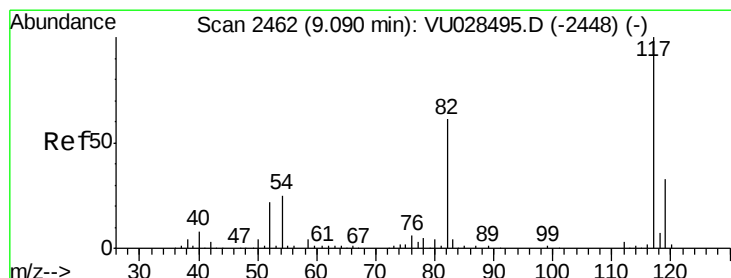
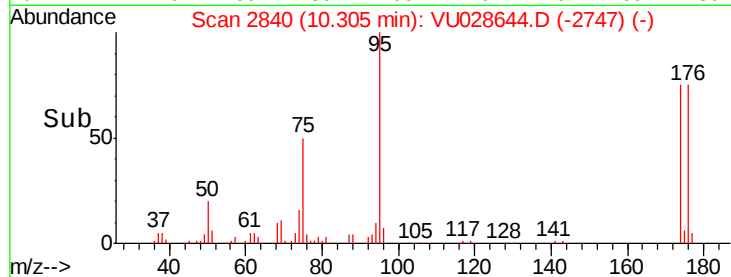
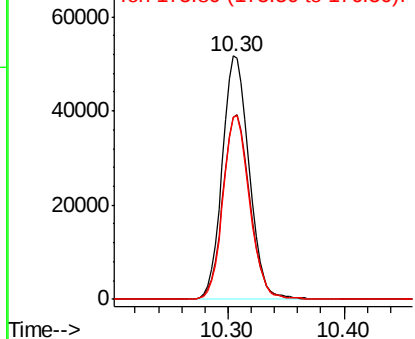
#62
 4-Bromofluorobenzene
 Concen: 46.025 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028644.D
 Acq: 12 Dec 2018 11:57

Instrument :
 MSVOA_U
 ClientSampleId :
 GROUND-WATER

Tot Ion: 95 Resp: 82601
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 150.4
 176 74.5 0.0 145.2

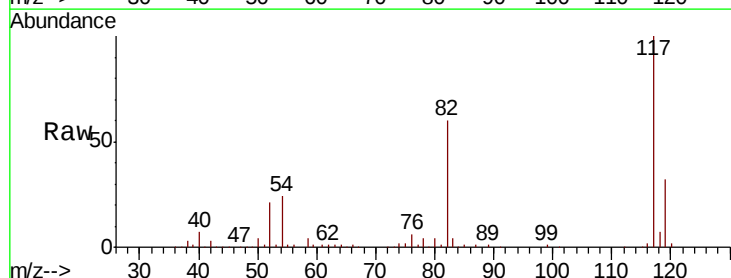


Abundance Ion 94.90 (94.60 to 95.60): VU
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

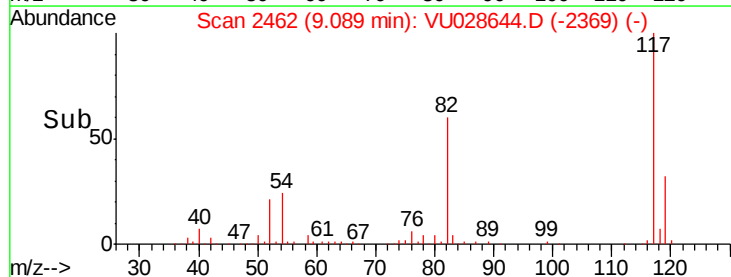
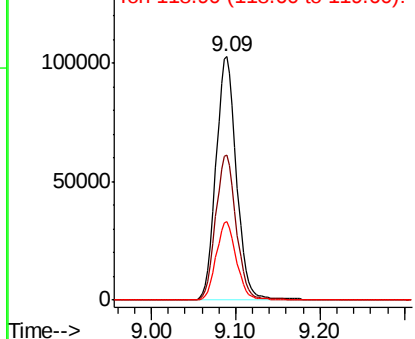


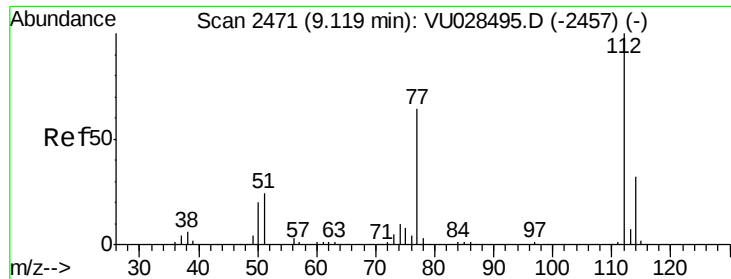
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU028644.D
 Acq: 12 Dec 2018 11:57

Tgt Ion: 117 Resp: 173403
 Ion Ratio Lower Upper
 117 100
 82 59.7 48.9 73.3
 119 32.0 26.2 39.4



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

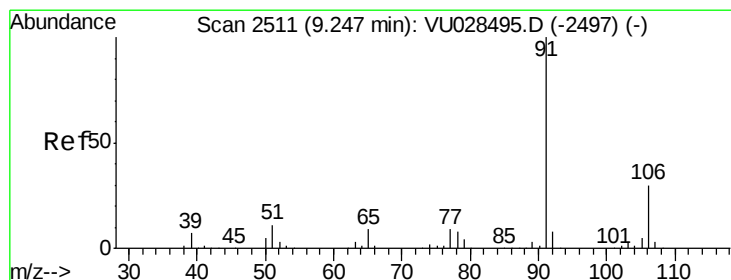
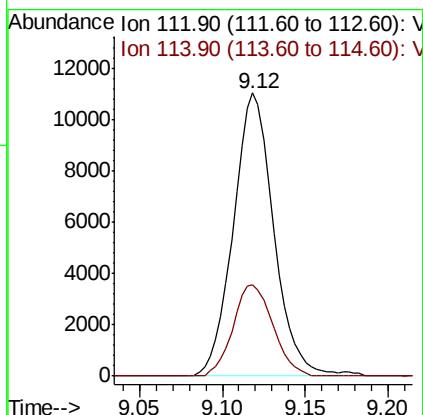
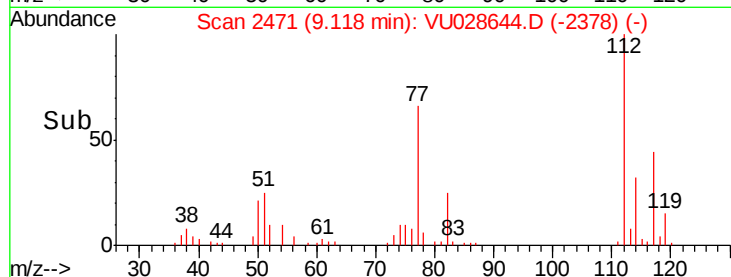
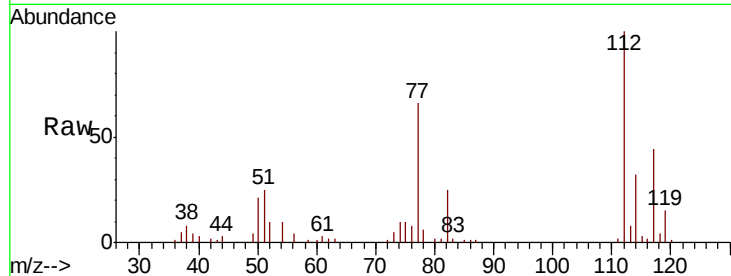




#65
Chlorobenzene
Concen: 5.068 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028644.D
Acq: 12 Dec 2018 11:57

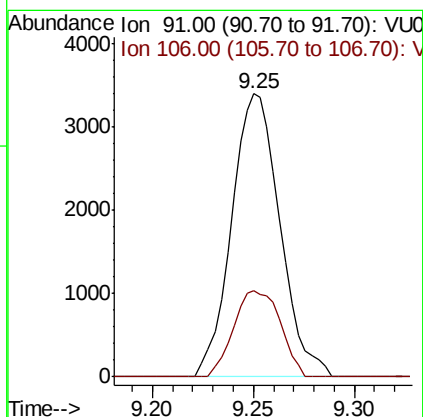
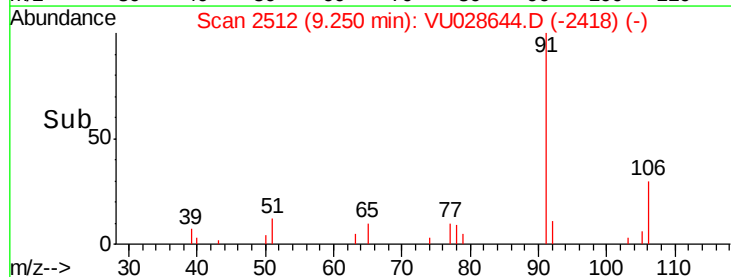
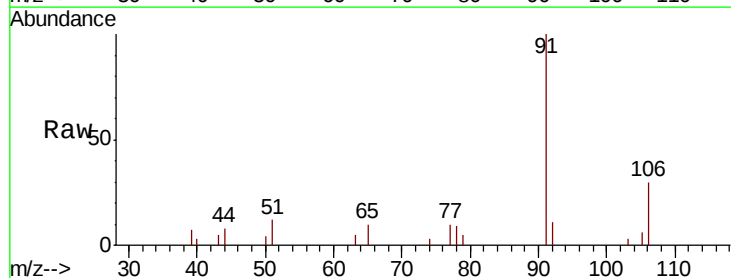
Instrument :
MSVOA_U
ClientSampleId :
GROUND-WATER

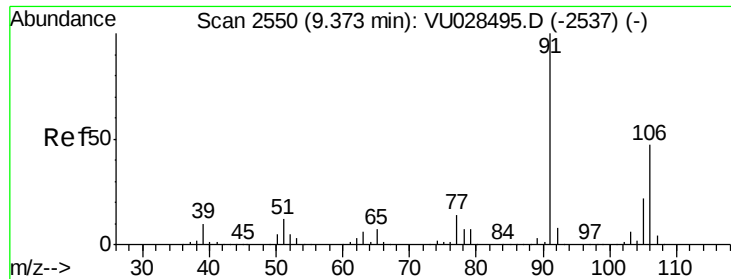
Tot Ion:112 Resp: 18725
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#67
Ethyl Benzene
Concen: 0.838 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028644.D
Acq: 12 Dec 2018 11:57

Tgt Ion: 91 Resp: 5689
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1

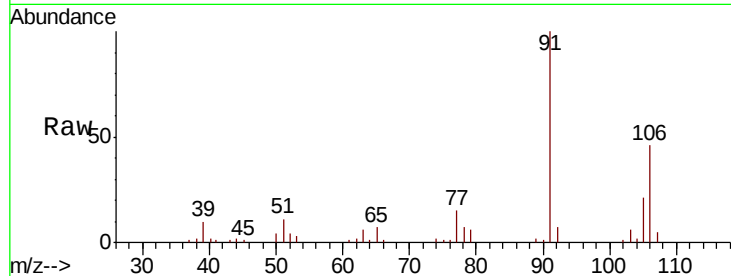




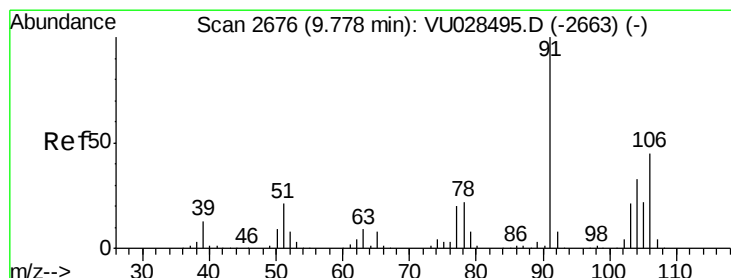
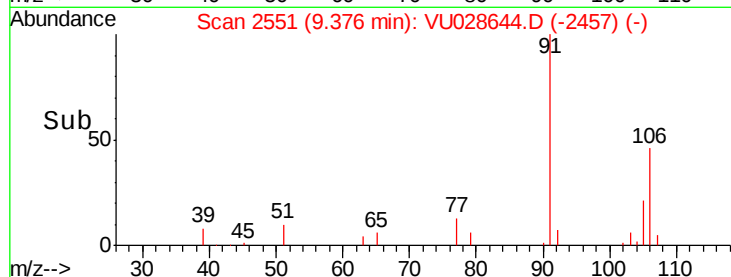
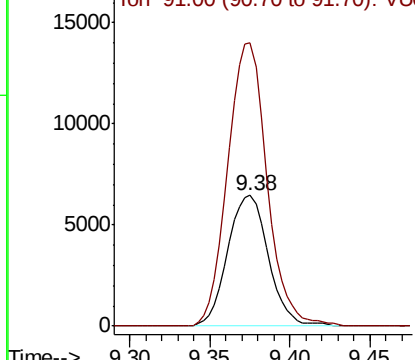
#68
m/p-Xylenes
Concen: 4.546 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028644.D
Acq: 12 Dec 2018 11:57

Instrument :
MSVOA_U
ClientSampleId :
GROUND-WATER

Tot Ion:106 Resp: 11236
Ion Ratio Lower Upper
106 100
91 208.8 167.4 251.0

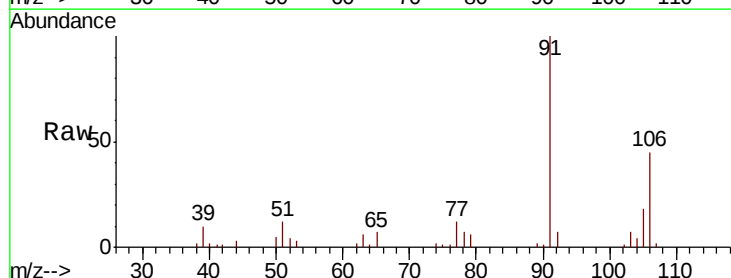


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

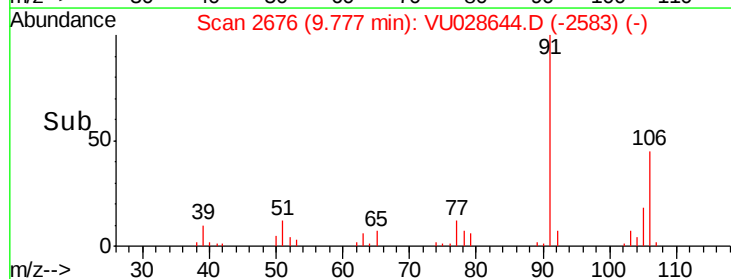
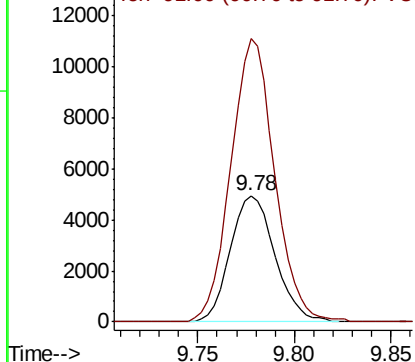


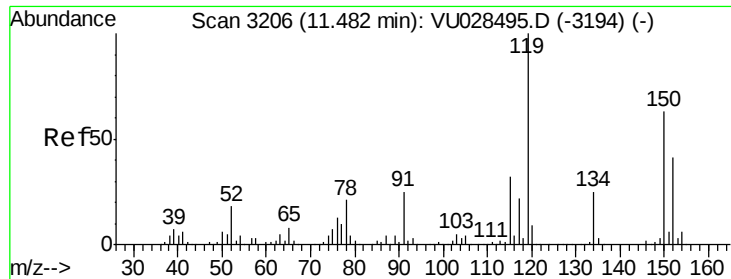
#69
o-Xylene
Concen: 3.296 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028644.D
Acq: 12 Dec 2018 11:57

Tgt Ion:106 Resp: 7918
Ion Ratio Lower Upper
106 100
91 220.6 111.3 334.0



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: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028644.D

Acq: 12 Dec 2018 11:57

Instrument :

MSVOA_U

ClientSampleId :

GROUND-WATER

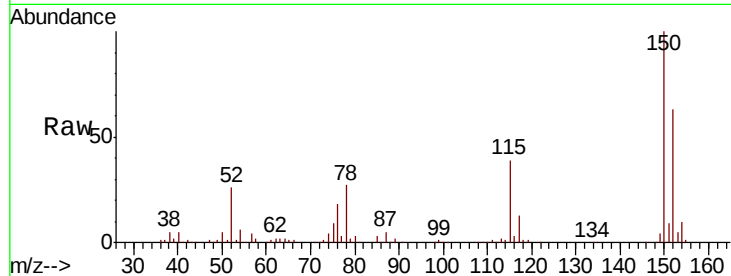
Tot Ion:152 Resp: 70093

Ion Ratio Lower Upper

152 100

115 61.6 42.7 128.1

150 159.7 0.0 346.0

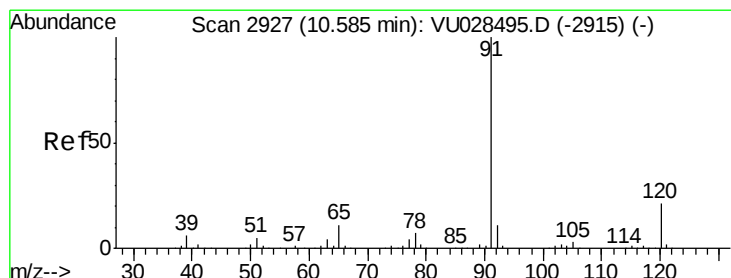
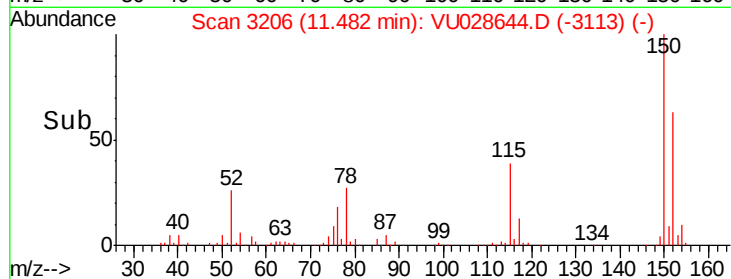
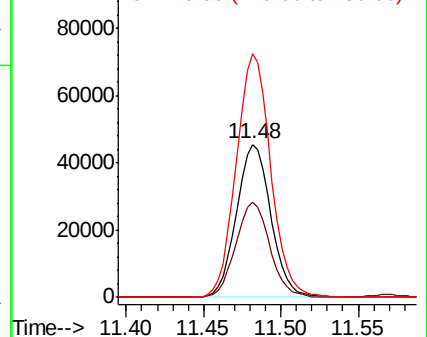


Abundance

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



#78

n-propylbenzene

Concen: 1.017 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028644.D

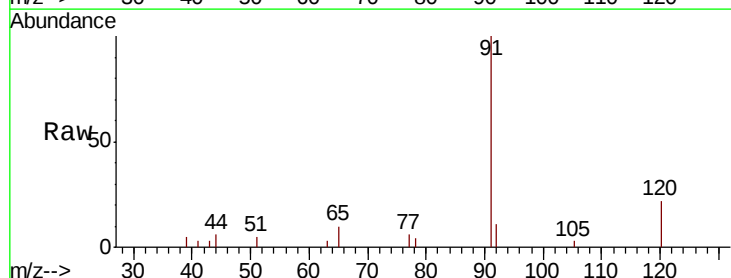
Acq: 12 Dec 2018 11:57

Tgt Ion: 91 Resp: 6797

Ion Ratio Lower Upper

91 100

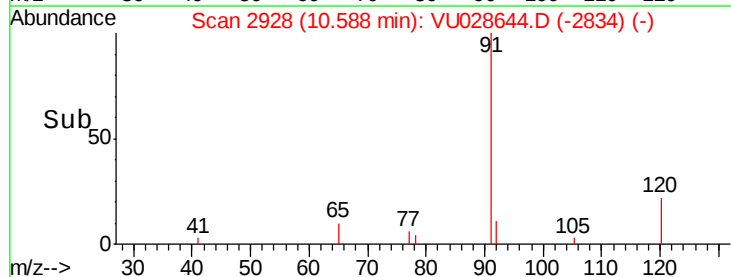
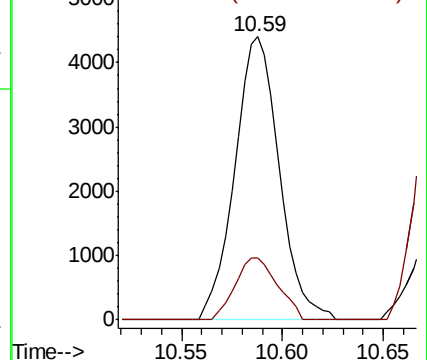
120 21.0 10.6 31.8

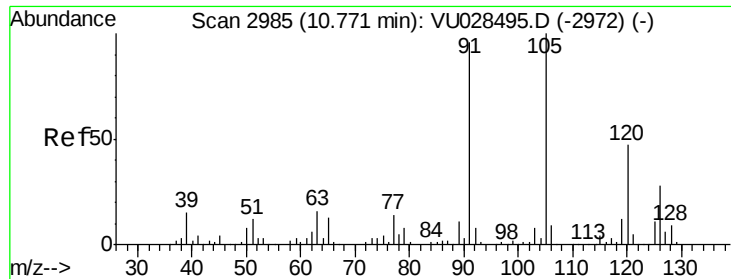


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 3.720 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028644.D

Acq: 12 Dec 2018 11:57

Instrument :

MSVOA_U

ClientSampleId :

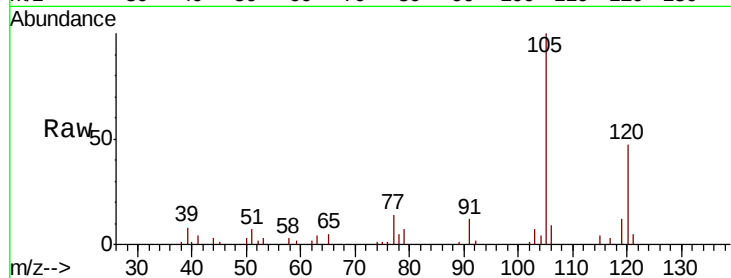
GROUND-WATER

Tot Ion:105 Resp: 16562

Ion Ratio Lower Upper

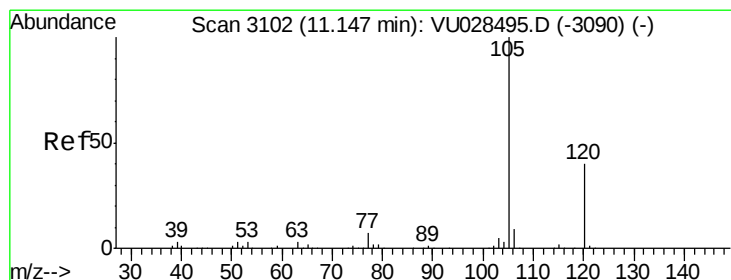
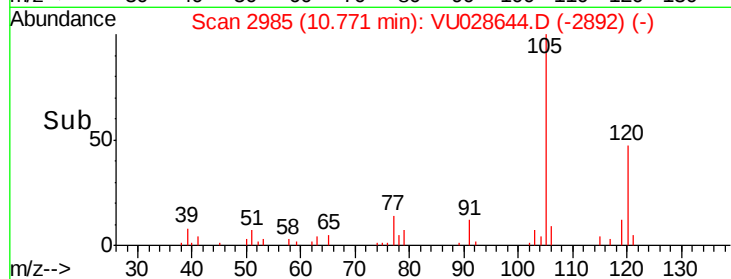
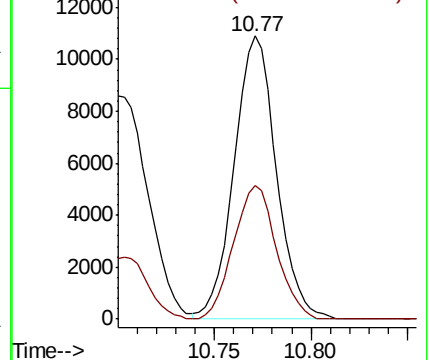
105 100

120 47.8 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 12.116 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028644.D

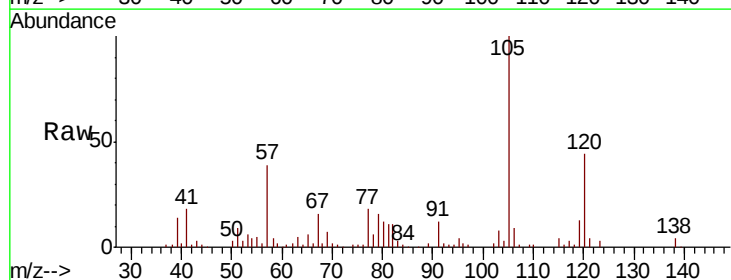
Acq: 12 Dec 2018 11:57

Tgt Ion:105 Resp: 55593

Ion Ratio Lower Upper

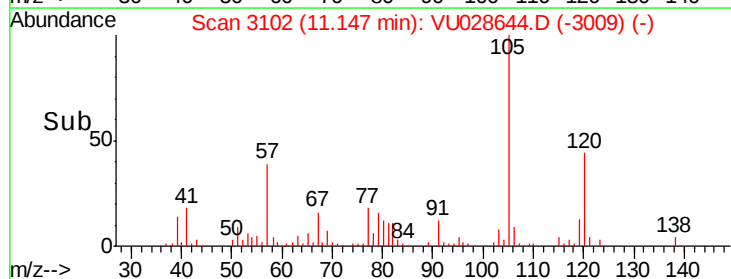
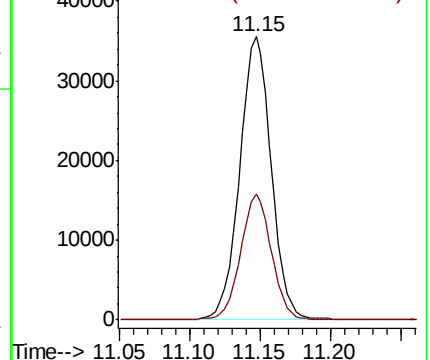
105 100

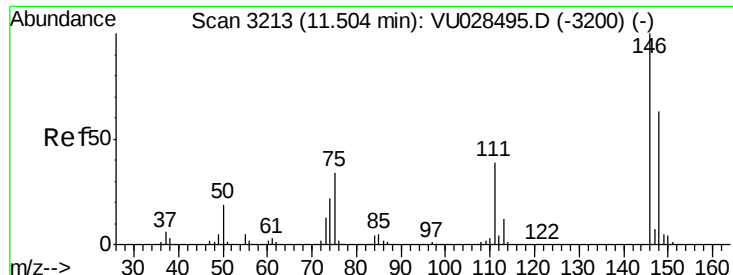
120 43.5 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#88

1,4-Dichlorobenzene

Concen: 2.069 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028644.D

Acq: 12 Dec 2018 11:57

Instrument :

MSVOA_U

ClientSampleId :

GROUND-WATER

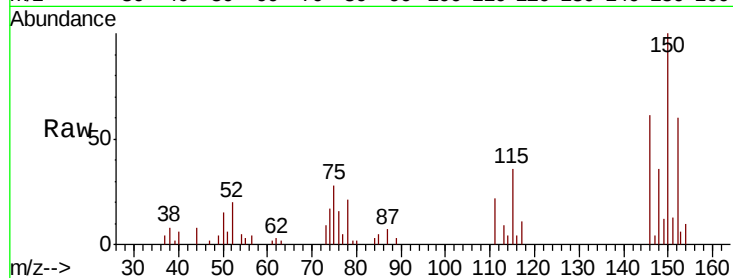
Tot Ion:146 Resp: 5085

Ion Ratio Lower Upper

146 100

111 52.5 20.2 60.5

148 65.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

