

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 01:12:17 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
3) Chloromethane	1.33	50	552	0.83	ug/l	# 86
5) Bromomethane	1.64	94	481	Below	Cal	94
6) Chloroethane	1.70	64	144	0.39	ug/l	# 43
10) Methyl Iodide	2.42	142	464	7.86	ug/l	# 74
11) Tert butyl alcohol	2.83	59	2089	3.08	ug/l	# 73
13) Acrolein	2.19	56	100	0.22	ug/l	# 33
16) Acetone	2.32	43	1875	6.03	ug/l	96
17) Carbon Disulfide	2.48	76	1486	2.17	ug/l	96
18) Methyl Acetate	2.62	43	2951	0.93	ug/l	# 90
20) Methylene Chloride	2.71	84	146	0.75	ug/l	# 51
25) 2-Butanone	4.39	43	29955	13.91	ug/l	# 49
31) Cyclohexane	4.99	56	3841	1.71	ug/l	# 1
36) 1,1-Dichloropropene	4.99	75	14603	4.36	ug/l	# 51
37) Ethyl Acetate	4.39	43	29955	8.01	ug/l	100
38) Carbon Tetrachloride	4.99	117	19416	5.38	ug/l	# 15
43) Isopropyl Acetate	5.55	43	1380	0.23	ug/l	# 63
51) 4-Methyl-2-Pentanone	7.46	43	7307	1.88	ug/l	88
52) Toluene	7.64	92	3552	0.58	ug/l	94
59) 2-Hexanone	8.17	43	1760	0.56	ug/l	67
68) m/p-Xylenes	9.38	106	3326	0.72	ug/l	89
69) o-Xylene	9.78	106	2422	0.53	ug/l	85
74) N-amyl acetate	9.93	43	4181	2.15	ug/l	# 47
76) 1,2,3-Trichloropropane	10.31	75	82168	27.30	ug/l	# 36
79) 2-Chlorotoluene	10.69	91	932	0.27	ug/l	# 40
80) 1,3,5-Trimethylbenzene	10.77	105	5177	0.54	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.31	75	82168	69.67	ug/l	# 100
84) 1,2,4-Trimethylbenzene	11.16	105	5823	0.60	ug/l	96
86) p-Isopropyltoluene	11.69	119	2386	0.24	ug/l	93
88) 1,4-Dichlorobenzene	11.51	146	211	1.53	ug/l	# 25
89) n-Butylbenzene	11.89	91	2040	0.25	ug/l	# 17
90) Hexachloroethane	12.25	117	625	0.37	ug/l	# 7
93) 1,2,4-Trichlorobenzene	13.51	180	449	3.40	ug/l	# 1
95) Naphthalene	13.75	128	4359	2.79	ug/l	# 88
96) 1,2,3-Trichlorobenzene	13.99	180	709	2.71	ug/l	# 64

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QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

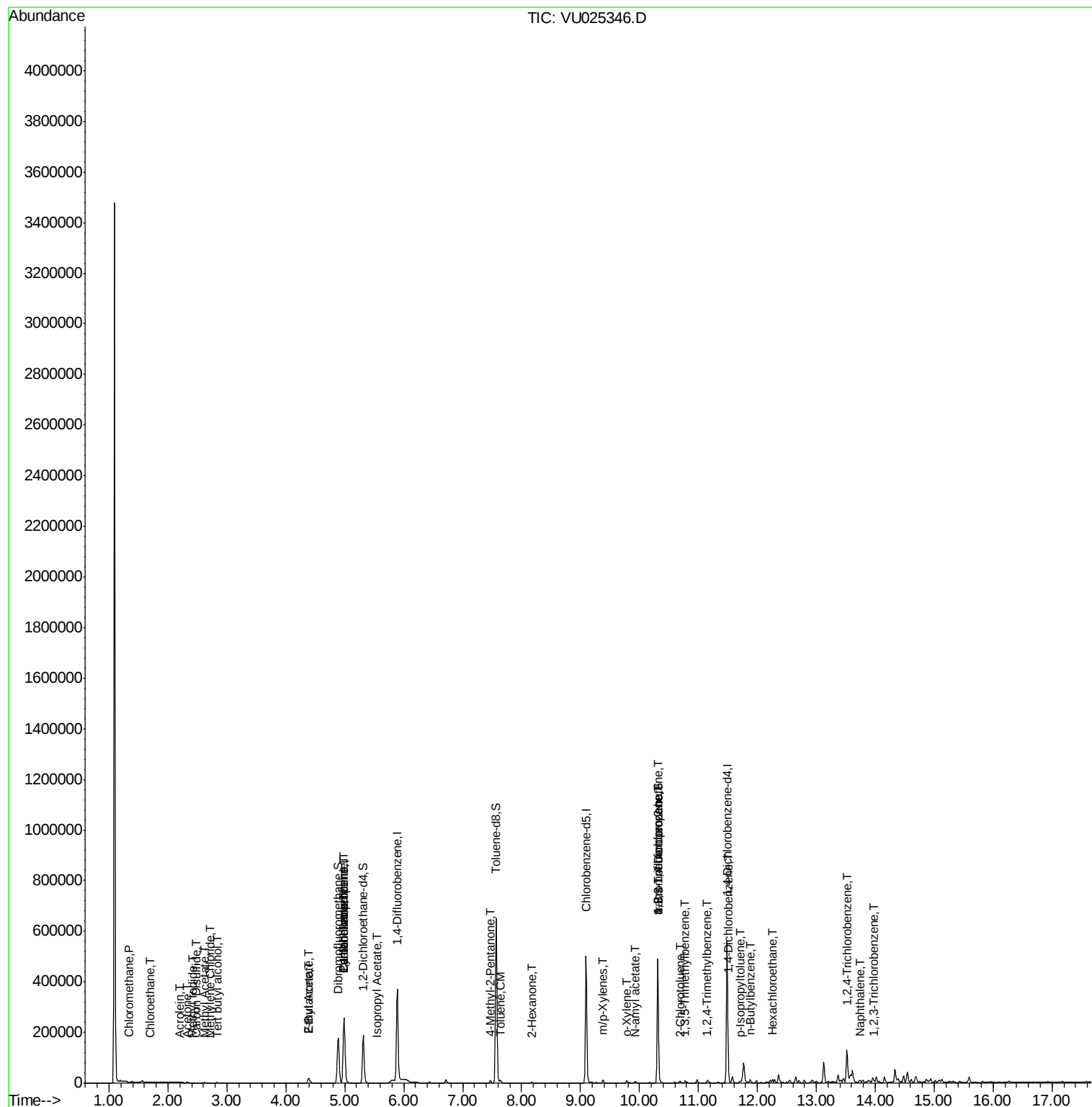
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

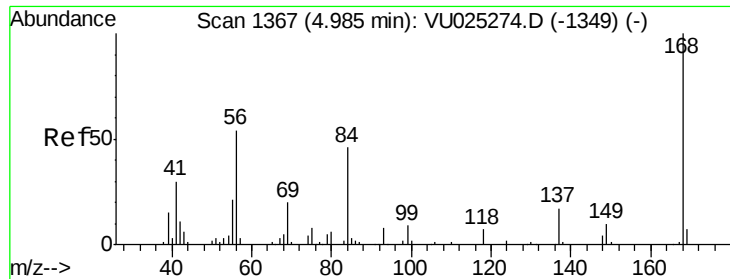
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 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 :

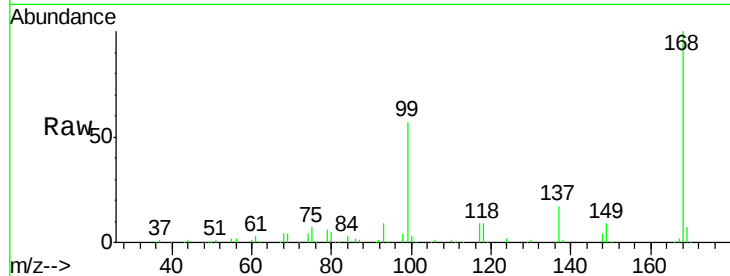
GROUNDWATER

Tot Ion:168 Resp: 200039

Ion Ratio Lower Upper

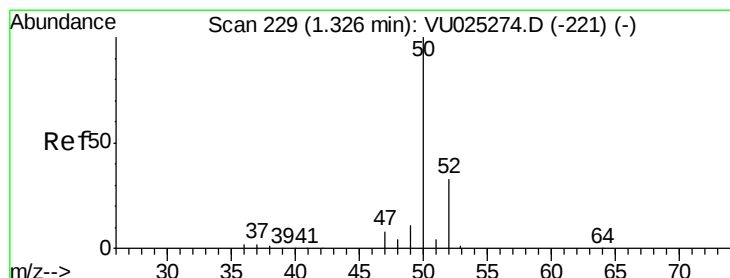
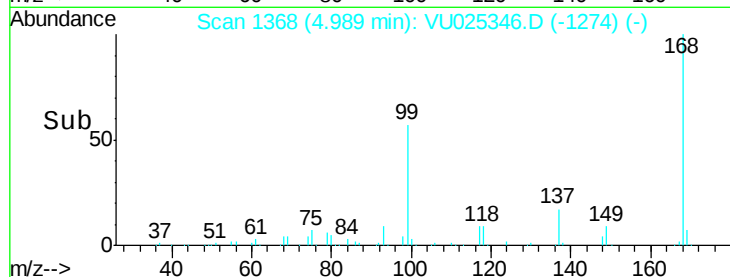
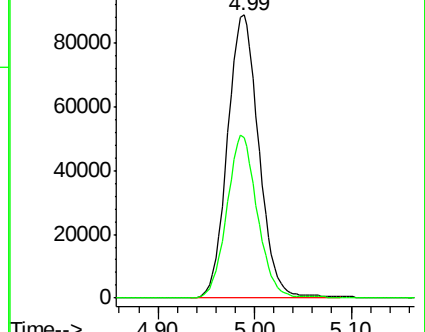
168 100

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) (-)



#3

Chloromethane

Concen: 0.83 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025346.D

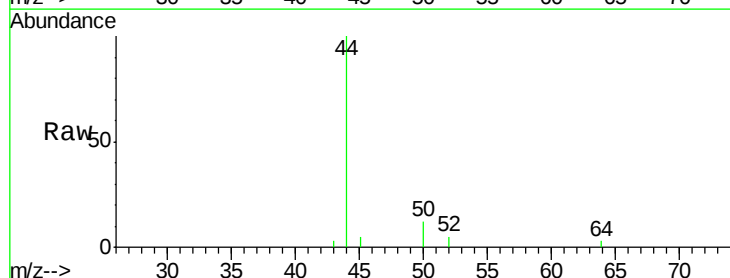
Acq: 12 Jul 2018 17:56

Tgt Ion: 50 Resp: 552

Ion Ratio Lower Upper

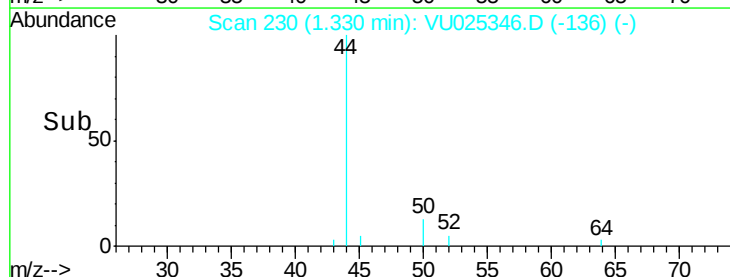
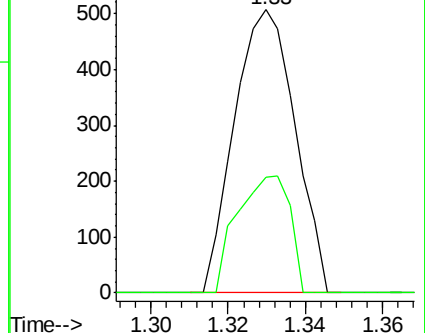
50 100

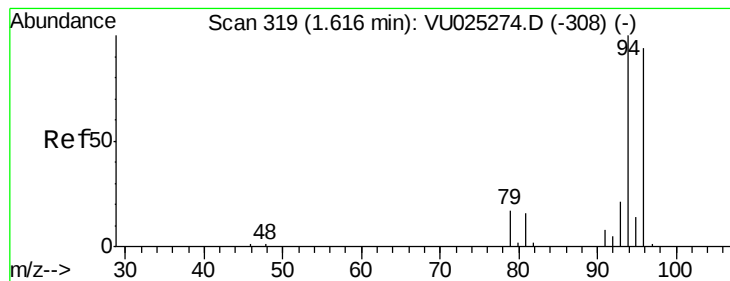
52 40.8 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VU025274.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025274.D (-221) (-)





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

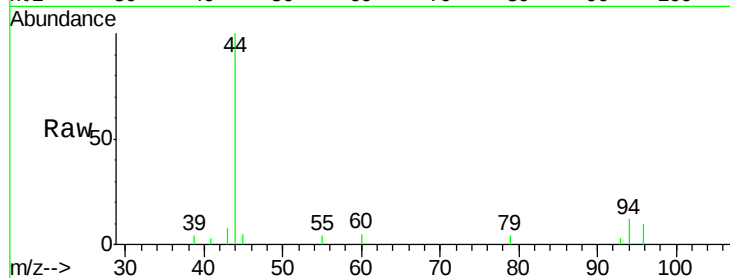
GROUNDWATER

Tot Ion: 94 Resp: 481

Ion Ratio Lower Upper

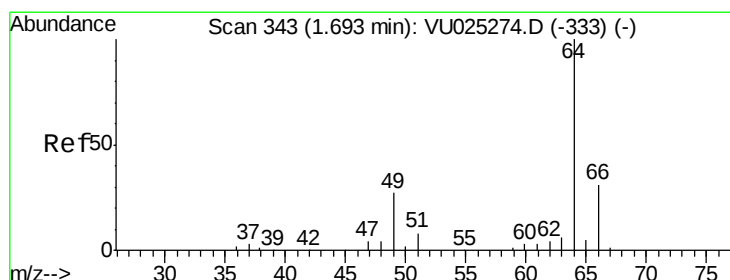
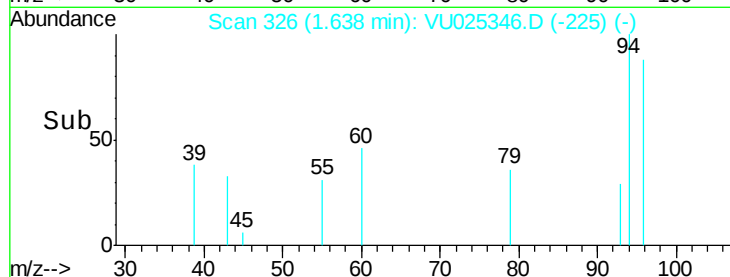
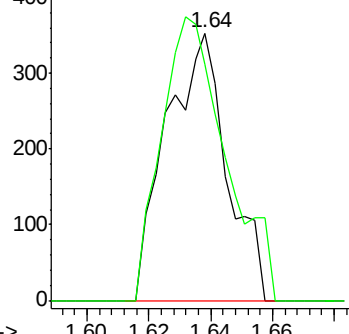
94 100

96 88.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 0.39 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU025346.D

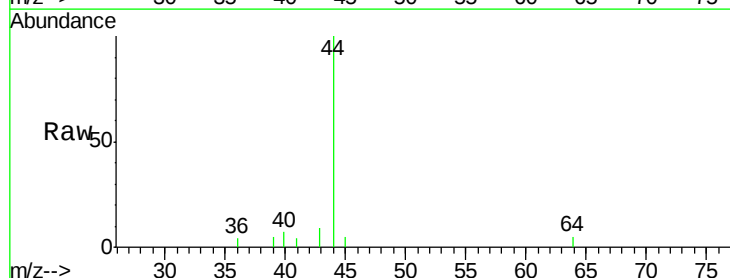
Acq: 12 Jul 2018 17:56

Tgt Ion: 64 Resp: 144

Ion Ratio Lower Upper

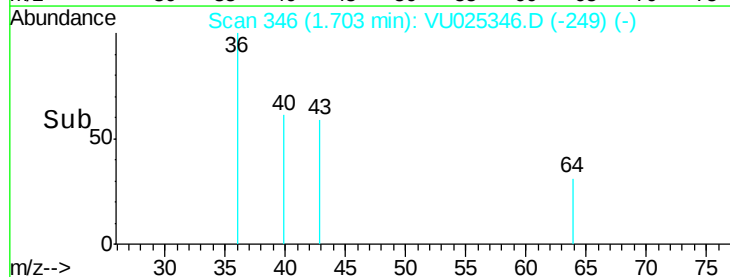
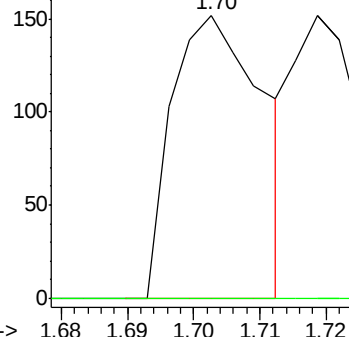
64 100

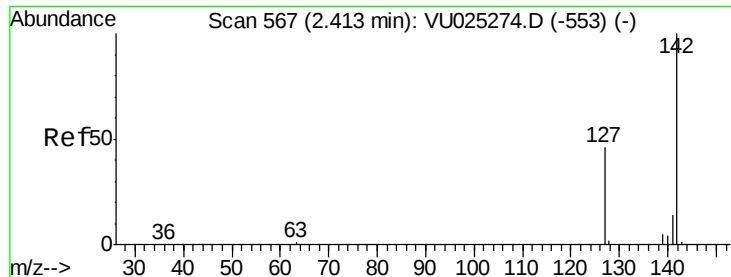
66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

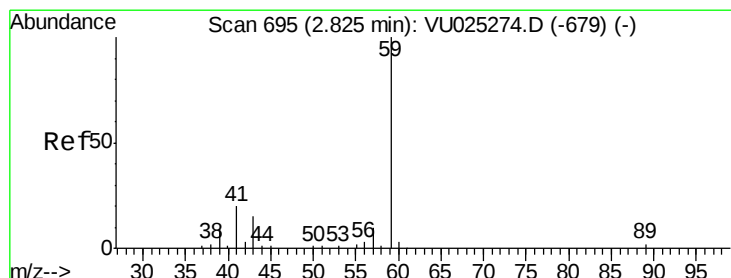
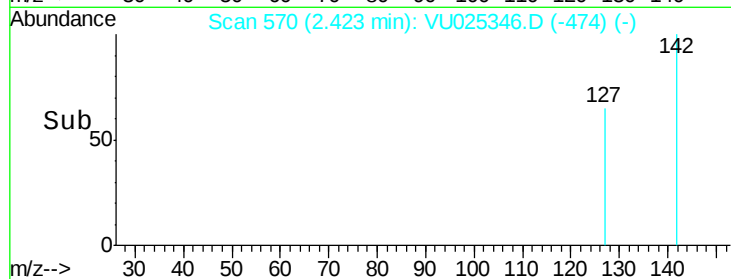
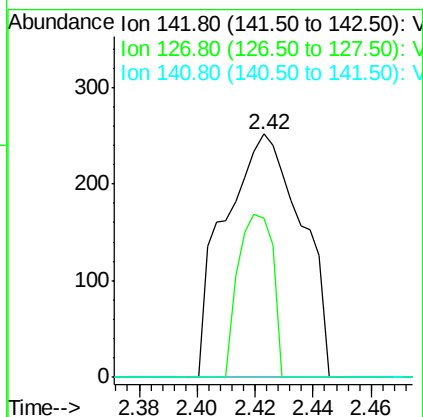
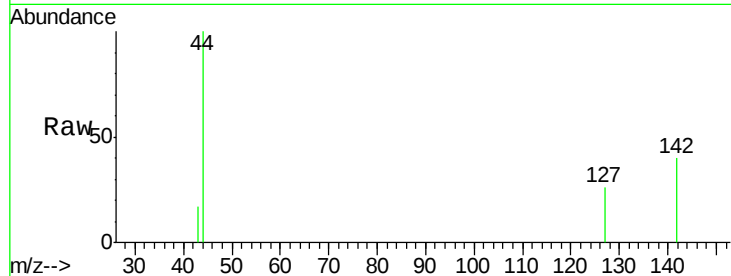




#10
Methvl Iodide
Concen: 7.86 ug/l
RT: 2.42 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

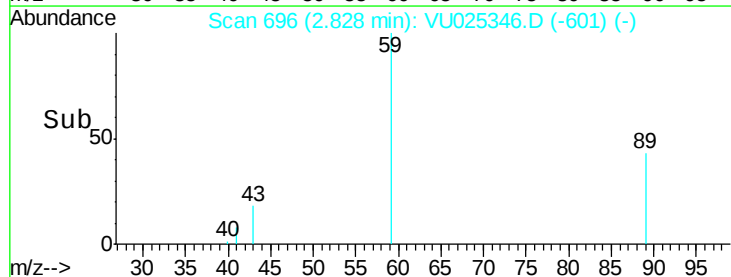
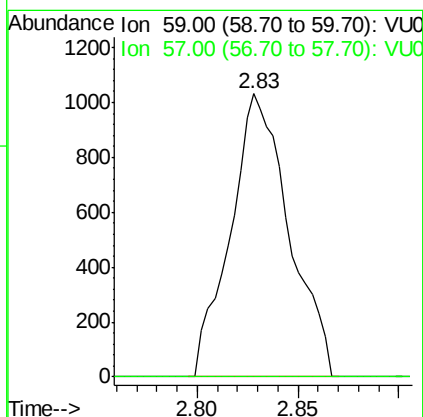
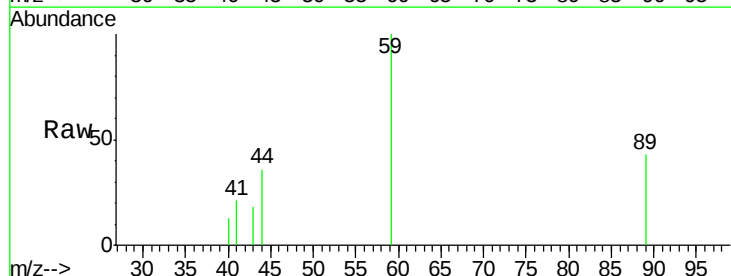
Instrument :
MSVOA_U
ClientSampleId :
GROUNDWATER

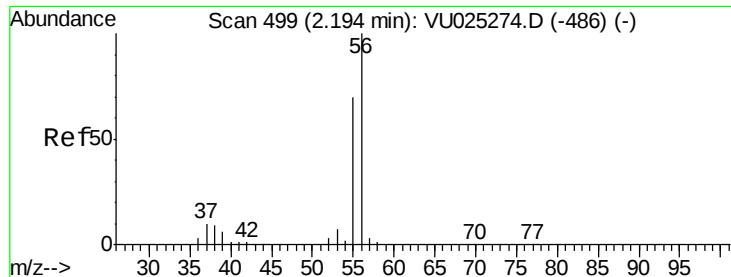
Tot Ion:142 Resp: 464
Ion Ratio Lower Upper
142 100
127 30.2 36.5 54.7#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 3.08 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

Tgt Ion: 59 Resp: 2089
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.22 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

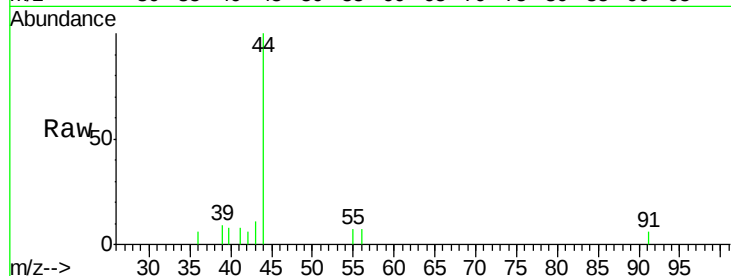
GROUNDWATER

Tot Ion: 56 Resp: 100

Ion Ratio Lower Upper

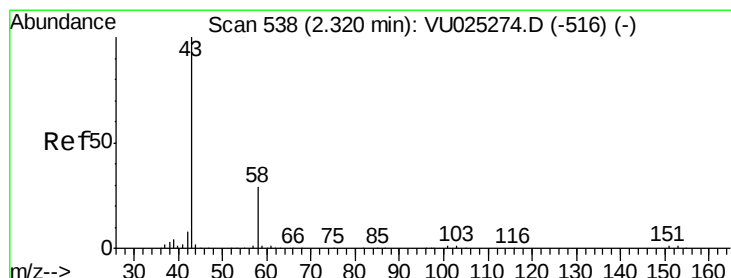
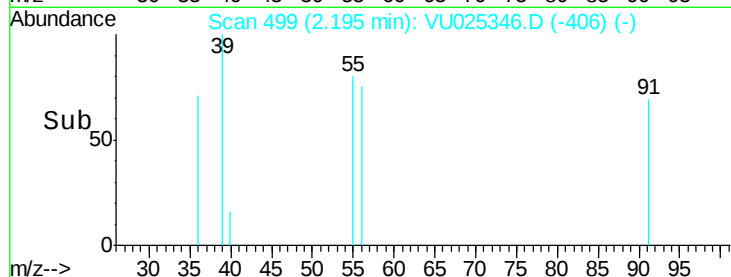
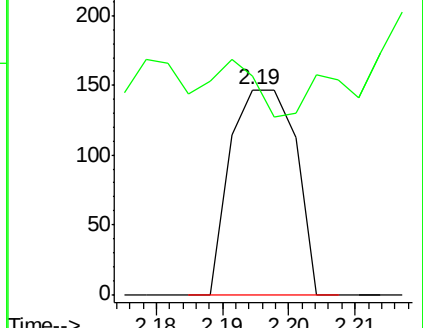
56 100

55 16.0 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 6.03 ug/l

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025346.D

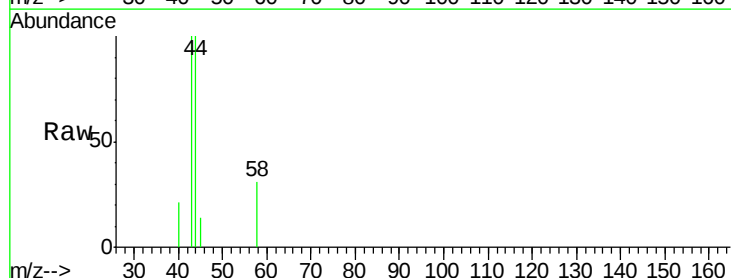
Acq: 12 Jul 2018 17:56

Tgt Ion: 43 Resp: 1875

Ion Ratio Lower Upper

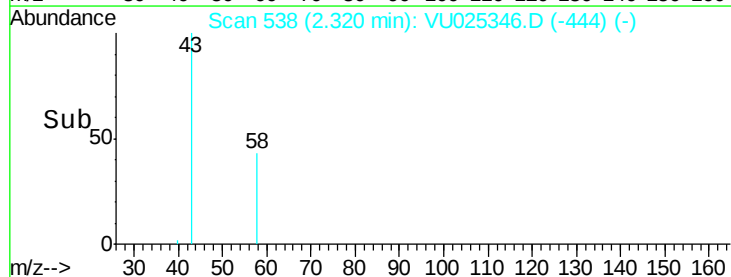
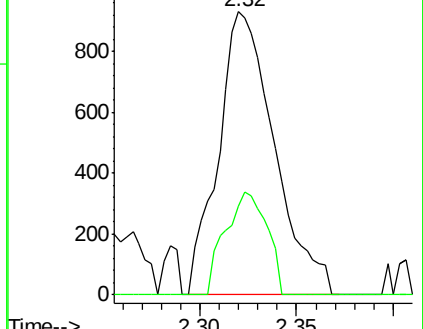
43 100

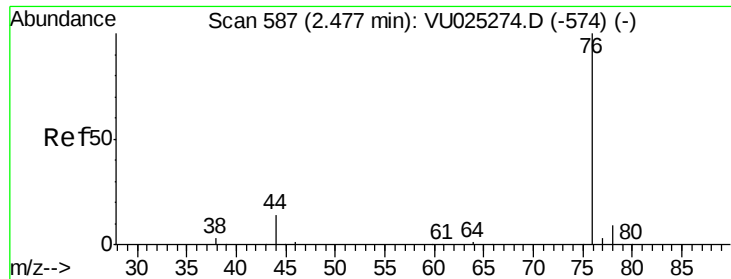
58 31.3 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 2.17 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

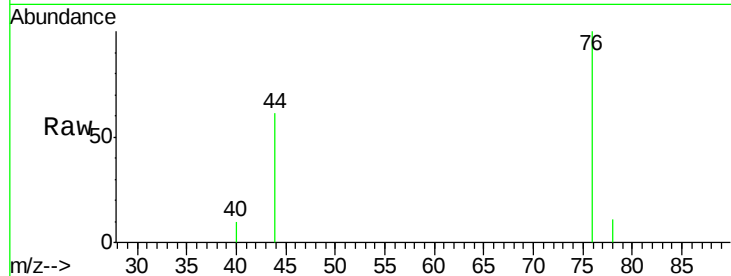
GROUNDWATER

Tot Ion: 76 Resp: 1486

Ion Ratio Lower Upper

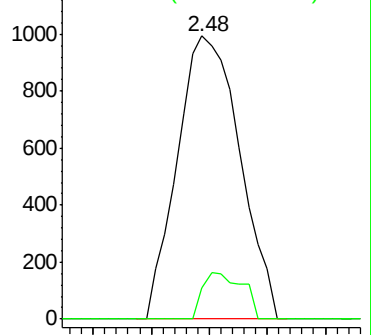
76 100

78 10.9 7.4 11.2

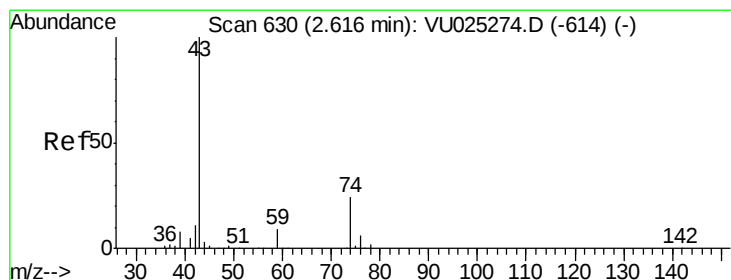
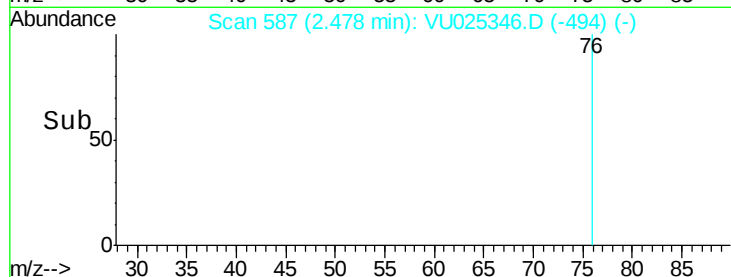


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#18

Methyl Acetate

Concen: 0.93 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025346.D

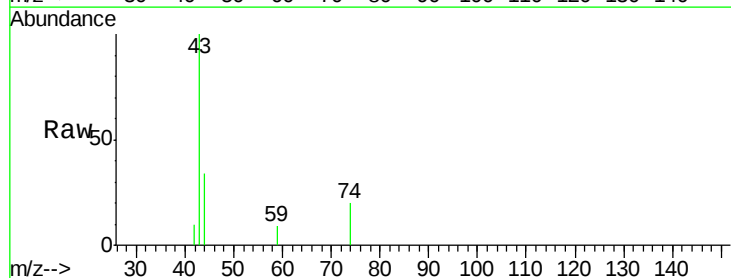
Acq: 12 Jul 2018 17:56

Tgt Ion: 43 Resp: 2951

Ion Ratio Lower Upper

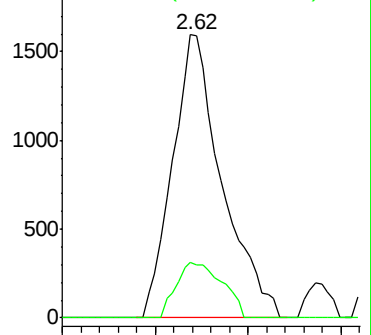
43 100

74 18.2 18.5 27.7#

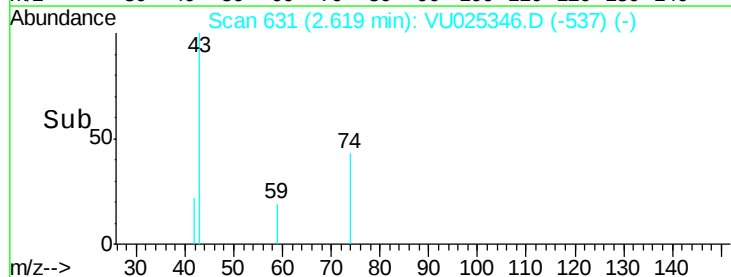


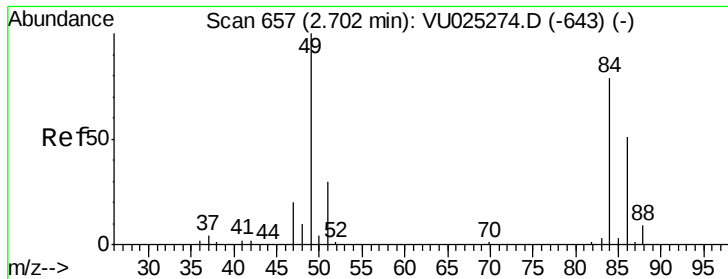
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



Time-->

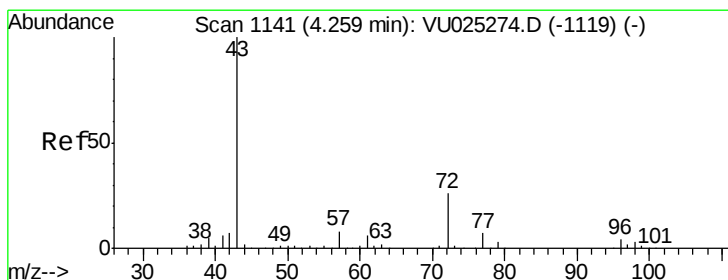
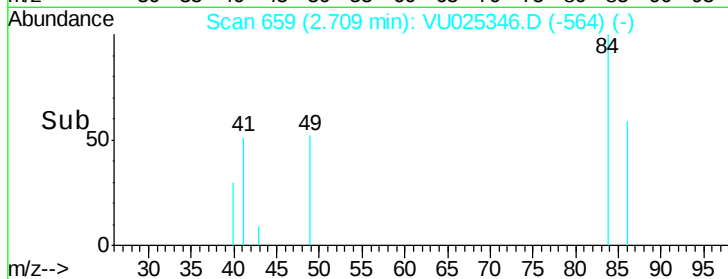
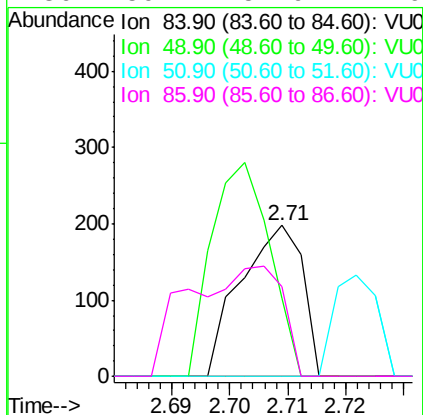
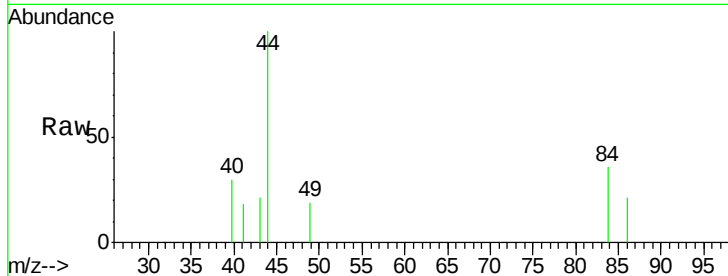




#20
Methvlene Chloride
Concen: 0.75 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.01 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

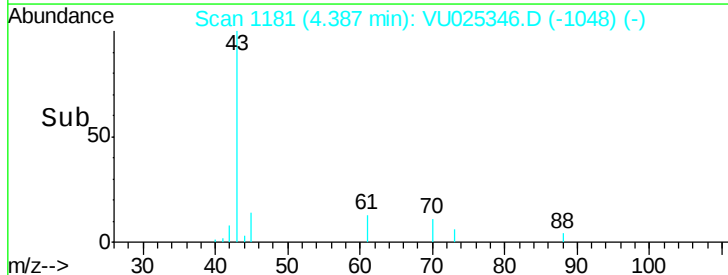
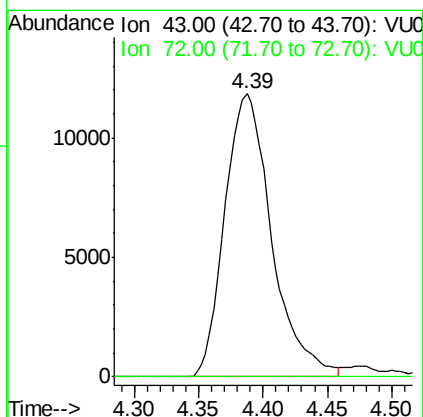
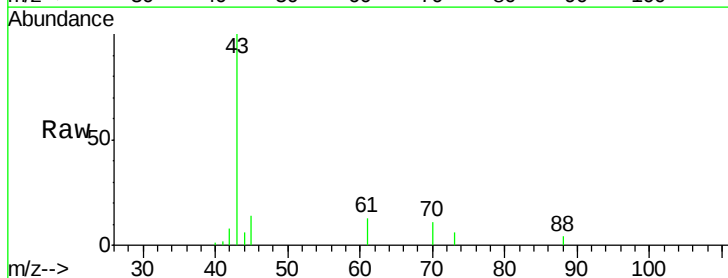
Instrument :
MSVOA_U
ClientSampleId :
GROUNDWATER

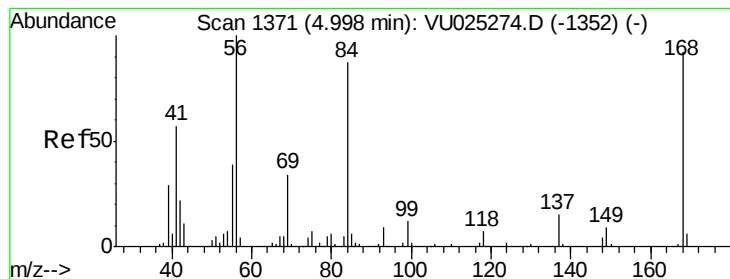
Tot Ion: 84 Resp: 146
Ion Ratio Lower Upper
84 100
49 51.5 101.8 152.6#
51 0.0 30.8 46.2#
86 59.1 51.9 77.9



#25
2-Butanone
Concen: 13.91 ug/l
RT: 4.39 min Scan# 1181
Delta R.T. 0.13 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

Tgt Ion: 43 Resp: 29955
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#





#31

Cyclohexane

Concen: 1.71 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

GROUNDWATER

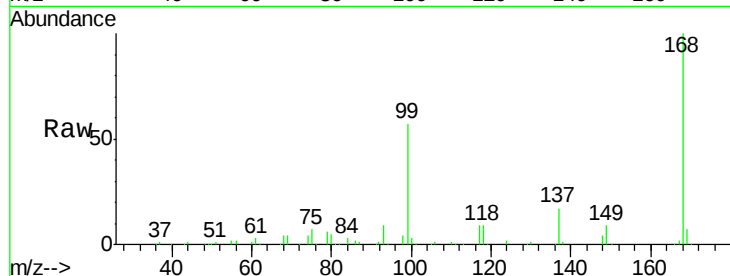
Tot Ion: 56 Resp: 3841

Ion Ratio Lower Upper

56 100

69 194.5 26.8 40.2#

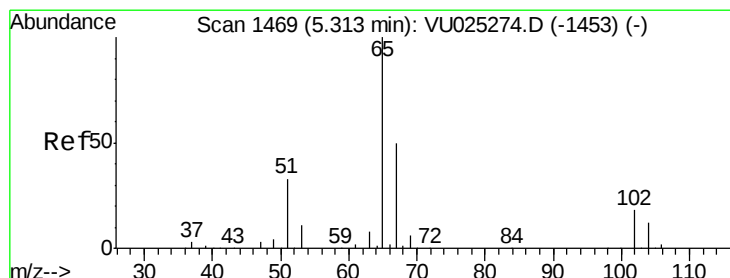
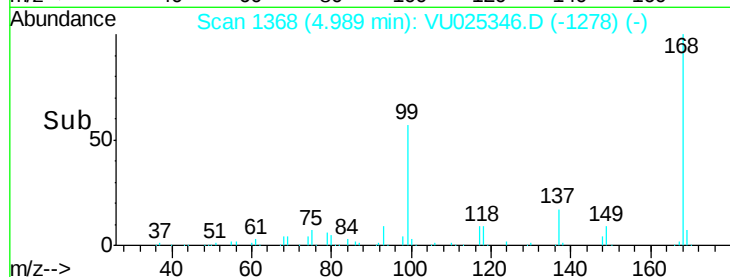
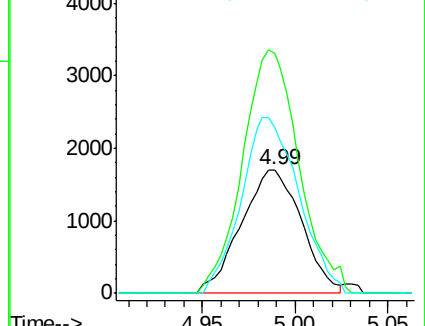
84 134.0 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 48.89 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025346.D

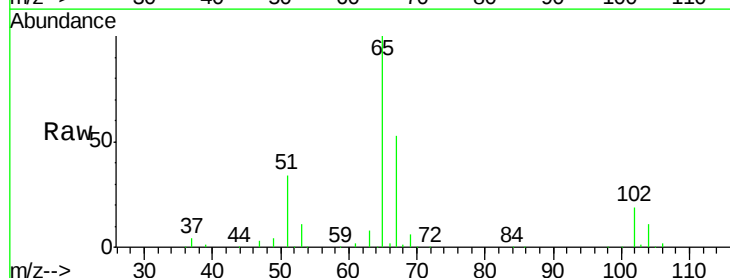
Acq: 12 Jul 2018 17:56

Tgt Ion: 65 Resp: 151949

Ion Ratio Lower Upper

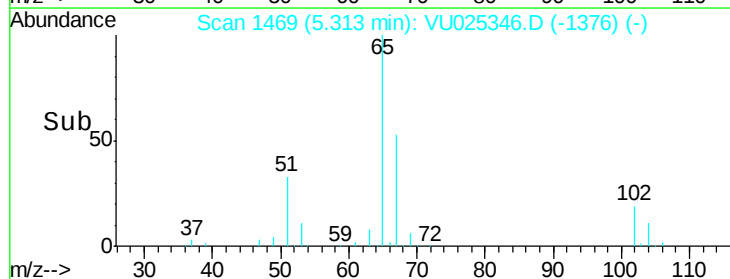
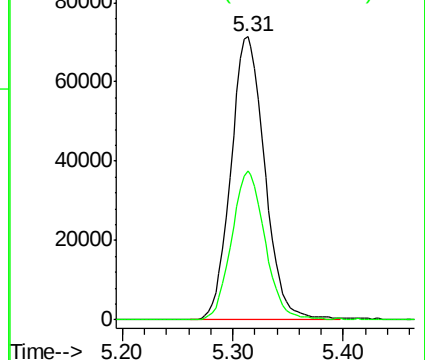
65 100

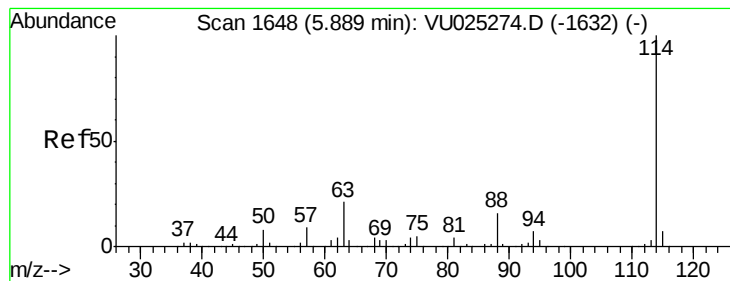
67 51.9 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

GROUNDWATER

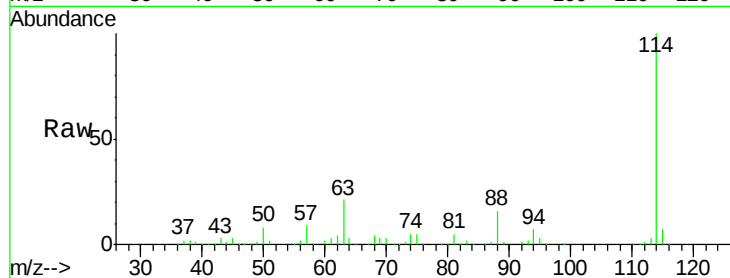
Tot Ion:114 Resp: 301481

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

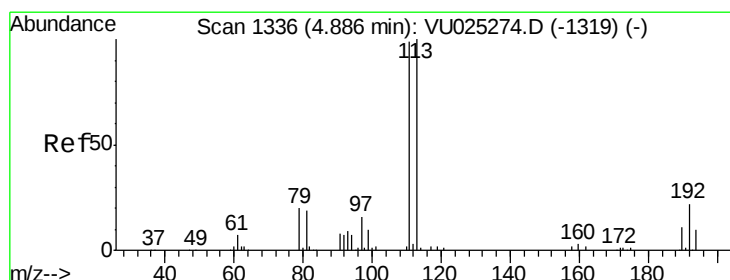
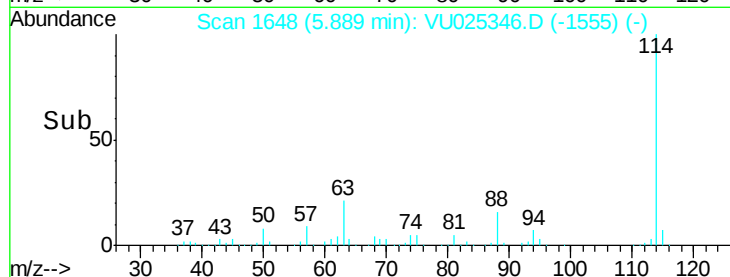
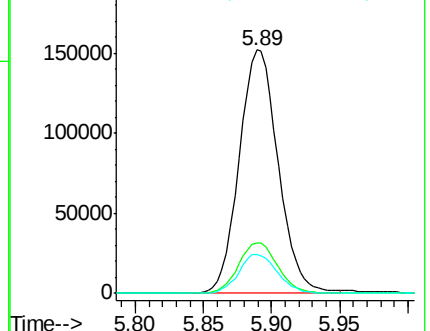
88 16.1 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.91 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

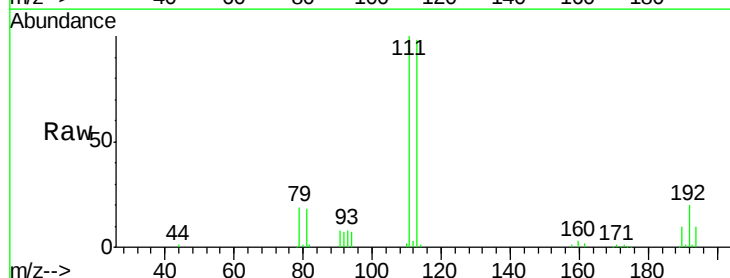
Tgt Ion:113 Resp: 119300

Ion Ratio Lower Upper

113 100

111 103.2 81.7 122.5

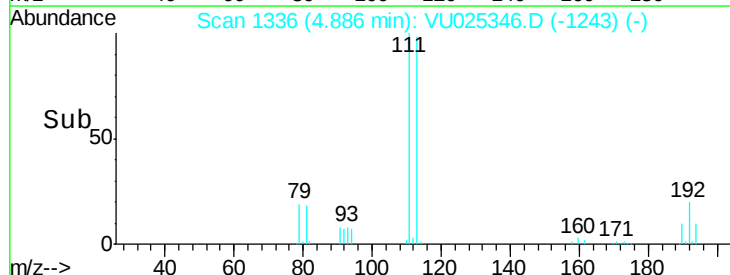
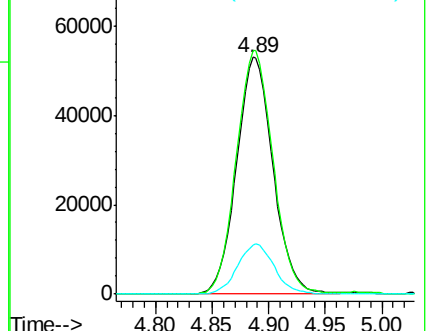
192 21.3 17.1 25.7

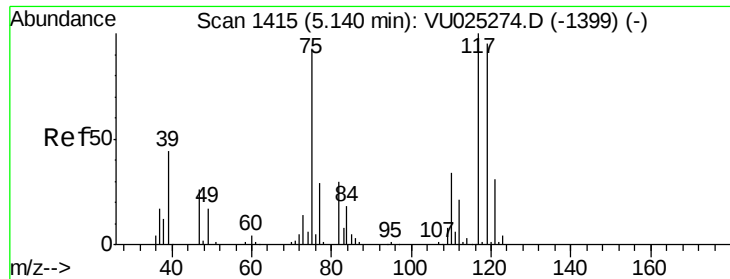


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

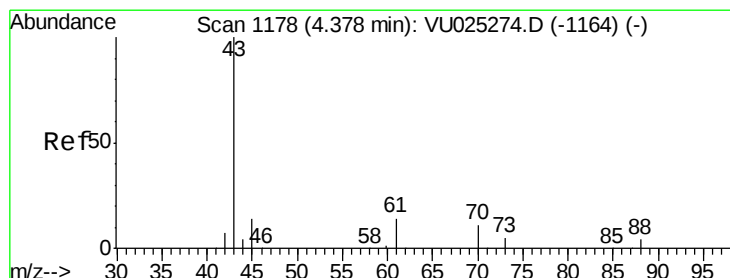
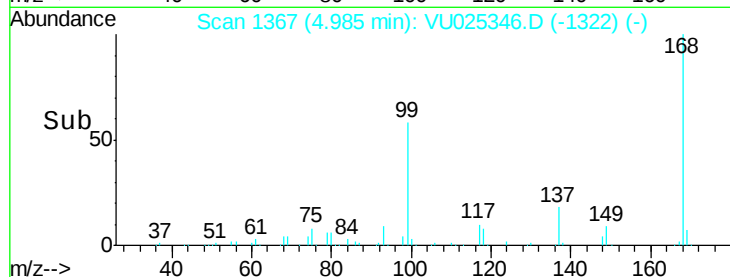
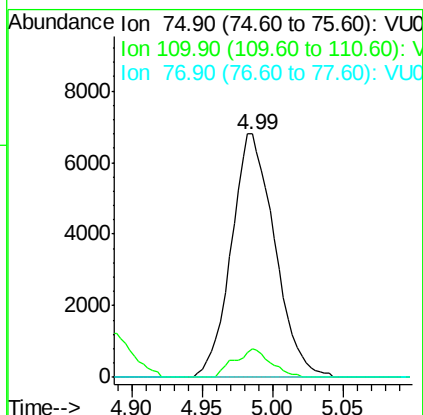
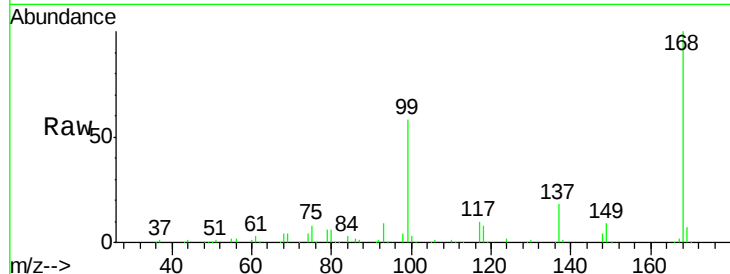




#36
 1,1-Dichloropropene
 Concen: 4.36 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025346.D
 Acq: 12 Jul 2018 17:56

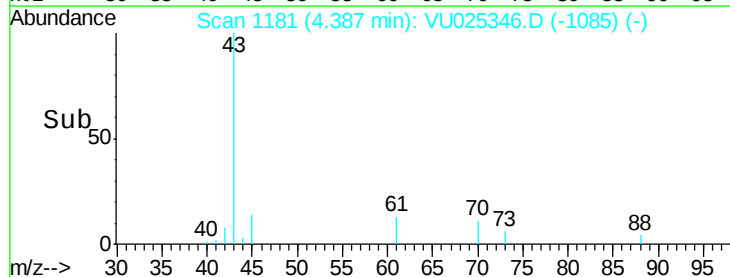
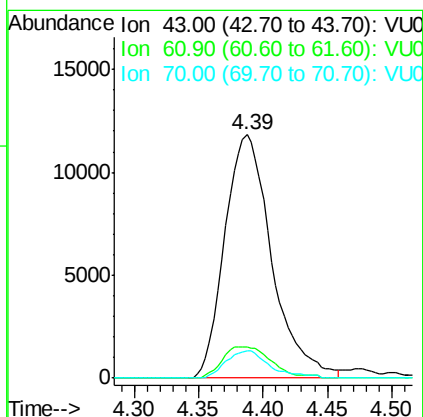
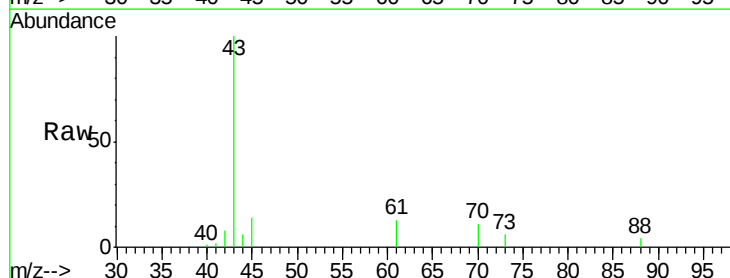
Instrument :
 MSVOA_U
 ClientSampleId :
 GROUNDWATER

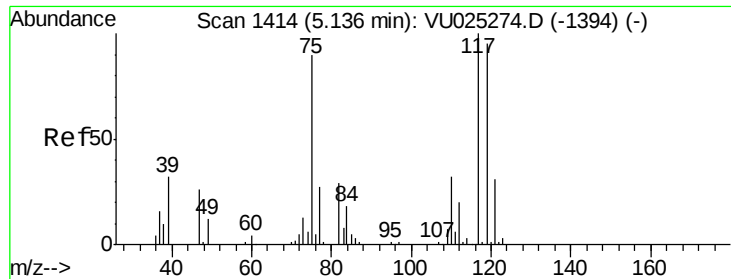
Tot Ion: 75 Resp: 14603
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.6 52.9#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 8.01 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





#38

Carbon Tetrachloride

Concen: 5.38 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

GROUNDWATER

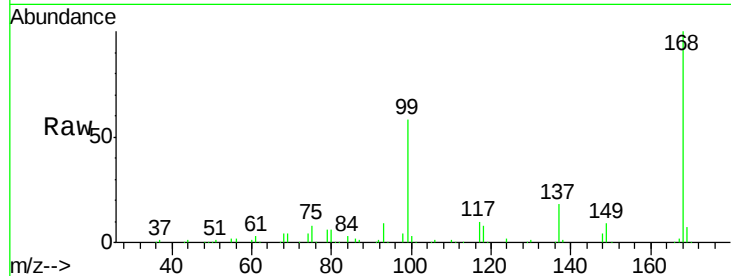
Tot Ion:117 Resp: 19416

Ion Ratio Lower Upper

117 100

119 3.3 75.7 113.5#

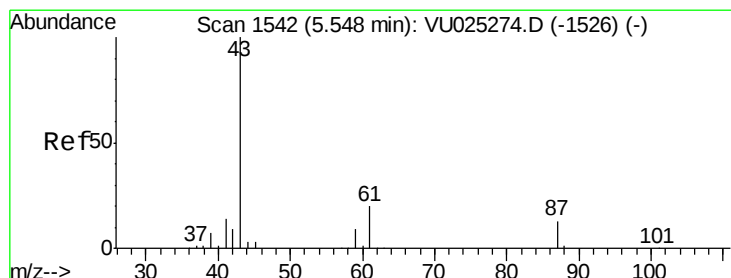
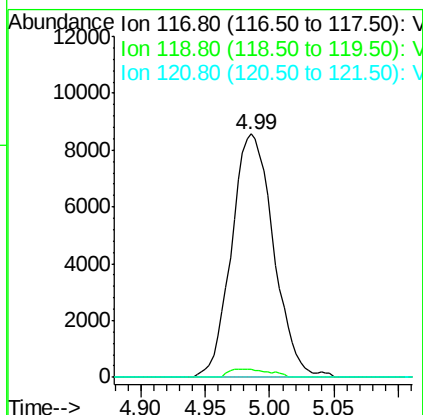
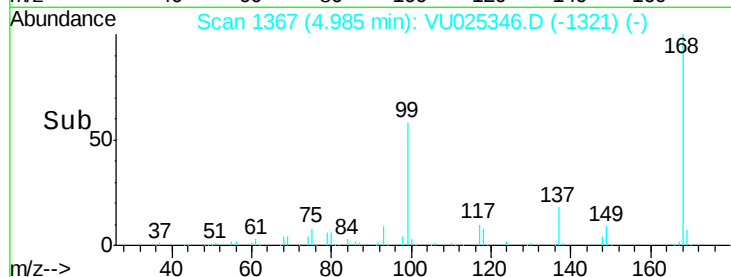
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 0.23 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

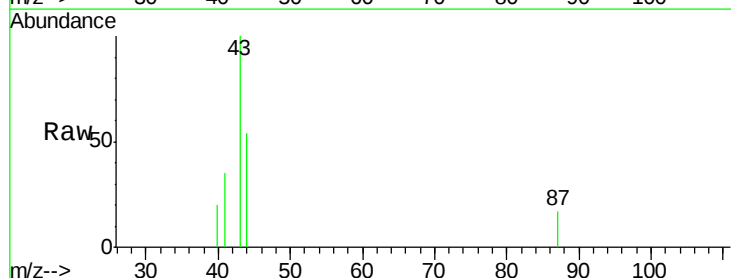
Tgt Ion: 43 Resp: 1380

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

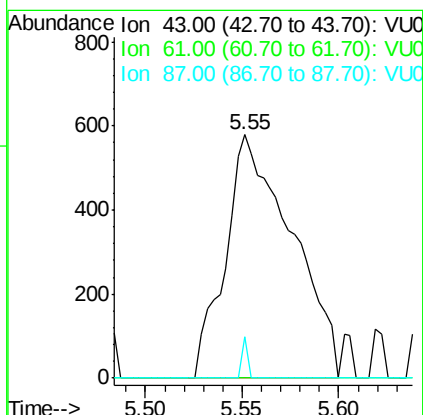
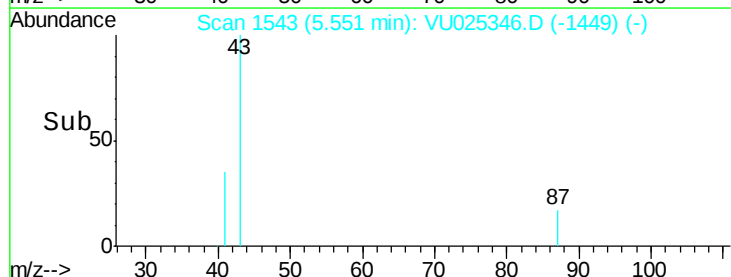
87 1.4 10.6 16.0#

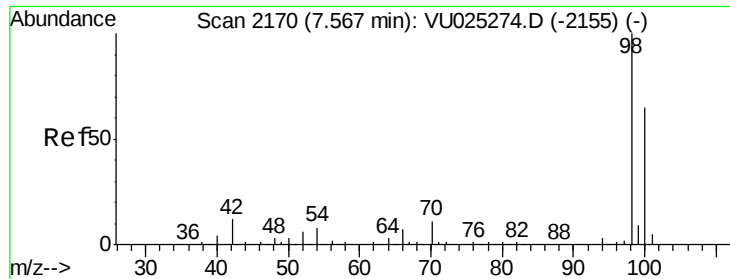


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#50

Toluene-d8

Concen: 50.02 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 :

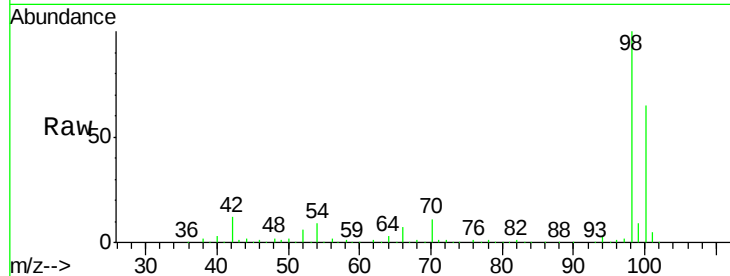
GROUNDWATER

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): VU025274.D (-2155) (-)

Ion 100.00 (99.70 to 100.70): VU025274.D (-2155) (-)

7.57

250000

200000

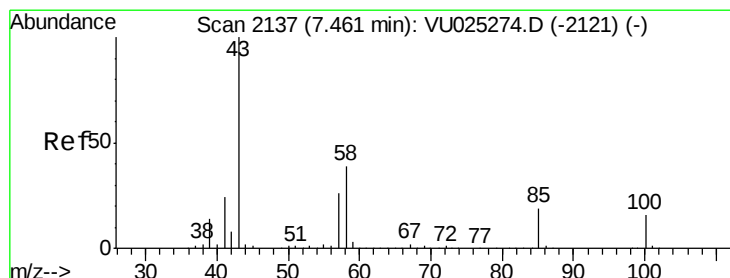
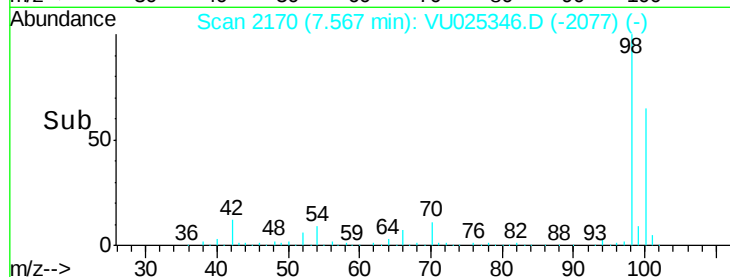
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.88 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025346.D

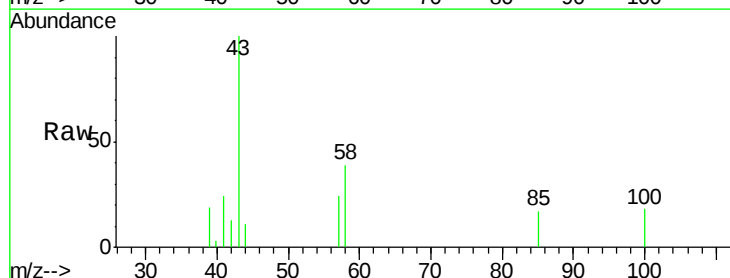
Acq: 12 Jul 2018 17:56

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): VU025274.D (-2121) (-)

Ion 58.00 (57.70 to 58.70): VU025274.D (-2121) (-)

7.46

4000

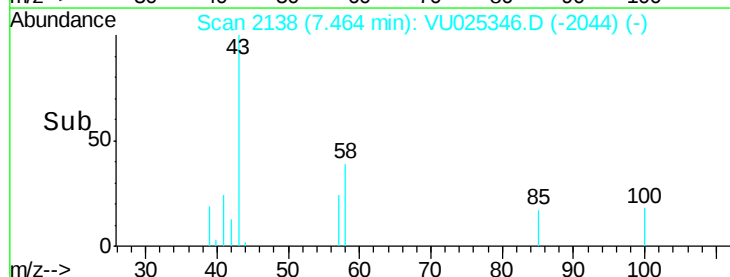
3000

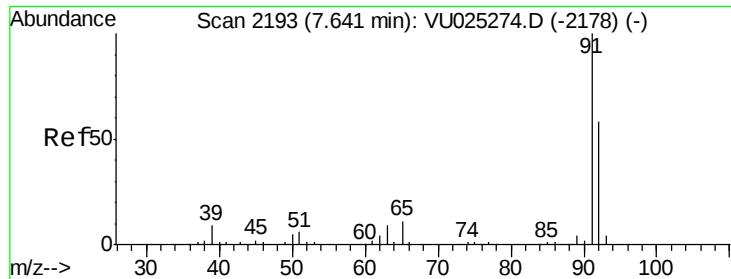
2000

1000

0

Time-->





#52

Toluene

Concen: 0.58 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 :

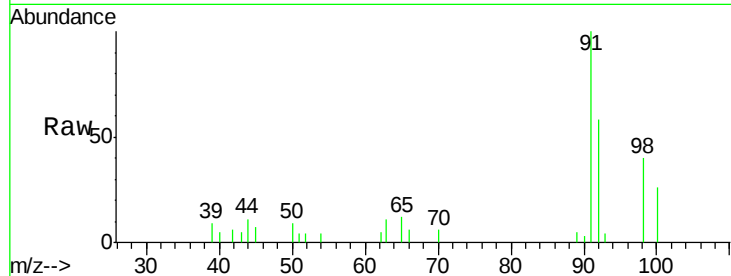
GROUNDWATER

Tot Ion: 92 Resp: 3552

Ion Ratio Lower Upper

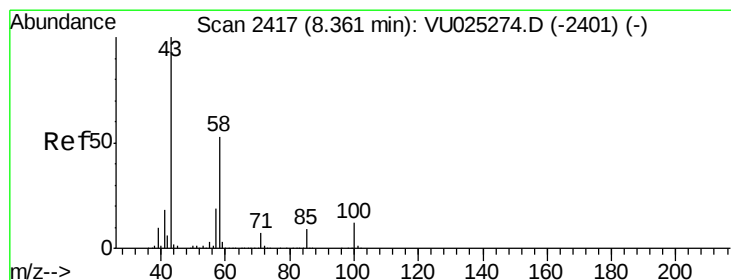
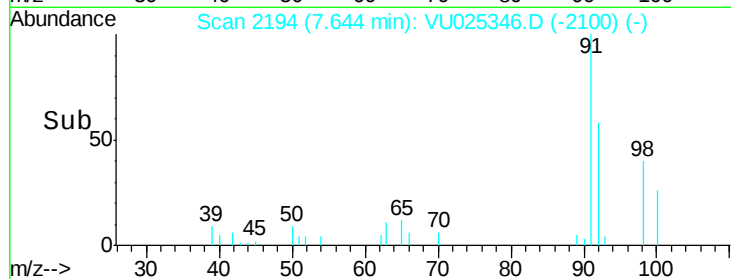
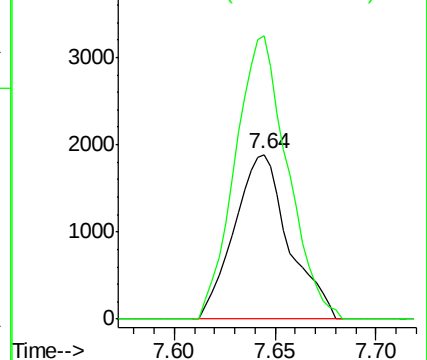
92 100

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



#59

2-Hexanone

Concen: 0.56 ug/l

RT: 8.17 min Scan# 2356

Delta R.T. -0.20 min

Lab File: VU025346.D

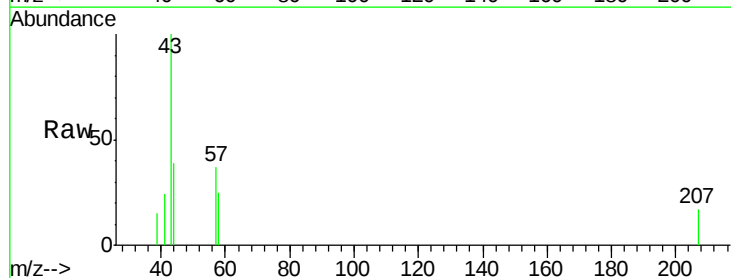
Acq: 12 Jul 2018 17:56

Tgt Ion: 43 Resp: 1760

Ion Ratio Lower Upper

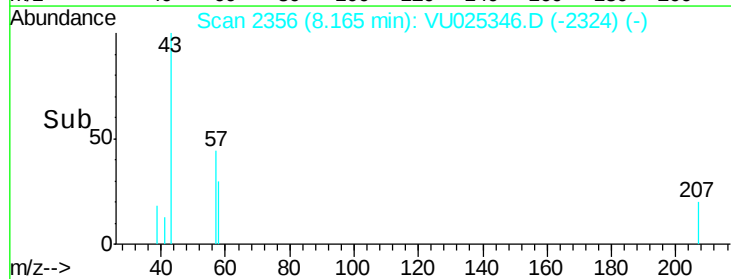
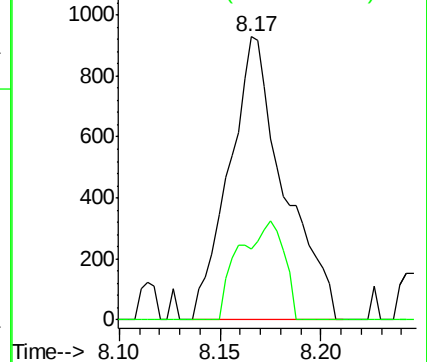
43 100

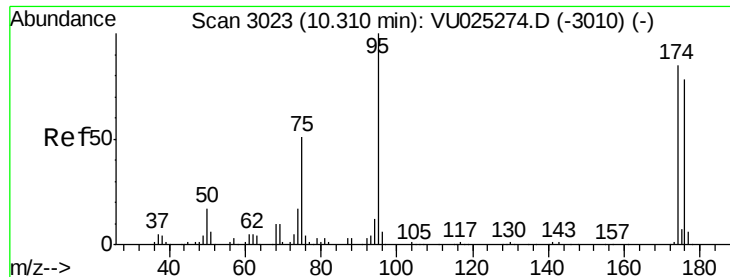
58 28.7 26.2 78.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#62

4-Bromofluorobenzene

Concen: 45.49 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

GROUNDWATER

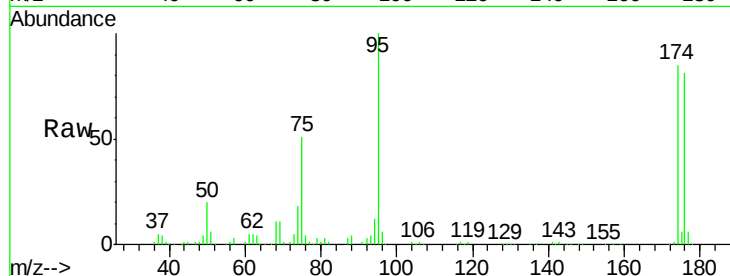
Tot Ion: 95 Resp: 159497

Ion Ratio Lower Upper

95 100

174 85.1 0.0 172.2

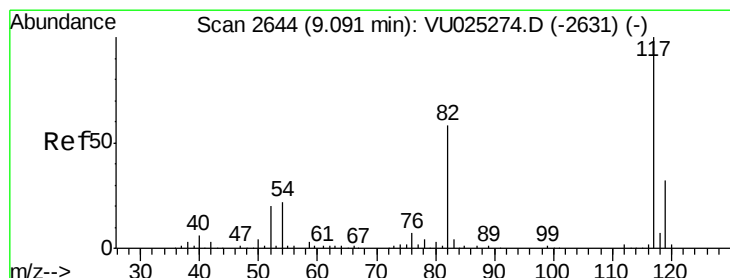
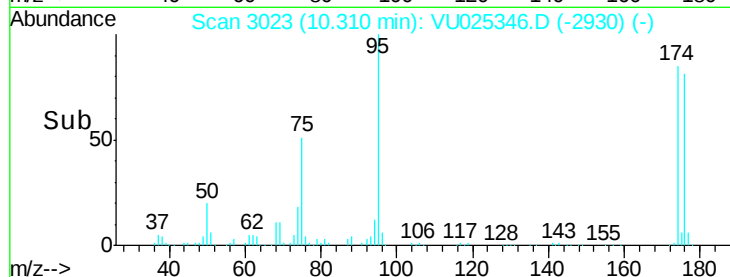
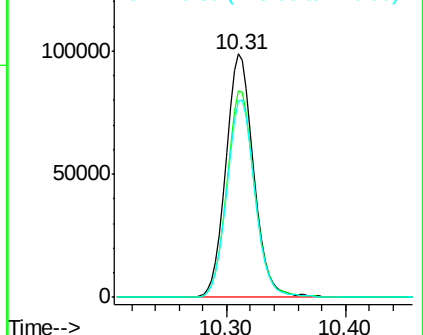
176 82.0 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025274.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025274.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025274.D (-3010) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

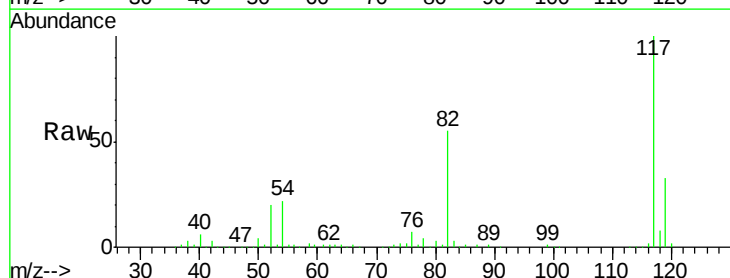
Tgt Ion: 117 Resp: 279603

Ion Ratio Lower Upper

117 100

82 55.4 46.0 69.0

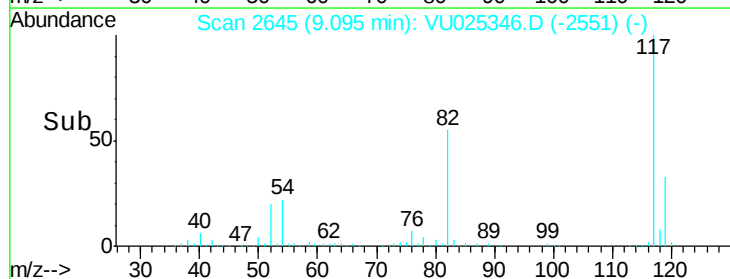
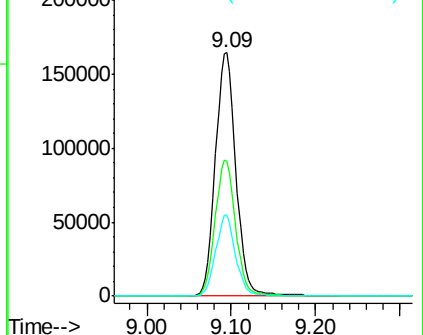
119 33.3 26.0 39.0

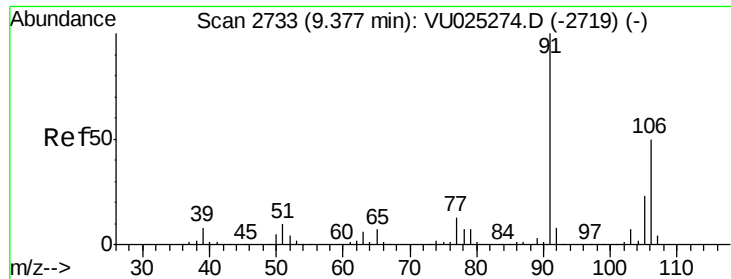


Abundance Ion 116.90 (116.60 to 117.60): VU025274.D (-2631) (-)

Ion 82.00 (81.70 to 82.70): VU025274.D (-2631) (-)

Ion 118.90 (118.60 to 119.60): VU025274.D (-2631) (-)

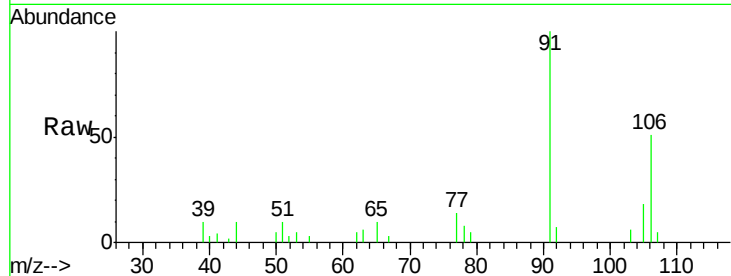




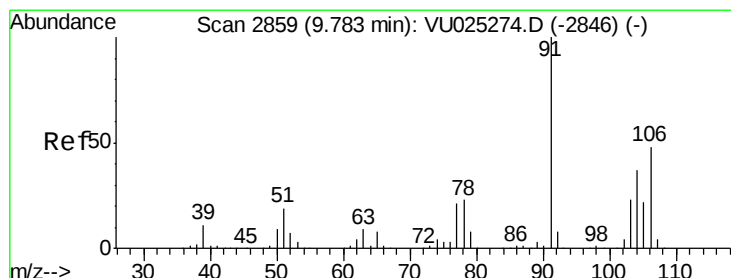
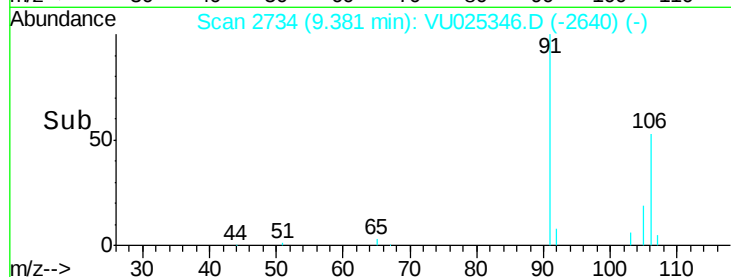
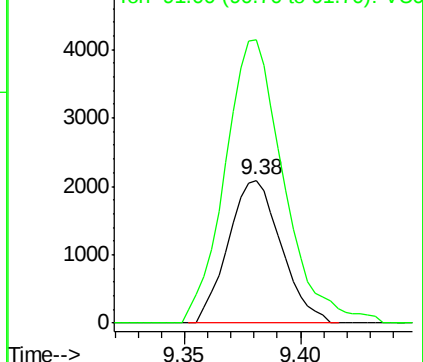
#68
m/p-Xylenes
Concen: 0.72 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

Instrument :
MSVOA_U
ClientSampleId :
GROUNDWATER

Tot Ion:106 Resp: 3326
Ion Ratio Lower Upper
106 100
91 219.3 162.3 243.5

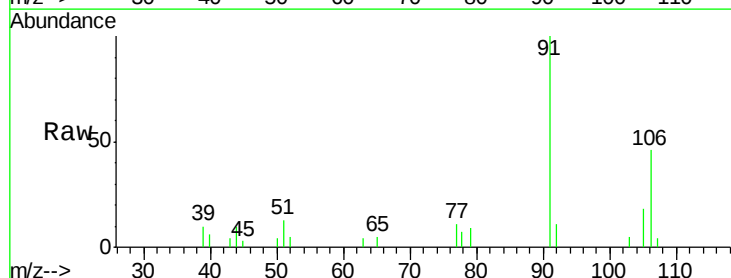


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

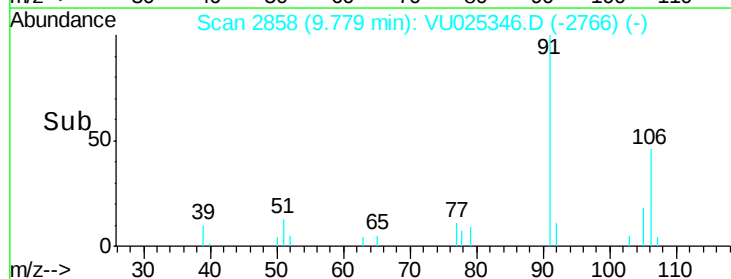
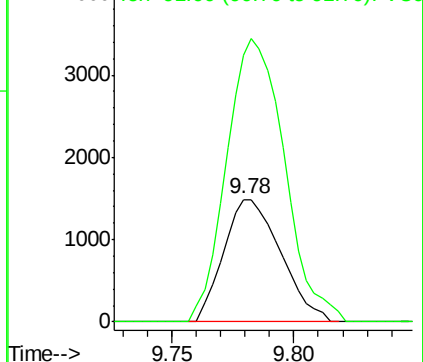


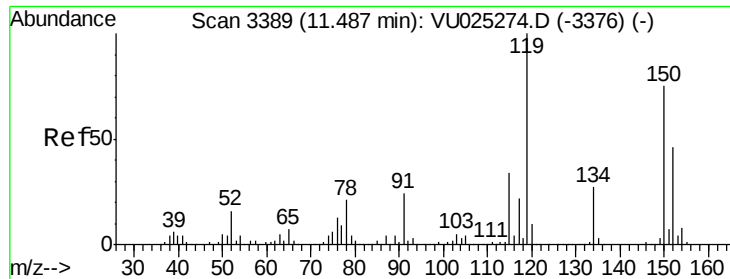
#69
o-Xylene
Concen: 0.53 ug/l
RT: 9.78 min Scan# 2858
Delta R.T. -0.00 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

Tgt 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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

GROUNDWATER

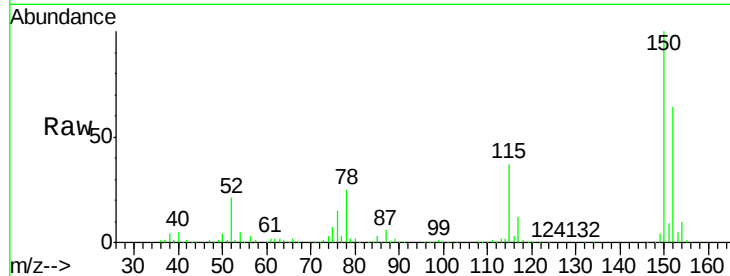
Tot Ion:152 Resp: 148035

Ion Ratio Lower Upper

152 100

115 57.7 40.1 120.3

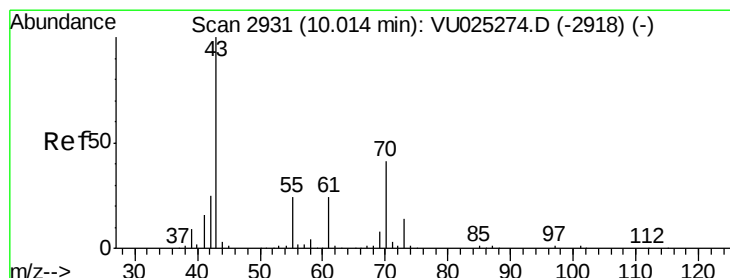
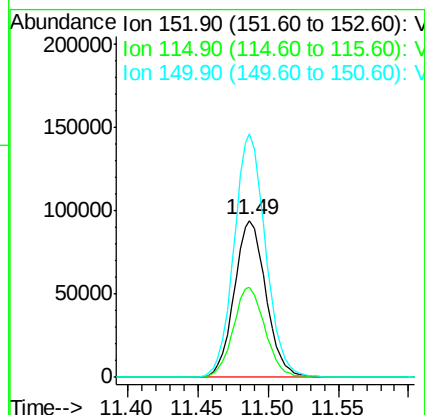
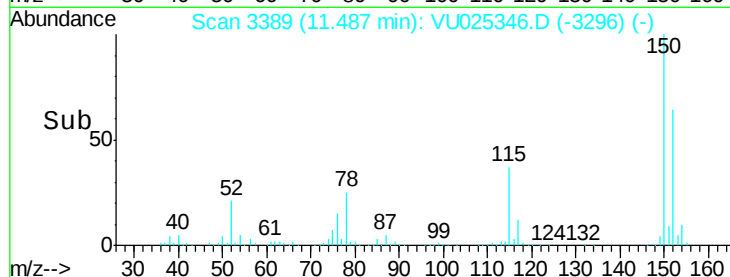
150 154.9 0.0 351.4



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



#74

N-ethyl acetate

Concen: 2.15 ug/l

RT: 9.93 min Scan# 2904

Delta R.T. -0.09 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Tgt Ion: 43 Resp: 4181

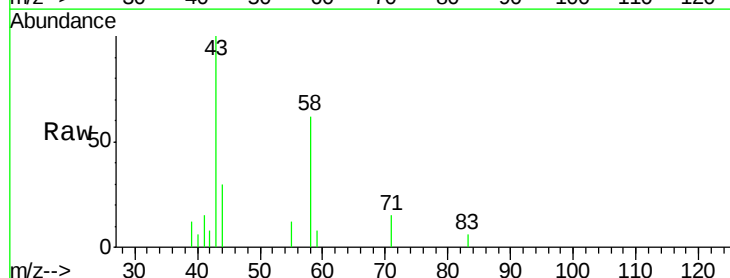
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 7.9 19.0 28.6#

61 0.0 19.3 28.9#

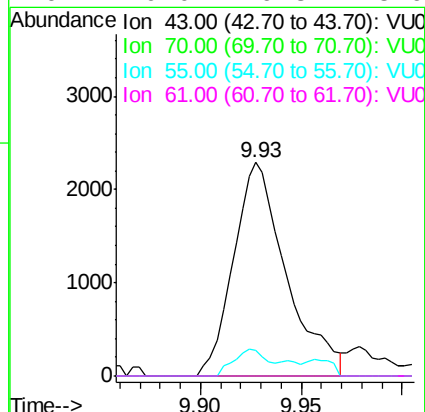
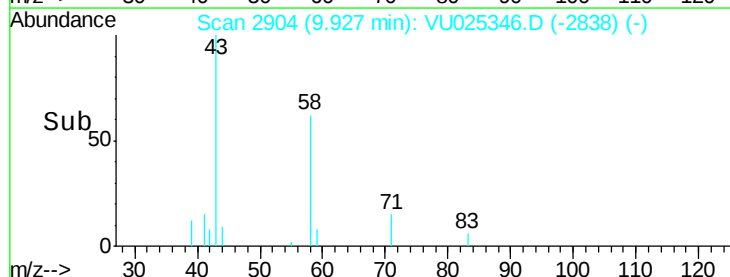


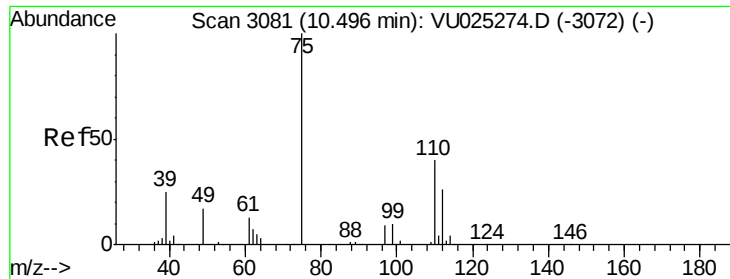
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

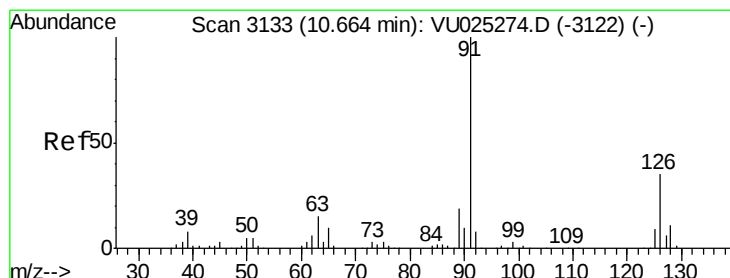
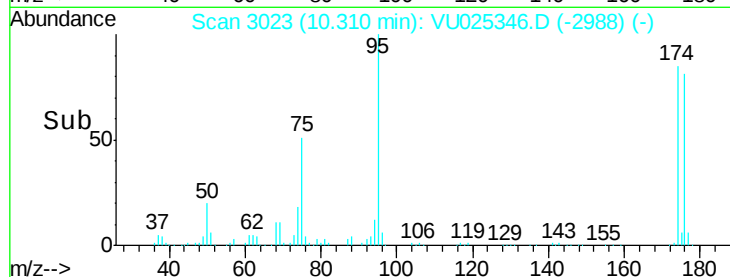
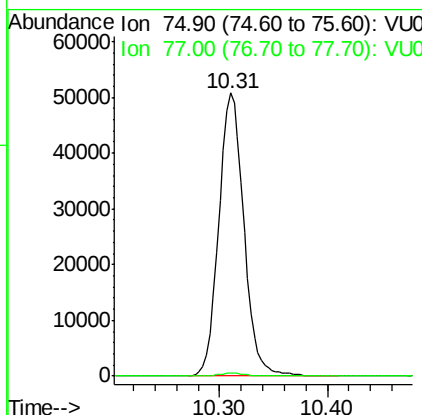
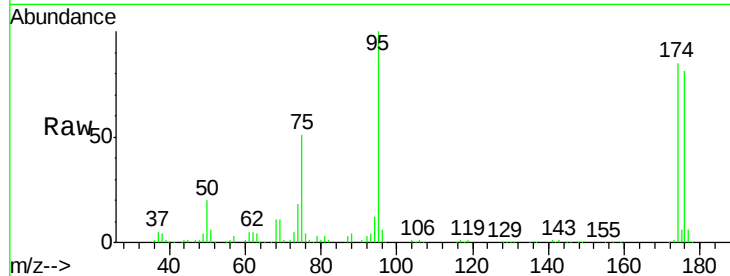




#76
 1,2,3-Trichloropropane
 Concen: 27.30 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025346.D
 Acq: 12 Jul 2018 17:56

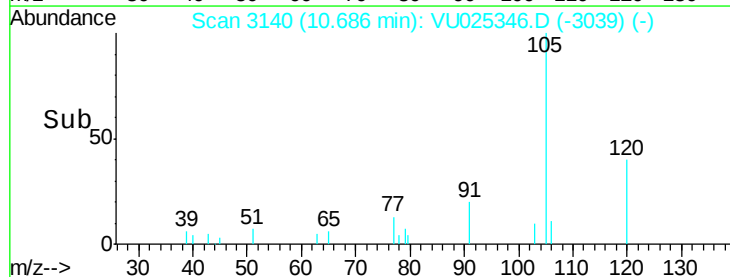
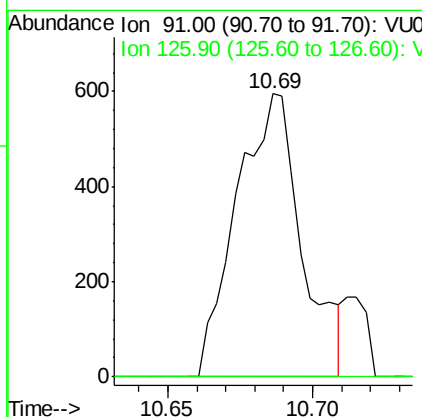
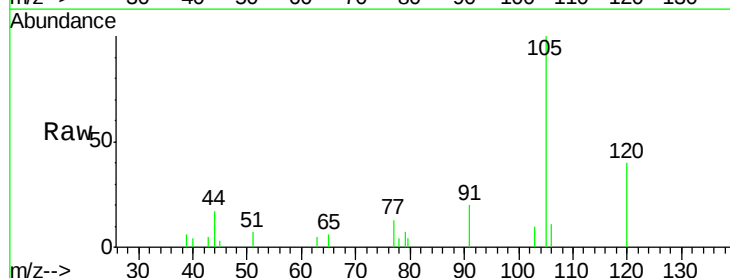
Instrument :
 MSVOA_U
 ClientSampleId :
 GROUNDWATER

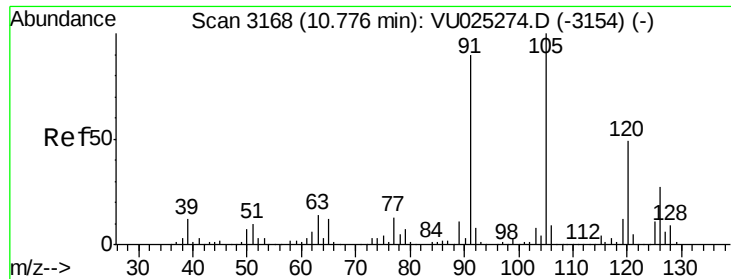
Tot Ion: 75 Resp: 82168
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.4 61.3#



#79
 2-Chlorotoluene
 Concen: 0.27 ug/l
 RT: 10.69 min Scan# 3140
 Delta R.T. 0.02 min
 Lab File: VU025346.D
 Acq: 12 Jul 2018 17:56

Tgt Ion: 91 Resp: 932
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.5 52.6#

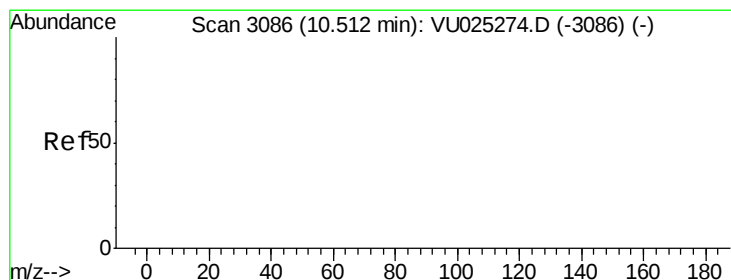
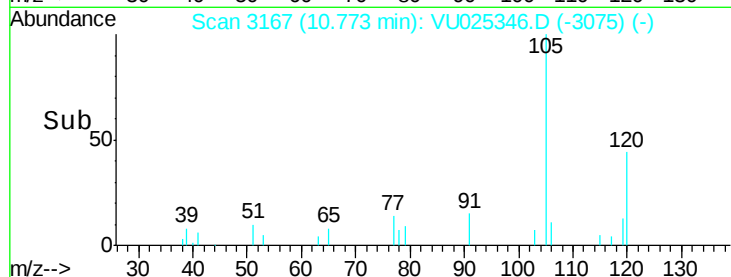
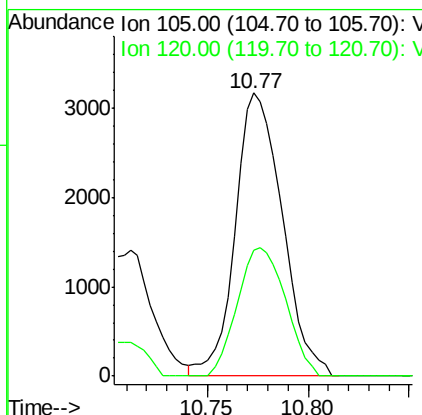
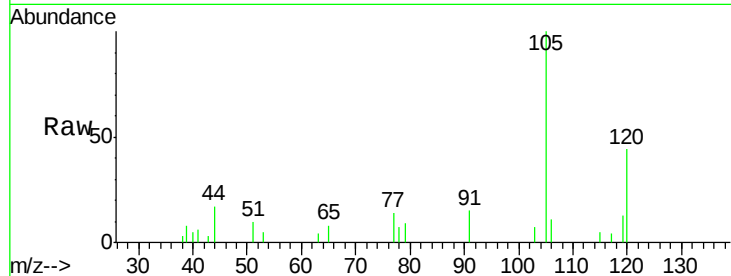




#80
 1,3,5-Trimethylbenzene
 Concen: 0.54 ug/l
 RT: 10.77 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: VU025346.D
 Acq: 12 Jul 2018 17:56

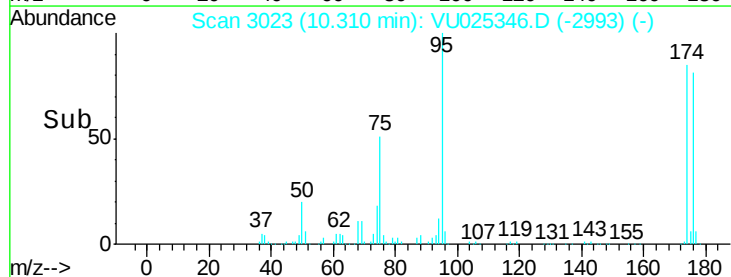
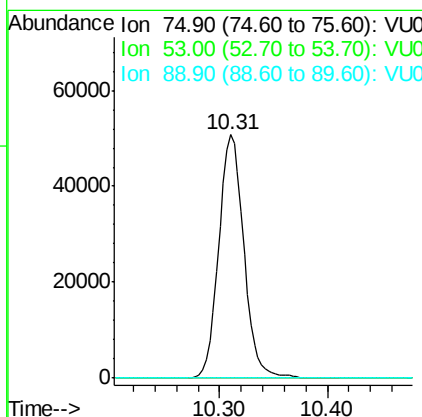
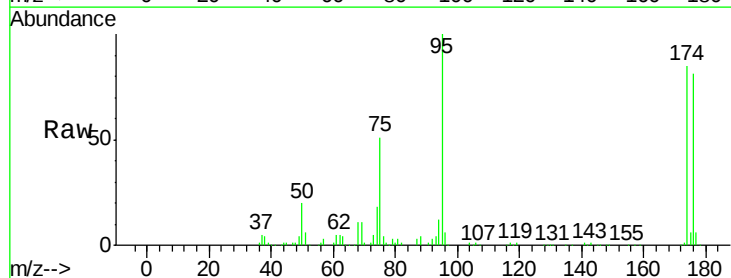
Instrument :
 MSVOA_U
 ClientSampleId :
 GROUNDWATER

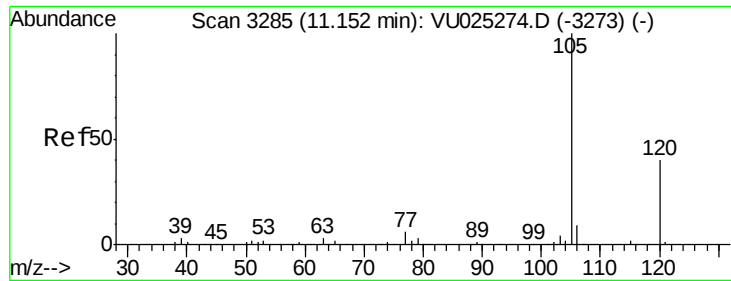
Tot Ion:105 Resp: 5177
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.67 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025346.D
 Acq: 12 Jul 2018 17:56

Tgt Ion: 75 Resp: 82168
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

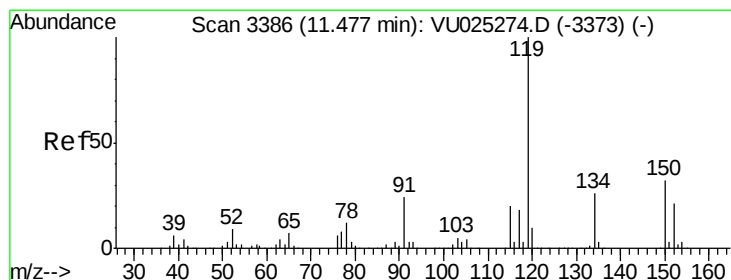
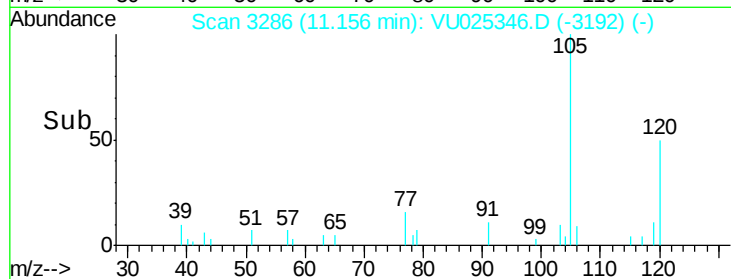
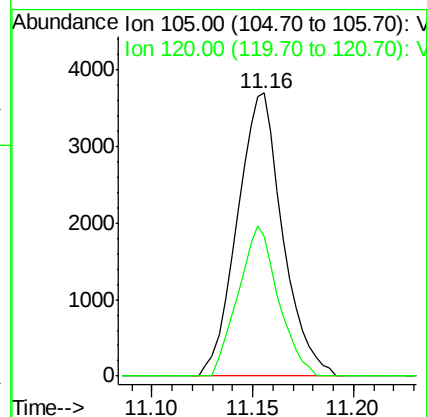
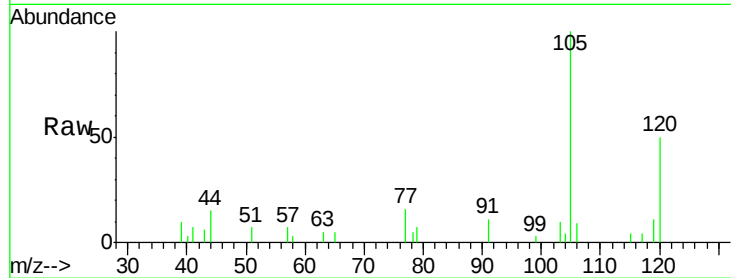




#84
 1,2,4-Trimethylbenzene
 Concen: 0.60 ug/l
 RT: 11.16 min Scan# 3286
 Delta R.T. 0.00 min
 Lab File: VU025346.D
 Acq: 12 Jul 2018 17:56

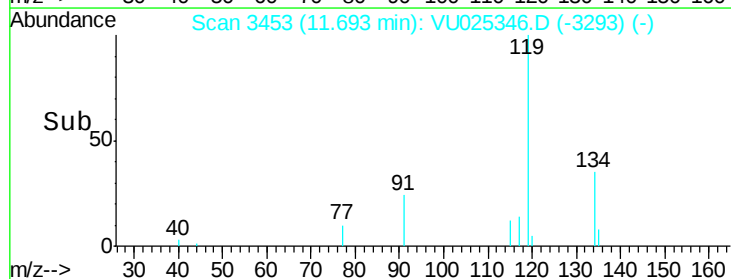
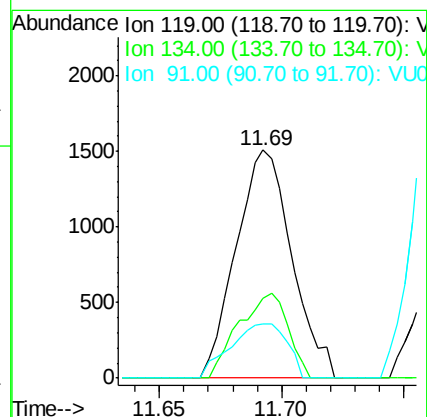
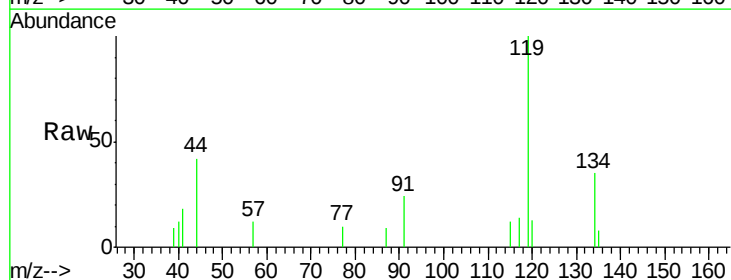
Instrument :
 MSVOA_U
 ClientSampleId :
 GROUNDWATER

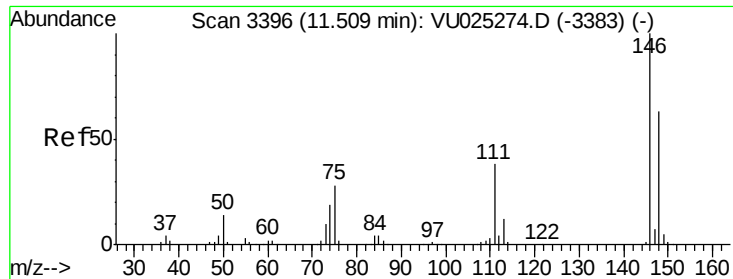
Tot Ion:105 Resp: 5823
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.3 66.8



#86
 p-Isopropyltoluene
 Concen: 0.24 ug/l
 RT: 11.69 min Scan# 3453
 Delta R.T. 0.22 min
 Lab File: VU025346.D
 Acq: 12 Jul 2018 17:56

Tgt Ion:119 Resp: 2386
 Ion Ratio Lower Upper
 119 100
 134 33.0 13.2 39.5
 91 24.2 12.0 36.1





#88

1,4-Dichlorobenzene

Concen: 1.53 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

GROUNDWATER

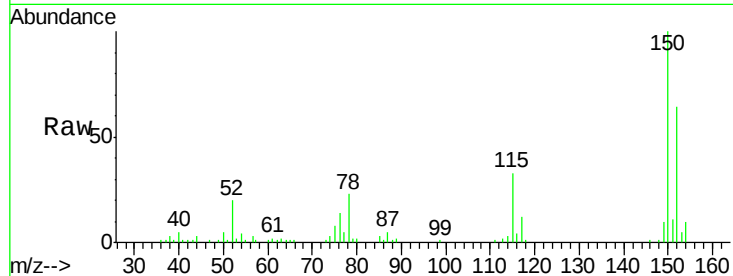
Tot Ion:146 Resp: 211

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.1#

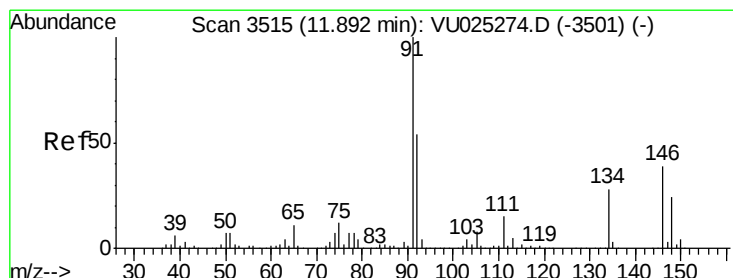
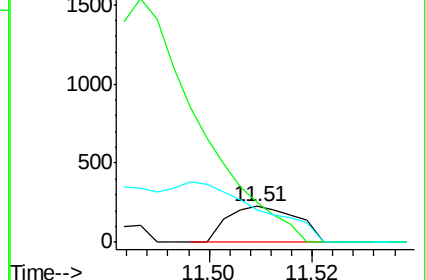
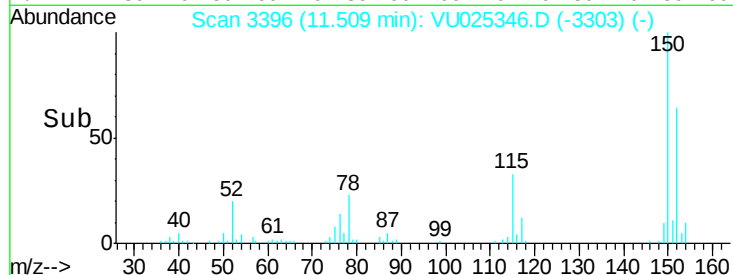
148 0.0 31.7 95.1#



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



#89

n-Butylbenzene

Concen: 0.25 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. -0.01 min

Lab File: VU025346.D

Acq: 12 Jul 2018 17:56

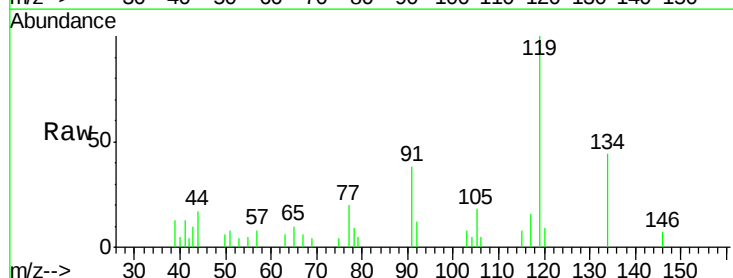
Tgt Ion: 91 Resp: 2040

Ion Ratio Lower Upper

91 100

92 28.2 26.5 79.5

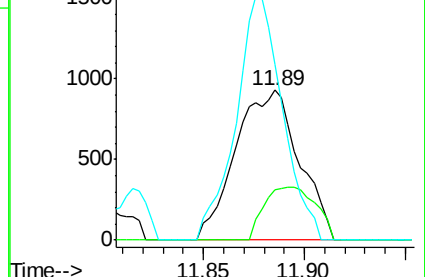
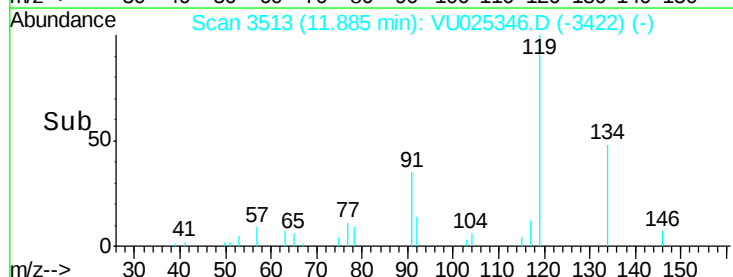
134 119.5 13.6 40.7#

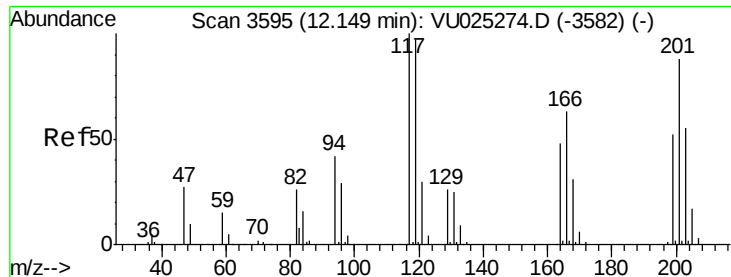


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

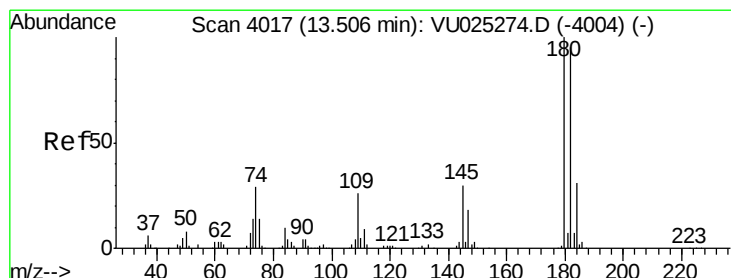
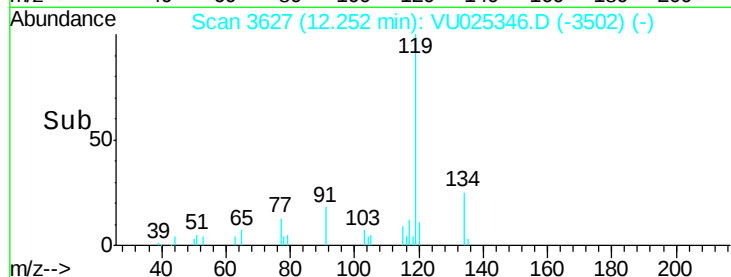
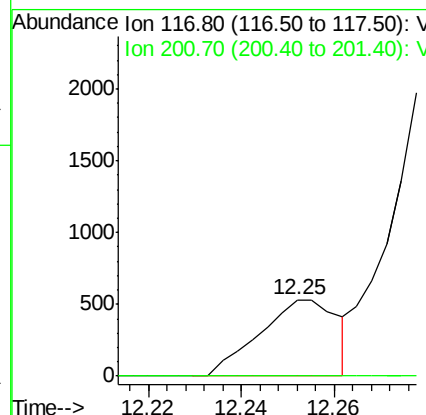
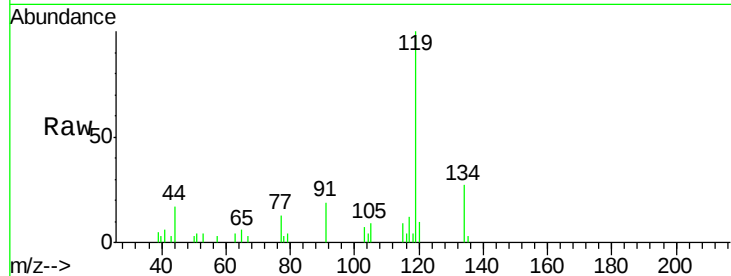




#90
Hexachloroethane
Concen: 0.37 ug/l
RT: 12.25 min Scan# 3627
Delta R.T. 0.10 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

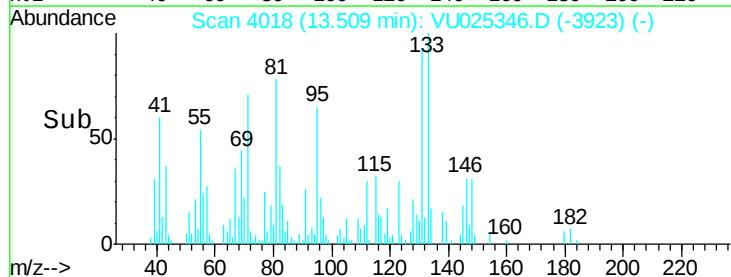
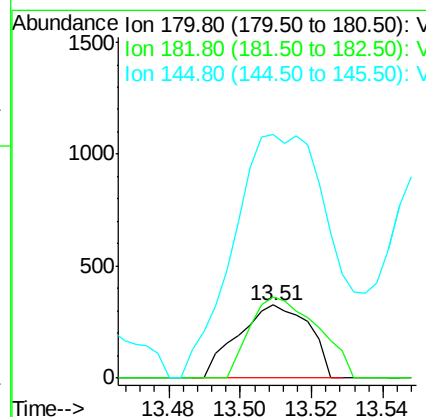
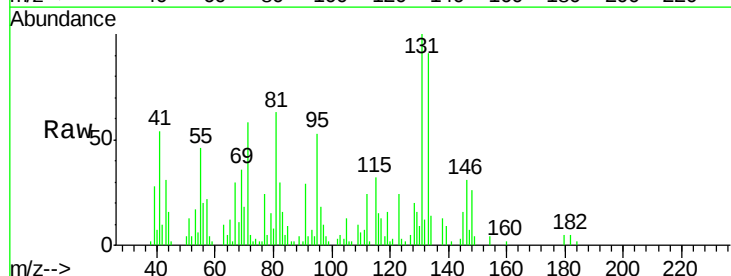
Instrument :
MSVOA_U
ClientSampleId :
GROUNDWATER

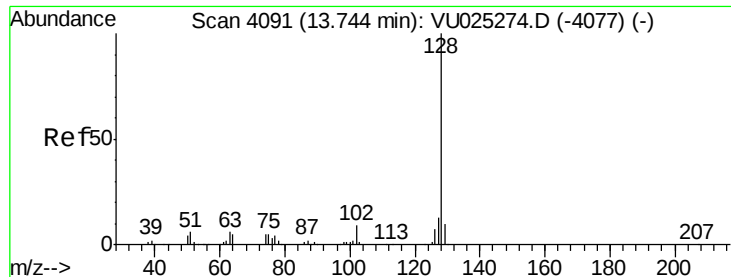
Tot Ion:117 Resp: 625
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#



#93
1,2,4-Trichlorobenzene
Concen: 3.40 ug/l
RT: 13.51 min Scan# 4018
Delta R.T. 0.00 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

Tgt Ion:180 Resp: 449
Ion Ratio Lower Upper
180 100
182 106.0 47.3 141.9
145 466.8 14.9 44.7#

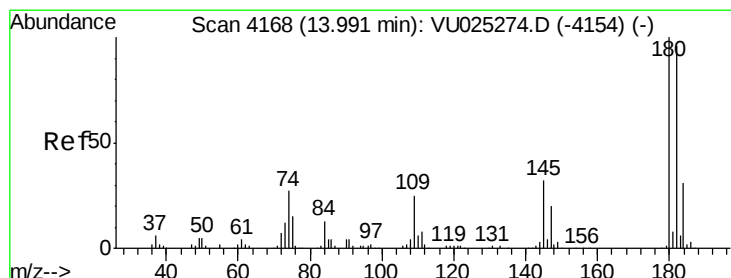
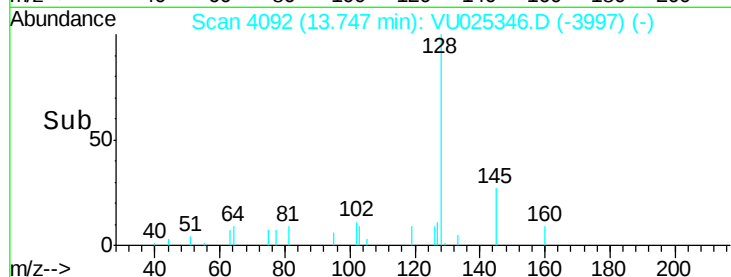
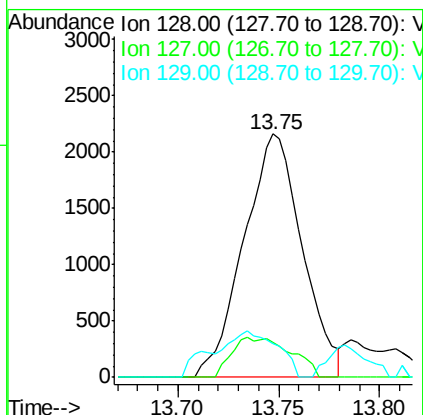
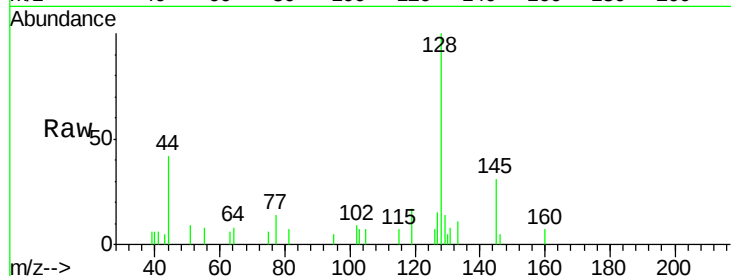




#95
Naphthalene
Concen: 2.79 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

Instrument :
MSVOA_U
ClientSampleId :
GROUNDWATER

Tot Ion:128 Resp: 4359
Ion Ratio Lower Upper
128 100
127 16.6 10.5 15.7#
129 16.4 8.3 12.5#



#96
1,2,3-Trichlorobenzene
Concen: 2.71 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025346.D
Acq: 12 Jul 2018 17:56

Tgt Ion:180 Resp: 709
Ion Ratio Lower Upper
180 100
182 66.9 47.8 143.3
145 0.0 15.6 46.8#

