

Data File : VU027078.D
Acq On : 23 Sep 2018 17:38
Operator : MD/SY
Sample : J4980-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 120 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BP-FW-MW02-20180916

Quant Time: Sep 24 07:15:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	94250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	158255	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	153102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	97581	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	4.89	113	67210	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	7.57	98	256874	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	10.31	95	83181	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds

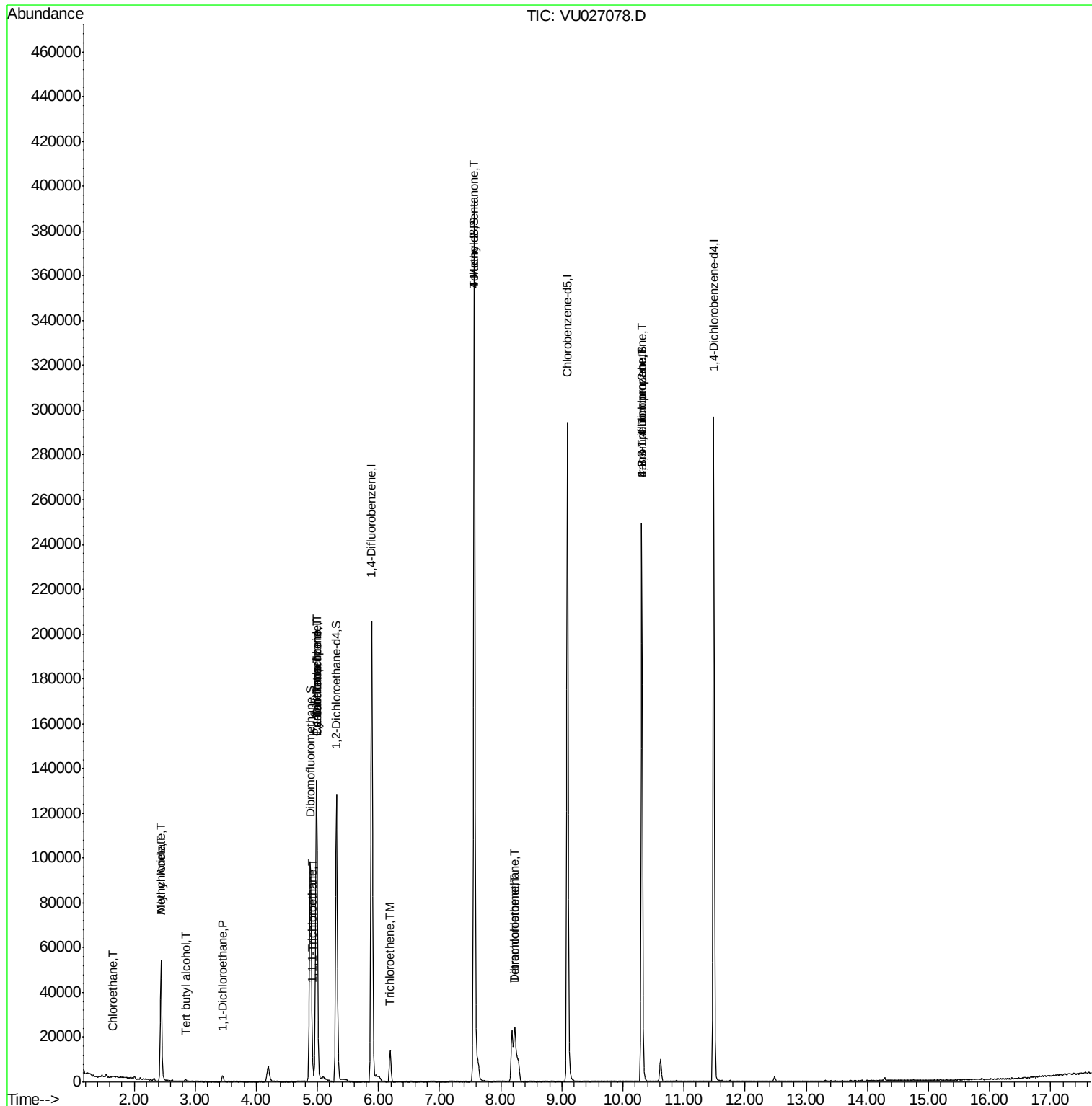
						Qvalue
6) Chloroethane	1.65	64	342	0.270	ug/l #	43
11) Tert butyl alcohol	2.83	59	514	1.182	ug/l #	72
14) Allyl chloride	2.44	41	5466	2.070	ug/l #	76
16) Acetone	2.32	43	1700	Below Cal		95
18) Methyl Acetate	2.44	43	13698	5.073	ug/l #	55
24) 1,1-Dichloroethane	3.46	63	3483	1.120	ug/l #	84
31) Cyclohexane	4.99	56	2628	0.359	ug/l #	1
32) 1,1,1-Trichloroethane	4.92	97	3201	1.389	ug/l	95
36) 1,1-Dichloropropene	4.99	75	8639	4.090	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9735	4.843	ug/l #	18
44) Trichloroethene	6.19	130	4495	3.288	ug/l	87
51) 4-Methyl-2-Pentanone	7.57	43	1238	0.441	ug/l #	1
60) Dibromochloromethane	8.23	129	2684	1.755	ug/l #	11
64) Tetrachloroethene	8.23	164	2918	2.473	ug/l	94
76) 1,2,3-Trichloropropane	10.31	75	44998	20.987	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	44998	67.162	ug/l #	100

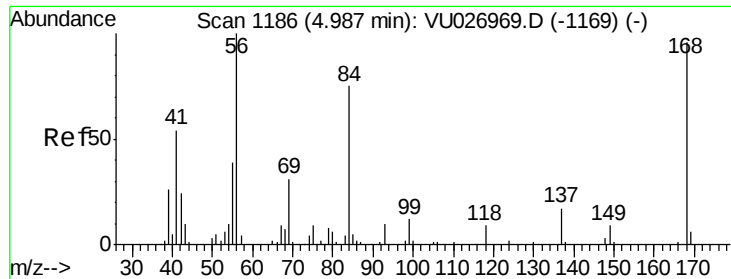
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027078.D

Acq: 23 Sep 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

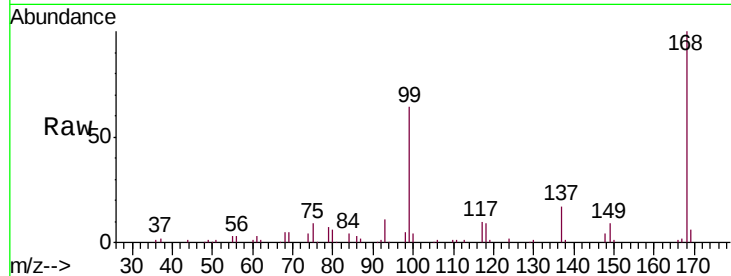
BP-FW-MW02-20180916

Tgt Ion:168 Resp: 94250

Ion Ratio Lower Upper

168 100

99 62.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

40000

30000

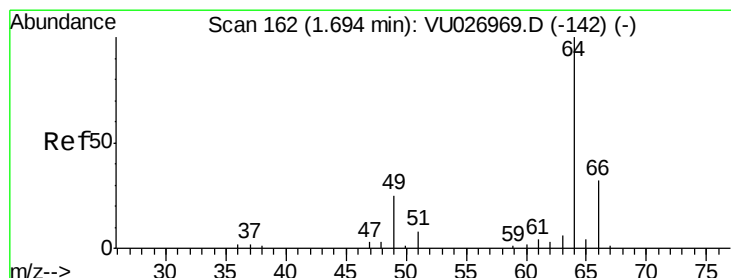
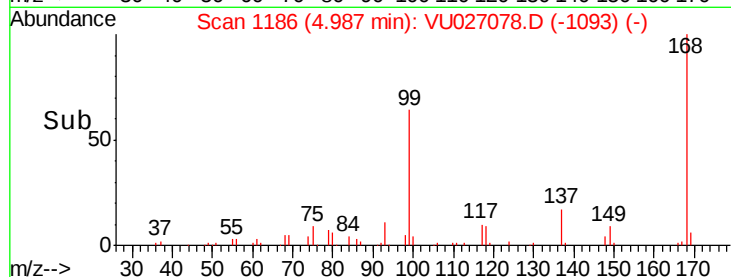
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#6

Chloroethane

Concen: 0.270 ug/l

RT: 1.65 min Scan# 147

Delta R.T. -0.05 min

Lab File: VU027078.D

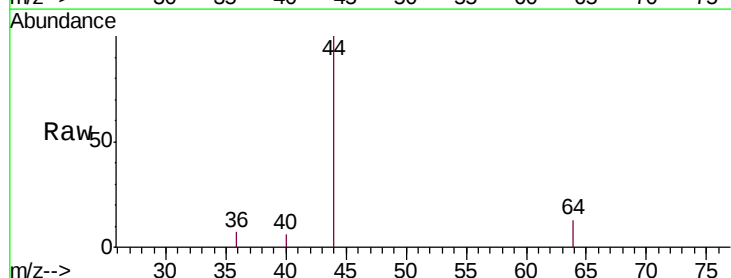
Acq: 23 Sep 2018 17:38

Tgt Ion: 64 Resp: 342

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.65

300

250

200

150

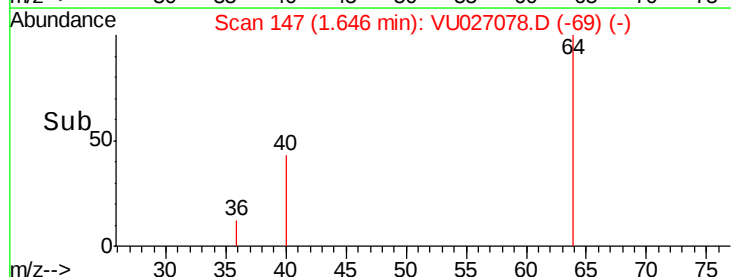
100

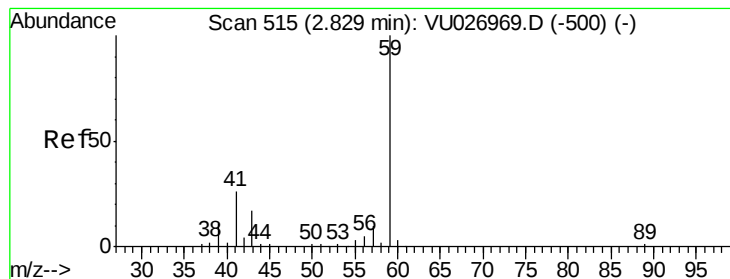
50

0

1.58 1.60 1.62 1.64 1.66

Time-->



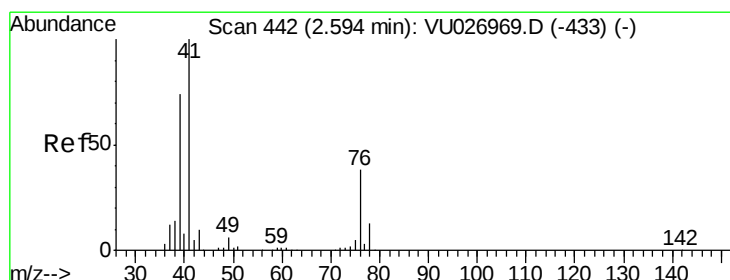
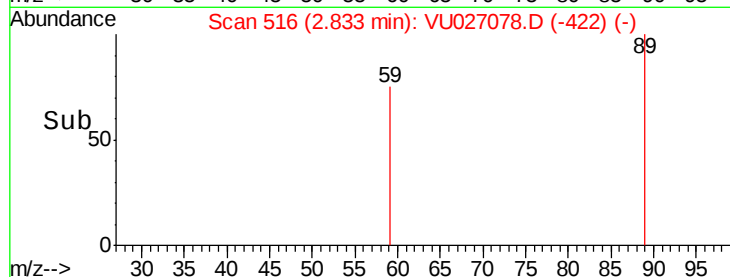
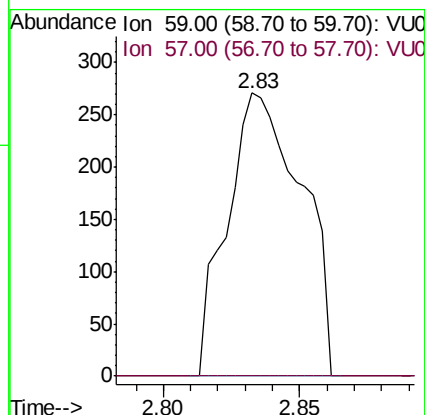
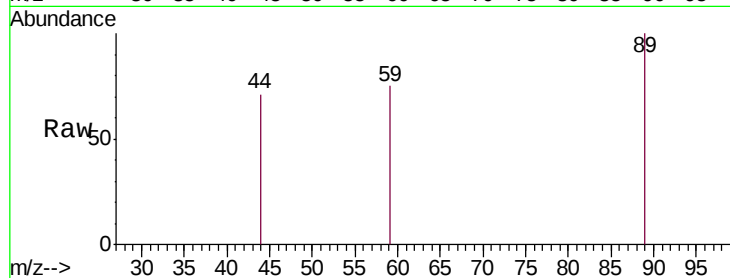


#11

Tert butyl alcohol
 Concen: 1.182 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-FW-MW02-20180916

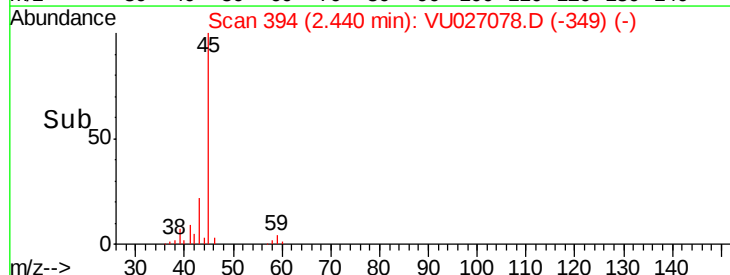
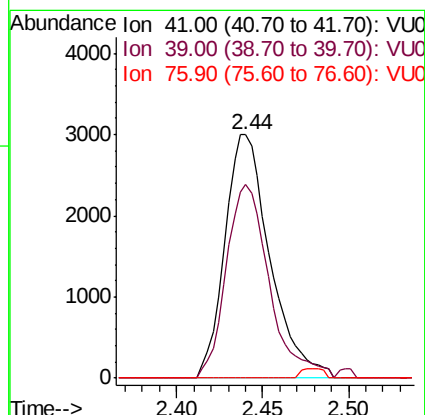
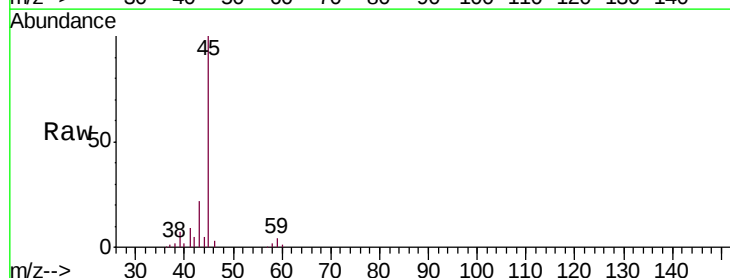
Tgt Ion: 59 Resp: 514
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

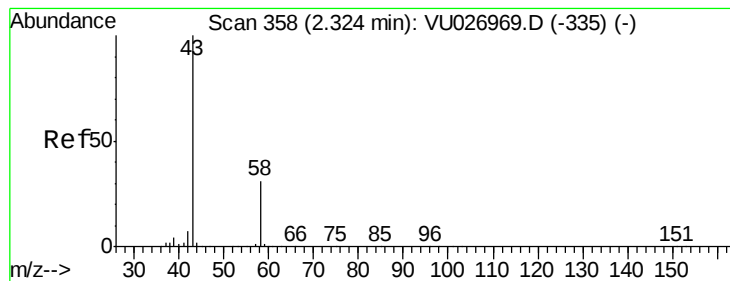


#14

Allyl chloride
 Concen: 2.070 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

Tgt Ion: 41 Resp: 5466
 Ion Ratio Lower Upper
 41 100
 39 76.0 55.7 83.5
 76 0.0 26.5 39.7#





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027078.D

Acq: 23 Sep 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

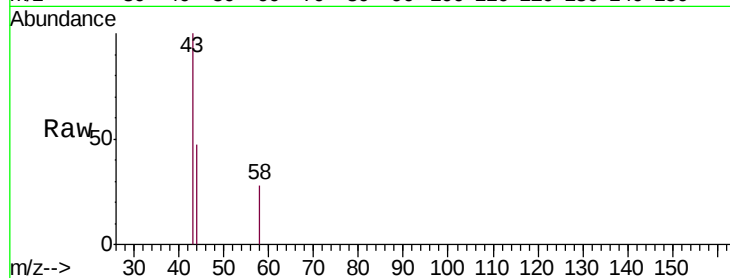
BP-FW-MW02-20180916

Tgt Ion: 43 Resp: 1700

Ion Ratio Lower Upper

43 100

58 27.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-335) (-)

2.32

1200

1000

800

600

400

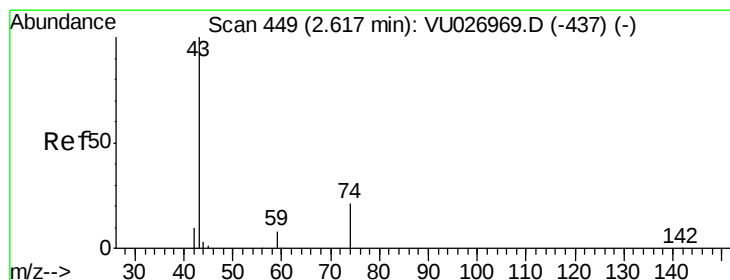
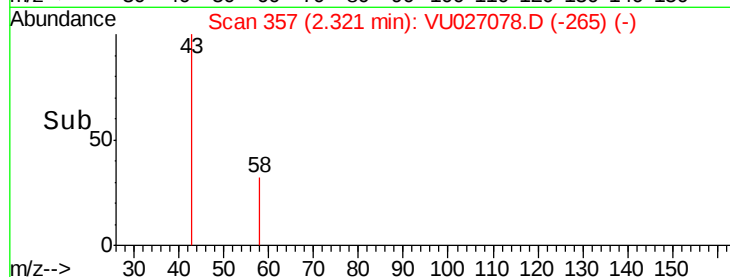
200

0

Time-->

2.30

2.35



#18

Methyl Acetate

Concen: 5.073 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.18 min

Lab File: VU027078.D

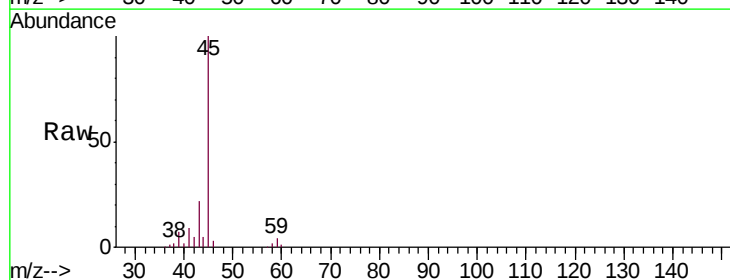
Acq: 23 Sep 2018 17:38

Tgt Ion: 43 Resp: 13698

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-437) (-)

Ion 74.00 (73.70 to 74.70): VU026969.D (-437) (-)

2.44

8000

6000

4000

2000

0

Time-->

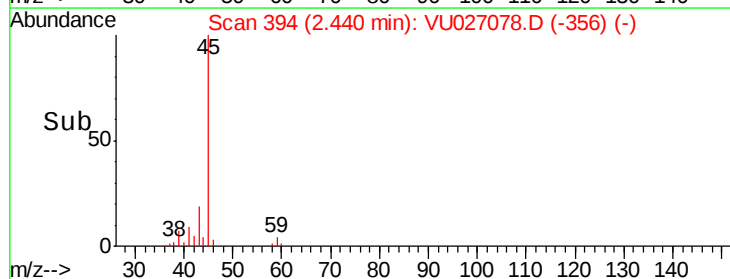
2.35

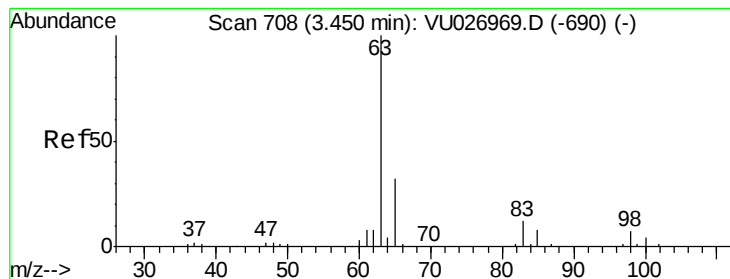
2.40

2.45

2.50

2.55





#24

1,1-Dichloroethane

Concen: 1.120 ug/l

RT: 3.46 min Scan# 710

Delta R.T. 0.01 min

Lab File: VU027078.D

Acq: 23 Sep 2018 17:38

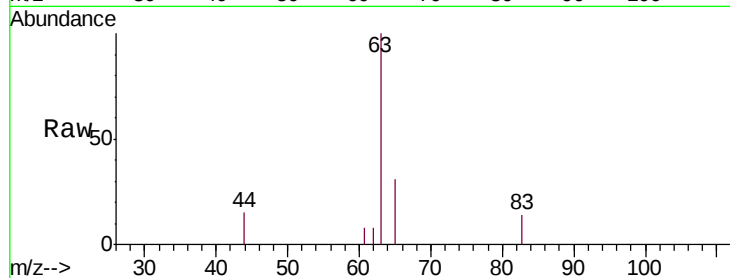
Instrument :

MSVOA_U

ClientSampleId :

BP-FW-MW02-20180916

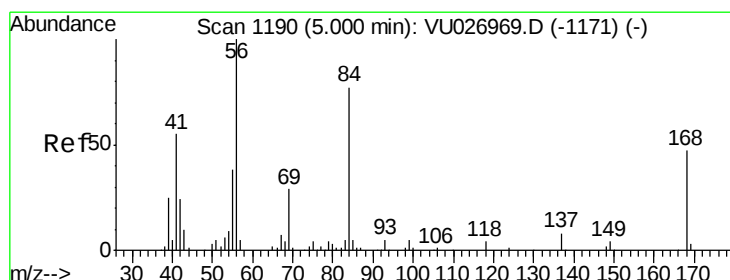
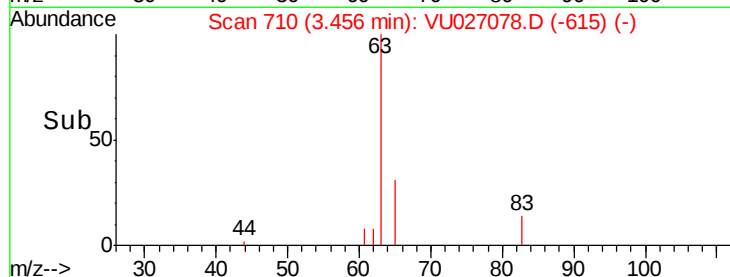
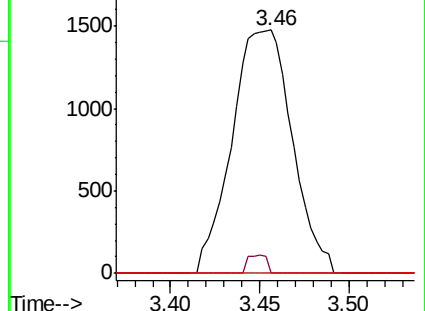
Tgt Ion:	63	Resp:	3483
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.0	5.8#



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)



#31

Cyclohexane

Concen: 0.359 ug/l

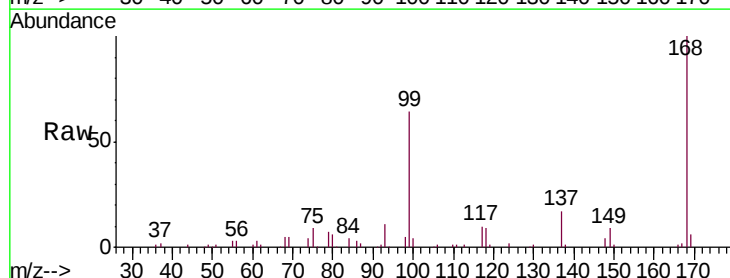
RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027078.D

Acq: 23 Sep 2018 17:38

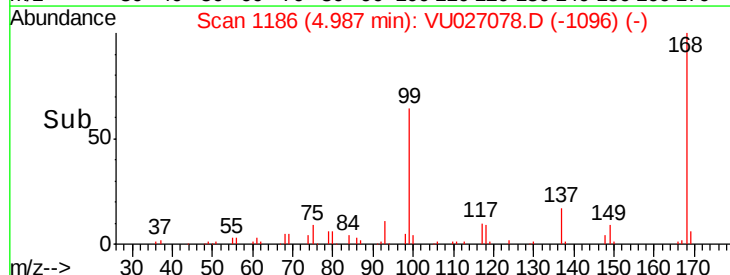
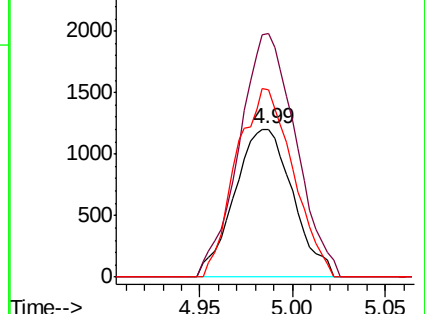
Tgt Ion:	56	Resp:	2628
Ion	Ratio	Lower	Upper
56	100		
69	164.8	23.0	34.4#
84	127.1	61.4	92.2#

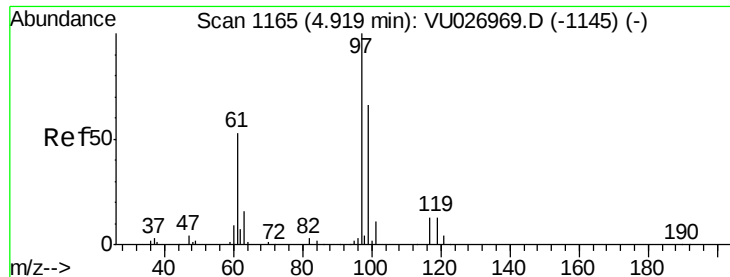


Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)

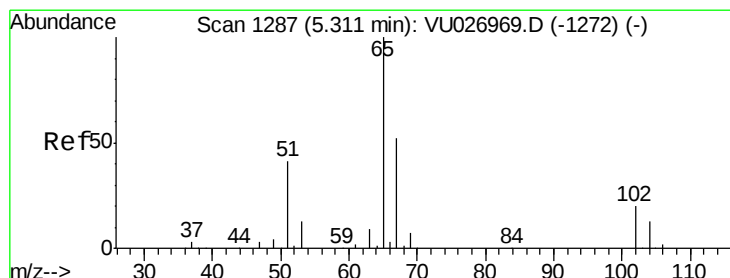
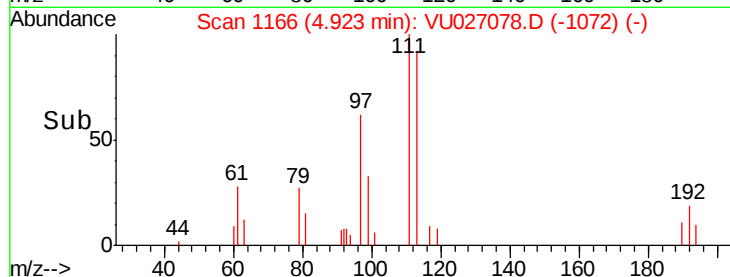
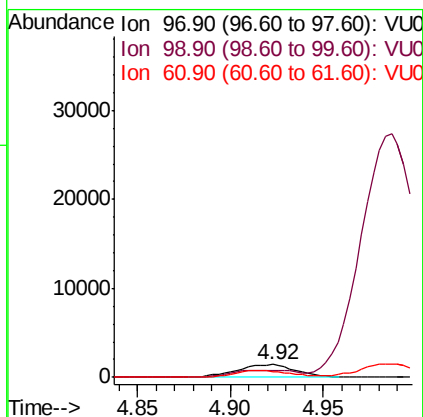
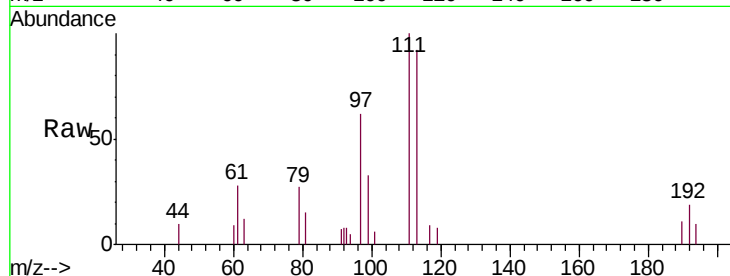




#32
 1,1,1-Trichloroethane
 Concen: 1.389 ug/l
 RT: 4.92 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

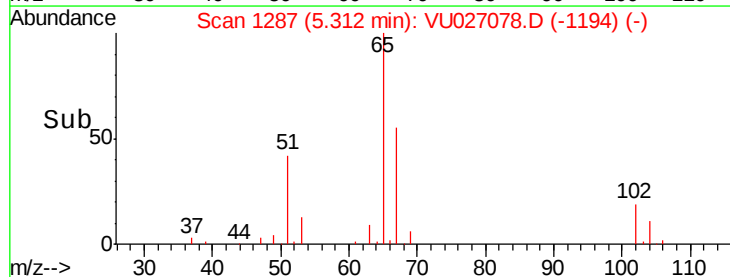
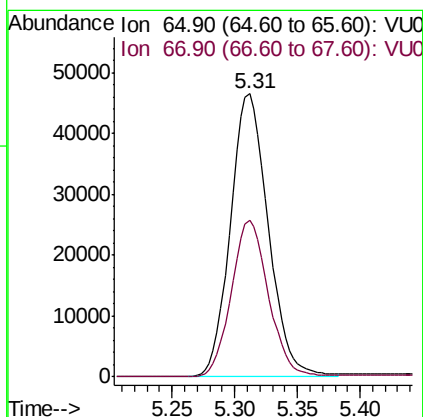
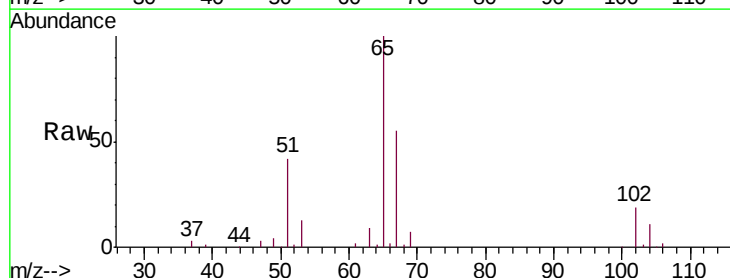
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-FW-MW02-20180916

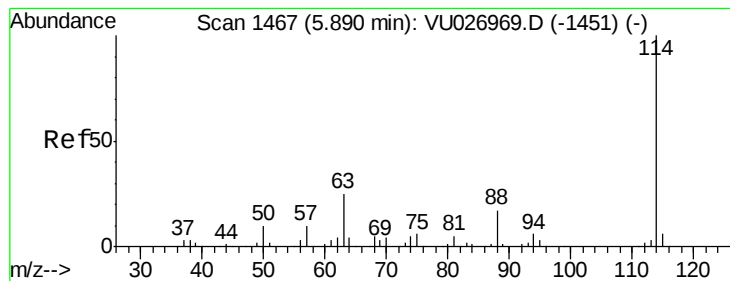
Tgt Ion: 97 Resp: 3201
 Ion Ratio Lower Upper
 97 100
 99 59.4 51.8 77.6
 61 49.7 41.1 61.7



#33
 1,2-Dichloroethane-d4
 Concen: 51.441 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

Tgt Ion: 65 Resp: 97581
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027078.D

Acq: 23 Sep 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

BP-FW-MW02-20180916

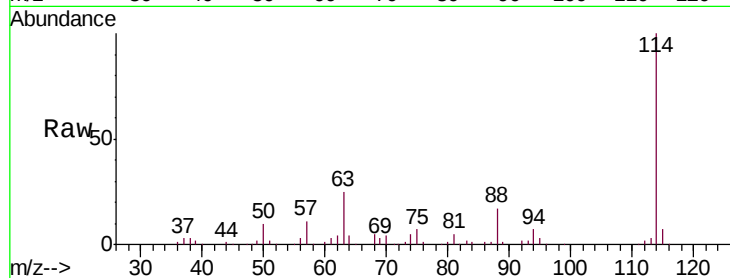
Tgt Ion:114 Resp: 158255

Ion Ratio Lower Upper

114 100

63 24.9 0.0 49.2

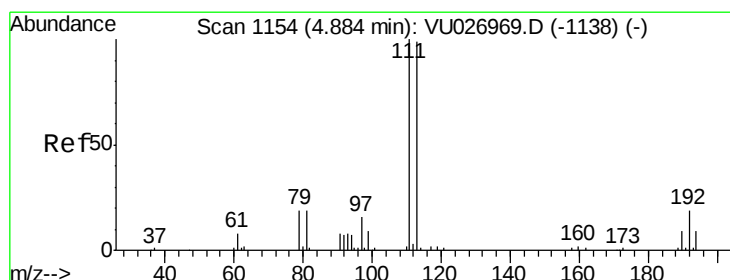
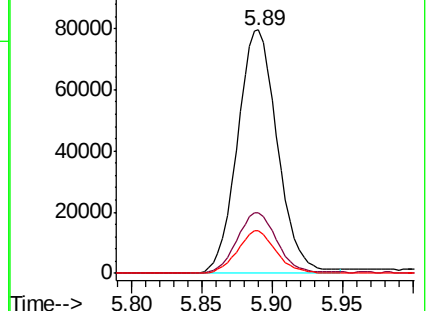
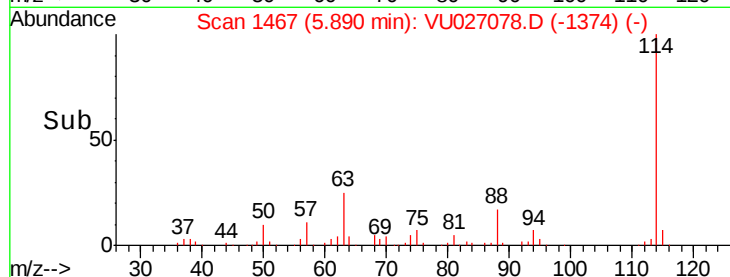
88 17.3 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 48.996 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027078.D

Acq: 23 Sep 2018 17:38

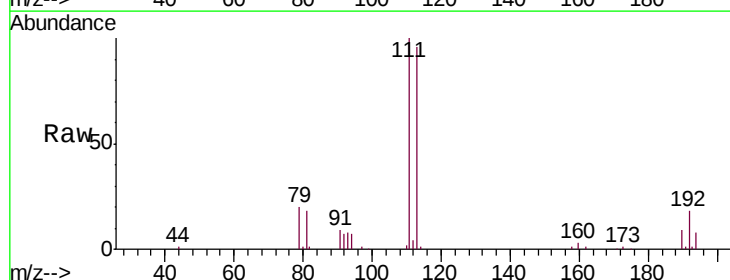
Tgt Ion:113 Resp: 67210

Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.4

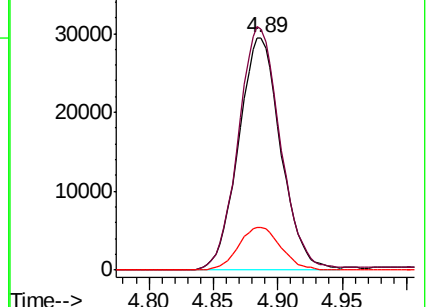
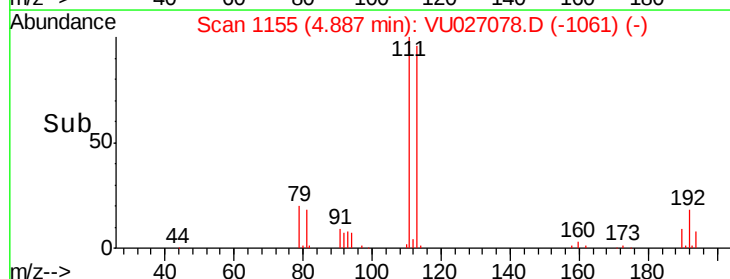
192 18.5 15.2 22.8

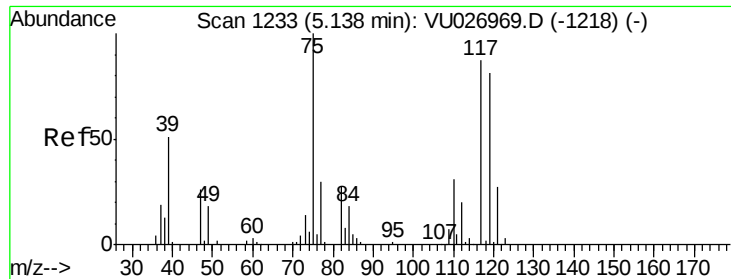


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

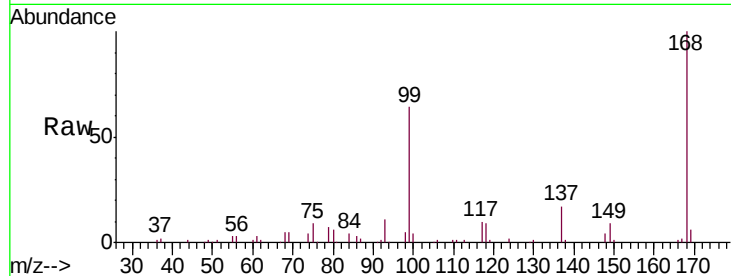




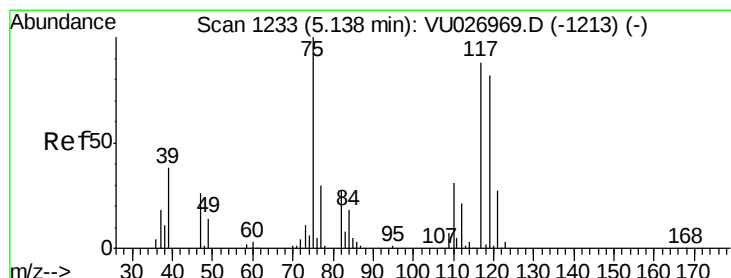
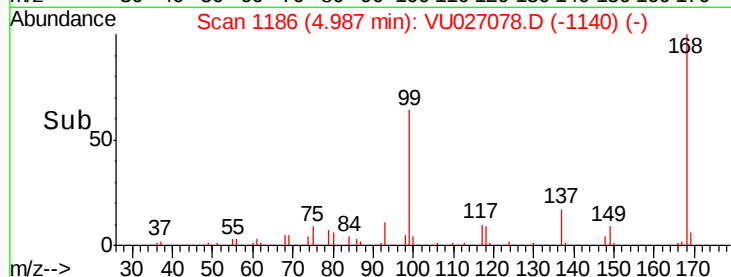
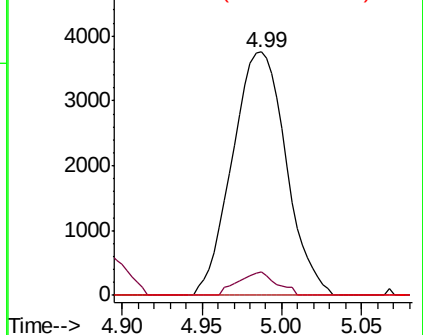
#36
 1,1-Dichloropropene
 Concen: 4.090 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-FW-MW02-20180916

Tgt Ion: 75 Resp: 8639
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.1 48.2#
 77 0.0 24.6 36.8#

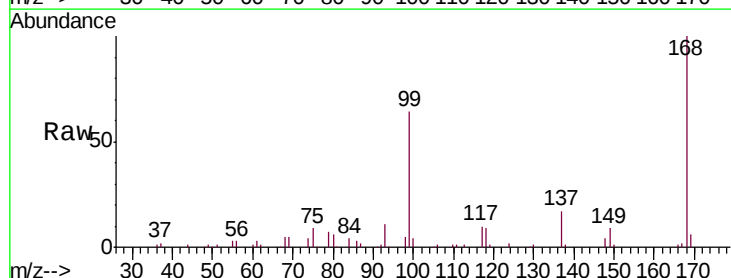


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

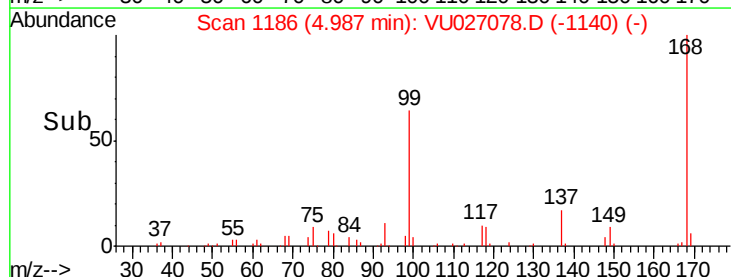
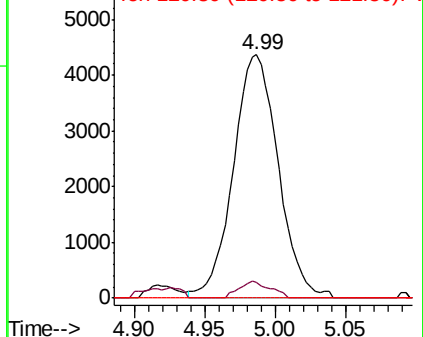


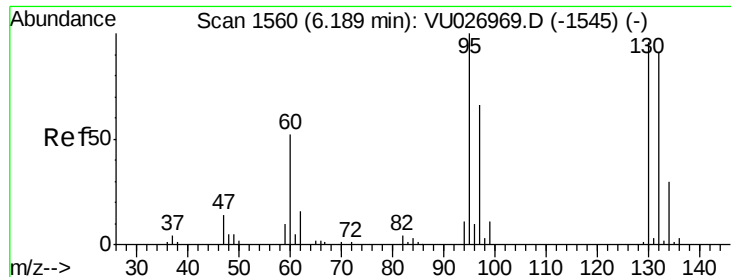
#38
 Carbon Tetrachloride
 Concen: 4.843 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

Tgt Ion: 117 Resp: 9735
 Ion Ratio Lower Upper
 117 100
 119 6.3 74.4 111.6#
 121 0.0 24.2 36.4#



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





#44

Trichloroethene

Concen: 3.288 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027078.D

Acq: 23 Sep 2018 17:38

Instrument :

MSVOA_U

ClientSampleId :

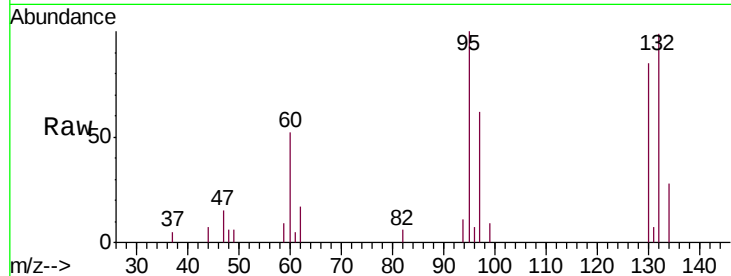
BP-FW-MW02-20180916

Tgt Ion:130 Resp: 4495

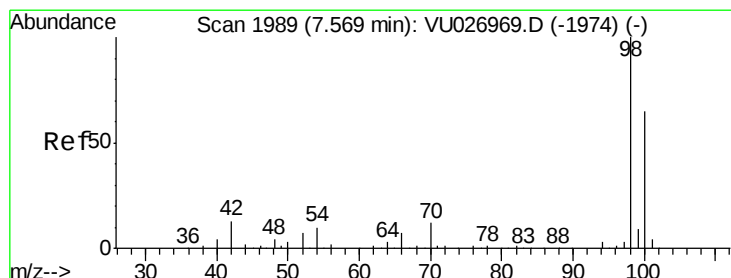
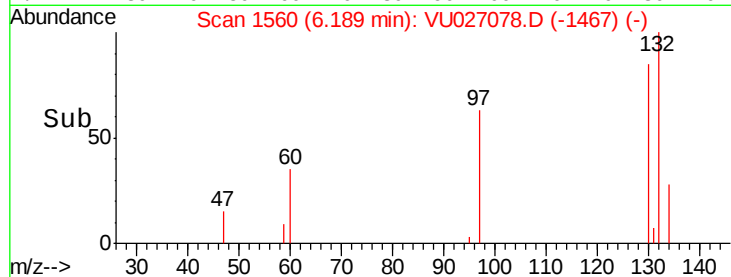
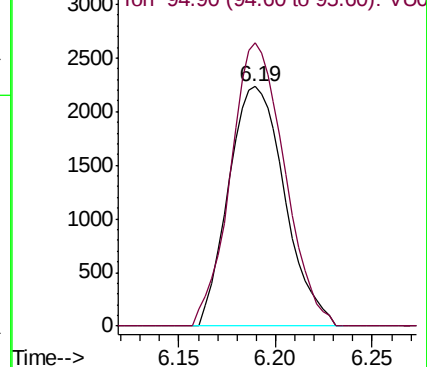
Ion Ratio Lower Upper

130 100

95 118.2 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)



#50

Toluene-d8

Concen: 49.136 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027078.D

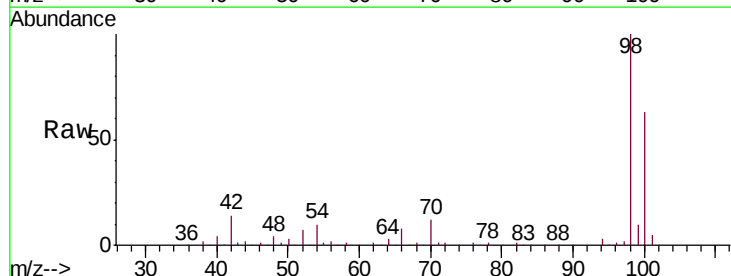
Acq: 23 Sep 2018 17:38

Tgt Ion: 98 Resp: 256874

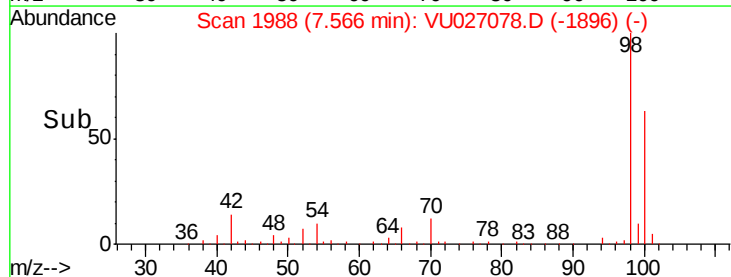
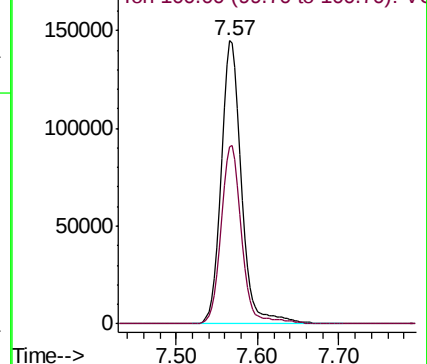
Ion Ratio Lower Upper

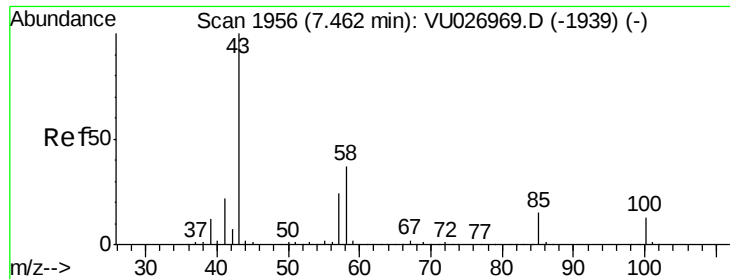
98 100

100 63.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

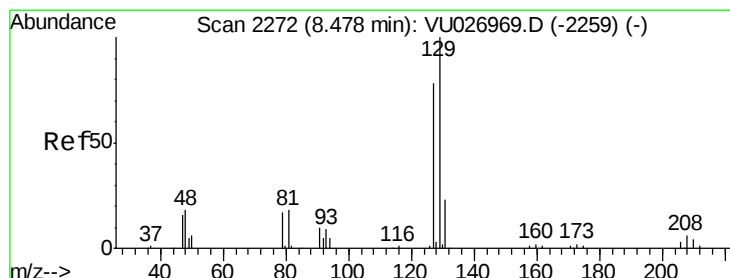
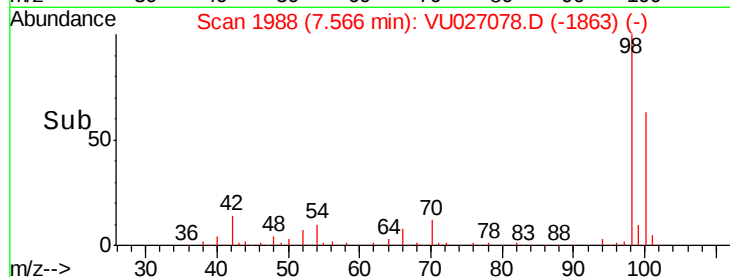
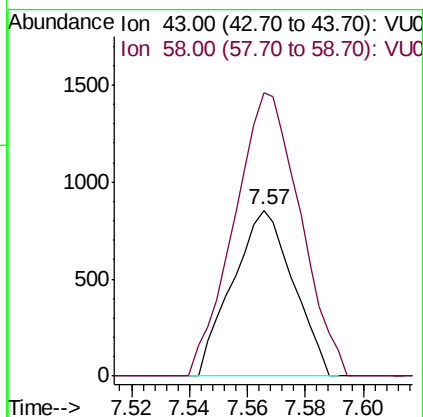
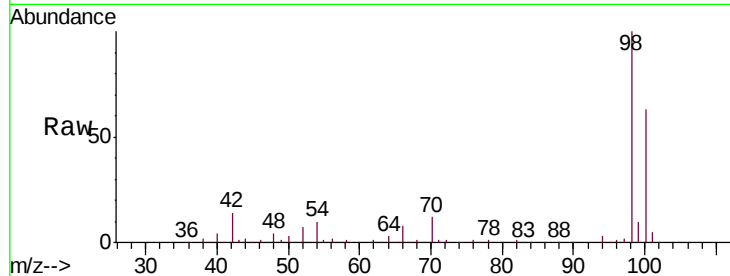




#51
 4-Methyl-2-Pentanone
 Concen: 0.441 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

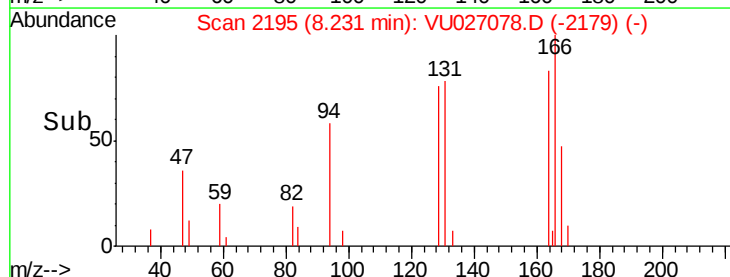
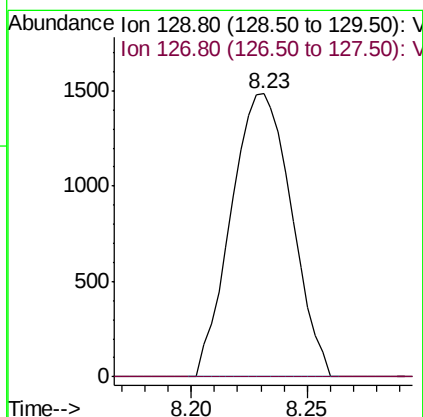
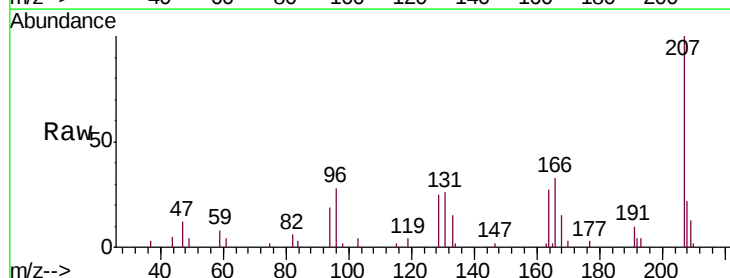
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-FW-MW02-20180916

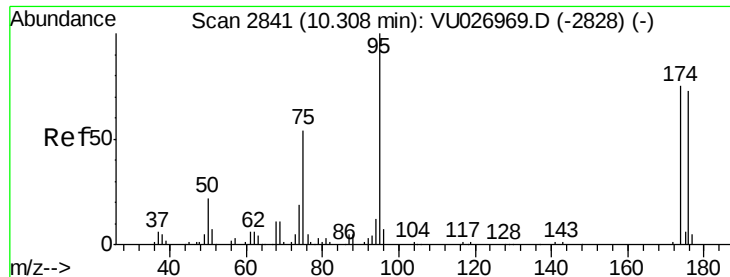
Tgt Ion: 43 Resp: 1238
 Ion Ratio Lower Upper
 43 100
 58 186.1 29.8 44.6#



#60
 Dibromochloromethane
 Concen: 1.755 ug/l
 RT: 8.23 min Scan# 2195
 Delta R.T. -0.25 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

Tgt Ion: 129 Resp: 2684
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.1 114.5#

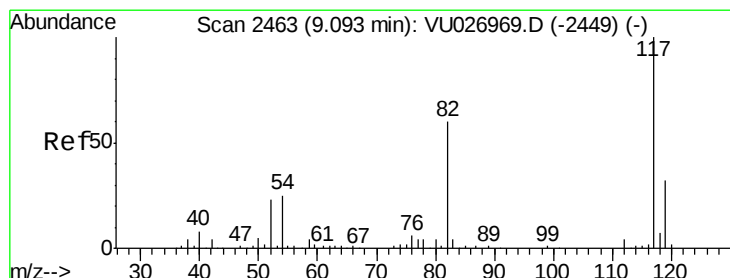
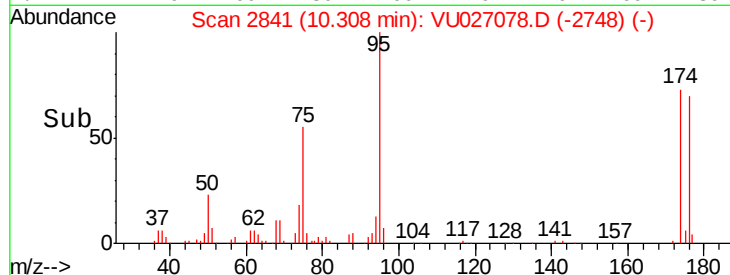
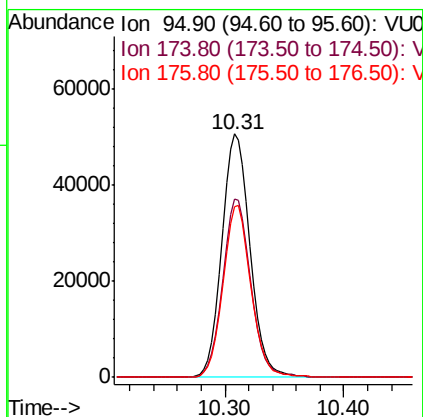
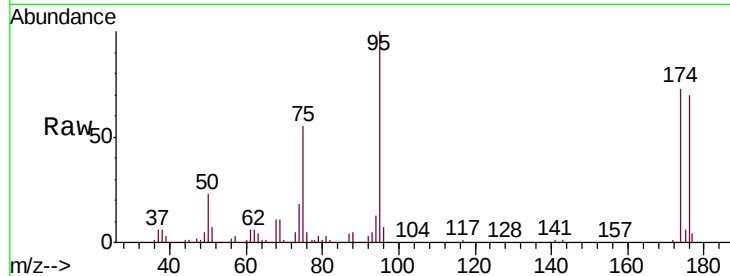




#62
 4-Bromofluorobenzene
 Concen: 46.371 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

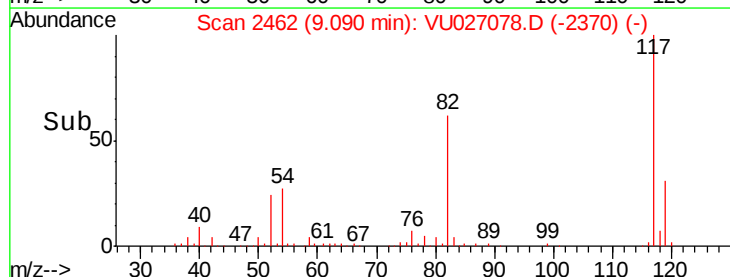
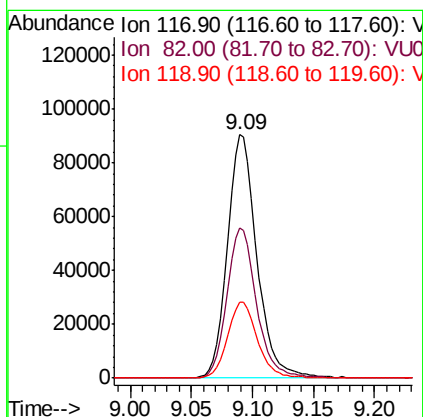
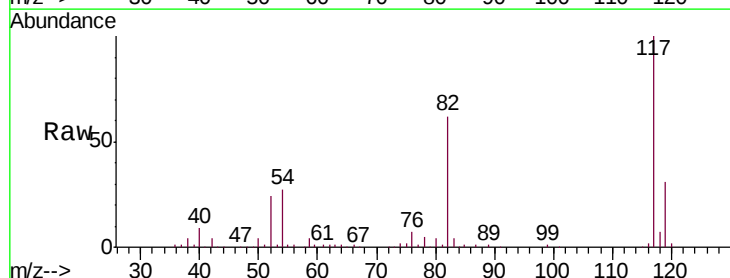
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-FW-MW02-20180916

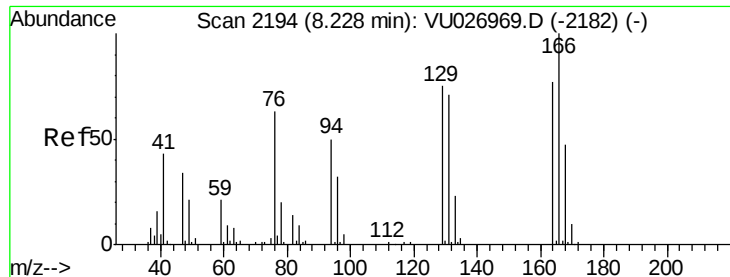
Tgt Ion: 95 Resp: 83181
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 150.2
 176 70.0 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

Tgt Ion: 117 Resp: 153102
 Ion Ratio Lower Upper
 117 100
 82 61.7 48.0 72.0
 119 30.9 25.8 38.8

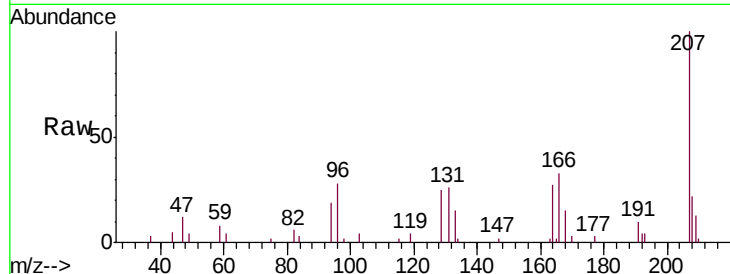




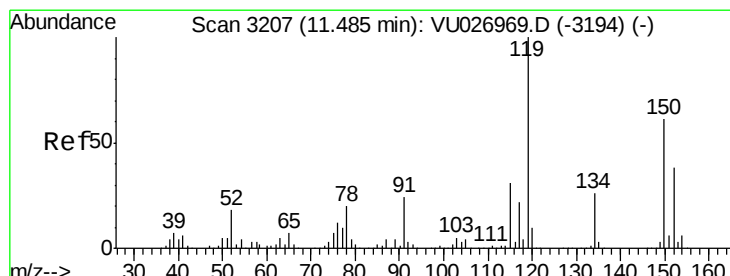
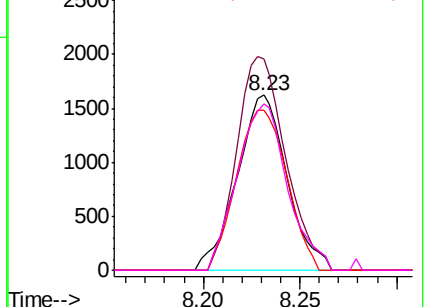
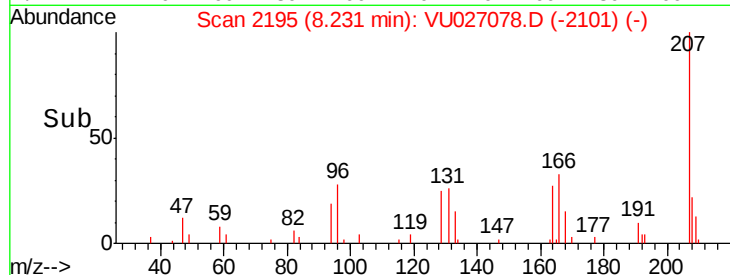
#64
Tetrachloroethene
Concen: 2.473 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027078.D
Acq: 23 Sep 2018 17:38

Instrument :
MSVOA_U
ClientSampleId :
BP-FW-MW02-20180916

Tgt Ion:164 Resp: 2918
Ion Ratio Lower Upper
164 100
166 121.0 104.4 156.6
129 91.5 78.7 118.1
131 94.9 73.9 110.9

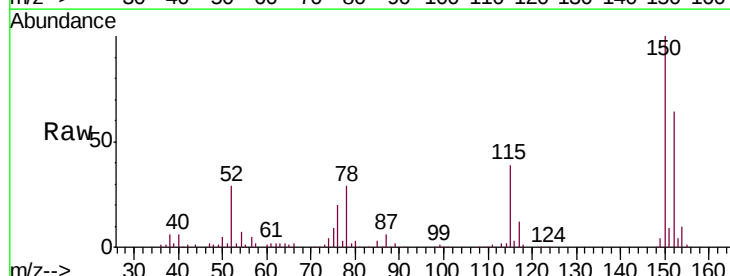


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

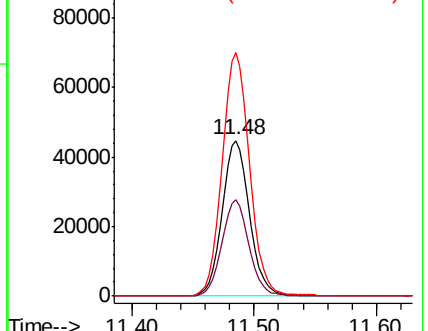
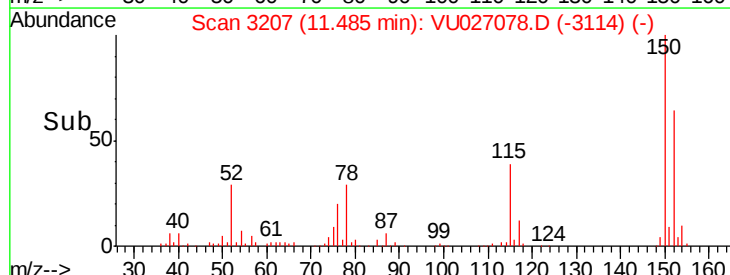


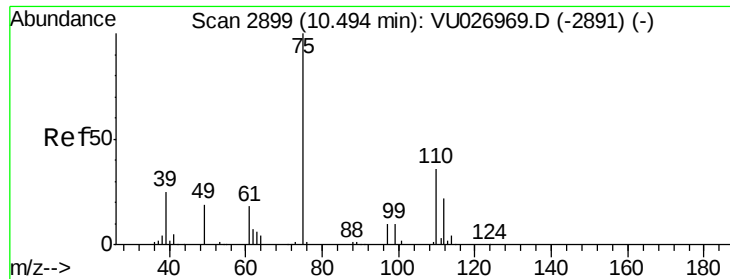
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027078.D
Acq: 23 Sep 2018 17:38

Tgt Ion:152 Resp: 70576
Ion Ratio Lower Upper
152 100
115 61.5 44.9 134.5
150 157.4 0.0 355.8



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

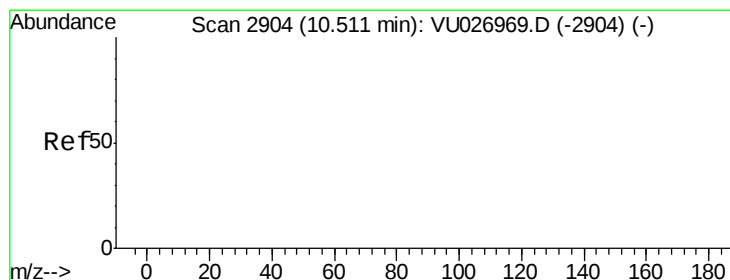
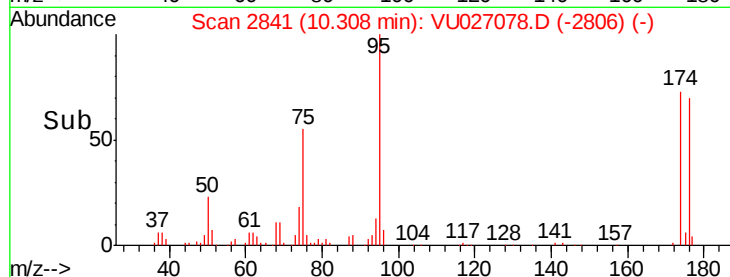
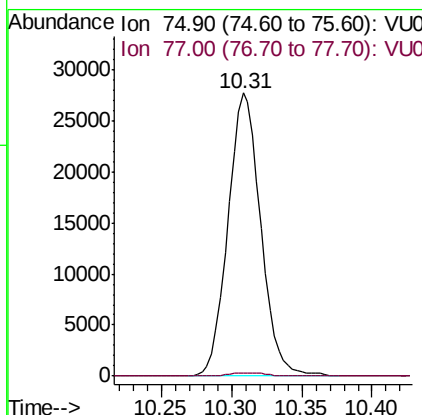
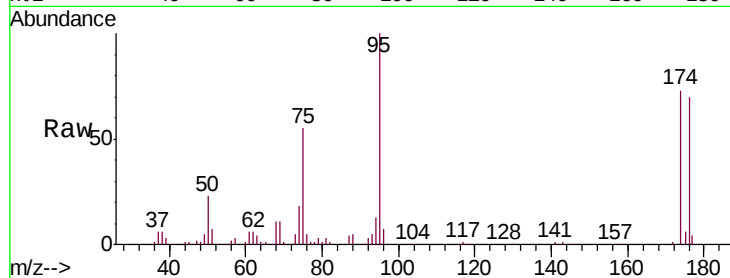




#76
 1,2,3-Trichloropropane
 Concen: 20.987 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-FW-MW02-20180916

Tgt Ion: 75 Resp: 44998
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.162 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027078.D
 Acq: 23 Sep 2018 17:38

Tgt Ion: 75 Resp: 44998
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

