

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111218\
 Data File : VU028060.D
 Acq On : 12 Nov 2018 13:20
 Operator : MD/SY
 Sample : J5885-09RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8

Quant Time: Nov 13 02:44:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	170584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	324302	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	111190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	148664	58.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.24%	
35) Dibromofluoromethane	4.88	113	109263	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	7.57	98	421800	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	10.31	95	136648	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds

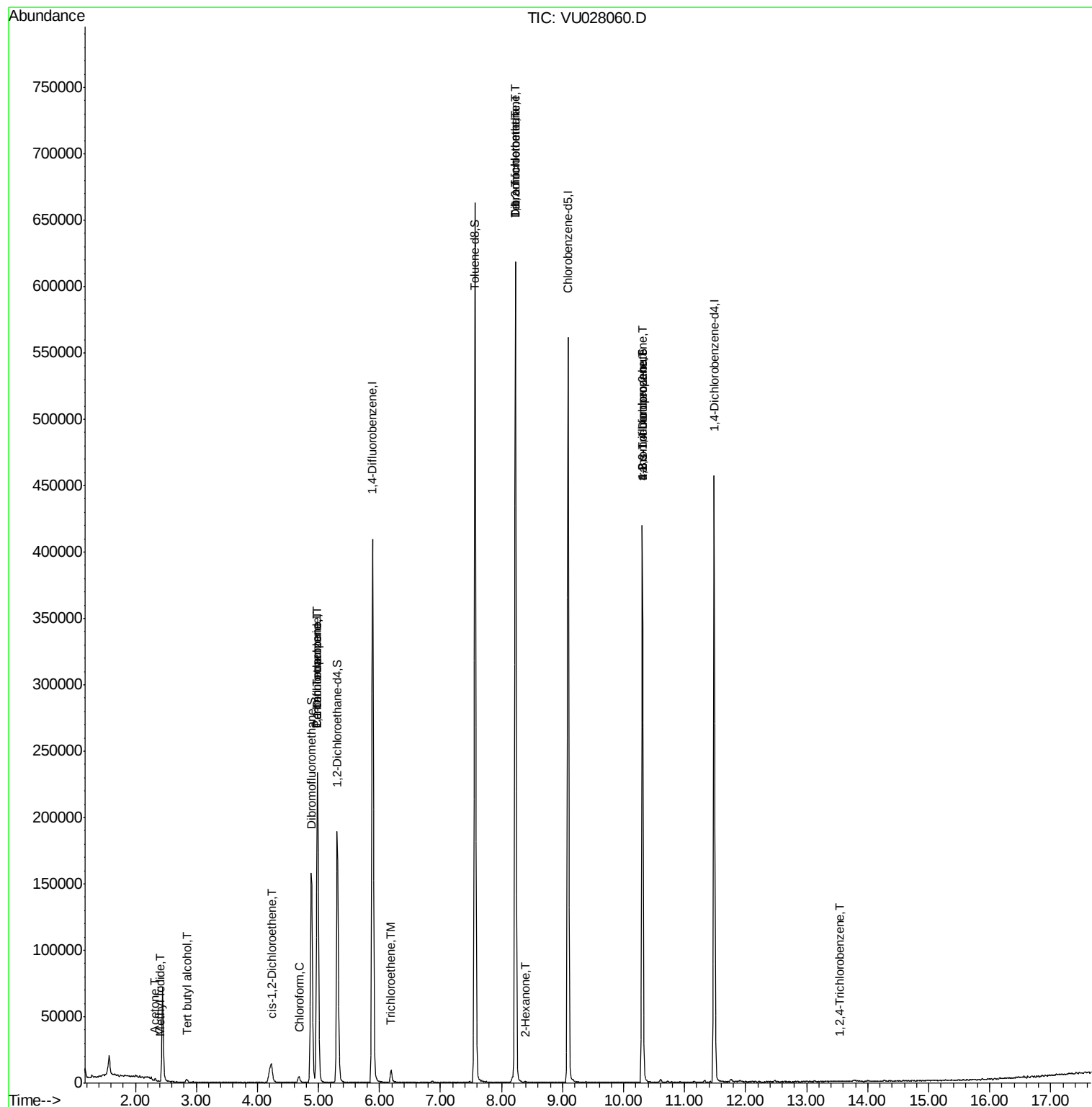
						Qvalue
10) Methyl Iodide	2.40	142	113	7.818	ug/l #	40
11) Tert butyl alcohol	2.84	59	1708	2.544	ug/l #	73
13) Acrolein	2.19	56	69	Below Cal	#	30
16) Acetone	2.32	43	2622	1.666	ug/l #	89
27) cis-1,2-Dichloroethene	4.23	96	6331	2.736	ug/l	95
30) Chloroform	4.68	83	4059	0.985	ug/l #	81
31) Cyclohexane	4.99	56	4196	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	15823	4.659	ug/l #	48
38) Carbon Tetrachloride	4.98	117	17588	5.843	ug/l #	16
44) Trichloroethene	6.20	130	3034	1.359	ug/l	81
55) 1,1,2-Trichloroethane	8.22	97	1196	0.482	ug/l #	16
59) 2-Hexanone	8.39	43	815	0.202	ug/l #	47
60) Dibromochloromethane	8.23	129	125595	53.437	ug/l #	10
64) Tetrachloroethene	8.23	164	130099	69.093	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	72337	23.784	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.31	75	72337	59.335	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.53	180	237	0.775	ug/l #	65
95) Naphthalene	13.77	128	684	Below Cal	#	79

(#) = 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: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampleId :

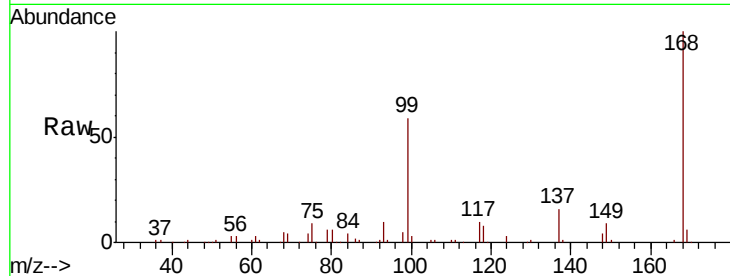
MW-8

Tot Ion:168 Resp: 170584

Ion Ratio Lower Upper

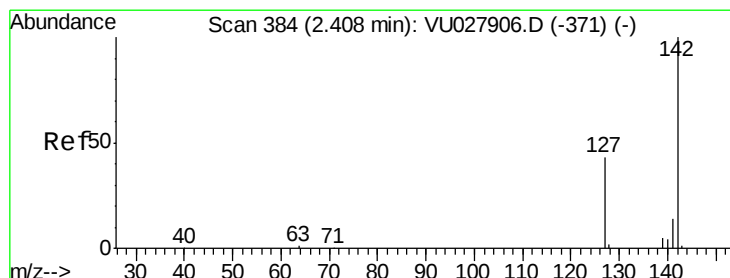
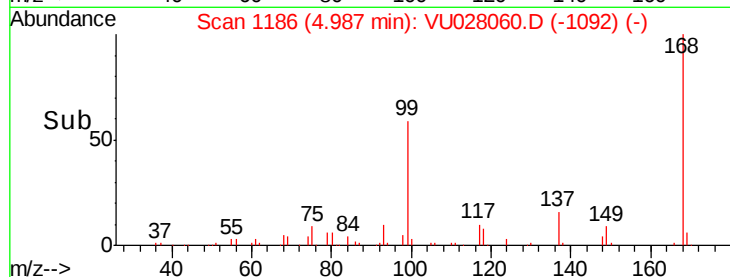
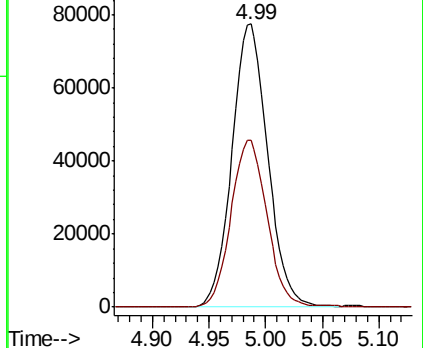
168 100

99 59.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#10

Methyl Iodide

Concen: 7.818 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

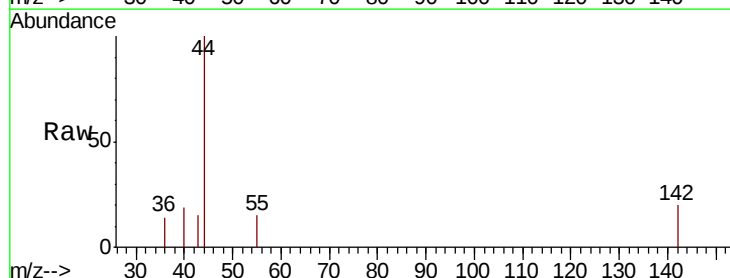
Tgt Ion:142 Resp: 113

Ion Ratio Lower Upper

142 100

127 0.0 35.2 52.8#

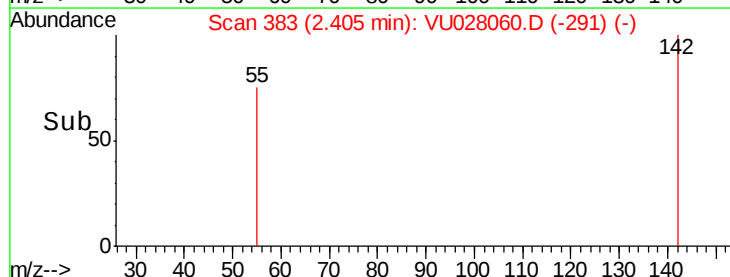
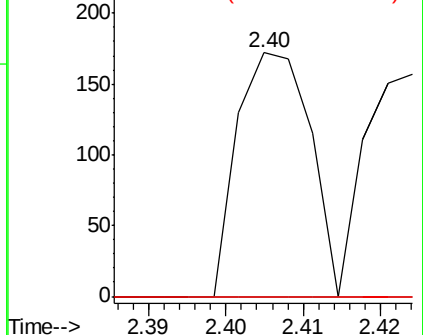
141 0.0 11.8 17.8#

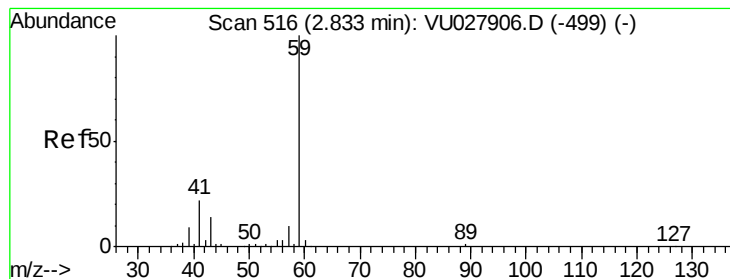


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



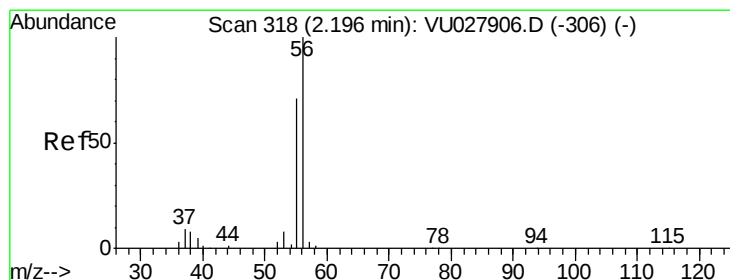
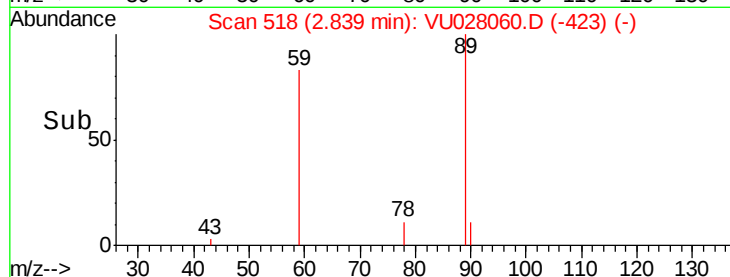
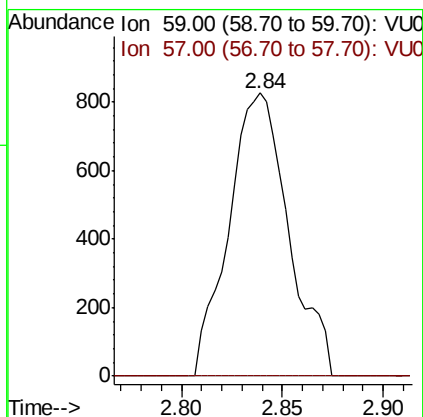
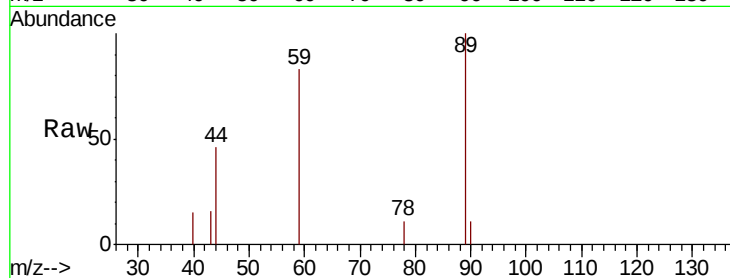


#11

Tert butyl alcohol
 Concen: 2.544 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU028060.D
 Acq: 12 Nov 2018 13:20

Instrument :
 MSVOA_U
 ClientSampled :
 MW-8

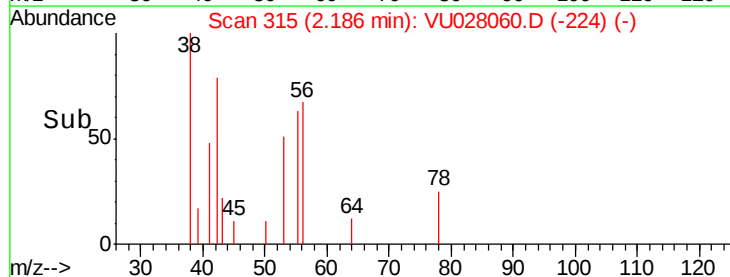
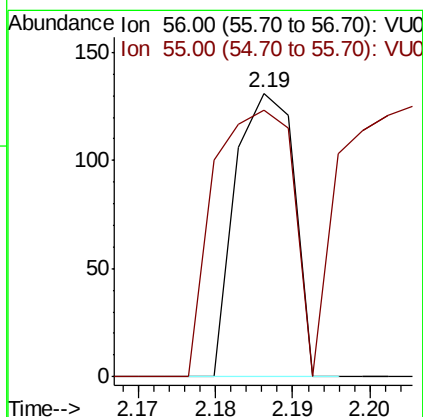
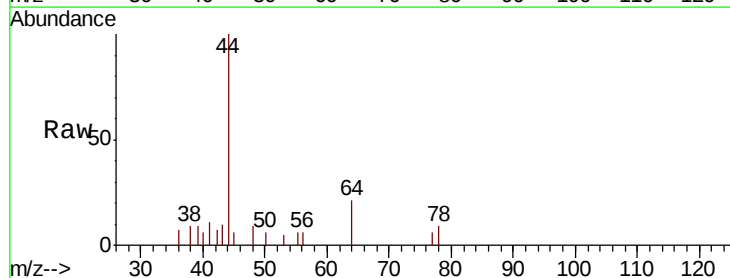
Tot Ion: 59 Resp: 1708
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

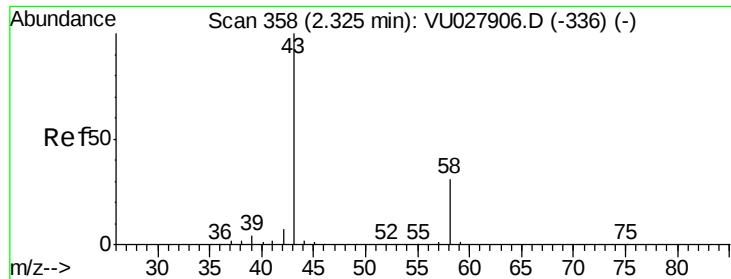


#13

Acrolein
 Concen: Below Cal
 RT: 2.19 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VU028060.D
 Acq: 12 Nov 2018 13:20

Tgt Ion: 56 Resp: 69
 Ion Ratio Lower Upper
 56 100
 55 127.5 56.2 84.4#





#16

Acetone

Concen: 1.666 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampled :

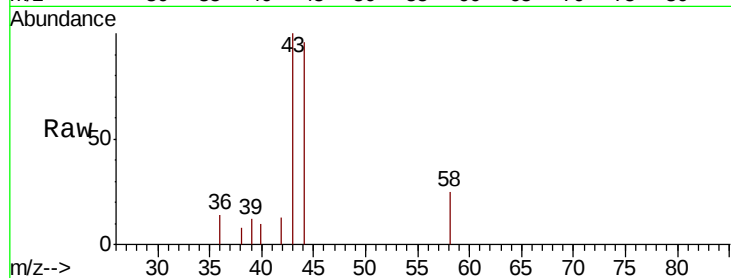
MW-8

Tot Ion: 43 Resp: 2622

Ion Ratio Lower Upper

43 100

58 24.5 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-336) (-)

2.32

1500

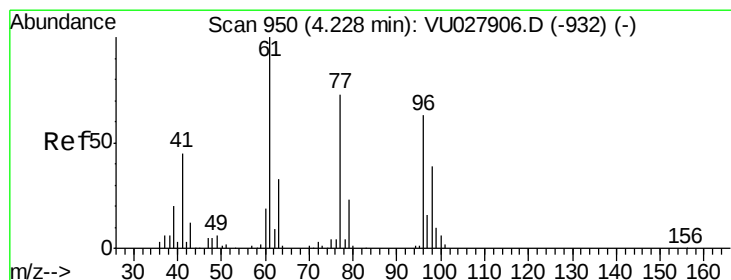
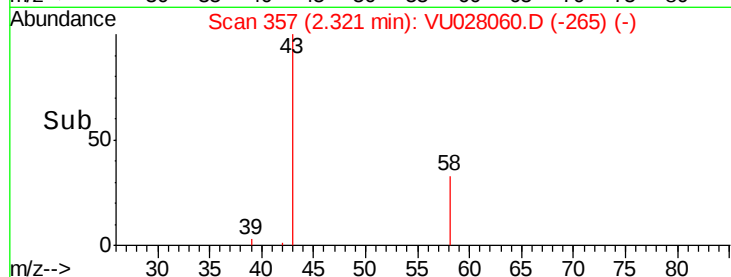
1000

500

0

Time-->

2.25 2.30 2.35



#27

cis-1,2-Dichloroethene

Concen: 2.736 ug/l

RT: 4.23 min Scan# 952

Delta R.T. 0.01 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

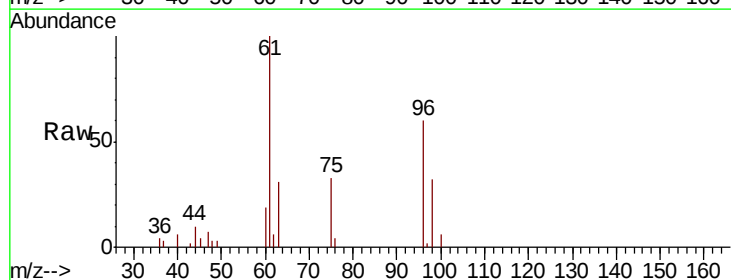
Tgt Ion: 96 Resp: 6331

Ion Ratio Lower Upper

96 100

61 157.4 0.0 329.6

98 60.4 0.0 127.2



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-932) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-932) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-932) (-)

4.23

6000

5000

4000

3000

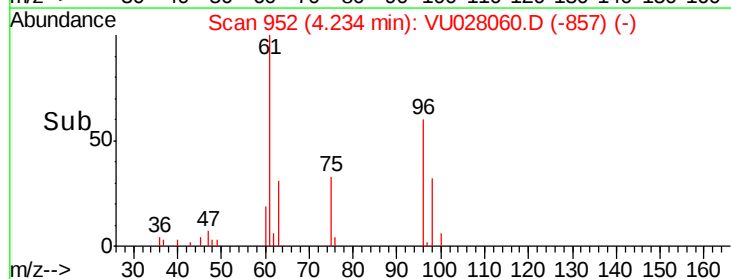
2000

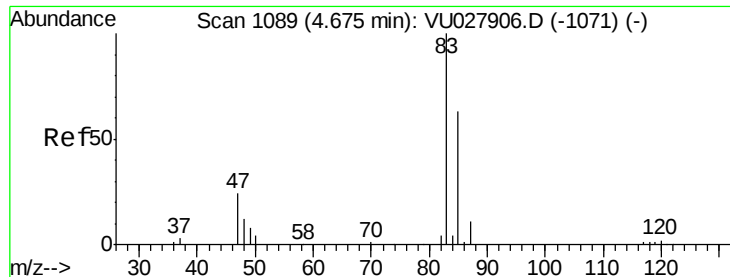
1000

0

Time-->

4.15 4.20 4.25 4.30

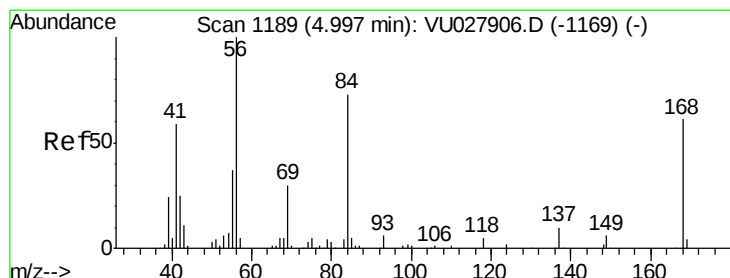
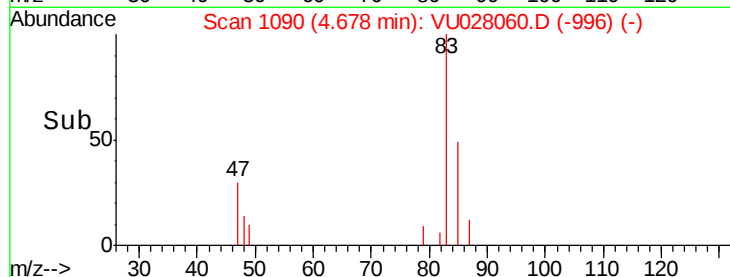
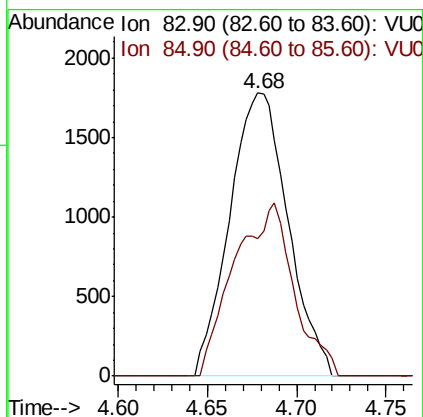
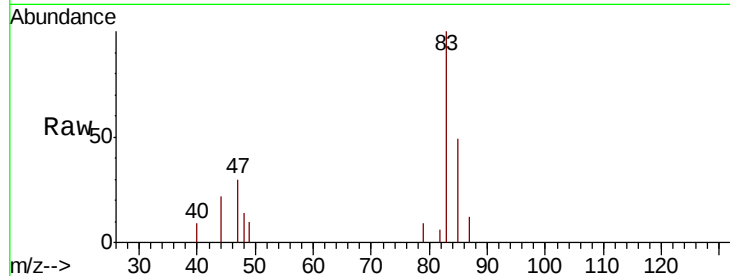




#30
Chloroform
Concen: 0.985 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028060.D
Acq: 12 Nov 2018 13:20

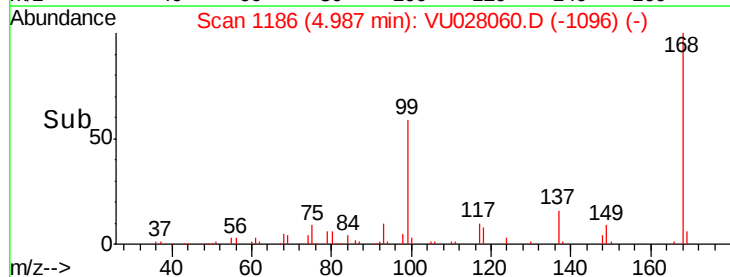
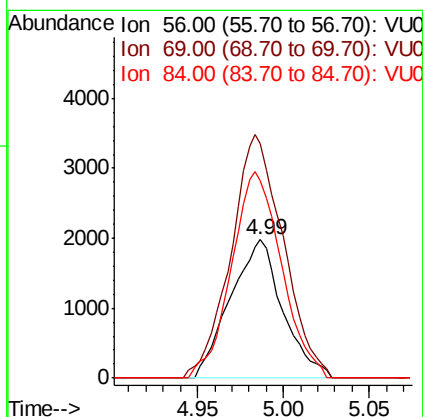
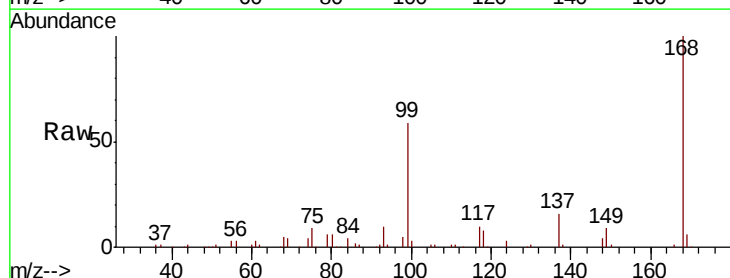
Instrument :
MSVOA_U
ClientSampleId :
MW-8

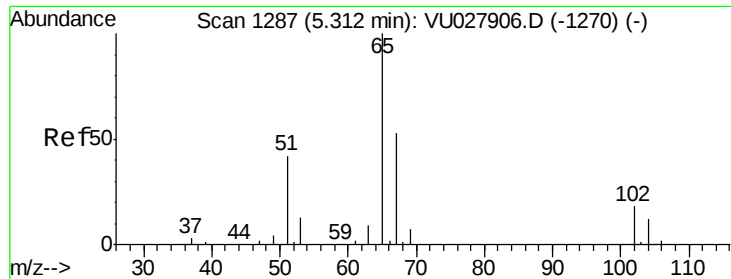
Tot Ion: 83 Resp: 4059
Ion Ratio Lower Upper
83 100
85 48.7 50.6 76.0#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028060.D
Acq: 12 Nov 2018 13:20

Tgt Ion: 56 Resp: 4196
Ion Ratio Lower Upper
56 100
69 169.5 23.7 35.5#
84 142.2 58.2 87.4#





#33

1,2-Dichloroethane-d4

Concen: 58.618 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampleId :

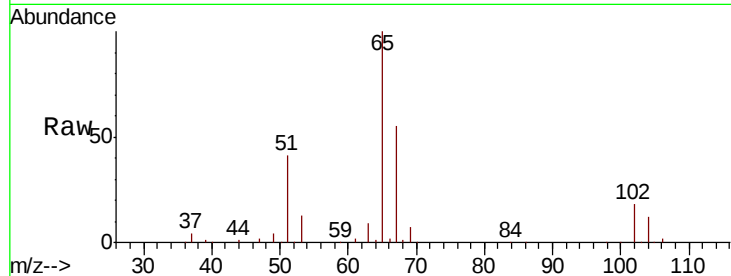
MW-8

Tot Ion: 65 Resp: 148664

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.0

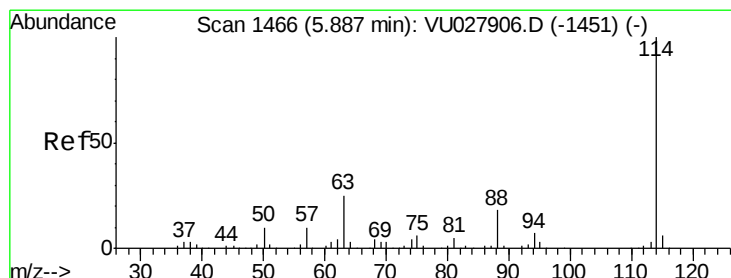
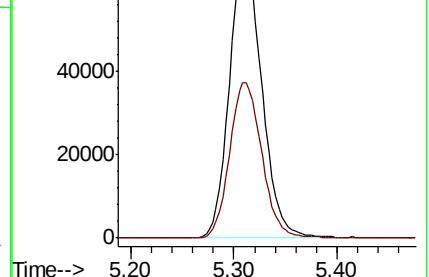
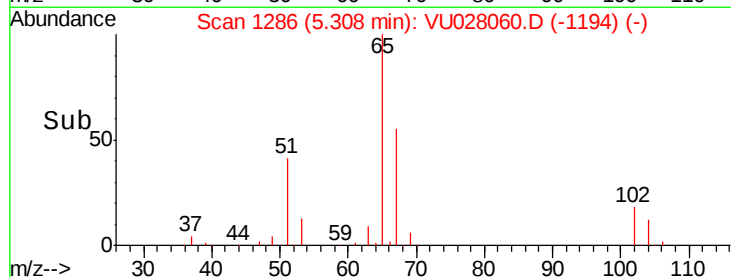


Abundance Ion 64.90 (64.60 to 65.60): VU027906.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU027906.D (-1270) (-)

5.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

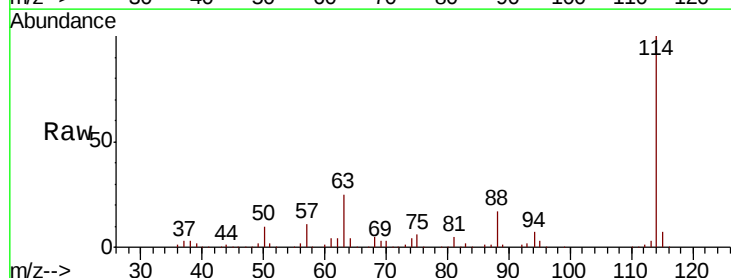
Tgt Ion: 114 Resp: 324302

Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.8

88 16.6 0.0 35.8



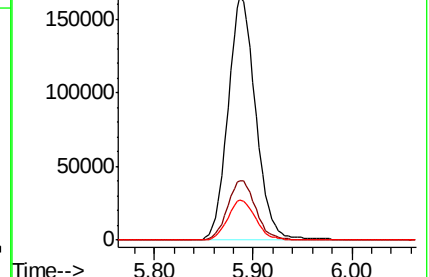
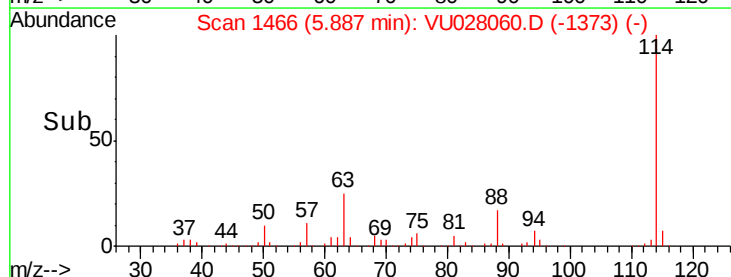
Abundance Ion 113.90 (113.60 to 114.60): VU027906.D (-1451) (-)

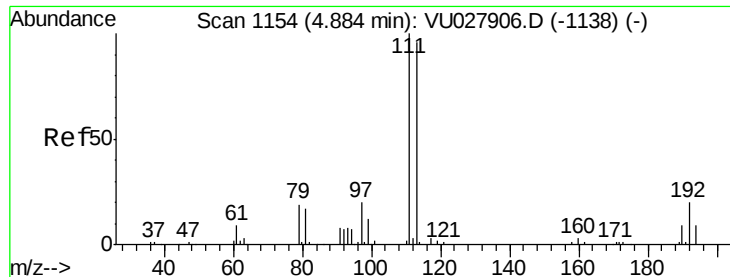
Ion 63.00 (62.70 to 63.70): VU027906.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU027906.D (-1451) (-)

5.89

Time-->

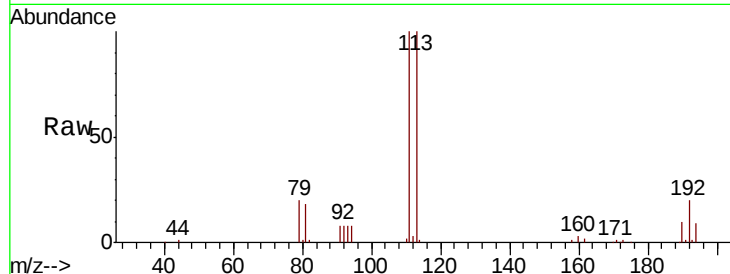




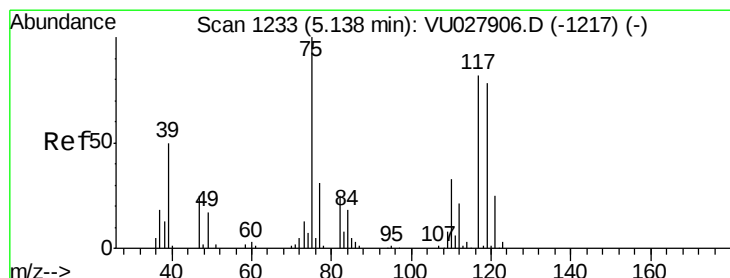
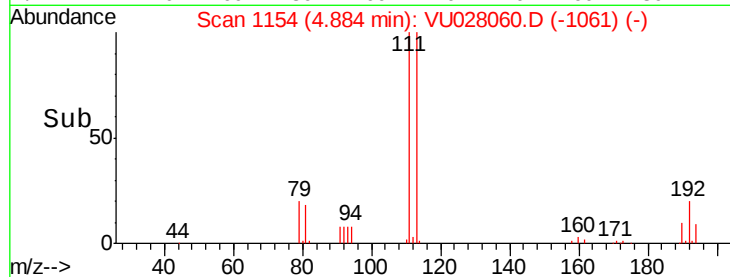
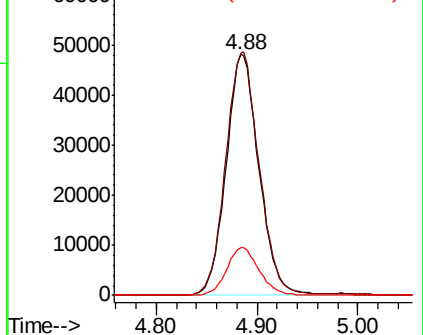
#35
 Dibromofluoromethane
 Concen: 53.435 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028060.D
 Acq: 12 Nov 2018 13:20

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8

Tot Ion:113 Resp: 109263
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.0 124.6
 192 19.5 15.6 23.4

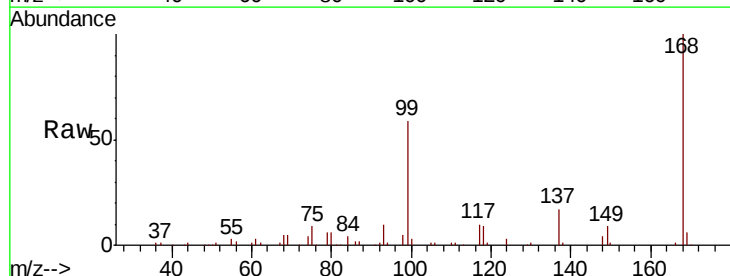


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

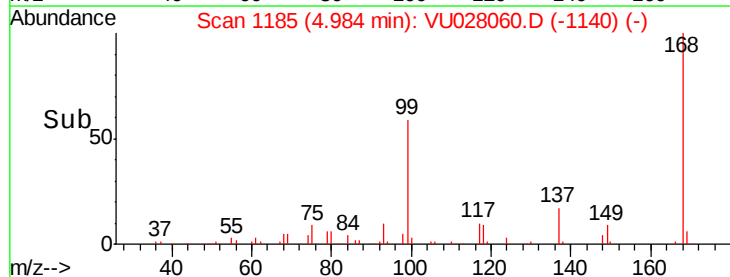
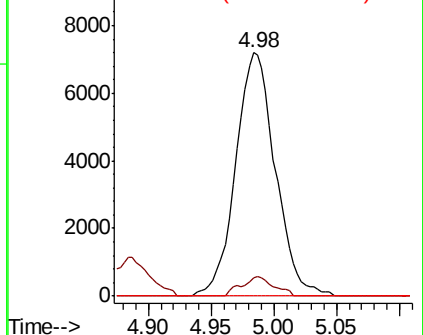


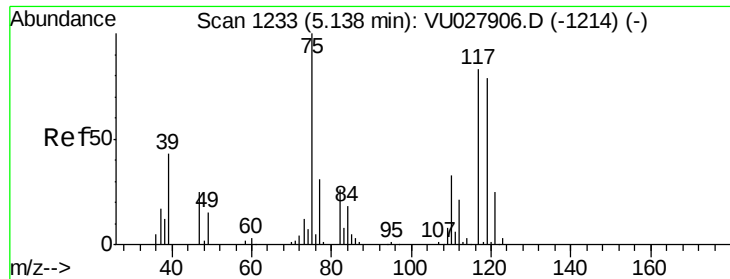
#36
 1,1-Dichloropropene
 Concen: 4.659 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028060.D
 Acq: 12 Nov 2018 13:20

Tgt Ion: 75 Resp: 15823
 Ion Ratio Lower Upper
 75 100
 110 6.5 16.5 49.5#
 77 0.0 24.9 37.3#



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: 5.843 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampleId :

MW-8

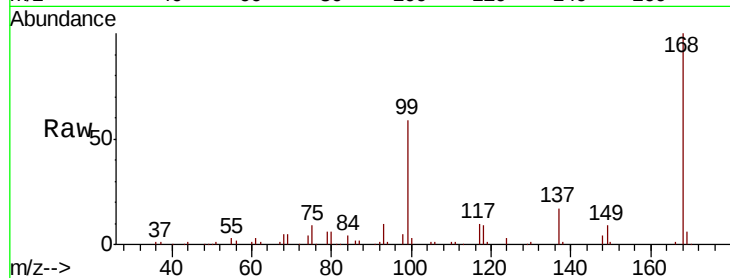
Tot Ion:117 Resp: 17588

Ion Ratio Lower Upper

117 100

119 5.1 76.0 114.0#

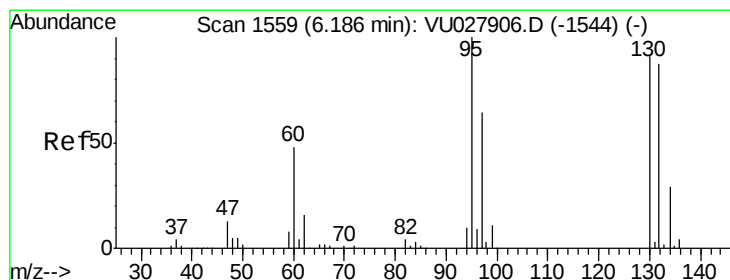
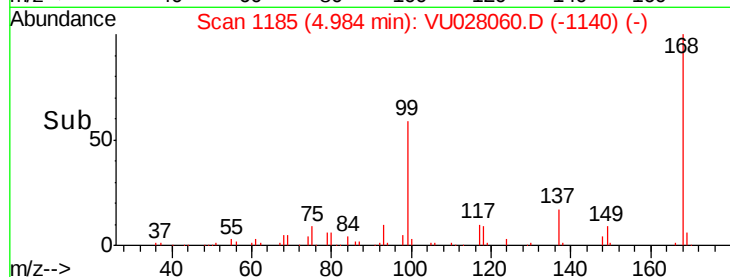
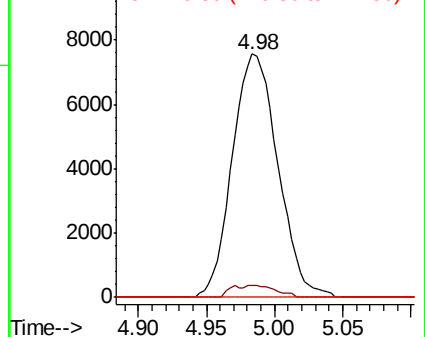
121 0.0 24.5 36.7#



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: 1.359 ug/l

RT: 6.20 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VU028060.D

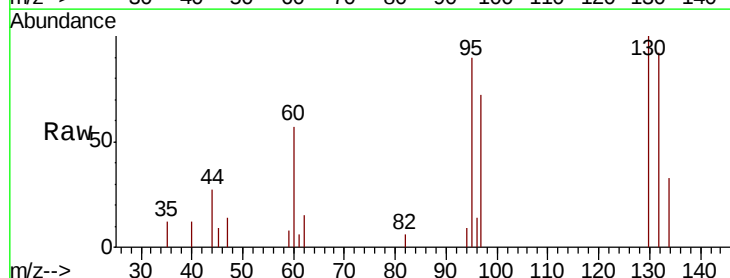
Acq: 12 Nov 2018 13:20

Tgt Ion:130 Resp: 3034

Ion Ratio Lower Upper

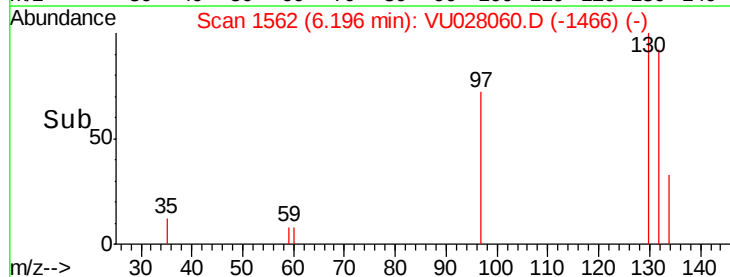
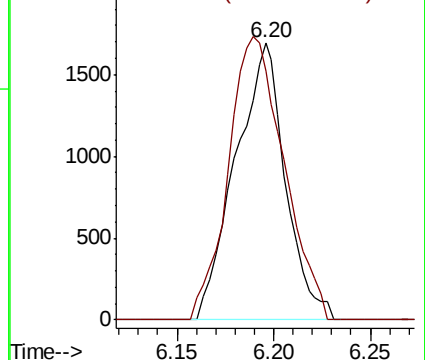
130 100

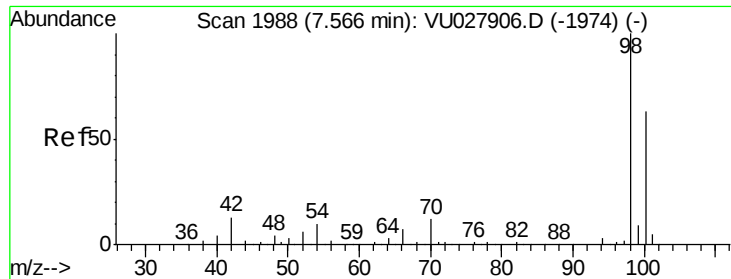
95 89.9 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 53.401 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampled :

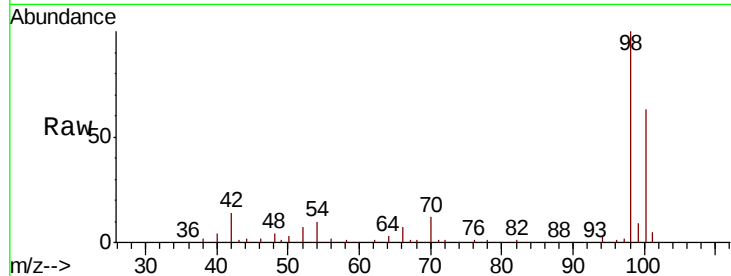
MW-8

Tot Ion: 98 Resp: 421800

Ion Ratio Lower Upper

98 100

100 62.7 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)

7.57

250000

200000

150000

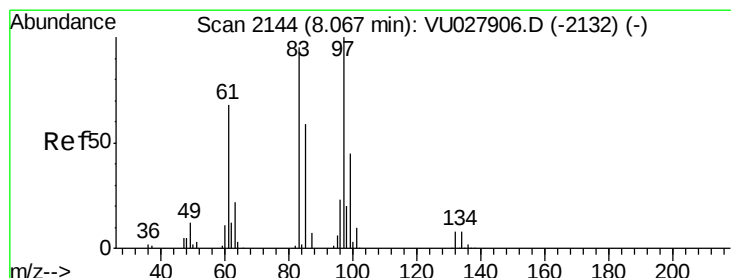
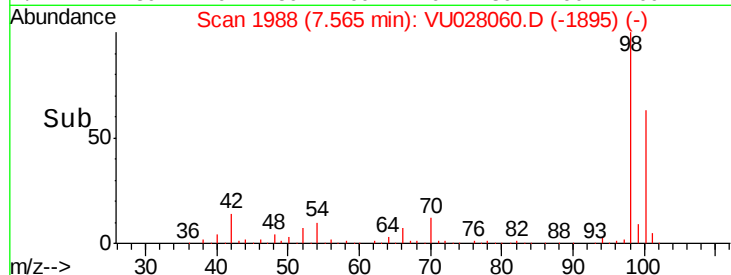
100000

50000

0

7.50 7.60 7.70

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.482 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. 0.16 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Tgt Ion: 97 Resp: 1196

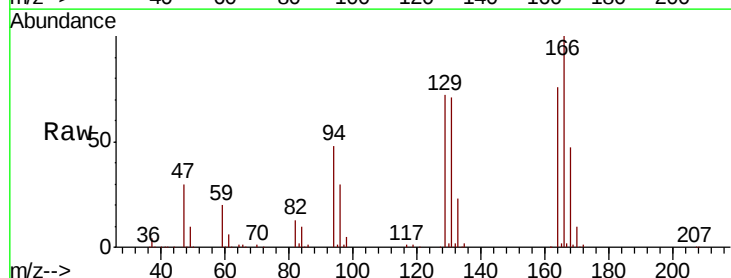
Ion Ratio Lower Upper

97 100

83 201.3 76.1 114.1#

85 25.3 48.9 73.3#

99 0.0 52.0 78.0#



Abundance Ion 96.90 (96.60 to 97.60): VU027906.D (-2132) (-)

Ion 82.90 (82.60 to 83.60): VU027906.D (-2132) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-2132) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-2132) (-)

3000

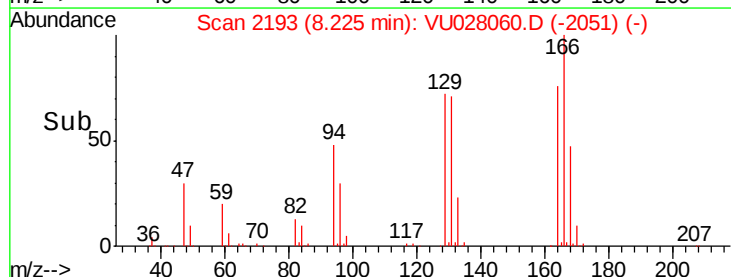
2000

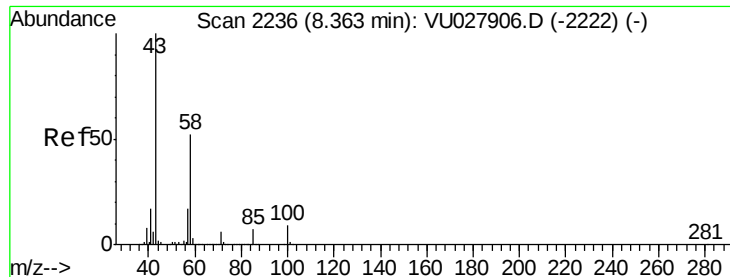
1000

0

8.18 8.20 8.22 8.24 8.26

Time-->





#59

2-Hexanone

Concen: 0.202 ug/l

RT: 8.39 min Scan# 2244

Delta R.T. 0.03 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampleId :

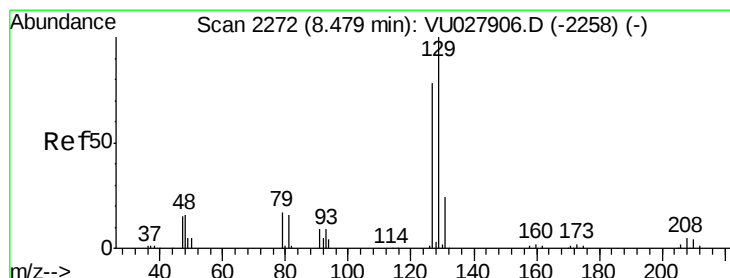
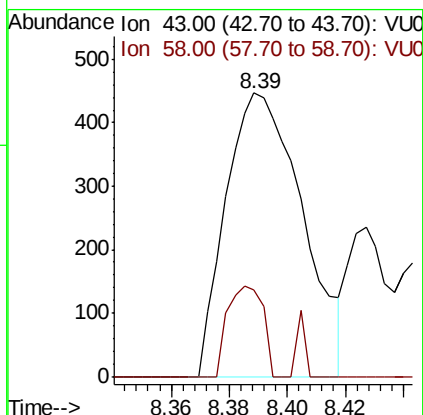
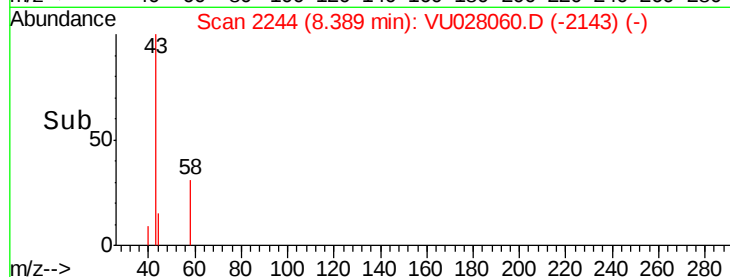
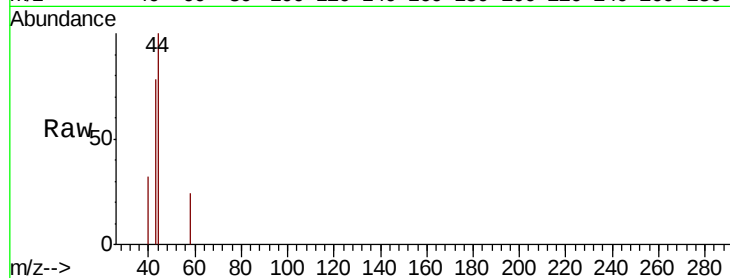
MW-8

Tot Ion: 43 Resp: 815

Ion Ratio Lower Upper

43 100

58 14.6 25.8 77.3#



#60

Dibromochloromethane

Concen: 53.437 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028060.D

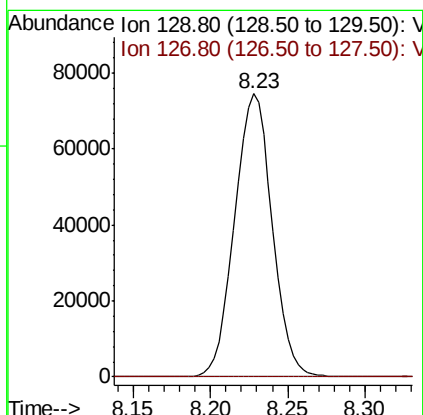
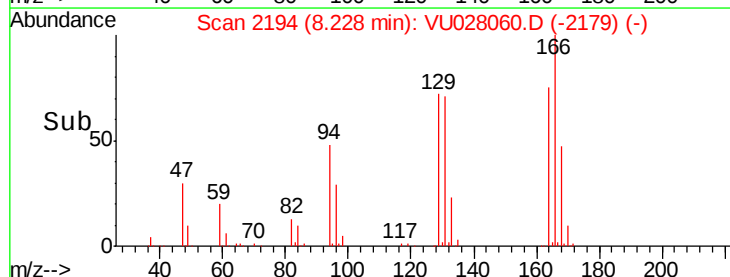
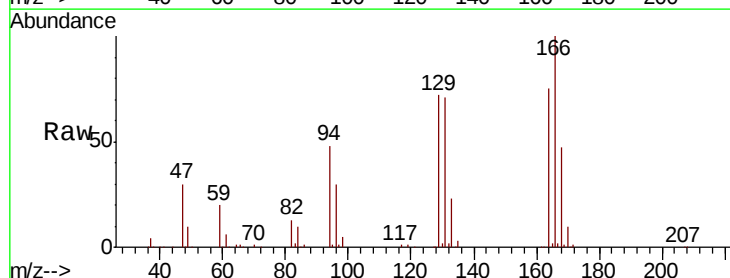
Acq: 12 Nov 2018 13:20

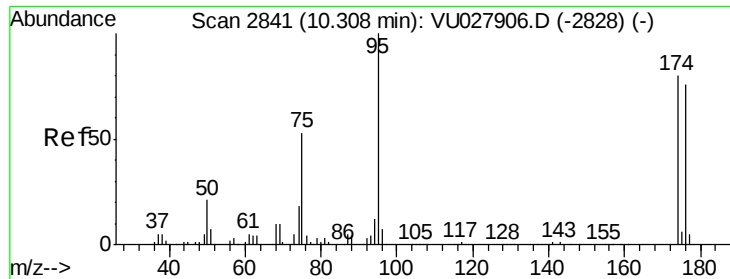
Tgt Ion: 129 Resp: 125595

Ion Ratio Lower Upper

129 100

127 0.1 39.2 117.6#

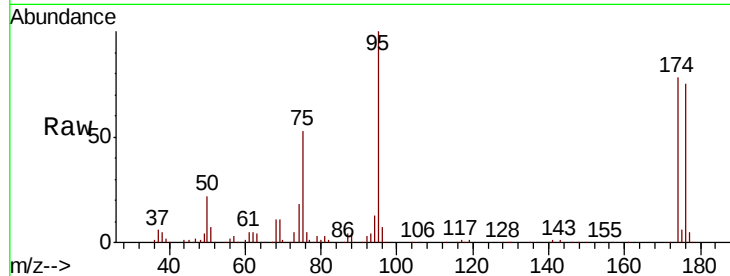




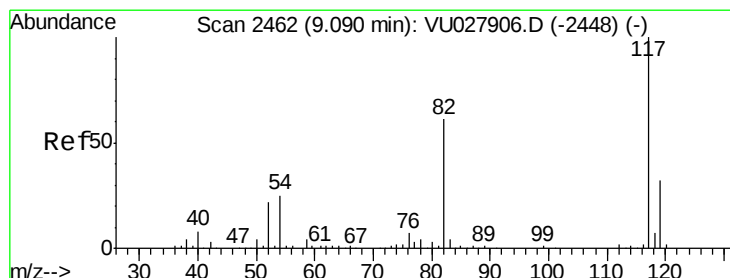
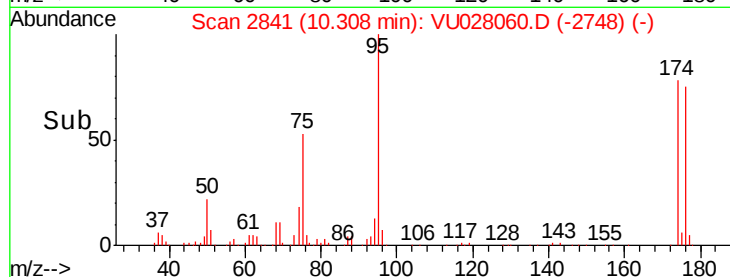
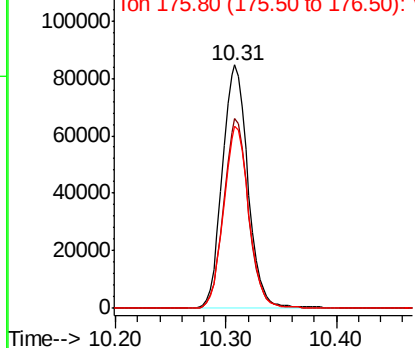
#62
4-Bromofluorobenzene
Concen: 46.903 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028060.D
Acq: 12 Nov 2018 13:20

Instrument :
MSVOA_U
ClientSampled :
MW-8

Tot Ion: 95 Resp: 136648
Ion Ratio Lower Upper
95 100
174 75.1 0.0 156.4
176 73.5 0.0 150.8

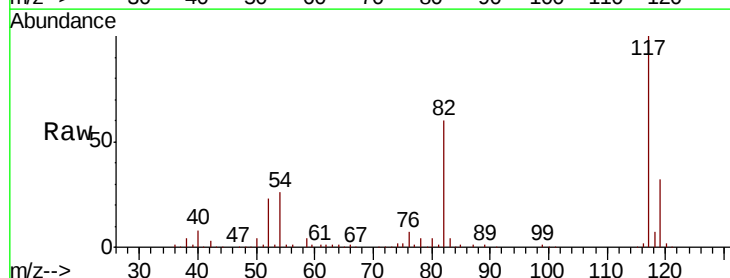


Abundance Ion 94.90 (94.60 to 95.60): VU027906.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU027906.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU027906.D (-2828) (-)

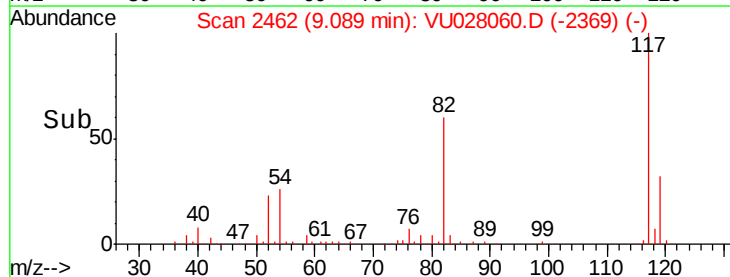
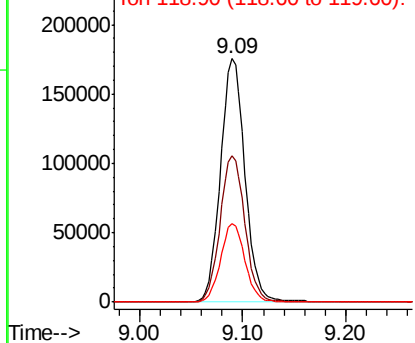


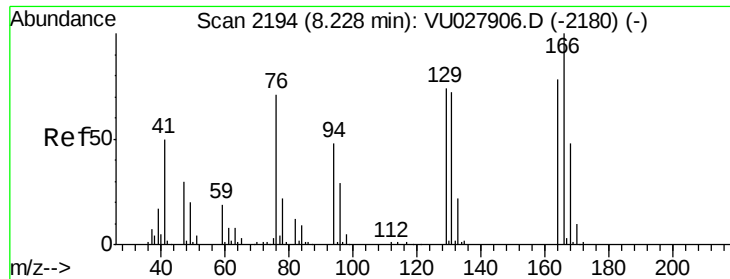
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028060.D
Acq: 12 Nov 2018 13:20

Tgt Ion: 117 Resp: 290389
Ion Ratio Lower Upper
117 100
82 60.0 48.6 73.0
119 32.4 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VU027906.D (-2448) (-)
Ion 82.00 (81.70 to 82.70): VU027906.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): VU027906.D (-2448) (-)

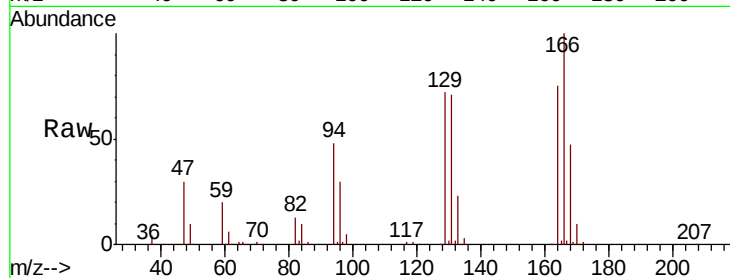




#64
Tetrachloroethene
Concen: 69.093 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028060.D
Acq: 12 Nov 2018 13:20

Instrument :
MSVOA_U
ClientSampleId :
MW-8

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.7	102.1	153.1
129	95.9	75.9	113.9
131	93.8	73.0	109.6



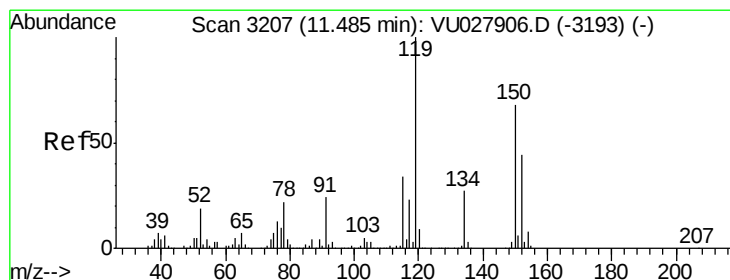
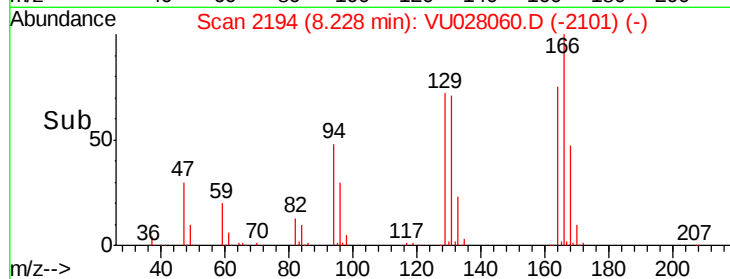
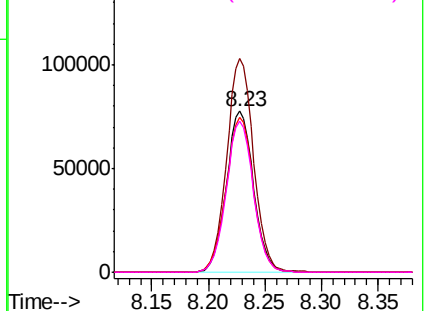
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

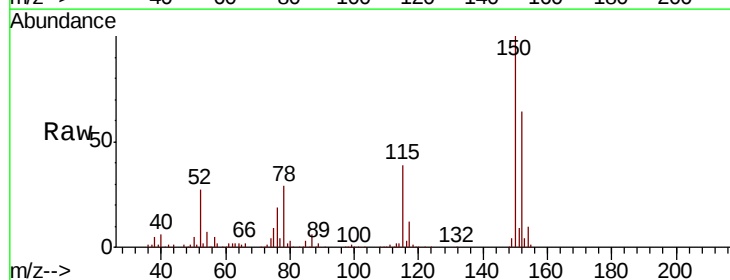
Ion 128.80 (128.50 to 129.50): V

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: VU028060.D
Acq: 12 Nov 2018 13:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	43.0	129.0
150	157.7	0.0	349.4

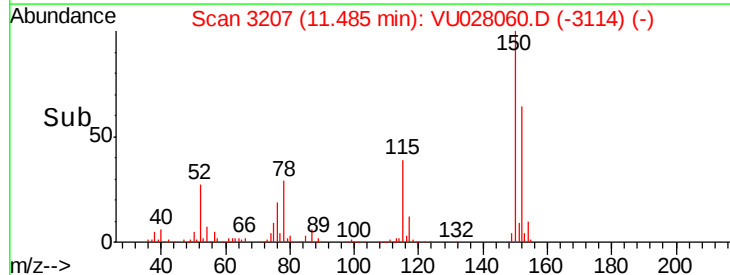
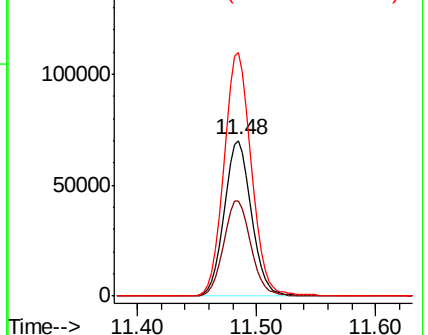


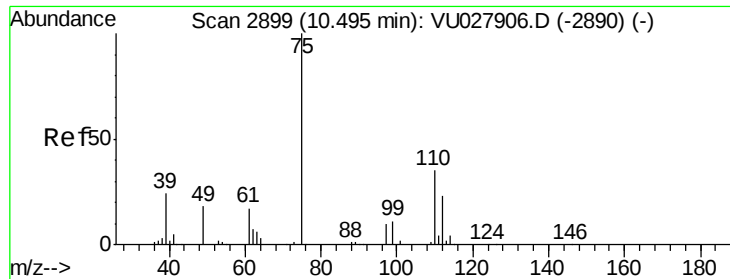
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 23.784 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampled :

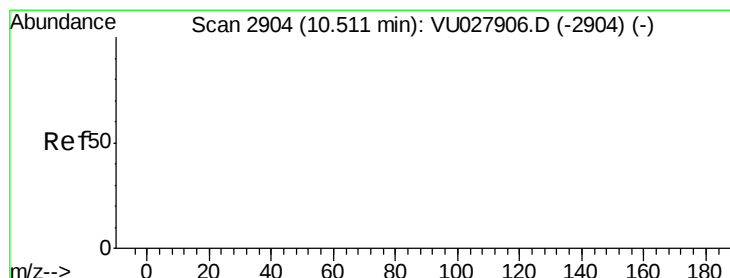
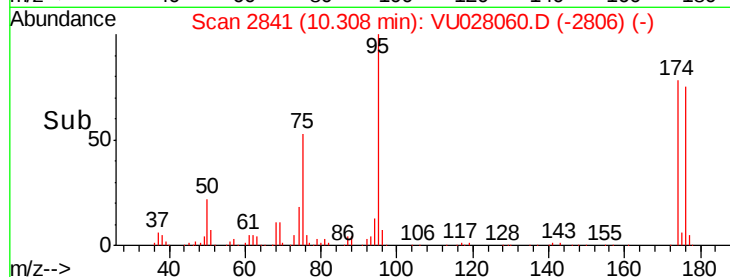
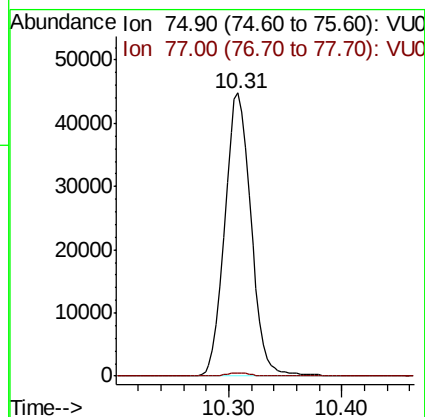
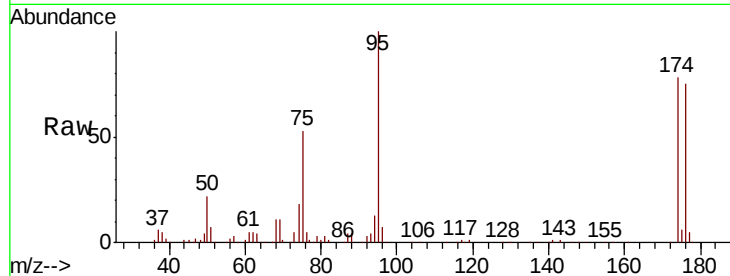
MW-8

Tot Ion: 75 Resp: 72337

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.335 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

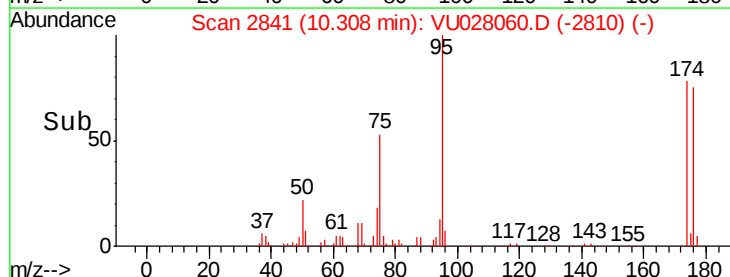
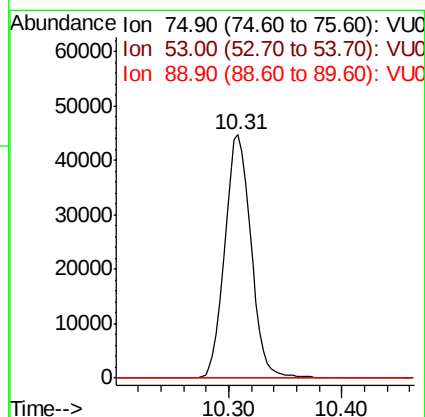
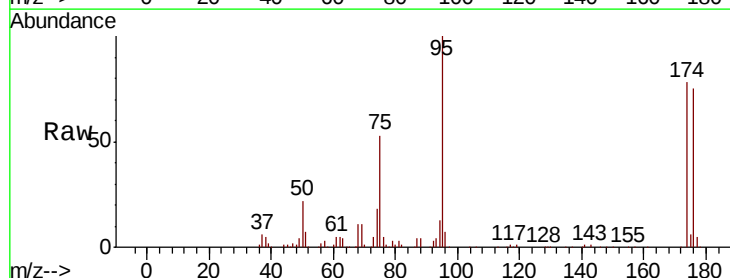
Tgt Ion: 75 Resp: 72337

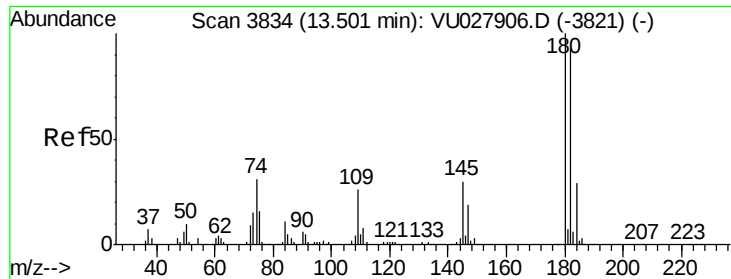
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#93

1,2,4-Trichlorobenzene

Concen: 0.775 ug/l

RT: 13.53 min Scan# 3844

Delta R.T. 0.03 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampleId :

MW-8

Tot Ion:180 Resp: 237

Ion Ratio Lower Upper

180 100

182 67.9 48.4 145.2

145 0.0 14.9 44.5#

