

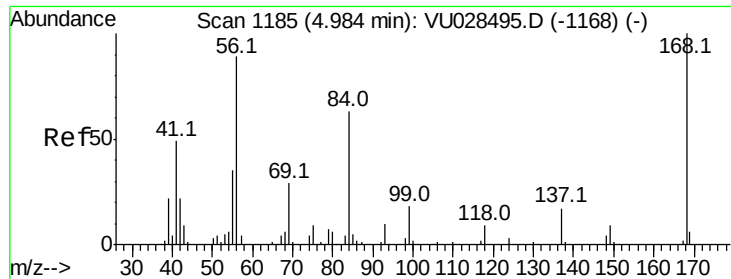
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121918\
 Data File : VU028800.D
 Acq On : 19 Dec 2018 17:45
 Operator : MD/SY
 Sample : J6449-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-17B_R1

Quant Time: Dec 20 03:22:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	116106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	201888	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	178767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69315	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	79373	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
35) Dibromofluoromethane	4.88	113	66979	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	7.57	98	253060	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	10.30	95	78617	41.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.70%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	982	0.343	ug/l	95
11) Tert butyl alcohol	2.84	59	545	1.381	ug/l #	73
16) Acetone	2.32	43	1087	0.940	ug/l	92
18) Methyl Acetate	2.63	43	780	0.260	ug/l #	56
27) cis-1,2-Dichloroethene	4.23	96	4913	2.982	ug/l	83
31) Cyclohexane	4.98	56	2185	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8538	3.865	ug/l #	50
38) Carbon Tetrachloride	4.98	117	10490	5.891	ug/l #	15
44) Trichloroethene	6.19	130	693	0.479	ug/l	88
51) 4-Methyl-2-Pentanone	7.57	43	983	0.345	ug/l #	1
60) Dibromochloromethane	8.23	129	898	0.606	ug/l #	10
64) Tetrachloroethene	8.23	164	918	0.770	ug/l	93
76) 1,2,3-Trichloropropane	10.30	75	37729	21.316	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	37729	52.384	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028800.D

Acq: 19 Dec 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

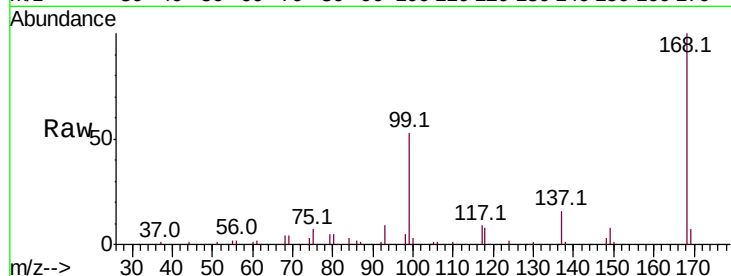
MW-17B_R1

Tot Ion:168 Resp: 116106

Ion Ratio Lower Upper

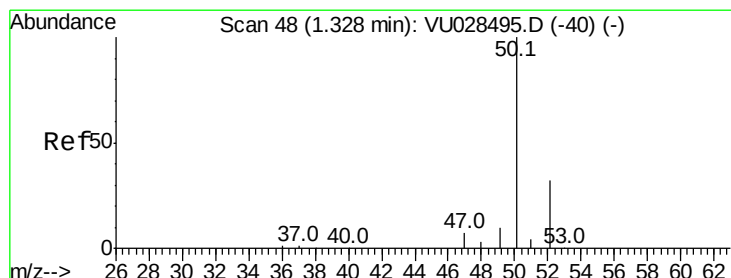
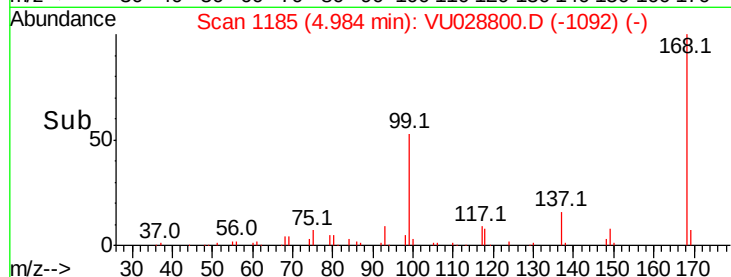
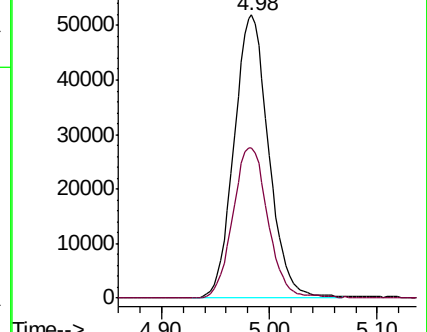
168 100

99 53.0 46.6 69.8



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

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



#3

Chloromethane

Concen: 0.343 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028800.D

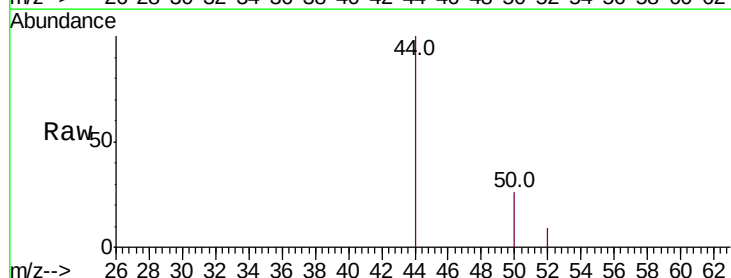
Acq: 19 Dec 2018 17:45

Tgt Ion: 50 Resp: 982

Ion Ratio Lower Upper

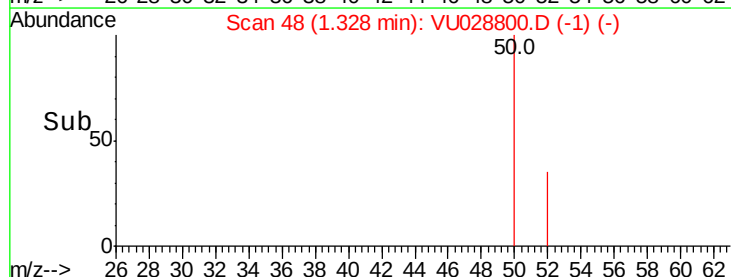
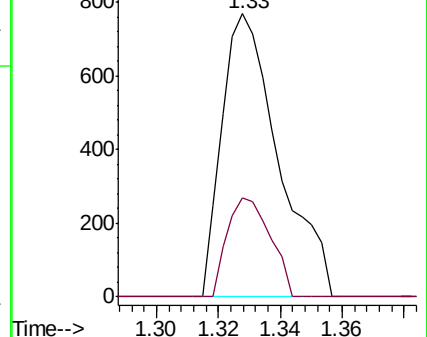
50 100

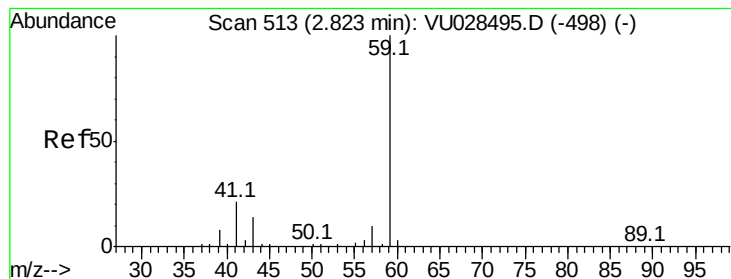
52 34.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)



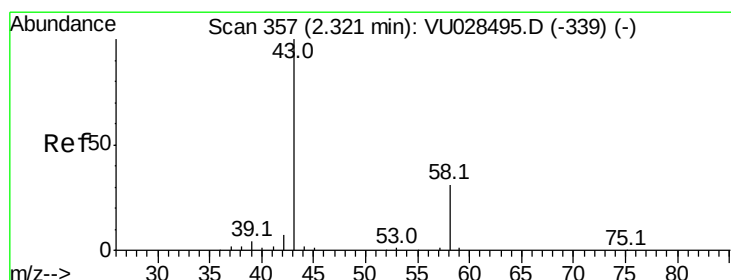
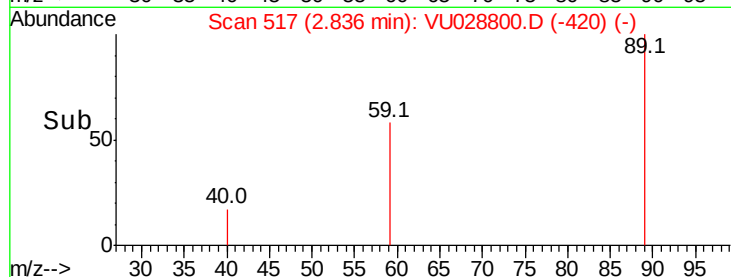
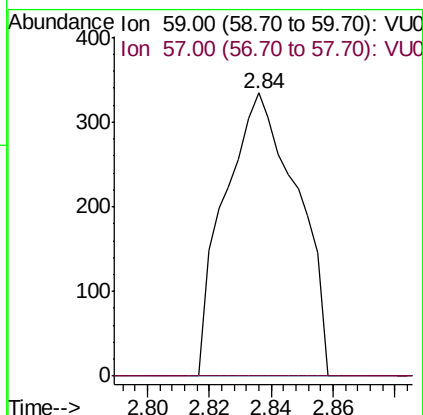
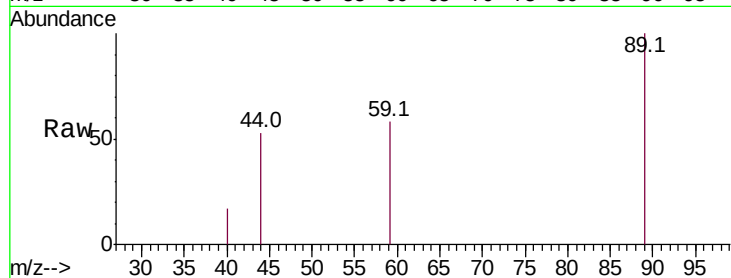


#11

Tert butyl alcohol
 Concen: 1.381 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU028800.D
 Acq: 19 Dec 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-17B_R1

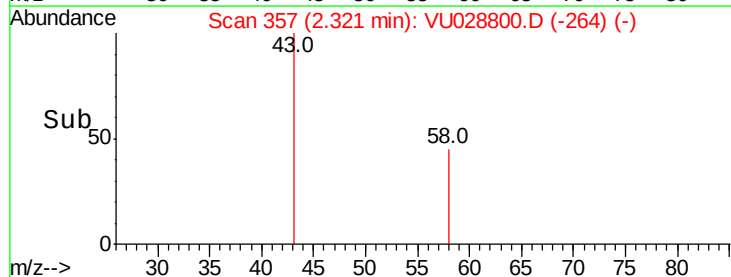
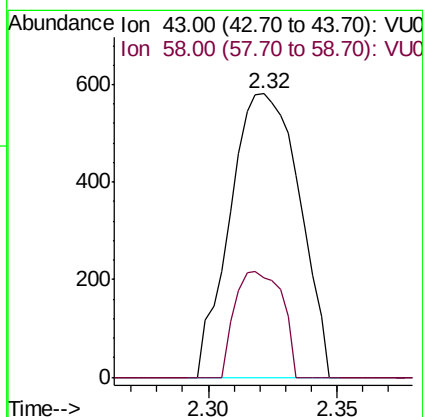
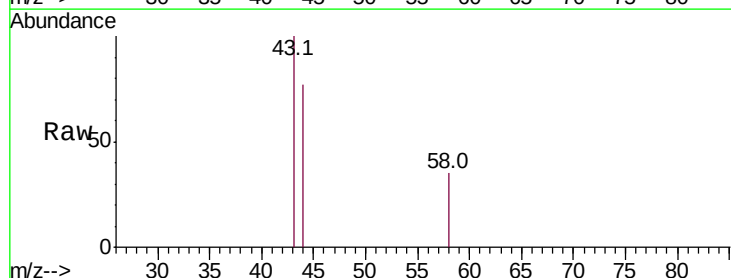
Tot Ion: 59 Resp: 545
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

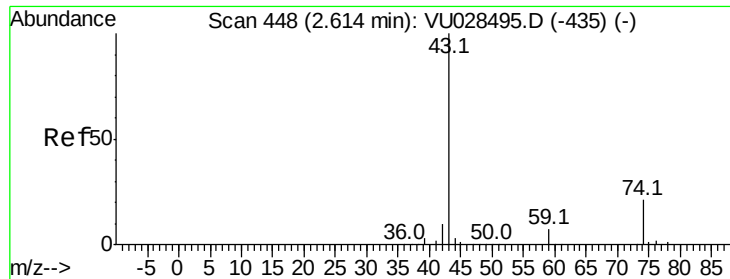


#16

Acetone
 Concen: 0.940 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028800.D
 Acq: 19 Dec 2018 17:45

Tgt Ion: 43 Resp: 1087
 Ion Ratio Lower Upper
 43 100
 58 35.1 24.6 37.0

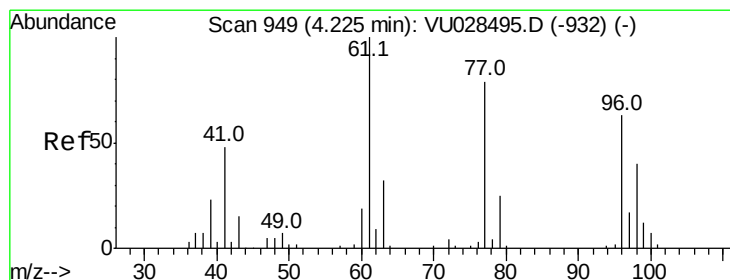
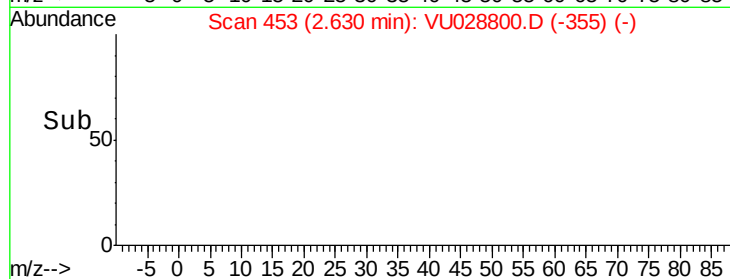
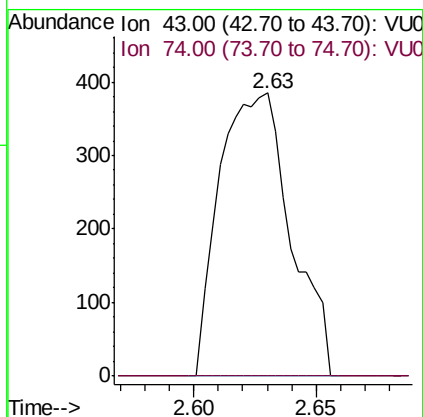
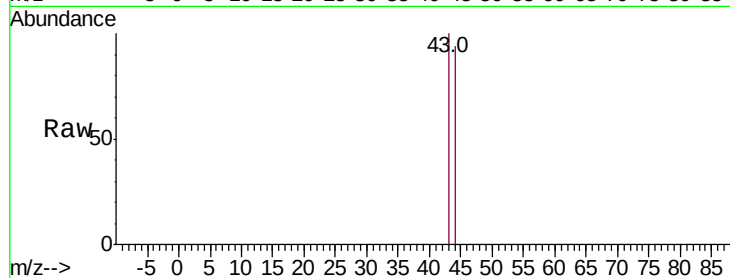




#18
Methvl Acetate
Concen: 0.260 ug/l
RT: 2.63 min Scan# 453
Delta R.T. 0.02 min
Lab File: VU028800.D
Acq: 19 Dec 2018 17:45

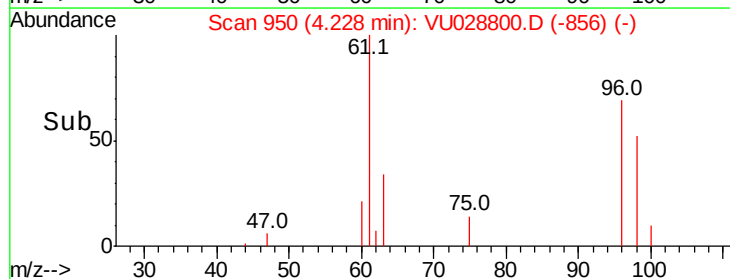
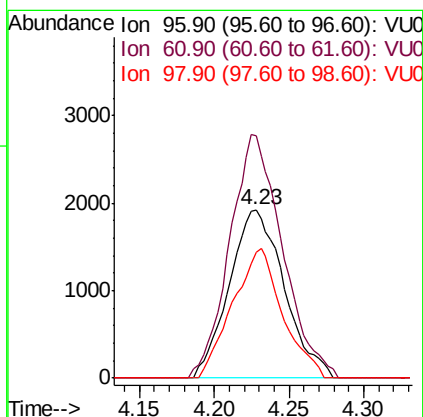
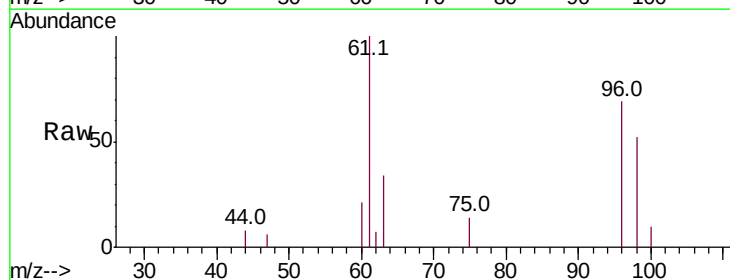
Instrument :
MSVOA_U
ClientSampleId :
MW-17B_R1

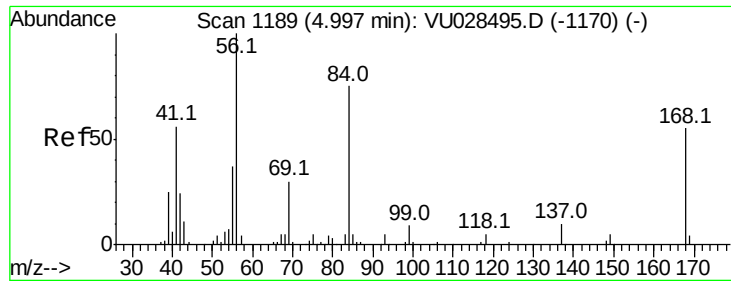
Tot Ion: 43 Resp: 780
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#27
cis-1,2-Dichloroethene
Concen: 2.982 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028800.D
Acq: 19 Dec 2018 17:45

Tgt Ion: 96 Resp: 4913
Ion Ratio Lower Upper
96 100
61 138.7 0.0 332.4
98 69.9 0.0 129.0

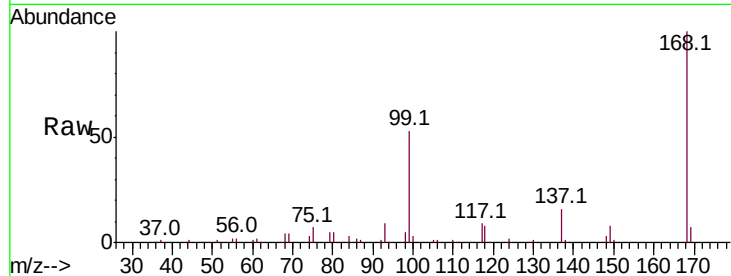




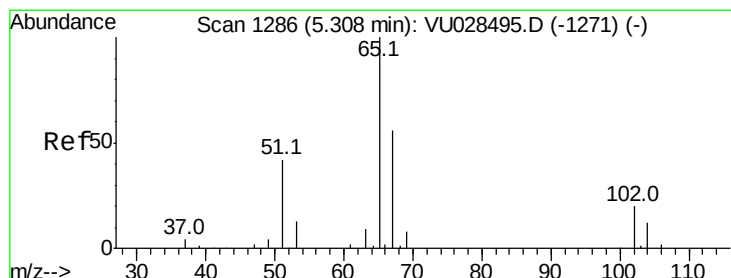
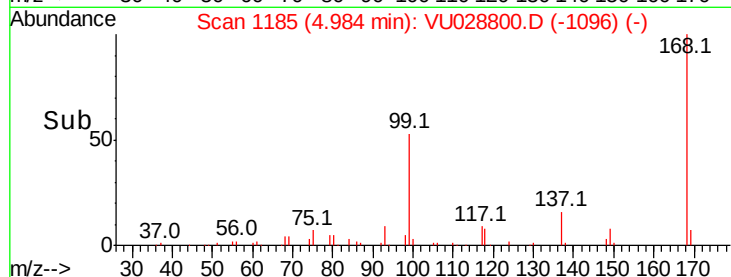
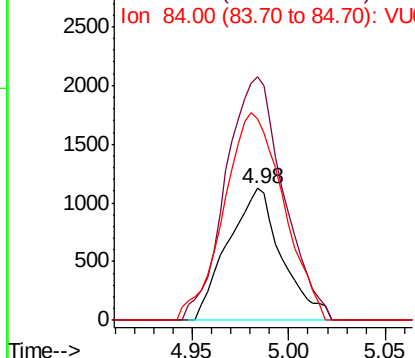
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028800.D
Acq: 19 Dec 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :
MW-17B_R1

Tot Ion: 56 Resp: 2185
Ion Ratio Lower Upper
56 100
69 184.9 24.0 36.0#
84 153.2 59.7 89.5#

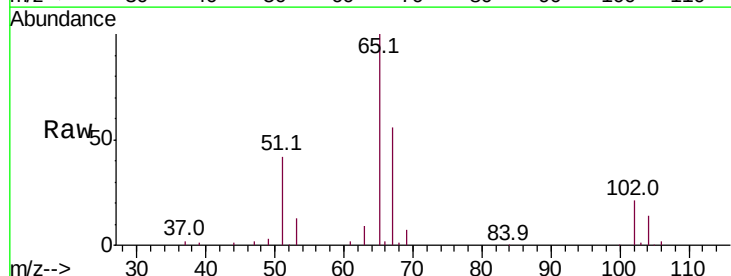


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

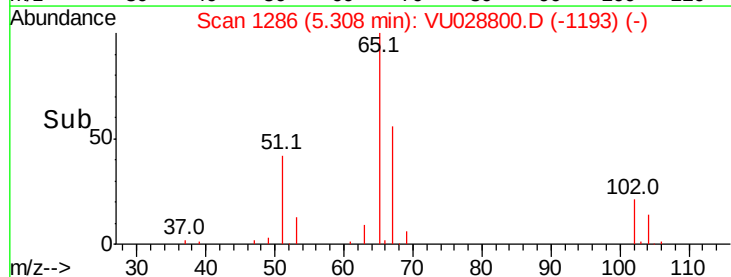
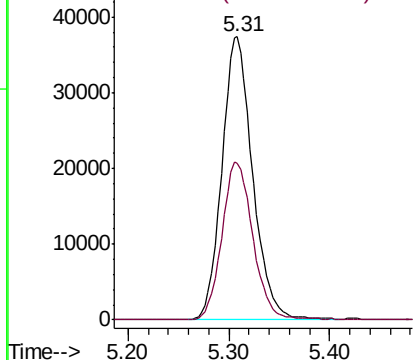


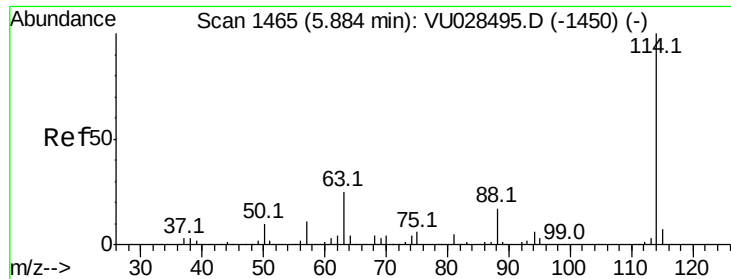
#33
1,2-Dichloroethane-d4
Concen: 44.797 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028800.D
Acq: 19 Dec 2018 17:45

Tgt Ion: 65 Resp: 79373
Ion Ratio Lower Upper
65 100
67 55.9 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

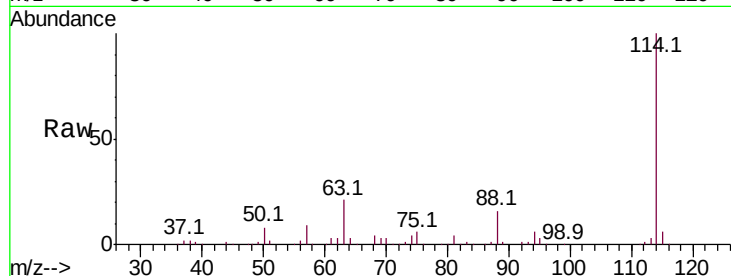




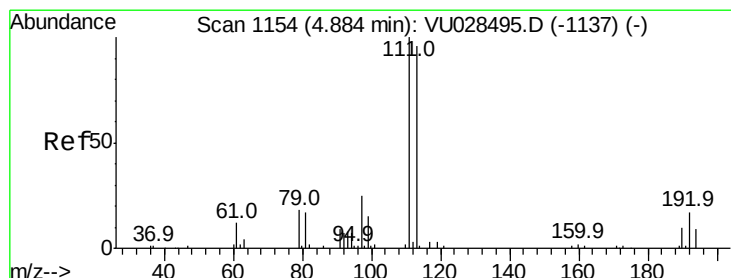
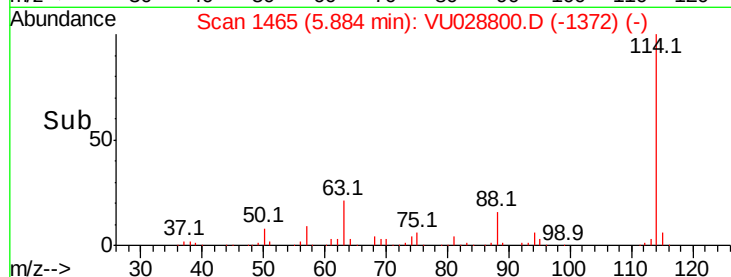
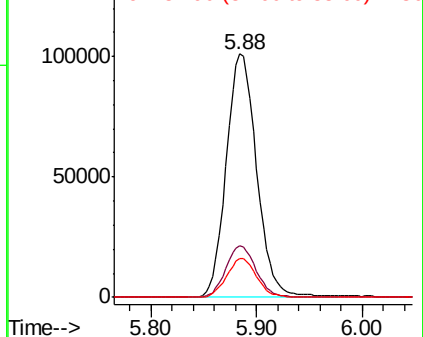
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028800.D
 Acq: 19 Dec 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-17B_R1

Tot Ion:	114	Resp:	201888
Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	49.2
88	15.9	0.0	33.4

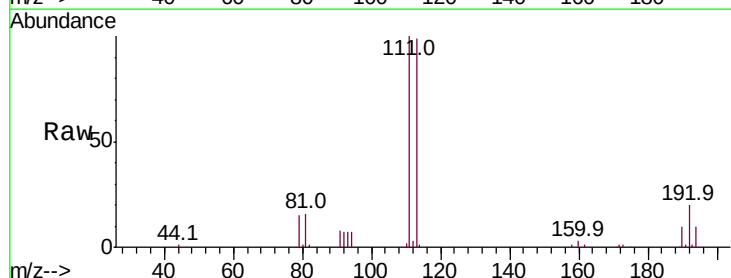


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

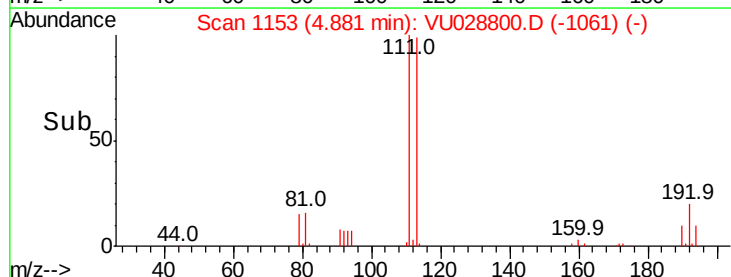
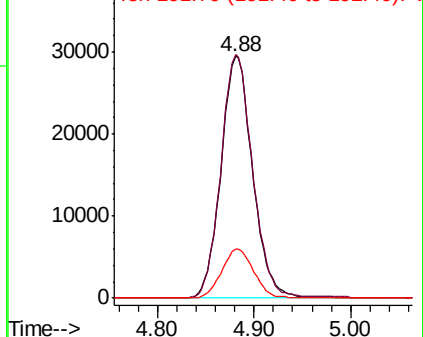


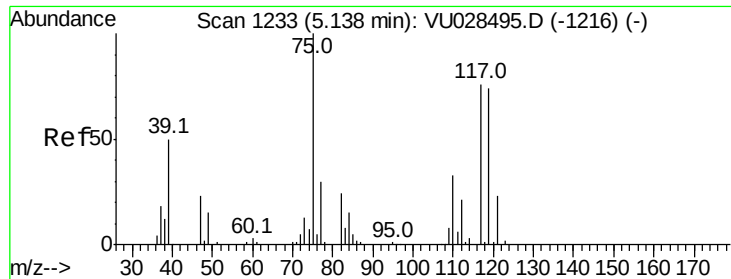
#35
 Dibromofluoromethane
 Concen: 52.719 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028800.D
 Acq: 19 Dec 2018 17:45

Tgt Ion:	113	Resp:	66979
Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.4	125.0
192	20.4	14.8	22.2



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





#36

1,1-Dichloropropene

Concen: 3.865 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028800.D

Acq: 19 Dec 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

MW-17B_R1

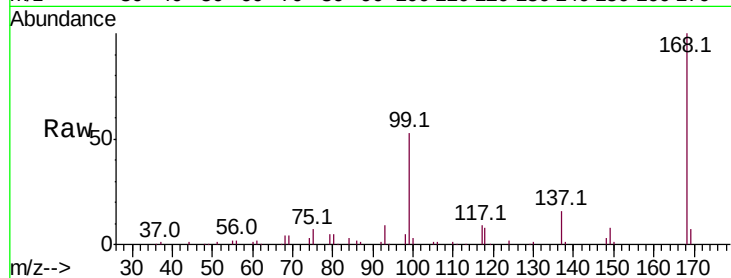
Tot Ion: 75 Resp: 8538

Ion Ratio Lower Upper

75 100

110 7.5 16.1 48.2#

77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VU028800.D (-1140) (-)

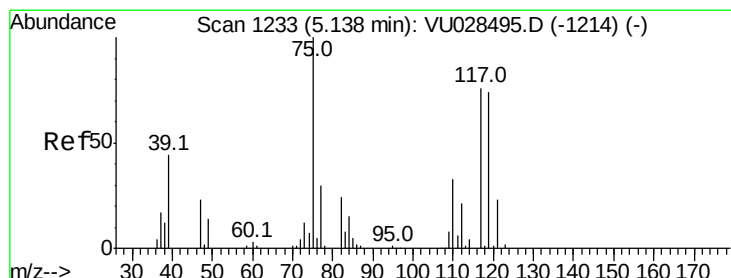
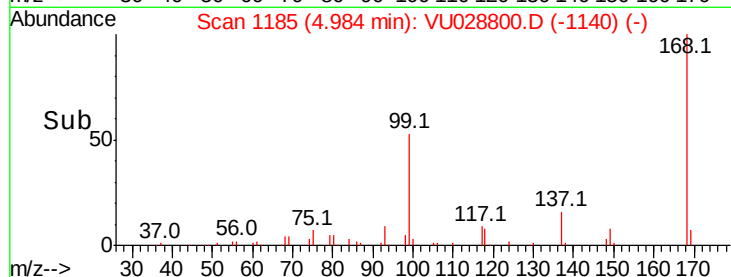
Ion 109.90 (109.60 to 110.60): VU028800.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU028800.D (-1140) (-)

4.98

4.90 4.95 5.00 5.05

Time-->



#38

Carbon Tetrachloride

Concen: 5.891 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028800.D

Acq: 19 Dec 2018 17:45

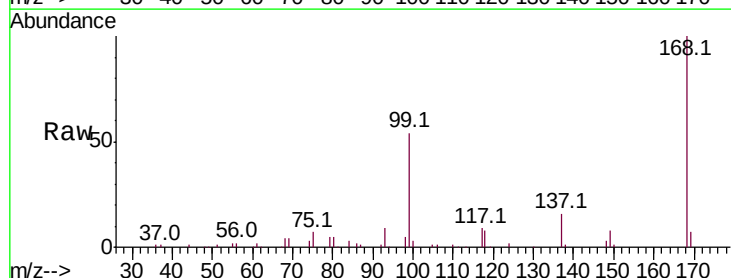
Tgt Ion: 117 Resp: 10490

Ion Ratio Lower Upper

117 100

119 5.0 77.6 116.4#

121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): VU028800.D (-1140) (-)

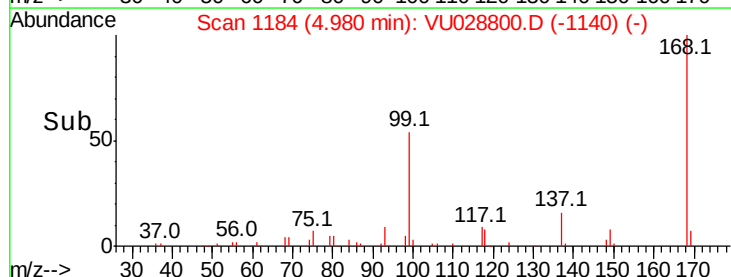
Ion 118.80 (118.50 to 119.50): VU028800.D (-1140) (-)

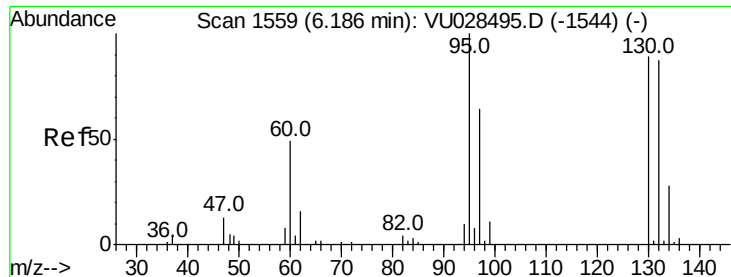
Ion 120.80 (120.50 to 121.50): VU028800.D (-1140) (-)

4.98

4.90 4.95 5.00 5.05

Time-->





#44

Trichloroethene

Concen: 0.479 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028800.D

Acq: 19 Dec 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

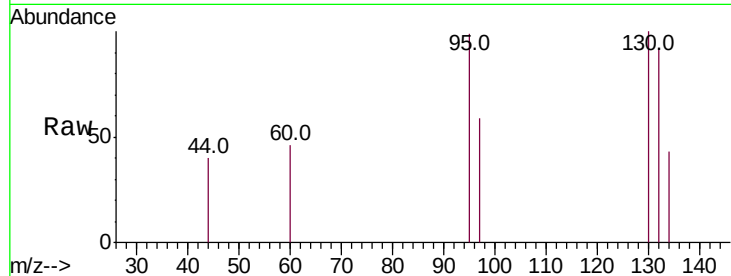
MW-17B_R1

Tot Ion:130 Resp: 693

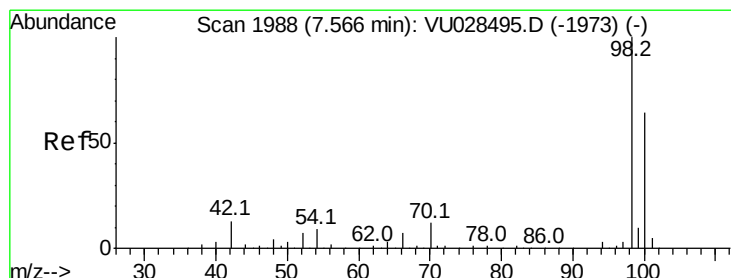
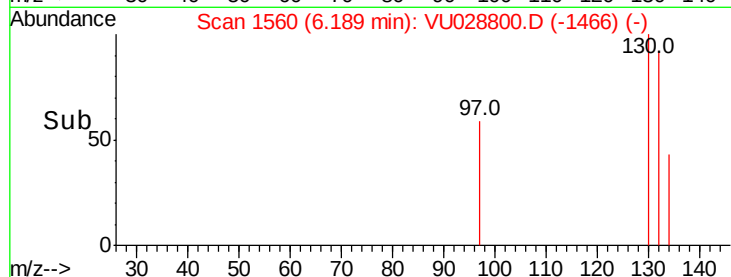
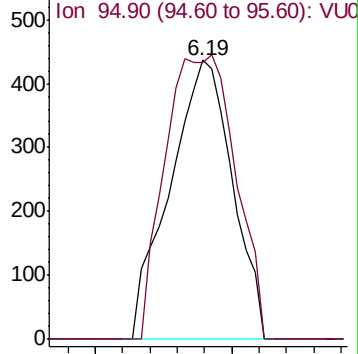
Ion Ratio Lower Upper

130 100

95 99.1 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028800.D (-1466) (-)



#50

Toluene-d8

Concen: 50.352 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028800.D

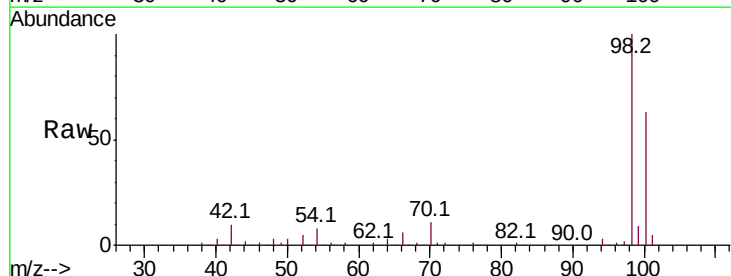
Acq: 19 Dec 2018 17:45

Tgt Ion: 98 Resp: 253060

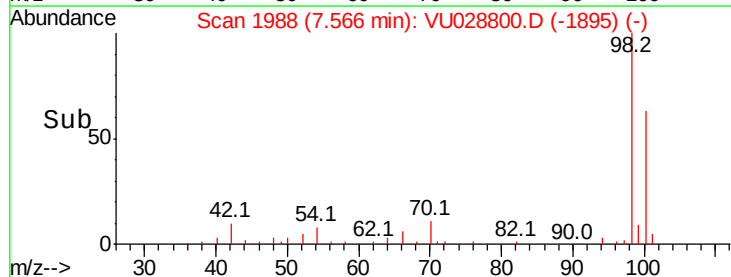
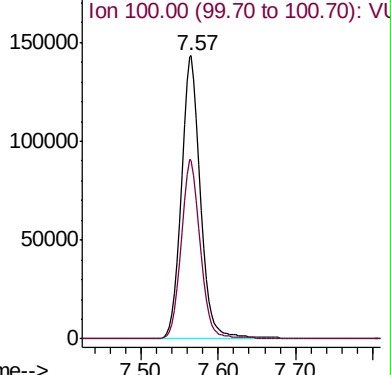
Ion Ratio Lower Upper

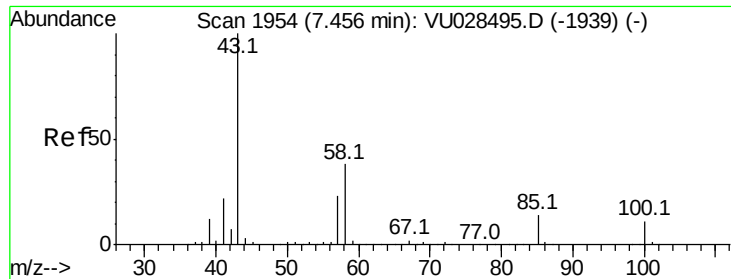
98 100

100 63.6 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028800.D (-1895) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.345 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028800.D

Acq: 19 Dec 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

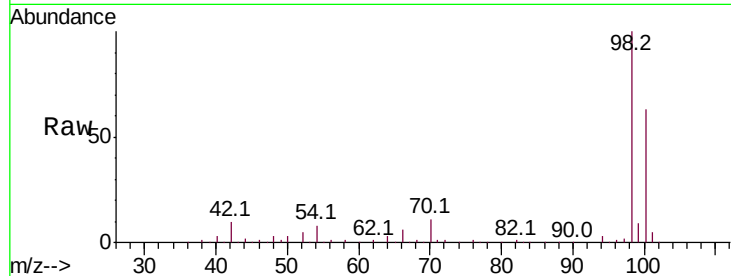
MW-17B_R1

Tot Ion: 43 Resp: 983

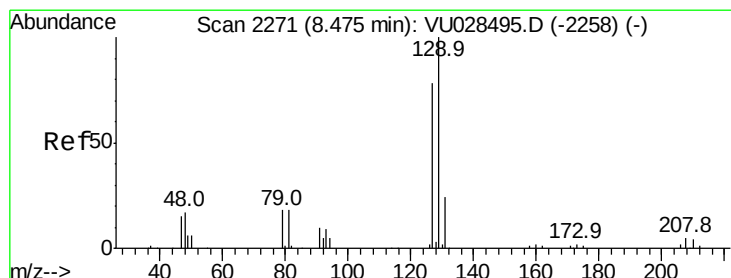
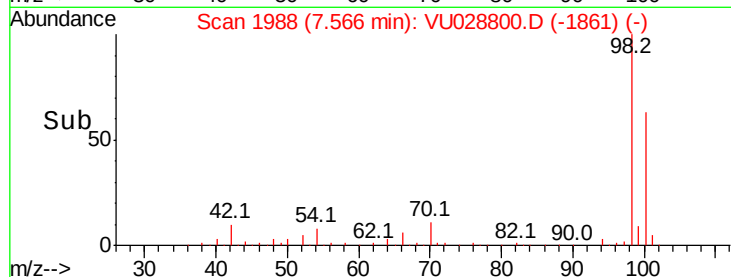
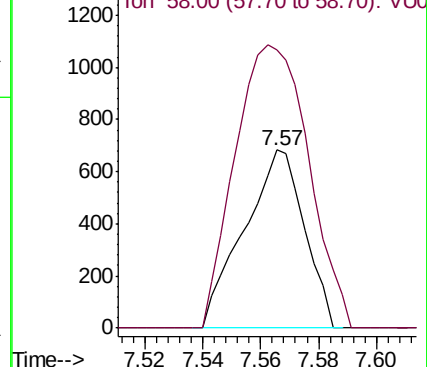
Ion Ratio Lower Upper

43 100

58 194.5 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028800.D (-1988) (-)



#60

Dibromochloromethane

Concen: 0.606 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. -0.24 min

Lab File: VU028800.D

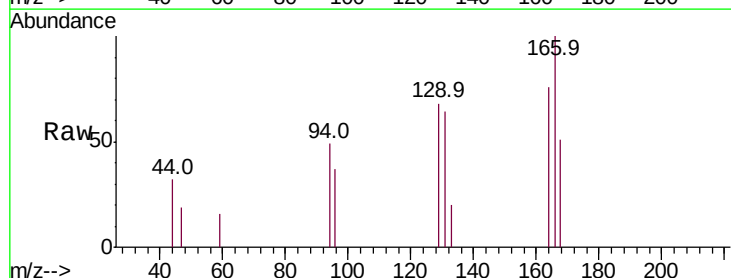
Acq: 19 Dec 2018 17:45

Tgt Ion: 129 Resp: 898

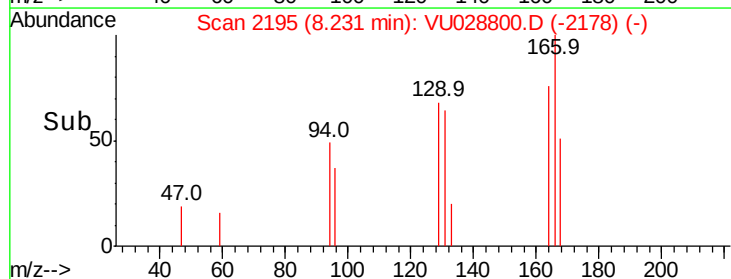
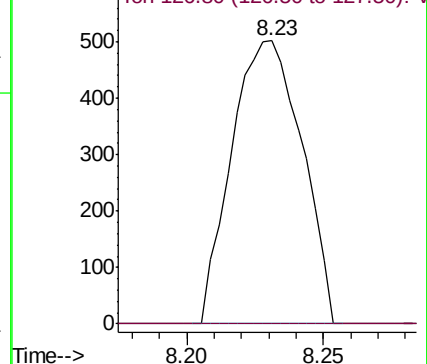
Ion Ratio Lower Upper

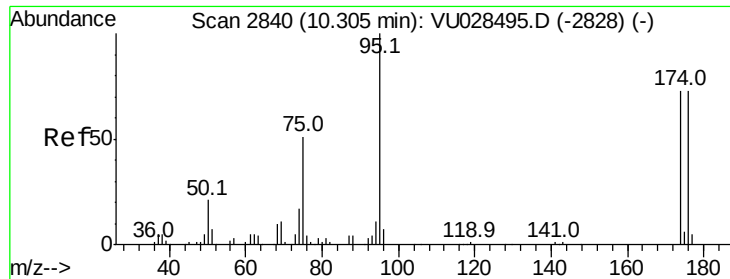
129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028800.D (-2195) (-)

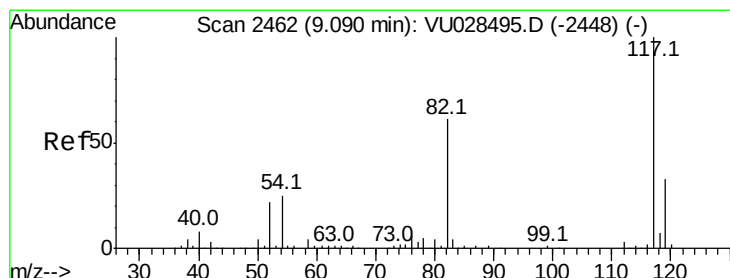
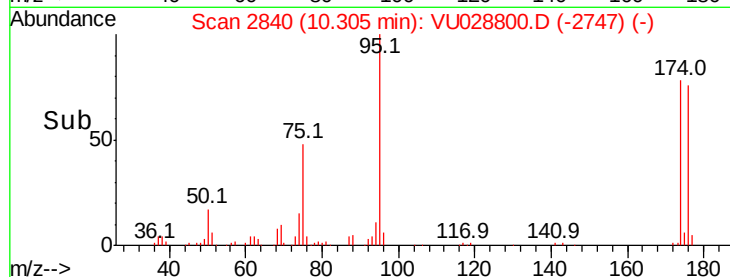
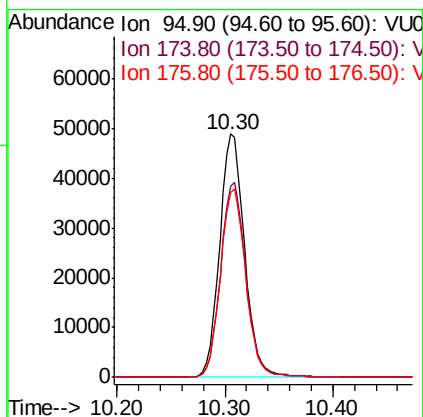
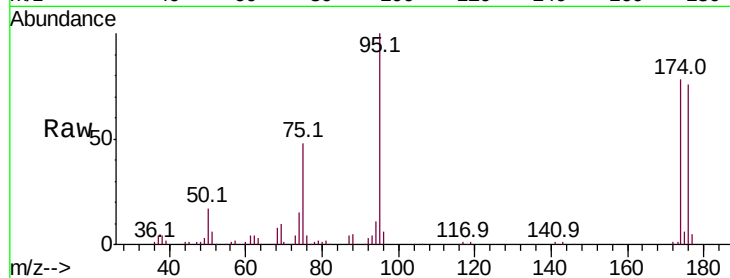




#62
4-Bromofluorobenzene
Concen: 41.851 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028800.D
Acq: 19 Dec 2018 17:45

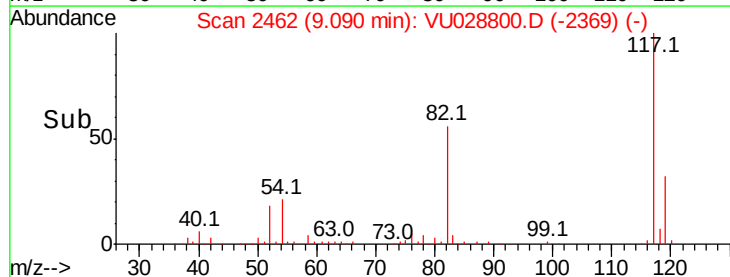
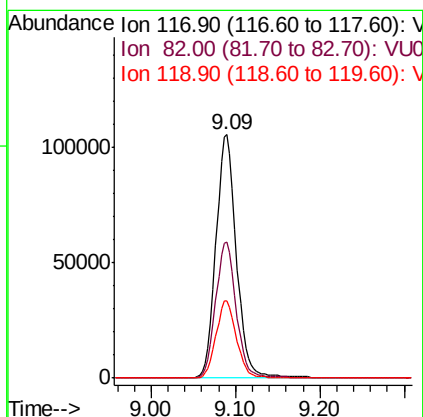
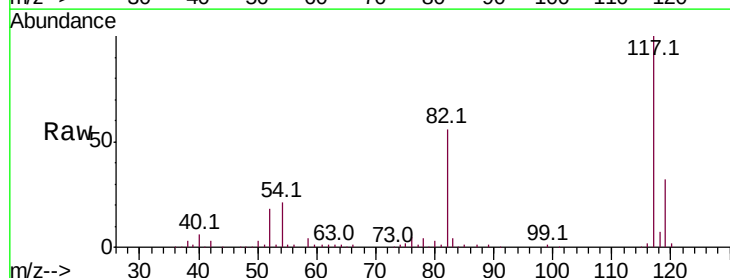
Instrument :
MSVOA_U
ClientSampleId :
MW-17B_R1

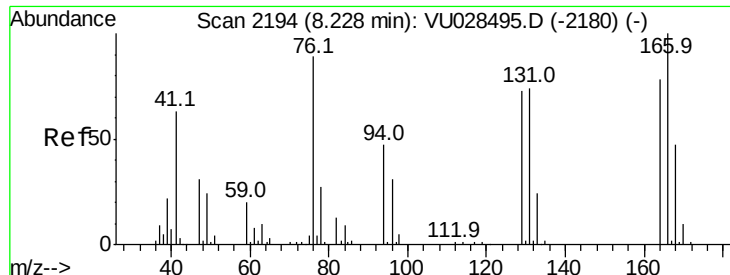
Tot Ion: 95 Resp: 78617
Ion Ratio Lower Upper
95 100
174 81.3 0.0 150.4
176 78.6 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028800.D
Acq: 19 Dec 2018 17:45

Tgt Ion: 117 Resp: 178767
Ion Ratio Lower Upper
117 100
82 56.0 48.9 73.3
119 31.5 26.2 39.4





#64

Tetrachloroethene

Concen: 0.770 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028800.D

Acq: 19 Dec 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

MW-17B_R1

Tot Ion:164 Resp: 918

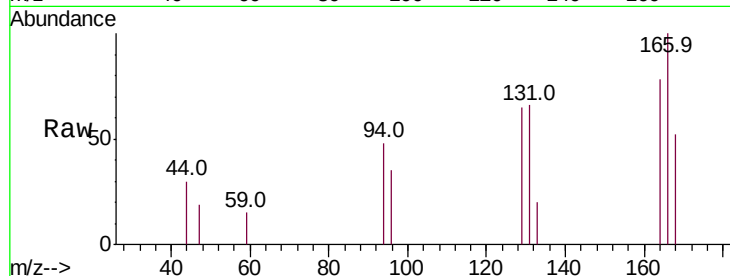
Ion Ratio Lower Upper

164 100

166 127.9 101.9 152.9

129 82.6 74.9 112.3

131 83.8 75.4 113.0

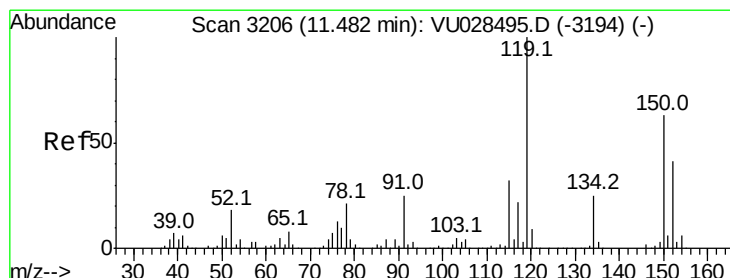
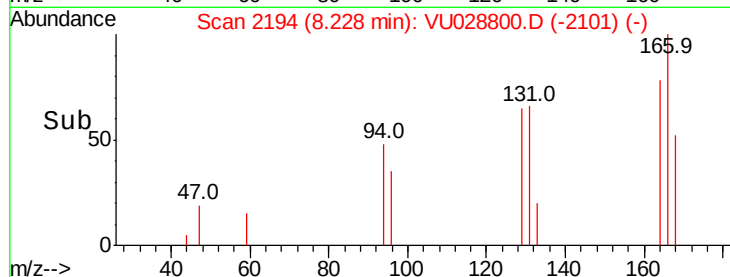
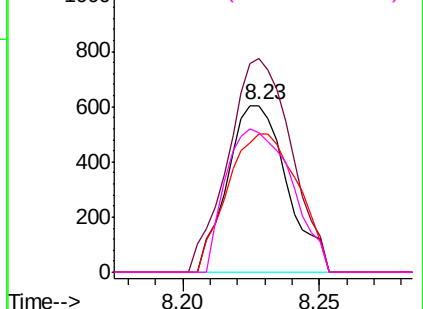


Abundance Ion 163.80 (163.50 to 164.50): V

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# 3206

Delta R.T. -0.00 min

Lab File: VU028800.D

Acq: 19 Dec 2018 17:45

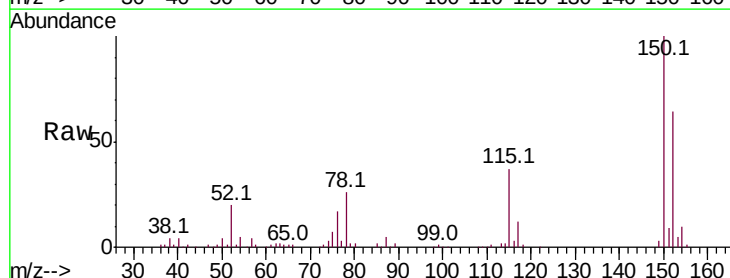
Tgt Ion:152 Resp: 69315

Ion Ratio Lower Upper

152 100

115 57.3 42.7 128.1

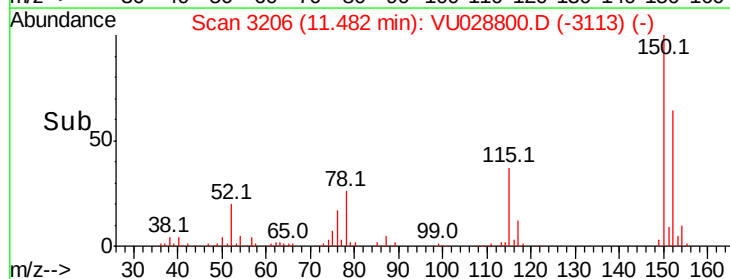
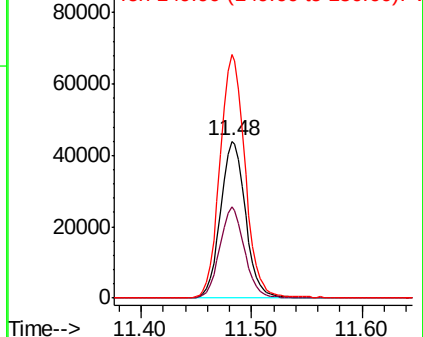
150 155.5 0.0 346.0

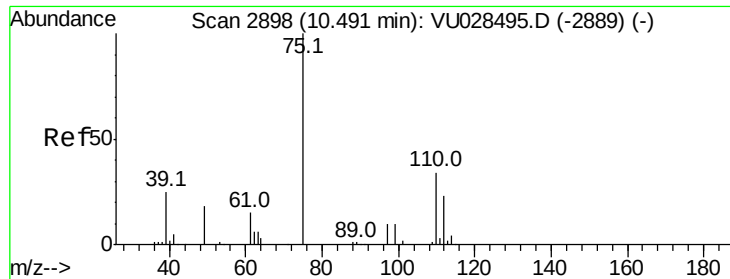


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

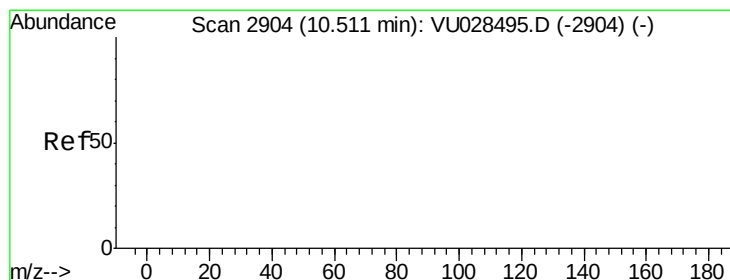
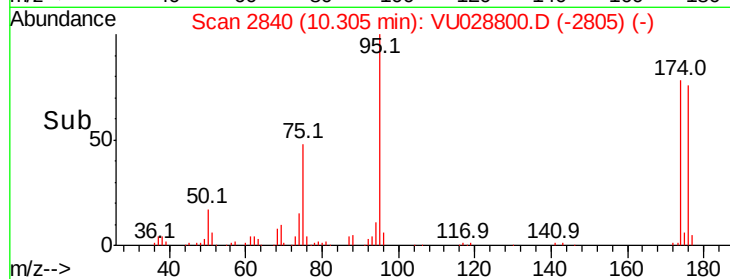
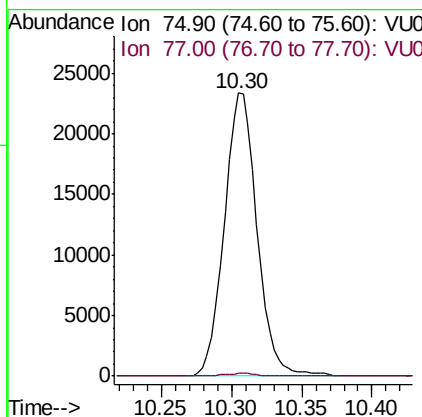
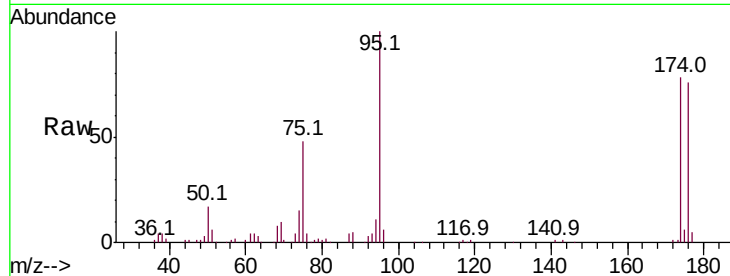




#76
 1,2,3-Trichloropropane
 Concen: 21.316 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028800.D
 Acq: 19 Dec 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-17B_R1

Tot Ion: 75 Resp: 37729
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.8 62.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.384 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU028800.D
 Acq: 19 Dec 2018 17:45

Tgt Ion: 75 Resp: 37729
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

