

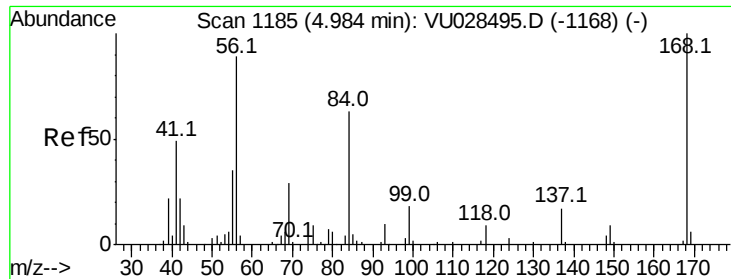
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121918\
 Data File : VU028801.D
 Acq On : 19 Dec 2018 18:09
 Operator : MD/SY
 Sample : J6449-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-17C_R1

Quant Time: Dec 20 03:22:13 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	122621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	207207	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	189530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74850	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	81450	43.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	
35) Dibromofluoromethane	4.88	113	68450	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	7.56	98	262216	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	10.30	95	82760	42.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.86%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	925	0.306	ug/l	98
11) Tert butyl alcohol	2.83	59	1720	4.126	ug/l #	73
16) Acetone	2.32	43	1342	1.099	ug/l	98
18) Methyl Acetate	2.63	43	781	0.247	ug/l #	56
27) cis-1,2-Dichloroethene	4.23	96	2816	1.619	ug/l	88
31) Cyclohexane	4.98	56	2069	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9141	4.031	ug/l #	50
38) Carbon Tetrachloride	4.98	117	10751	5.883	ug/l #	15
44) Trichloroethene	6.19	130	445	0.300	ug/l	65
51) 4-Methyl-2-Pentanone	7.56	43	1057	0.361	ug/l #	1
60) Dibromochloromethane	8.23	129	564	0.371	ug/l #	10
64) Tetrachloroethene	8.23	164	677	0.536	ug/l	86
76) 1,2,3-Trichloropropane	10.30	75	40346	21.109	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	40346	51.880	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: VU028801.D

Acq: 19 Dec 2018 18:09

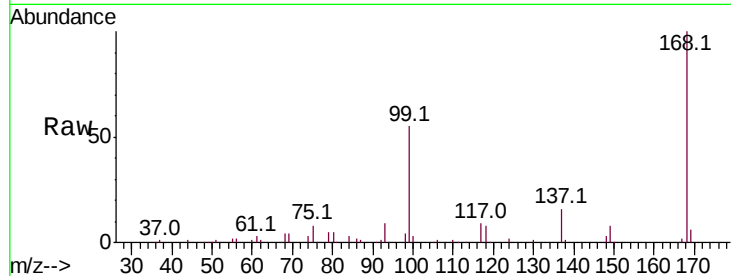
Instrument :
MSVOA_U
ClientSampleId :
MW-17C_R1

Tot Ion:168 Resp: 122621

Ion Ratio Lower Upper

168 100

99 54.6 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028801.D (-1092) (-)

4.98

60000

50000

40000

30000

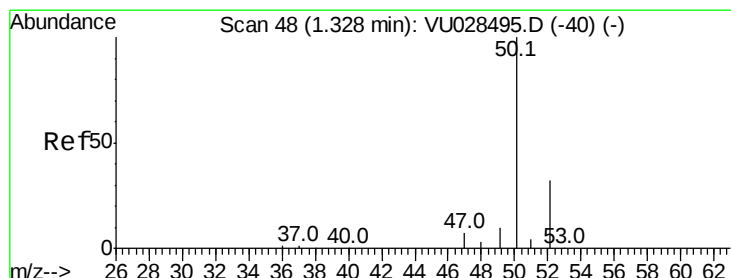
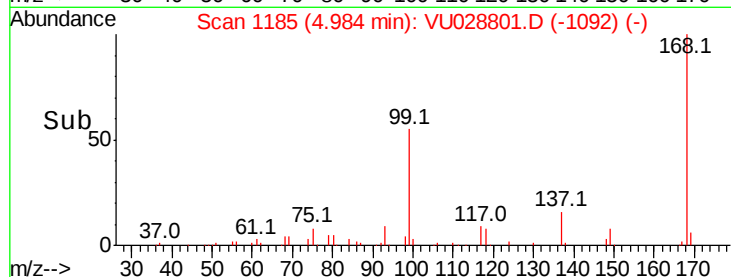
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.306 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028801.D

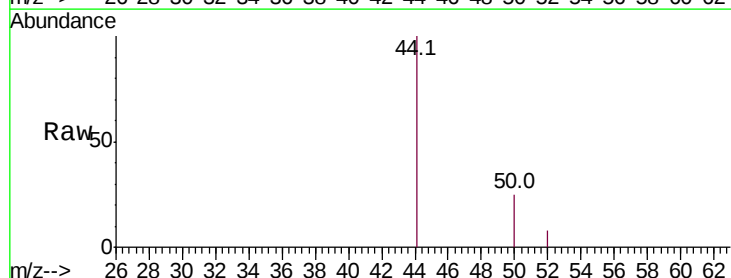
Acq: 19 Dec 2018 18:09

Tgt Ion: 50 Resp: 925

Ion Ratio Lower Upper

50 100

52 31.0 25.5 38.3



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

Ion 51.90 (51.60 to 52.60): VU028801.D (-1) (-)

1.33

800

600

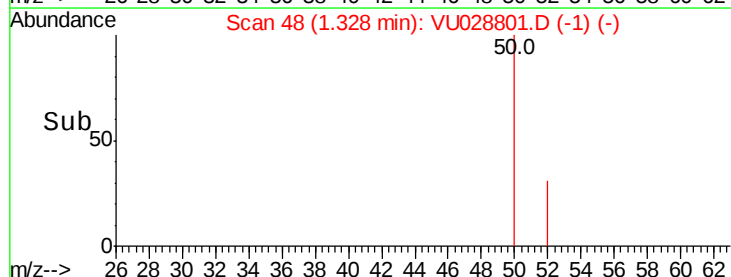
400

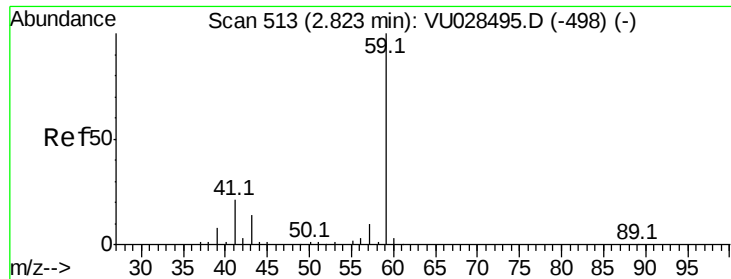
200

0

1.30 1.32 1.34 1.36

Time-->

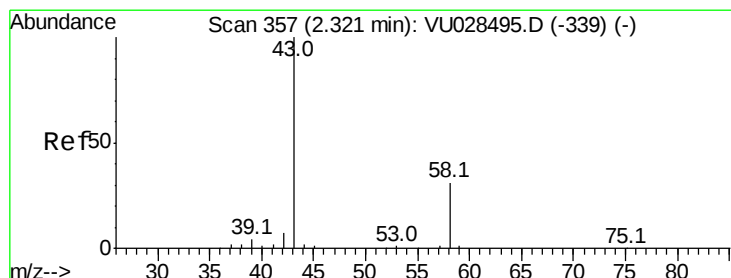
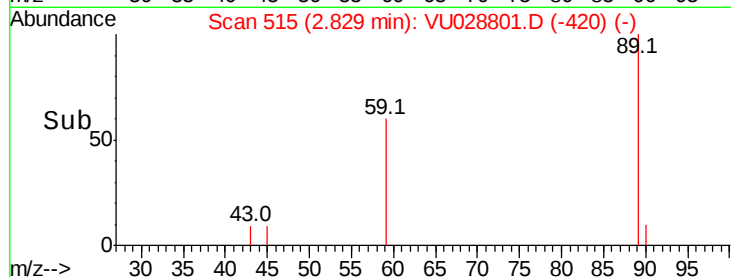
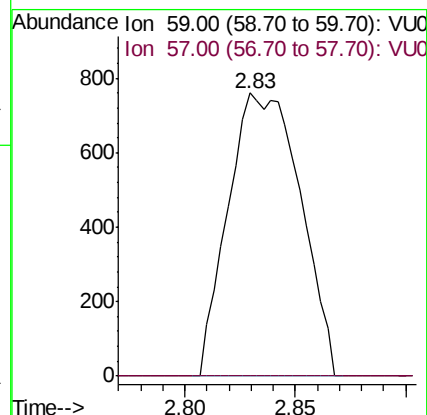
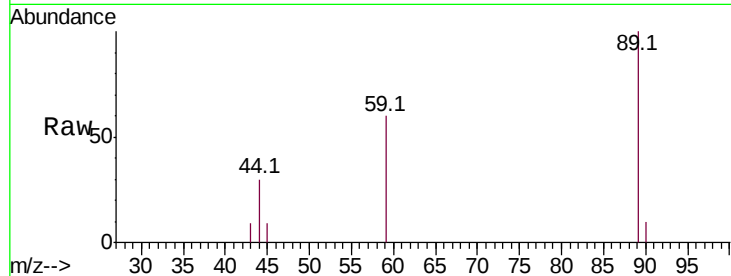




#11
Tert butyl alcohol
Concen: 4.126 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028801.D
Acq: 19 Dec 2018 18:09

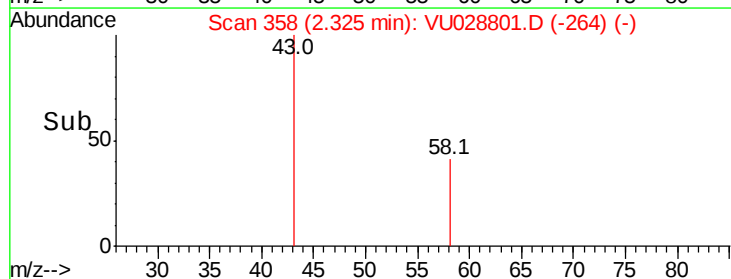
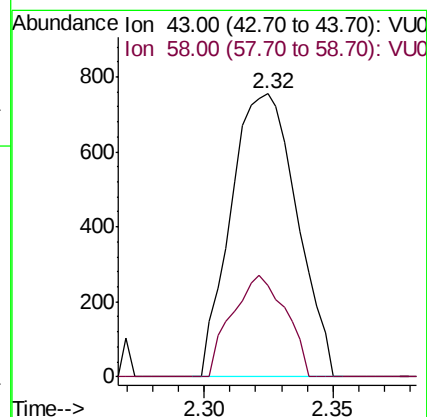
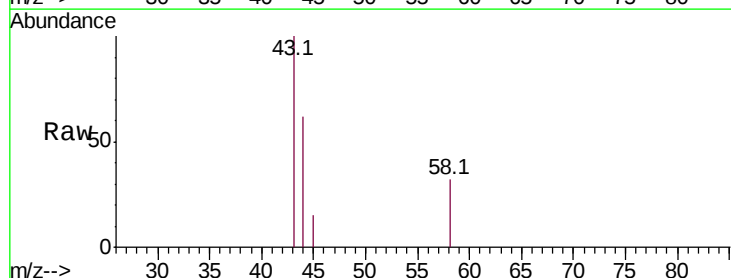
Instrument :
MSVOA_U
ClientSampleId :
MW-17C_R1

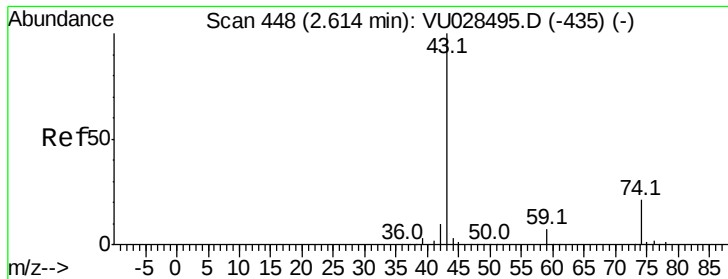
Tot Ion: 59 Resp: 1720
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 1.099 ug/l
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU028801.D
Acq: 19 Dec 2018 18:09

Tgt Ion: 43 Resp: 1342
Ion Ratio Lower Upper
43 100
58 32.1 24.6 37.0





#18

Methvl Acetate

Concen: 0.247 ug/l

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU028801.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

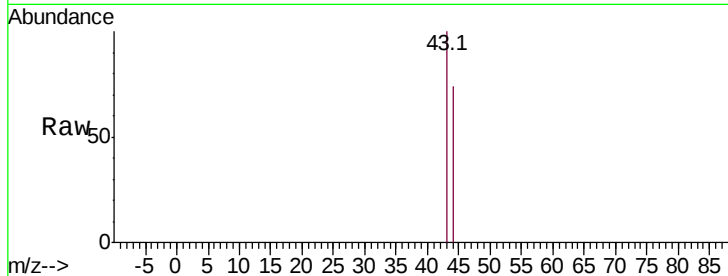
MW-17C_R1

Tot Ion: 43 Resp: 781

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.63

400

300

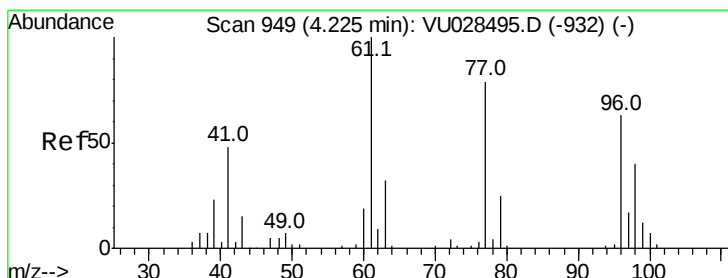
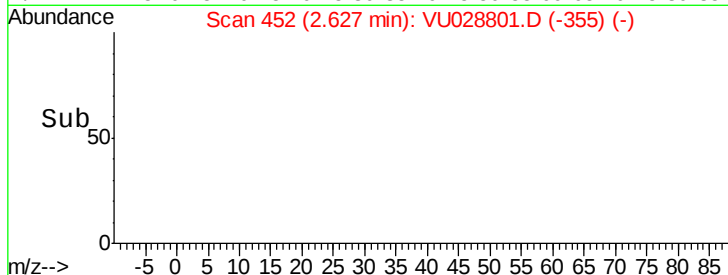
200

100

0

2.60 2.65

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.619 ug/l

RT: 4.23 min Scan# 952

Delta R.T. 0.01 min

Lab File: VU028801.D

Acq: 19 Dec 2018 18:09

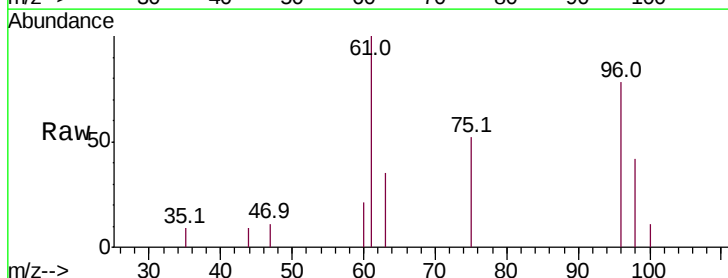
Tgt Ion: 96 Resp: 2816

Ion Ratio Lower Upper

96 100

61 145.3 0.0 332.4

98 60.7 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

2000

1500

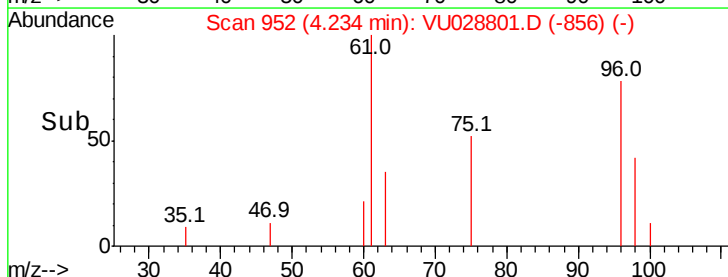
1000

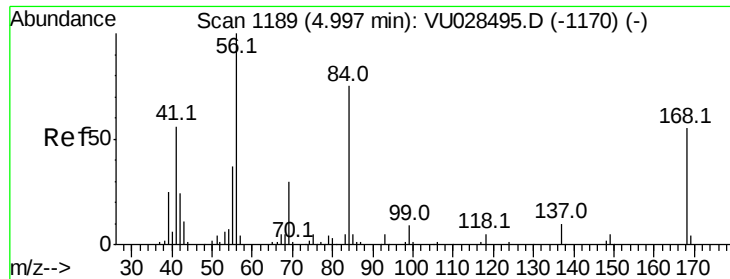
500

0

4.15 4.20 4.25 4.30

Time-->

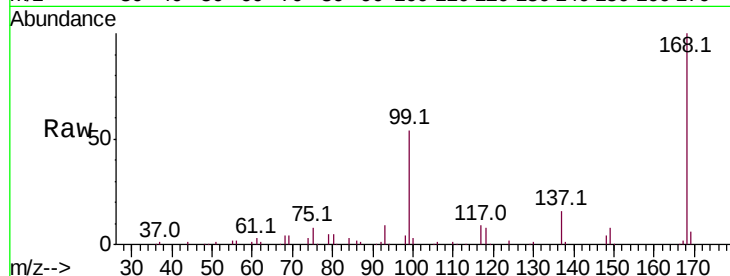




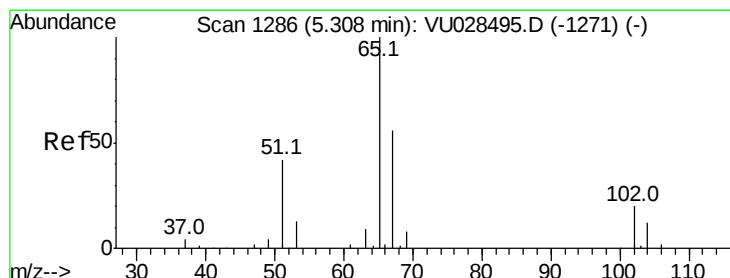
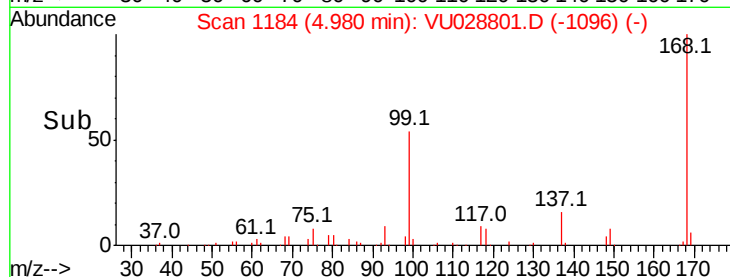
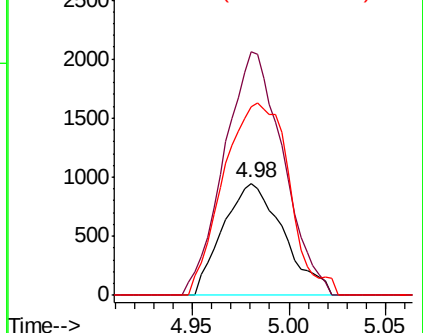
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028801.D
Acq: 19 Dec 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
MW-17C_R1

Tot Ion: 56 Resp: 2069
Ion Ratio Lower Upper
56 100
69 217.6 24.0 36.0#
84 168.7 59.7 89.5#

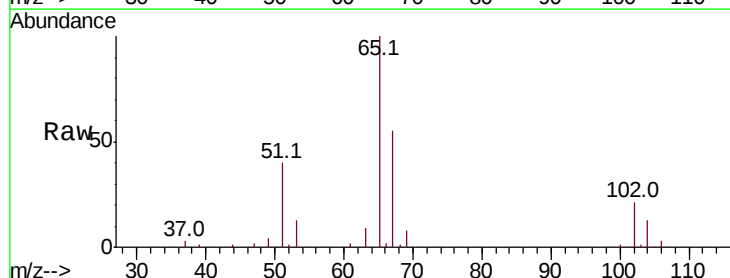


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

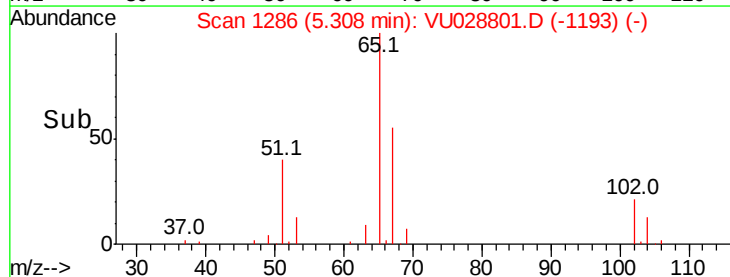
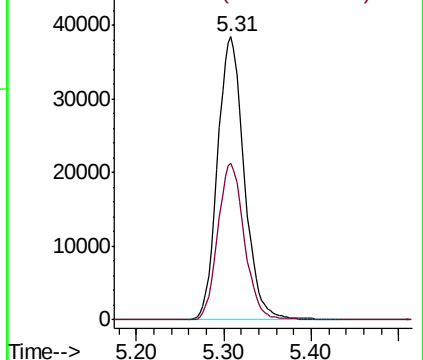


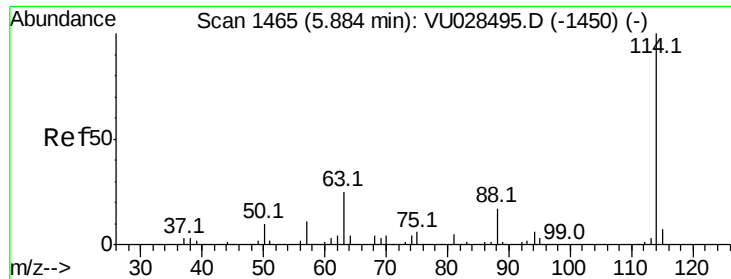
#33
1,2-Dichloroethane-d4
Concen: 43.526 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028801.D
Acq: 19 Dec 2018 18:09

Tgt Ion: 65 Resp: 81450
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.6



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

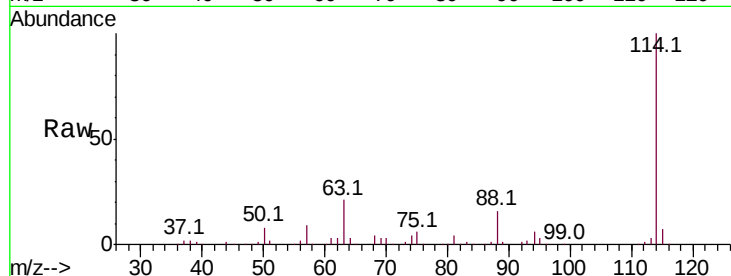




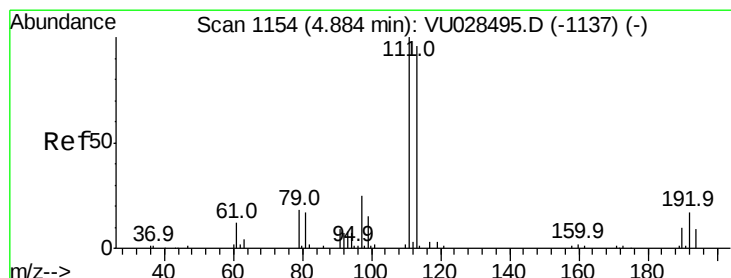
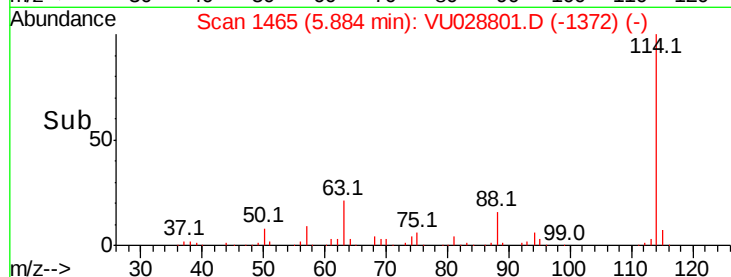
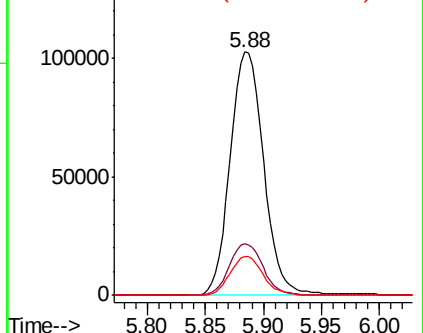
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028801.D
 Acq: 19 Dec 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-17C_R1

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	49.2
88	16.2	0.0	33.4

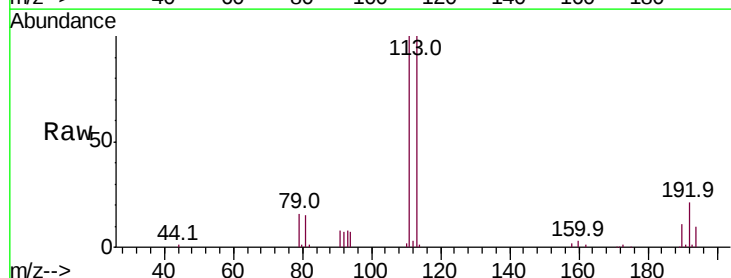


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

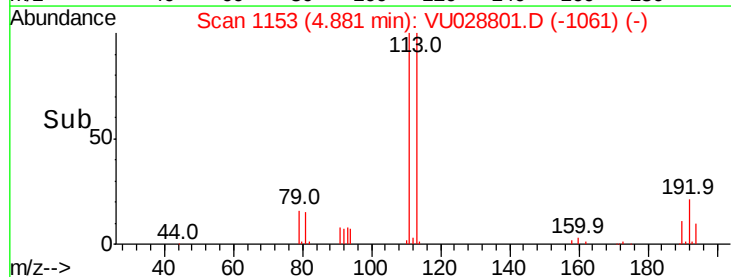
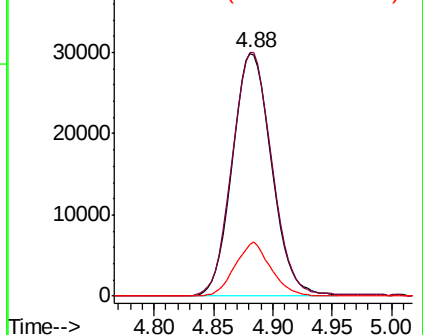


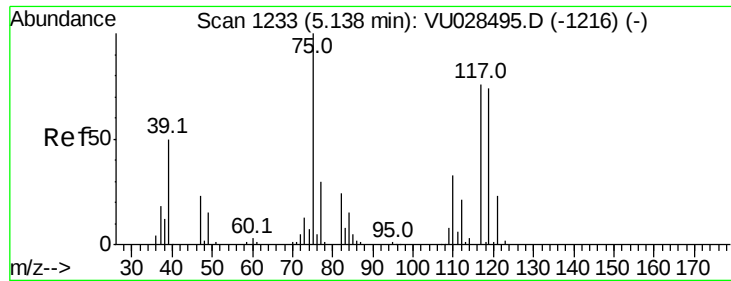
#35
 Dibromofluoromethane
 Concen: 52.494 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028801.D
 Acq: 19 Dec 2018 18:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.4	125.0
192	20.1	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

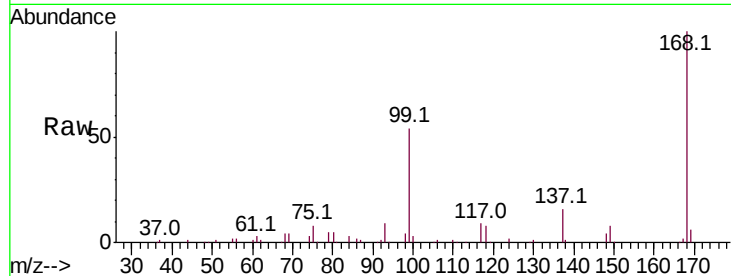




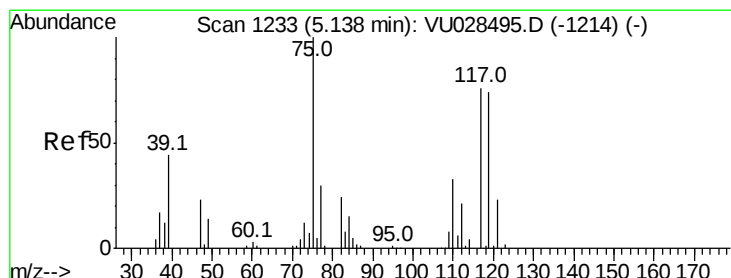
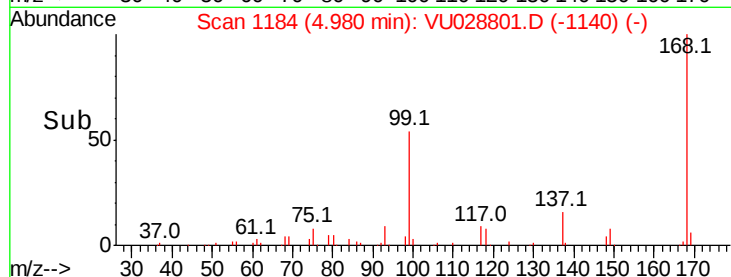
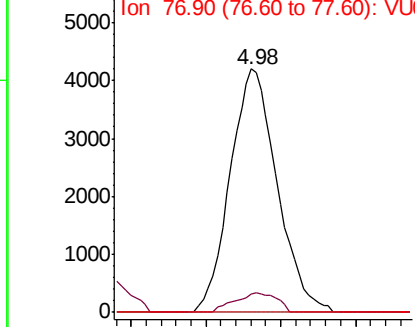
#36
 1,1-Dichloropropene
 Concen: 4.031 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028801.D
 Acq: 19 Dec 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-17C_R1

Tot Ion: 75 Resp: 9141
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.1 48.2#
 77 0.0 24.5 36.7#

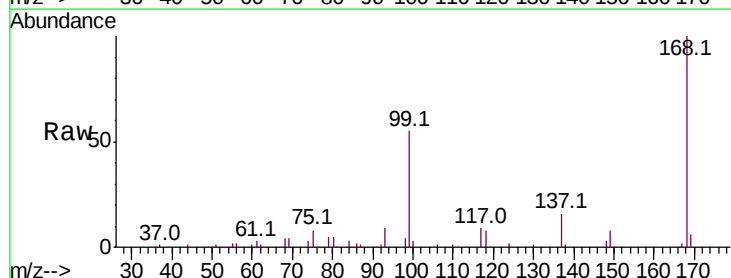


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

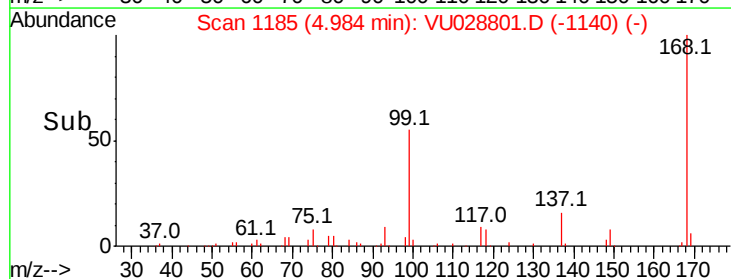
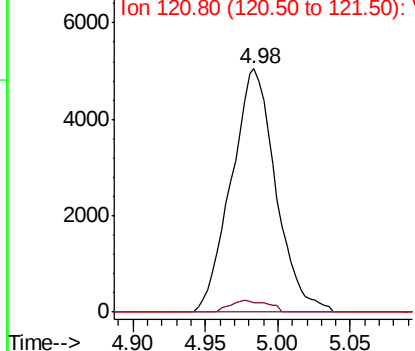


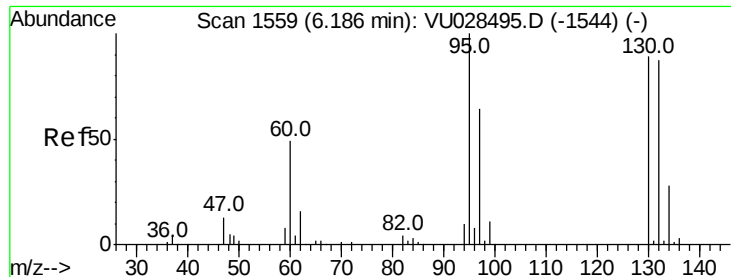
#38
 Carbon Tetrachloride
 Concen: 5.883 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028801.D
 Acq: 19 Dec 2018 18:09

Tgt Ion: 117 Resp: 10751
 Ion Ratio Lower Upper
 117 100
 119 4.0 77.6 116.4#
 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





#44

Trichloroethene

Concen: 0.300 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028801.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

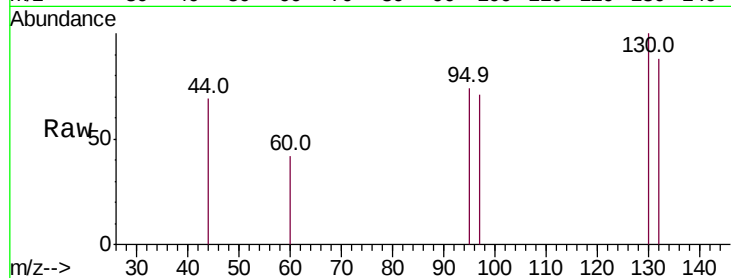
MW-17C_R1

Tot Ion:130 Resp: 445

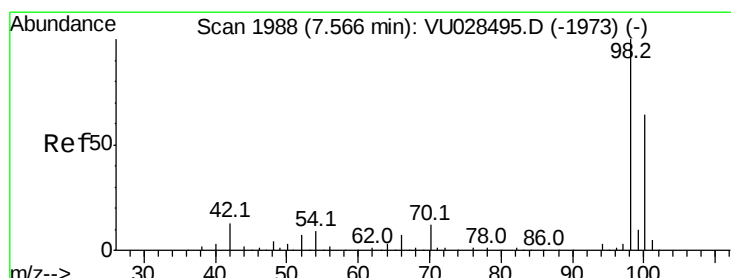
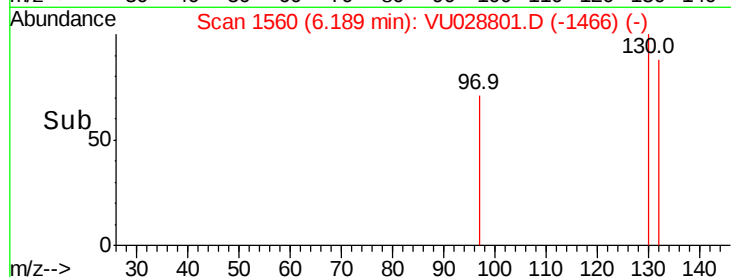
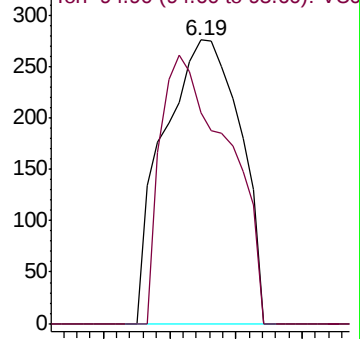
Ion Ratio Lower Upper

130 100

95 74.3 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028801.D (-1466) (-)



#50

Toluene-d8

Concen: 50.834 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028801.D

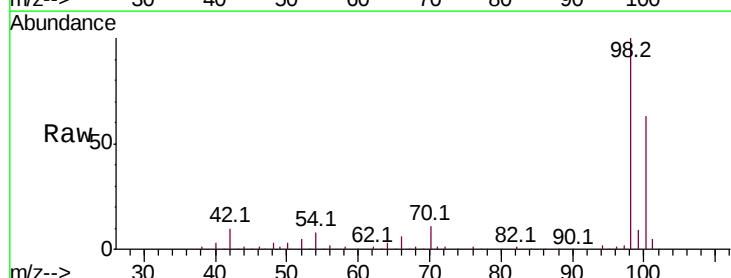
Acq: 19 Dec 2018 18:09

Tgt Ion: 98 Resp: 262216

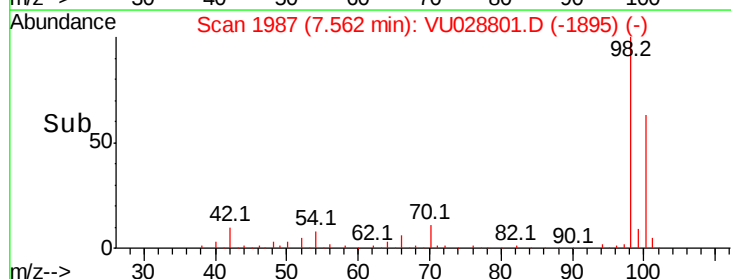
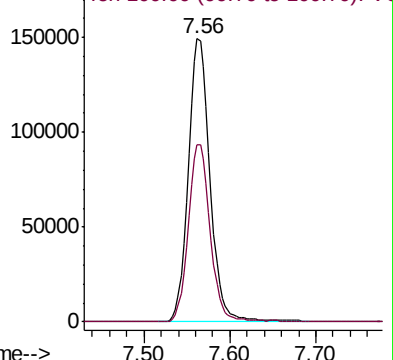
Ion Ratio Lower Upper

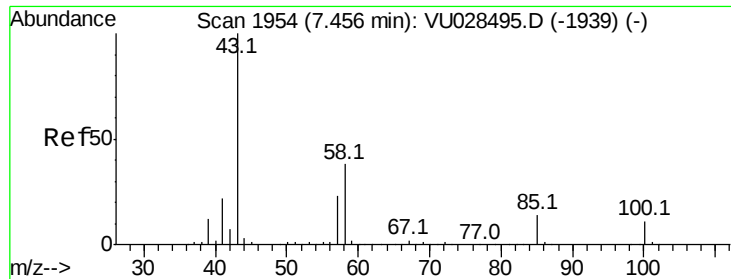
98 100

100 62.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028801.D (-1895) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.361 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028801.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

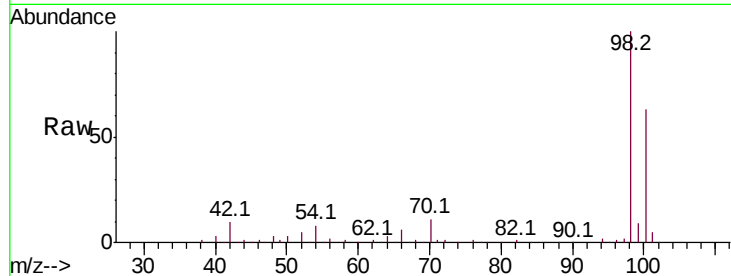
MW-17C_R1

Tot Ion: 43 Resp: 1057

Ion Ratio Lower Upper

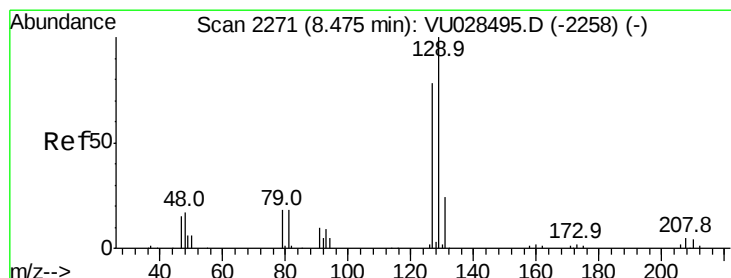
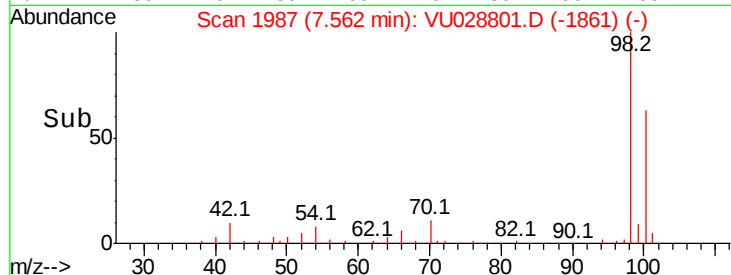
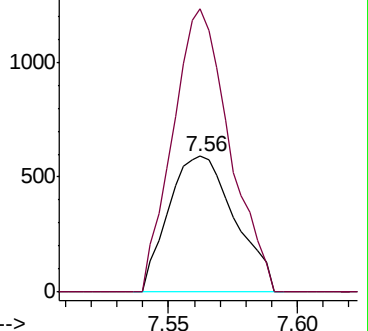
43 100

58 178.0 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)



#60

Dibromochloromethane

Concen: 0.371 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028801.D

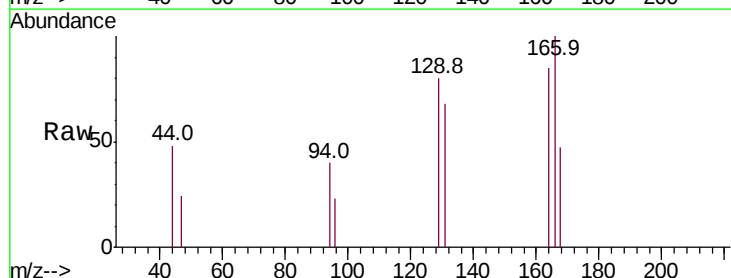
Acq: 19 Dec 2018 18:09

Tgt Ion: 129 Resp: 564

Ion Ratio Lower Upper

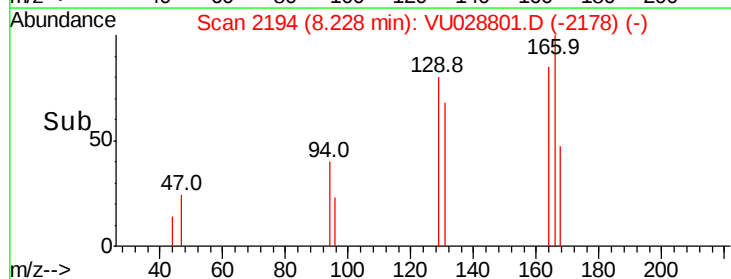
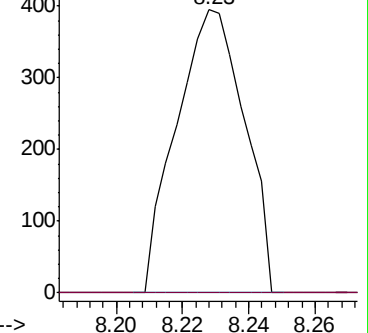
129 100

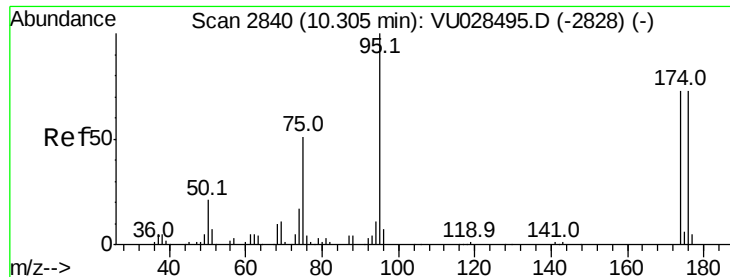
127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028495.D (-2258) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-2258) (-)

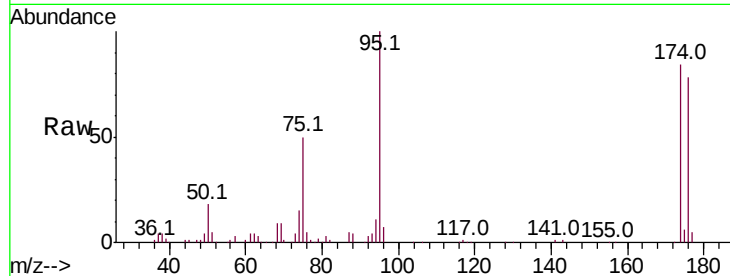




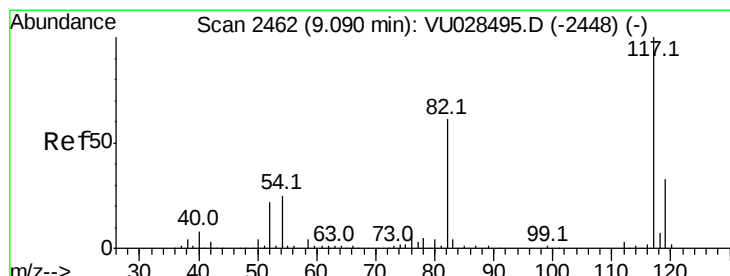
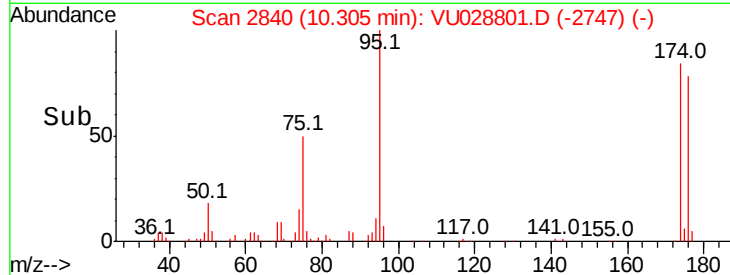
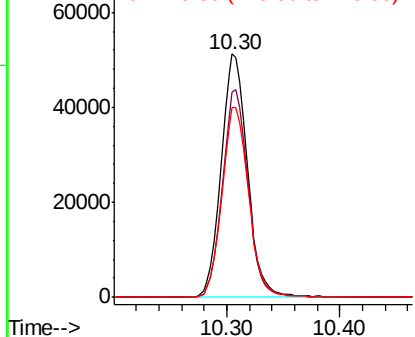
#62
4-Bromofluorobenzene
Concen: 42.926 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028801.D
Acq: 19 Dec 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
MW-17C_R1

Tot Ion: 95 Resp: 82760
Ion Ratio Lower Upper
95 100
174 83.4 0.0 150.4
176 79.2 0.0 145.2

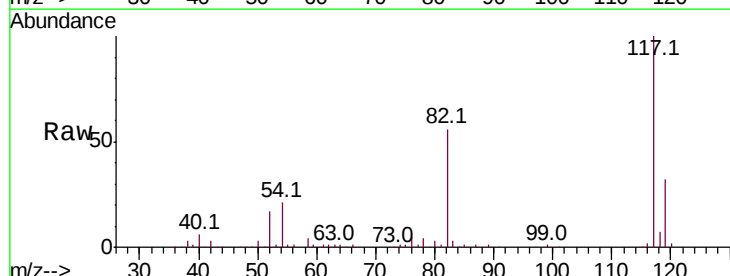


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

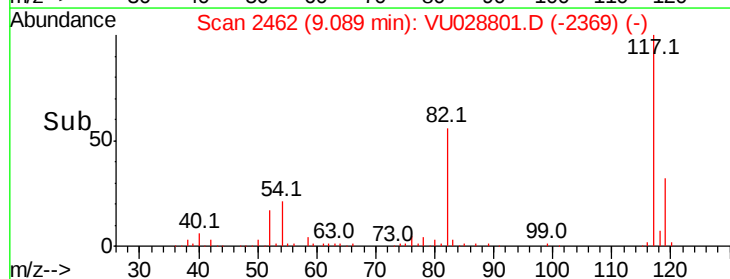
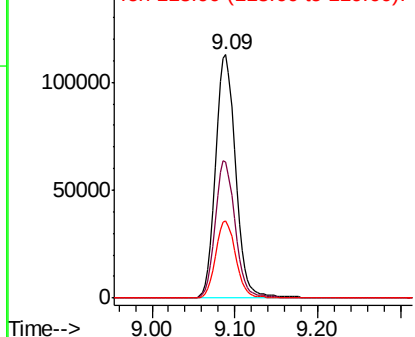


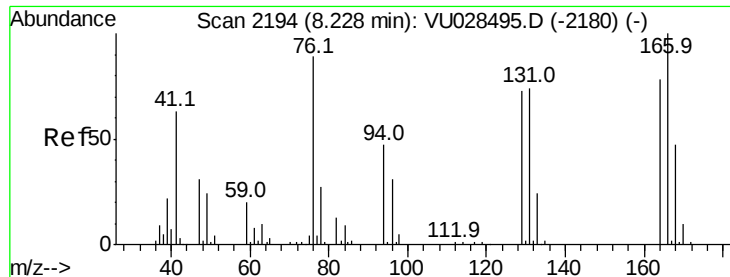
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028801.D
Acq: 19 Dec 2018 18:09

Tgt Ion: 117 Resp: 189530
Ion Ratio Lower Upper
117 100
82 56.1 48.9 73.3
119 31.8 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.536 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU028801.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

MW-17C_R1

Tot Ion:164 Resp: 677

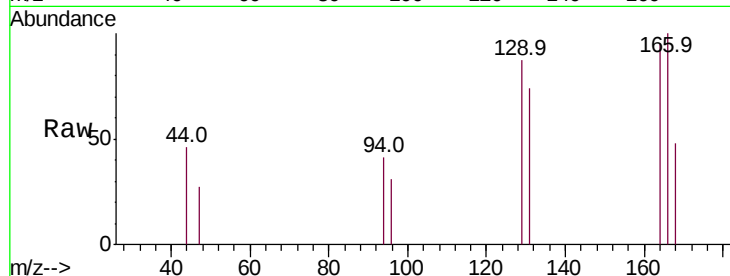
Ion Ratio Lower Upper

164 100

166 104.9 101.9 152.9

129 91.8 74.9 112.3

131 77.4 75.4 113.0

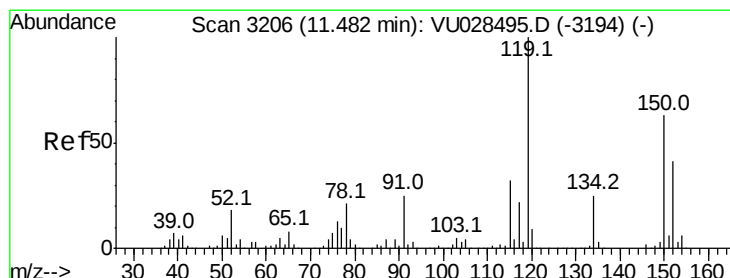
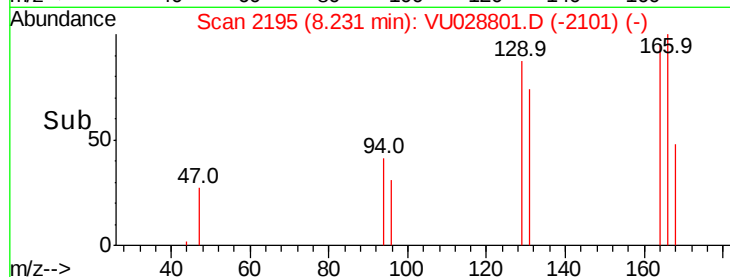
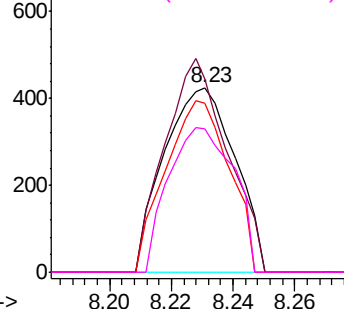


Abundance Ion 163.80 (163.50 to 164.50): V

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: VU028801.D

Acq: 19 Dec 2018 18:09

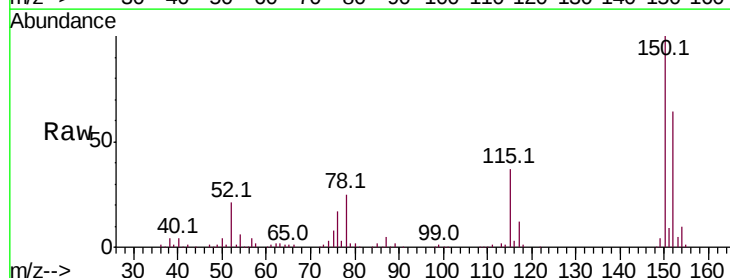
Tgt Ion:152 Resp: 74850

Ion Ratio Lower Upper

152 100

115 57.2 42.7 128.1

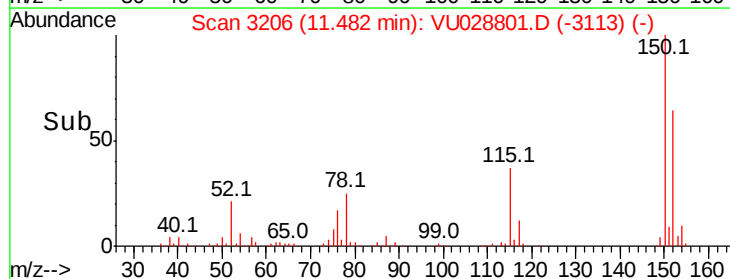
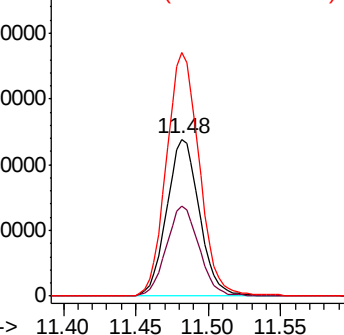
150 156.1 0.0 346.0

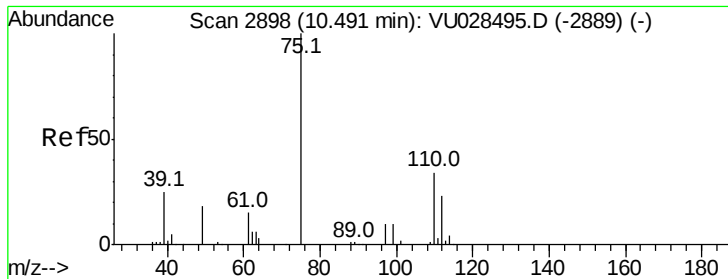


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.109 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028801.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

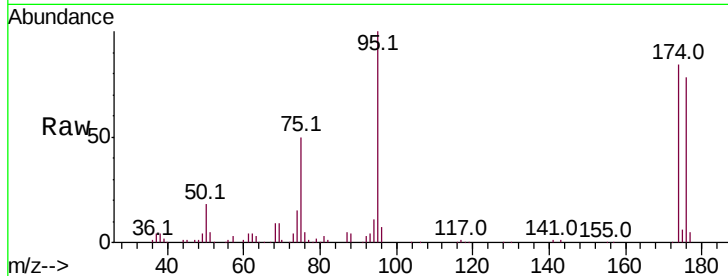
MW-17C_R1

Tot Ion: 75 Resp: 40346

Ion Ratio Lower Upper

75 100

77 1.1 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.30

25000

20000

15000

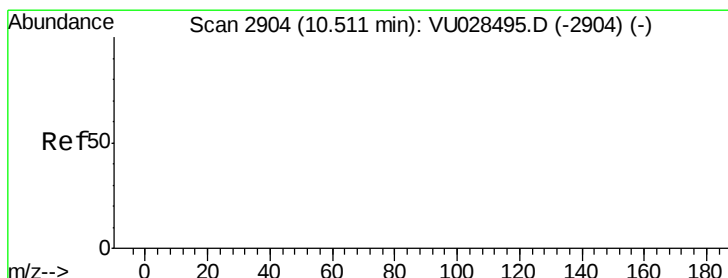
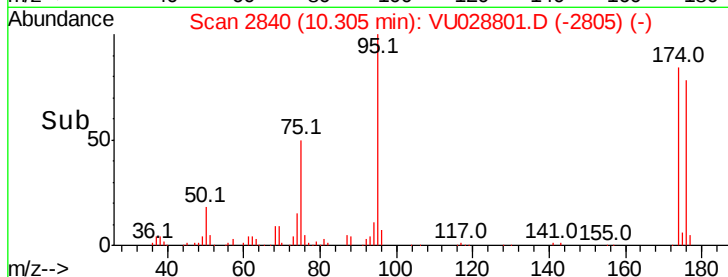
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 51.880 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028801.D

Acq: 19 Dec 2018 18:09

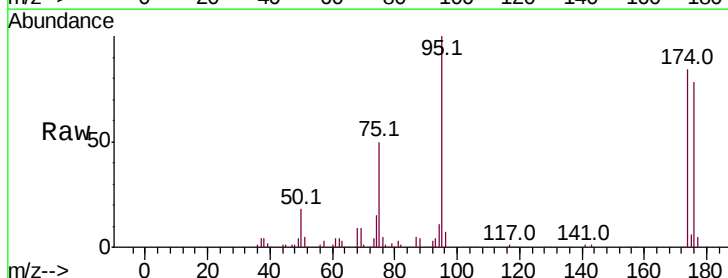
Tgt Ion: 75 Resp: 40346

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

10.30

30000

20000

10000

0

Time-->

10.25 10.30 10.35 10.40

