

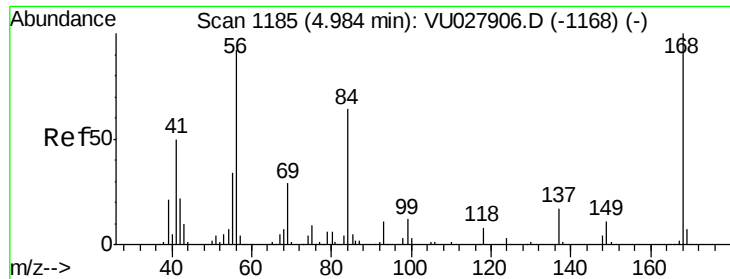
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111218\
 Data File : VU028063.D
 Acq On : 12 Nov 2018 14:33
 Operator : MD/SY
 Sample : J5885-01DL 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-2DL

Quant Time: Nov 13 02:45:02 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	169775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	322037	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	95821	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	147513	58.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.88%	
35) Dibromofluoromethane	4.88	113	108113	53.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.48%	
50) Toluene-d8	7.57	98	415850	53.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	10.31	95	125080	43.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.46%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.74	64	378	0.253	ug/l #	42
10) Methyl Iodide	2.41	142	45	7.783	ug/l #	40
11) Tert butyl alcohol	2.85	59	1406	2.104	ug/l #	73
13) Acrolein	2.18	56	20	Below Cal	#	15
16) Acetone	2.33	43	951	0.607	ug/l	90
20) Methylene Chloride	2.70	84	486	0.213	ug/l #	81
31) Cyclohexane	4.98	56	4086	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	15720	4.661	ug/l #	49
38) Carbon Tetrachloride	4.99	117	17872	5.979	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	2318	0.448	ug/l #	1
60) Dibromochloromethane	8.23	129	32209	13.800	ug/l #	10
64) Tetrachloroethene	8.23	164	34045	18.938	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	67286	25.672	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.31	75	67286	64.024	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028063.D

Acq: 12 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

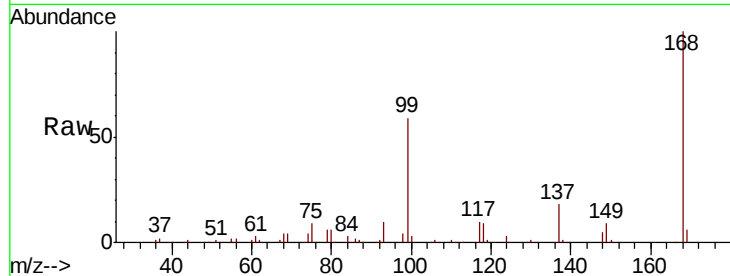
RW-2DL

Tot Ion:168 Resp: 169775

Ion Ratio Lower Upper

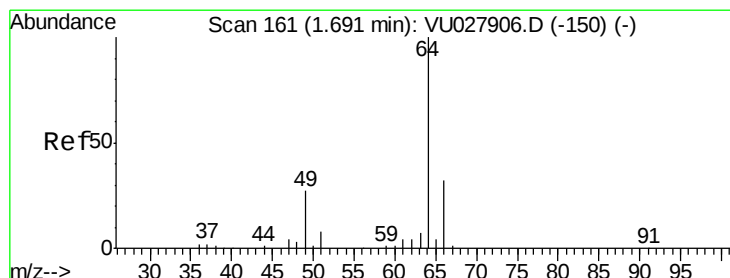
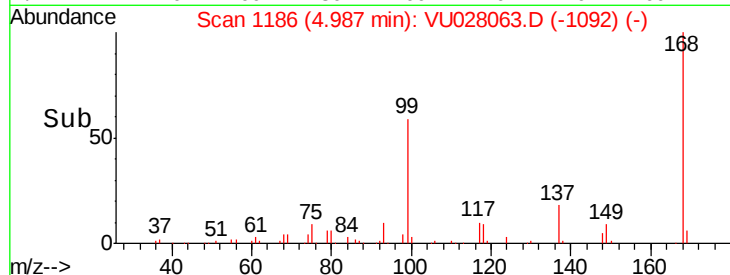
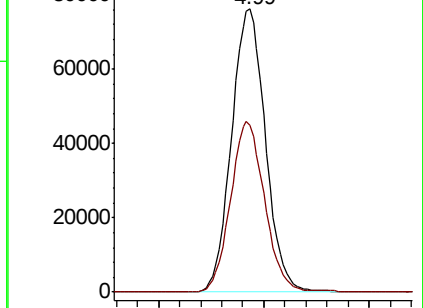
168 100

99 59.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028063.D (-1092) (-)



#6

Chloroethane

Concen: 0.253 ug/l

RT: 1.74 min Scan# 175

Delta R.T. 0.04 min

Lab File: VU028063.D

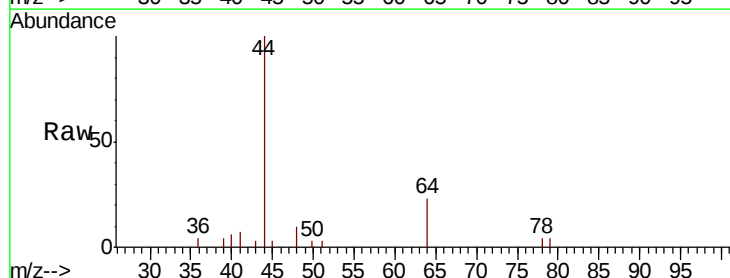
Acq: 12 Nov 2018 14:33

Tgt Ion: 64 Resp: 378

Ion Ratio Lower Upper

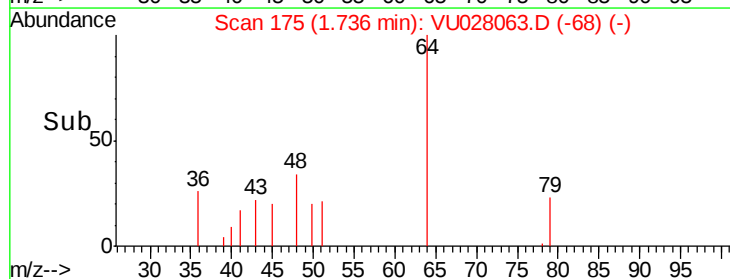
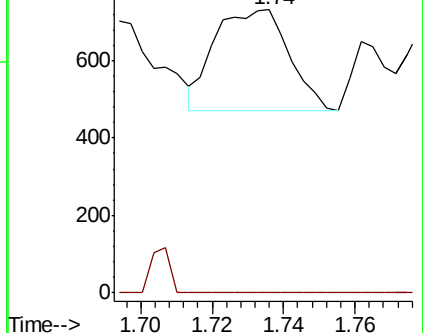
64 100

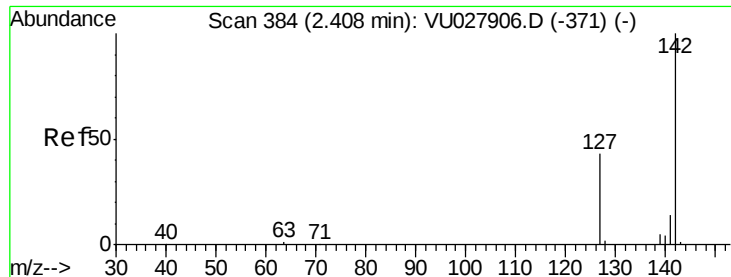
66 0.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU028063.D (-68) (-)

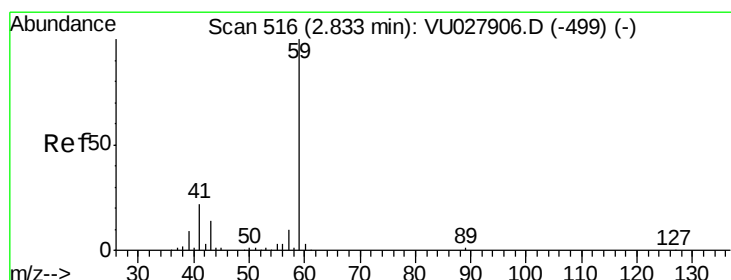
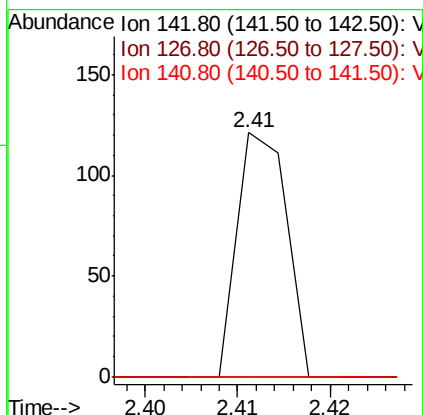
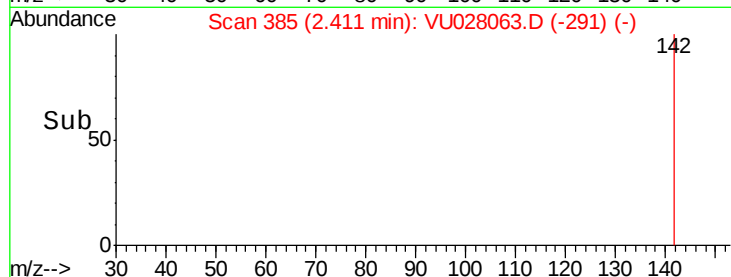
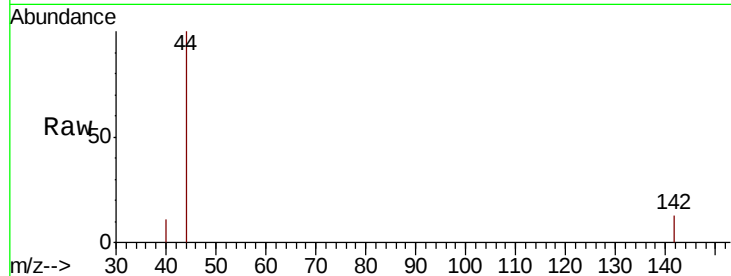




#10
Methyl Iodide
Concen: 7.783 ug/l
RT: 2.41 min Scan# 385
Delta R.T. 0.00 min
Lab File: VU028063.D
Acq: 12 Nov 2018 14:33

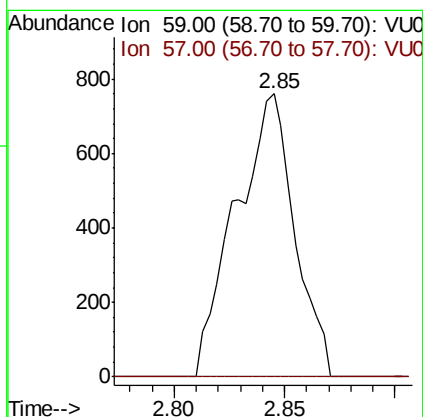
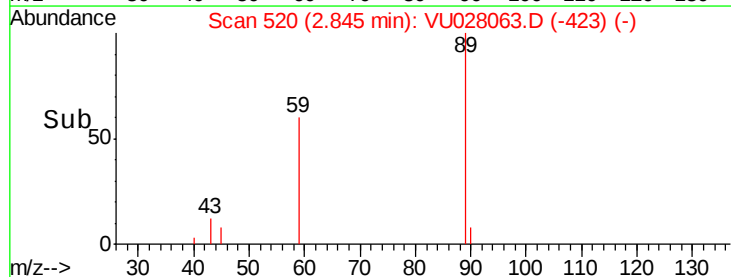
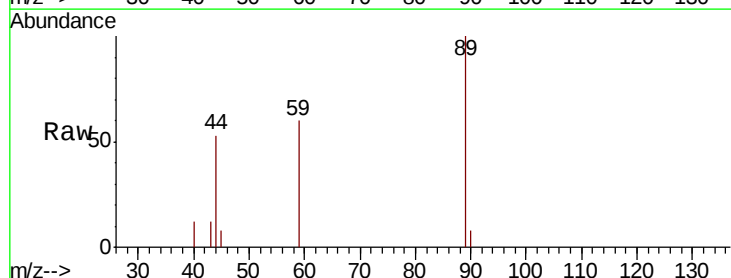
Instrument :
MSVOA_U
ClientSampleId :
RW-2DL

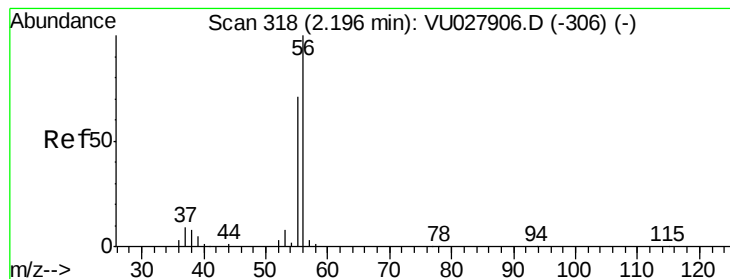
Tot Ion:142 Resp: 45
Ion Ratio Lower Upper
142 100
127 0.0 35.2 52.8#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: 2.104 ug/l
RT: 2.85 min Scan# 520
Delta R.T. 0.01 min
Lab File: VU028063.D
Acq: 12 Nov 2018 14:33

Tgt Ion: 59 Resp: 1406
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: Below Cal

RT: 2.18 min Scan# 312

Delta R.T. -0.02 min

Lab File: VU028063.D

Acq: 12 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

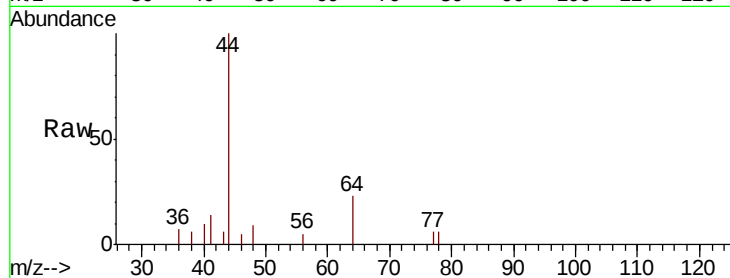
RW-2DL

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.18

100

80

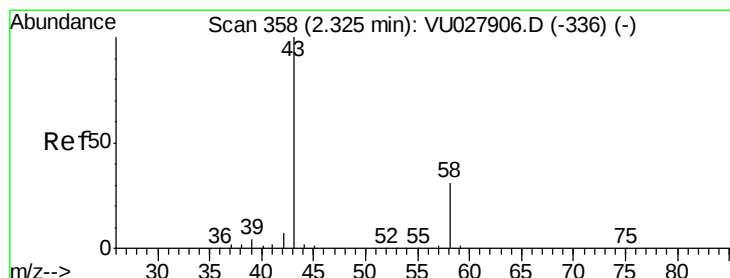
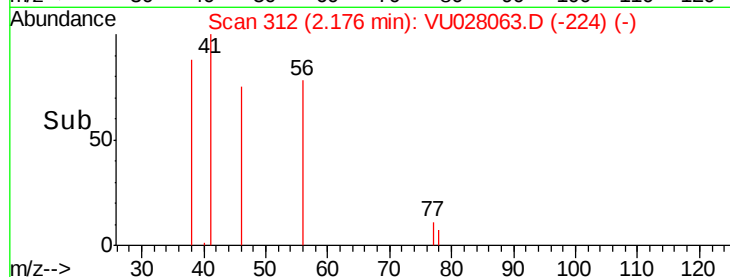
60

40

20

0

Time-->



#16

Acetone

Concen: 0.607 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU028063.D

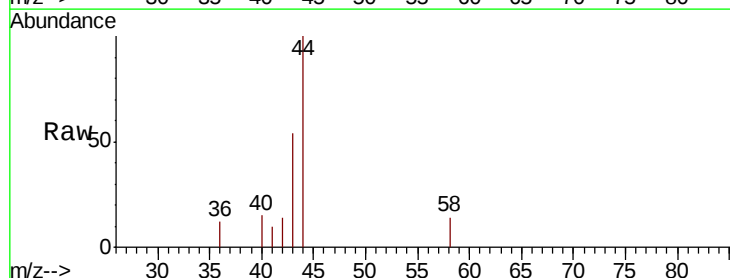
Acq: 12 Nov 2018 14:33

Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

43 100

58 25.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.33

600

500

400

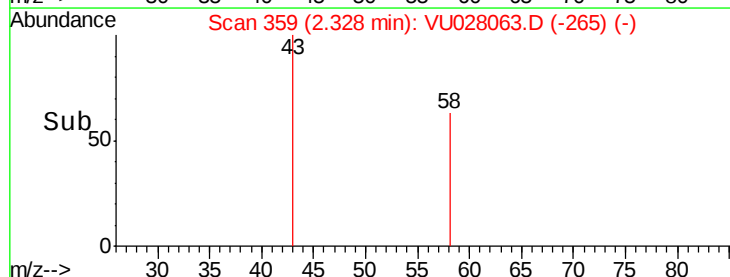
300

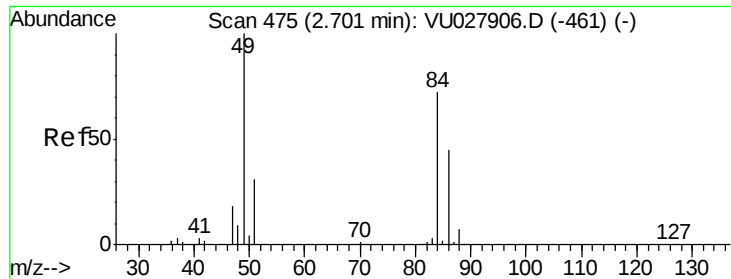
200

100

0

Time-->

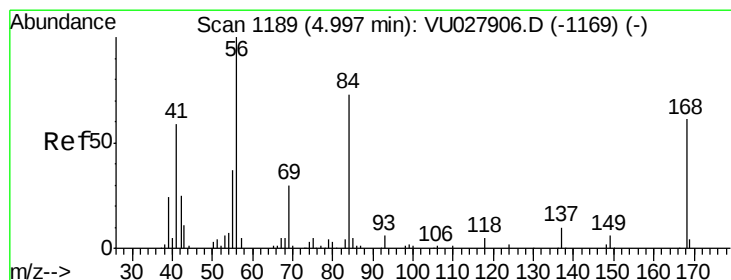
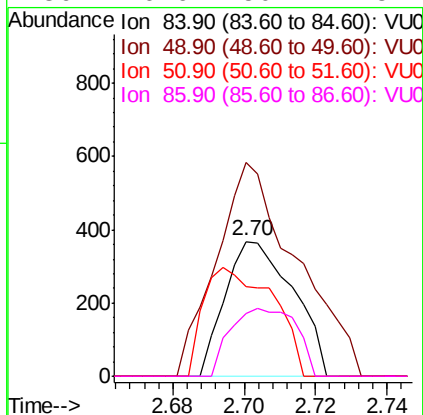
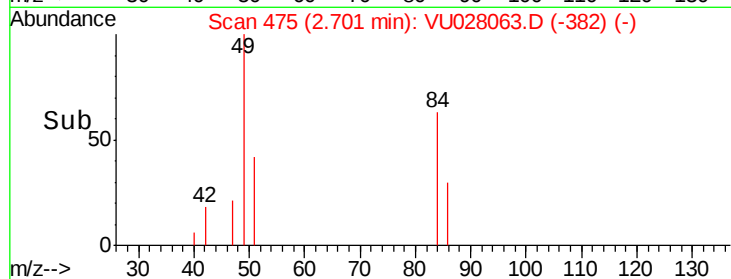
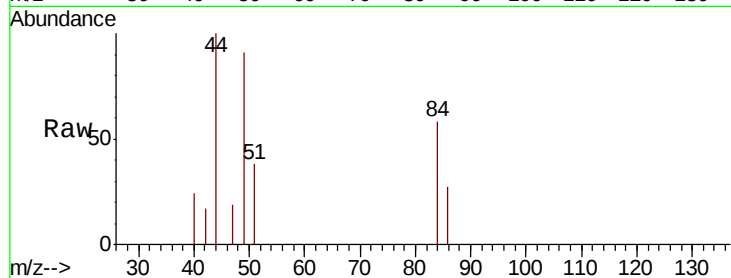




#20
Methylene Chloride
Concen: 0.213 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028063.D
Acq: 12 Nov 2018 14:33

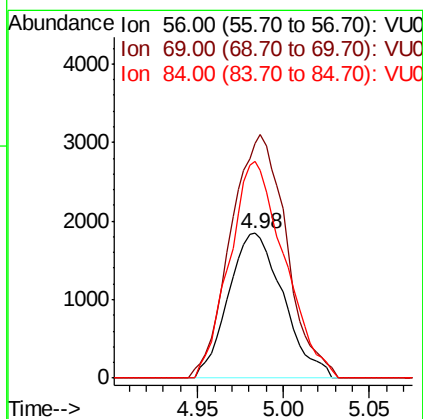
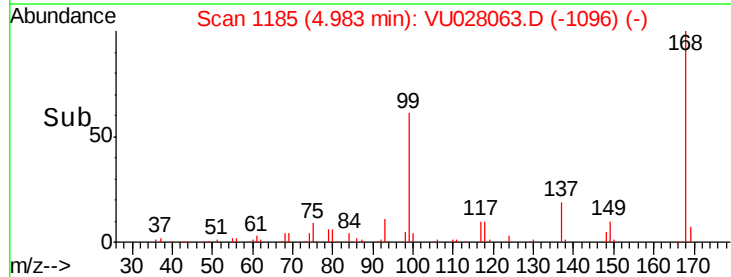
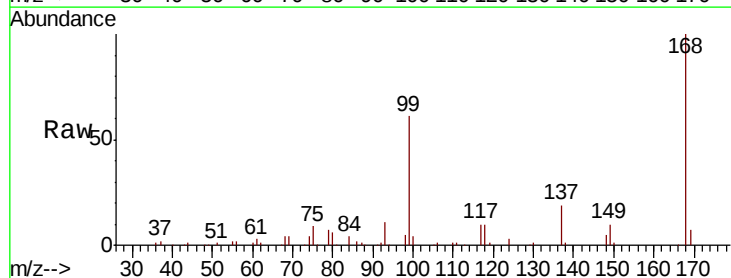
Instrument :
MSVOA_U
ClientSampleId :
RW-2DL

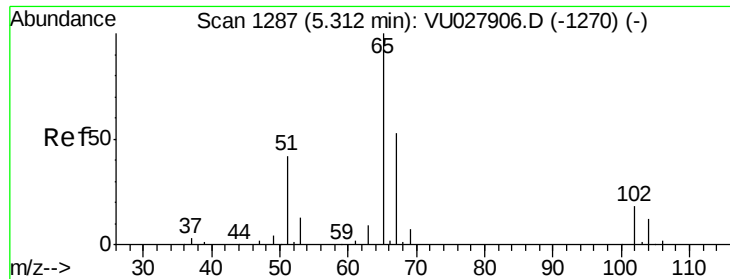
Tot Ion: 84 Resp: 486
Ion Ratio Lower Upper
84 100
49 123.6 111.6 167.4
51 66.4 34.8 52.2#
86 46.6 50.1 75.1#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028063.D
Acq: 12 Nov 2018 14:33

Tgt Ion: 56 Resp: 4086
Ion Ratio Lower Upper
56 100
69 162.5 23.7 35.5#
84 149.8 58.2 87.4#





#33

1,2-Dichloroethane-d4

Concen: 58.441 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU028063.D

Acq: 12 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

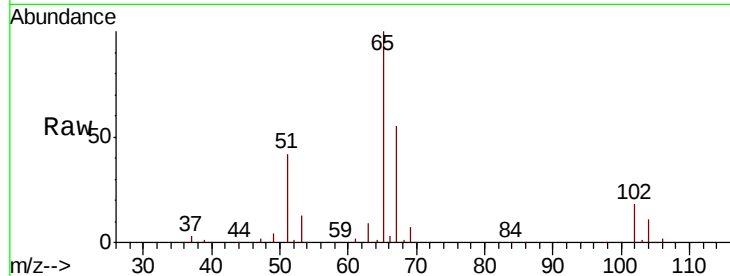
RW-2DL

Tot Ion: 65 Resp: 147513

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

80000

60000

40000

20000

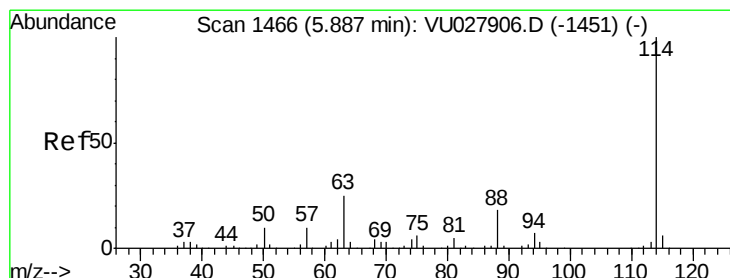
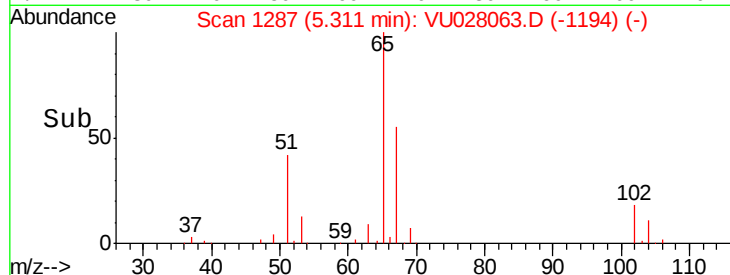
0

Time-->

5.20

5.30

5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VU028063.D

Acq: 12 Nov 2018 14:33

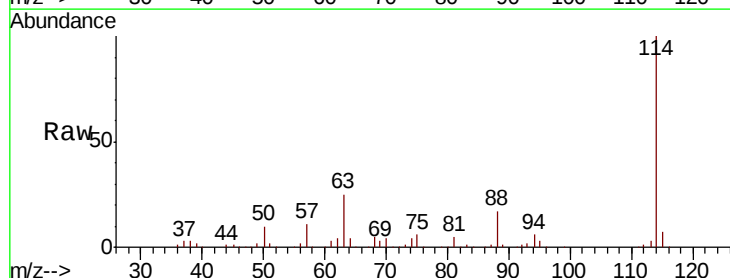
Tgt Ion: 114 Resp: 322037

Ion Ratio Lower Upper

114 100

63 25.2 0.0 50.8

88 16.8 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

200000

150000

100000

50000

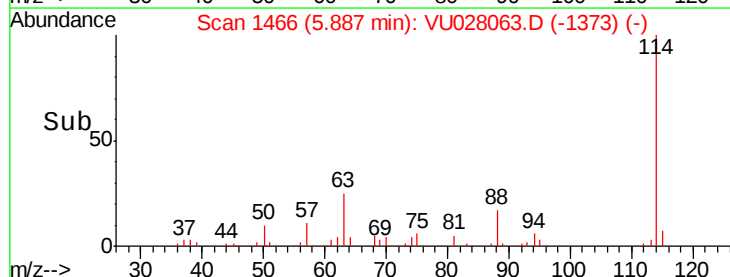
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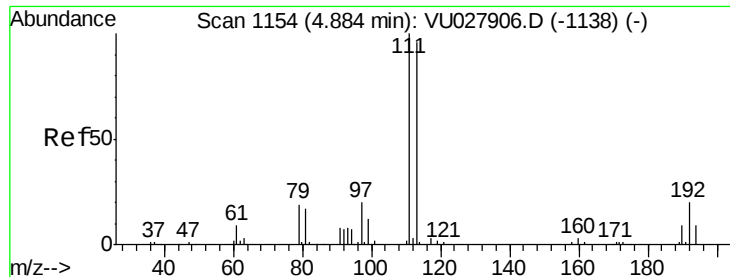
Time-->

5.80

5.90

6.00

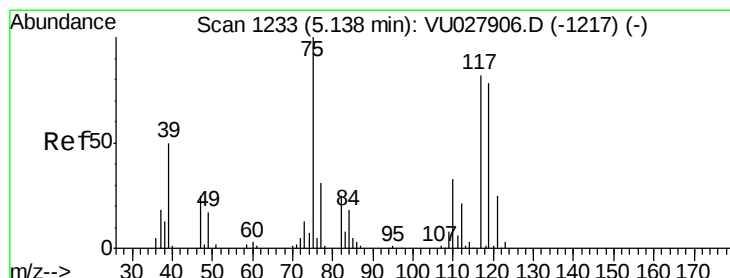
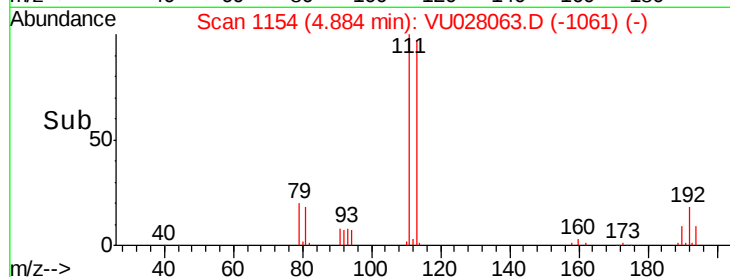
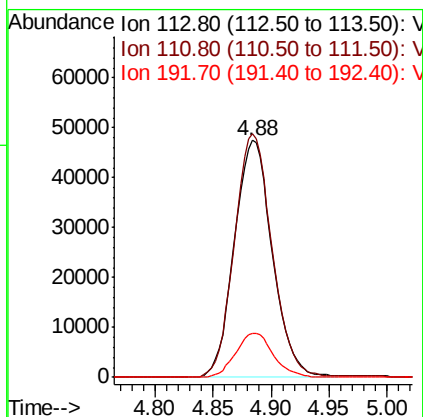
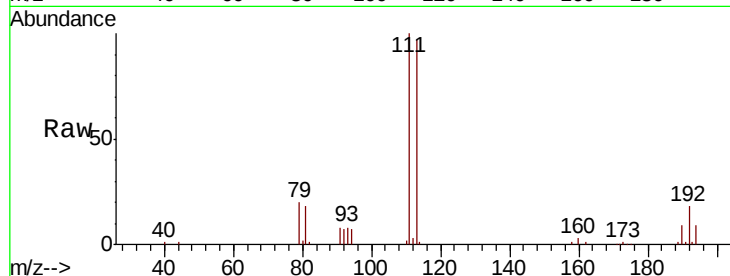




#35
 Dibromofluoromethane
 Concen: 53.245 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028063.D
 Acq: 12 Nov 2018 14:33

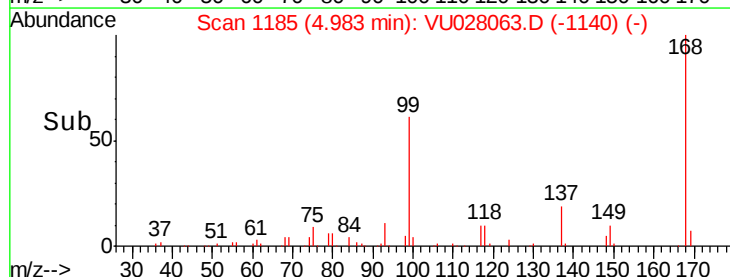
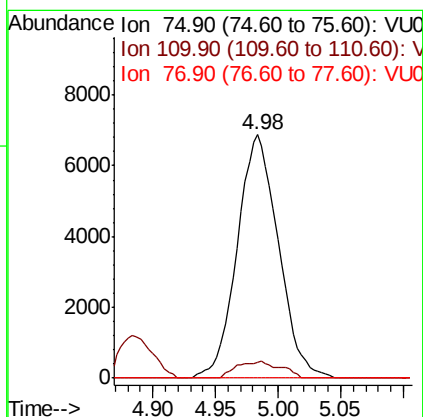
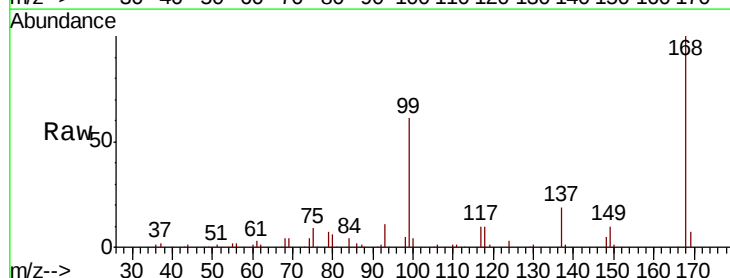
Instrument :
 MSVOA_U
 ClientSampleId :
 RW-2DL

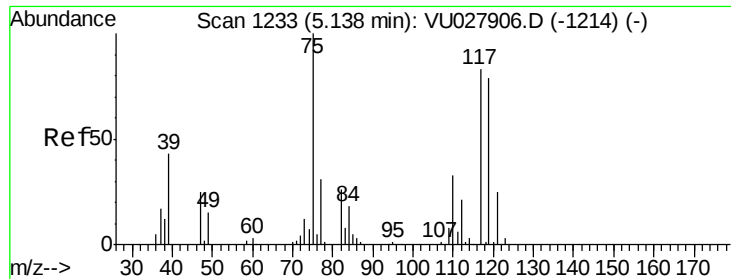
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.0	124.6
192	18.5	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.661 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028063.D
 Acq: 12 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.5	49.5#
77	0.0	24.9	37.3#

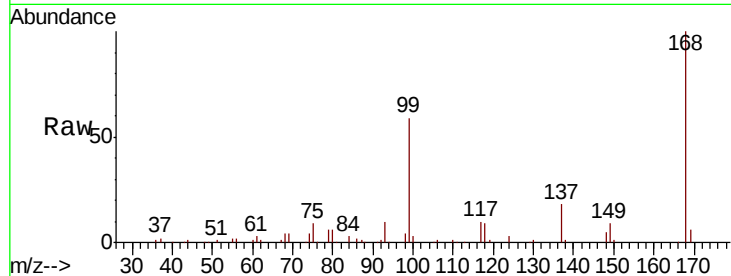




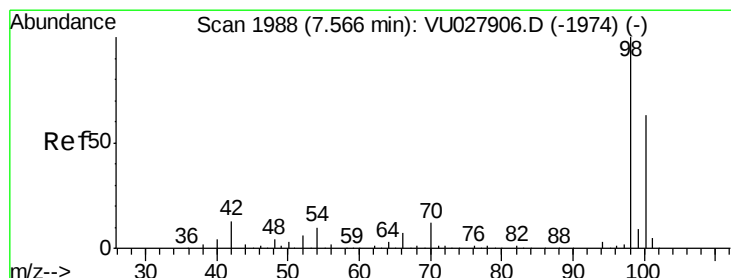
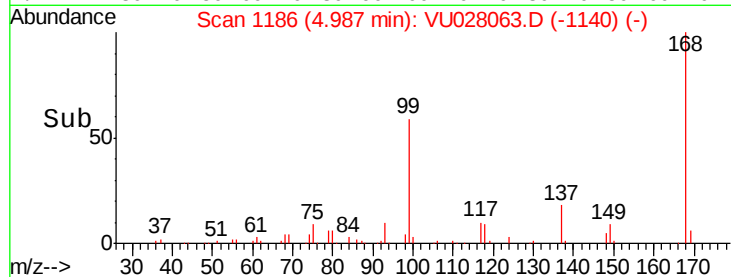
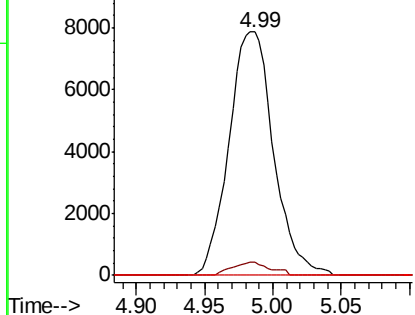
#38
Carbon Tetrachloride
Concen: 5.979 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU028063.D
Acq: 12 Nov 2018 14:33

Instrument :
MSVOA_U
ClientSampleId :
RW-2DL

Tot Ion:117 Resp: 17872
Ion Ratio Lower Upper
117 100
119 5.4 76.0 114.0#
121 0.0 24.5 36.7#

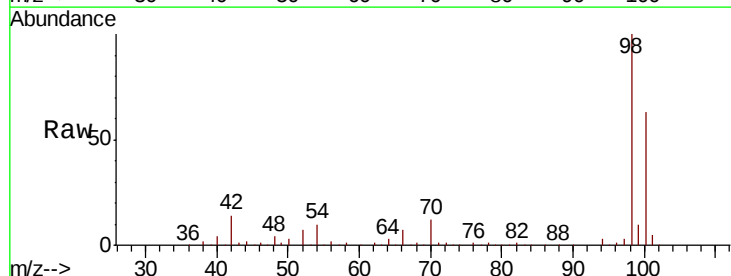


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

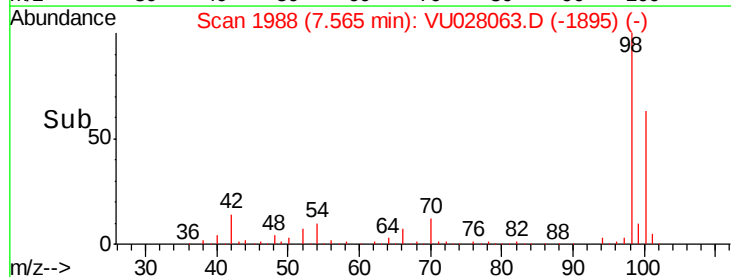
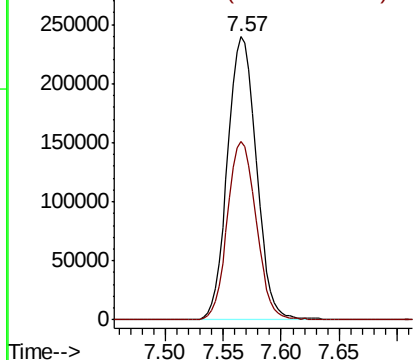


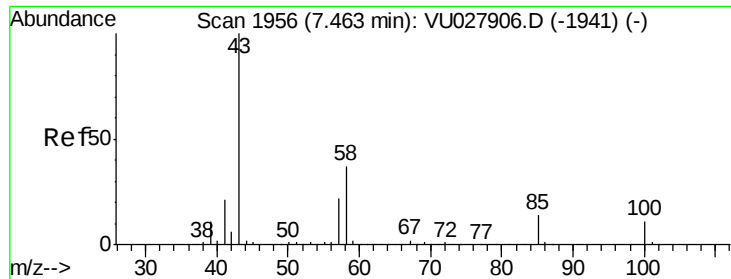
#50
Toluene-d8
Concen: 53.018 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028063.D
Acq: 12 Nov 2018 14:33

Tgt Ion: 98 Resp: 415850
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

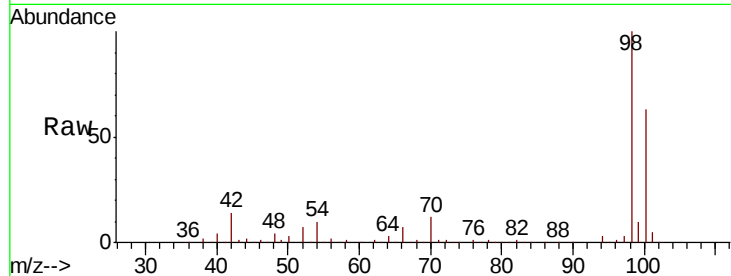




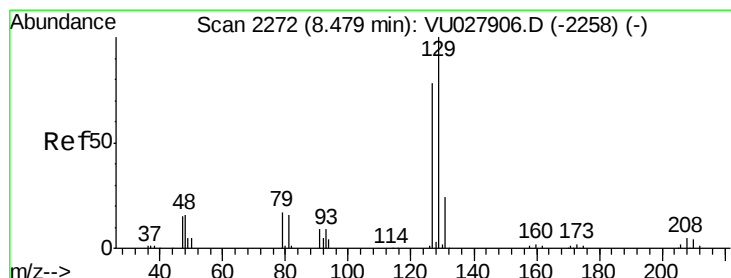
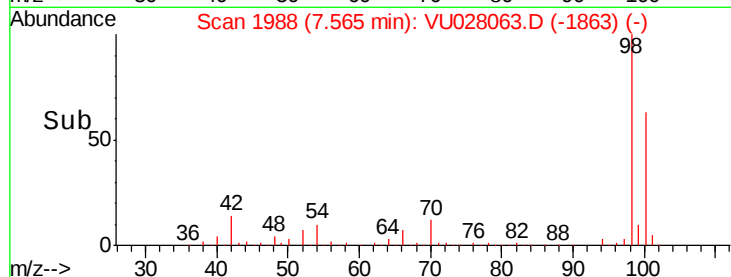
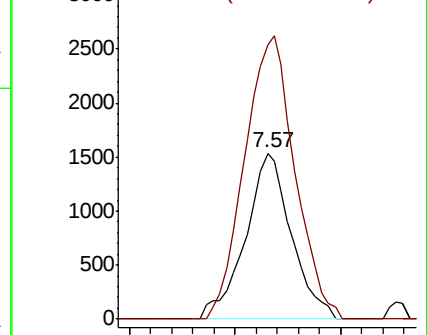
#51
4-Methyl-2-Pentanone
Concen: 0.448 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU028063.D
Acq: 12 Nov 2018 14:33

Instrument :
MSVOA_U
ClientSampleId :
RW-2DL

Tot Ion: 43 Resp: 2318
Ion Ratio Lower Upper
43 100
58 186.6 29.5 44.3#

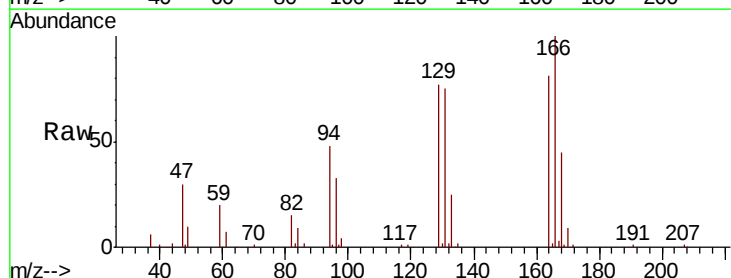


Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)
Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

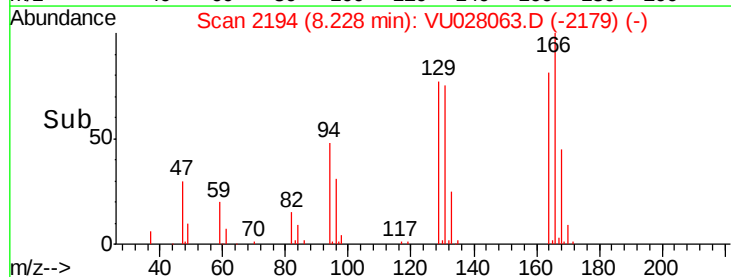
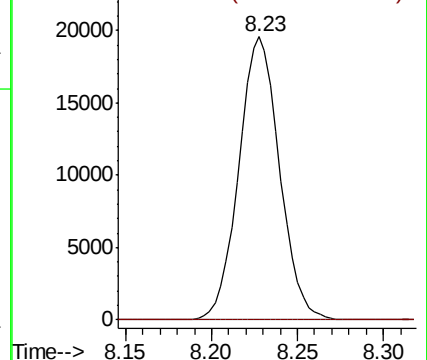


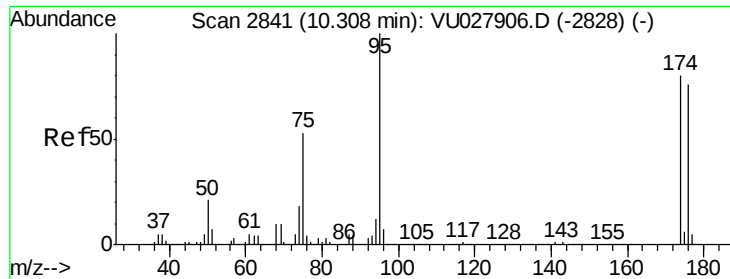
#60
Dibromochloromethane
Concen: 13.800 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028063.D
Acq: 12 Nov 2018 14:33

Tgt Ion: 129 Resp: 32209
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#



Abundance Ion 128.80 (128.50 to 129.50): VU027906.D (-2258) (-)
Ion 126.80 (126.50 to 127.50): VU027906.D (-2258) (-)

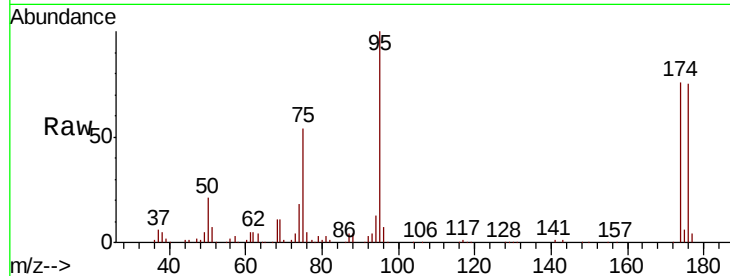




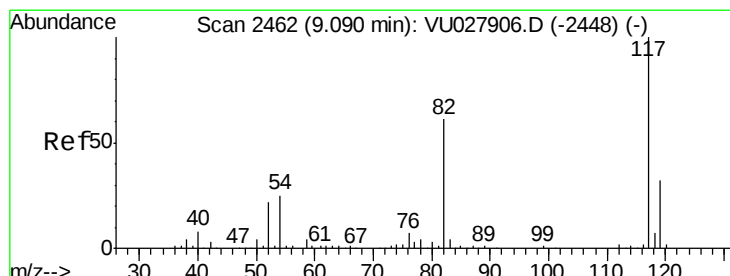
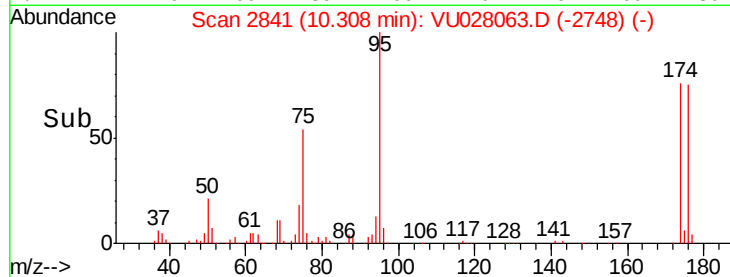
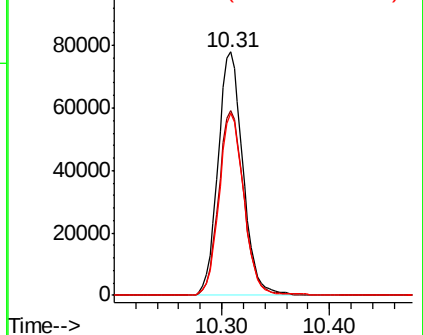
#62
 4-Bromofluorobenzene
 Concen: 43.234 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU028063.D
 Acq: 12 Nov 2018 14:33

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-2DL

Tot Ion: 95 Resp: 125080
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 156.4
 176 74.0 0.0 150.8

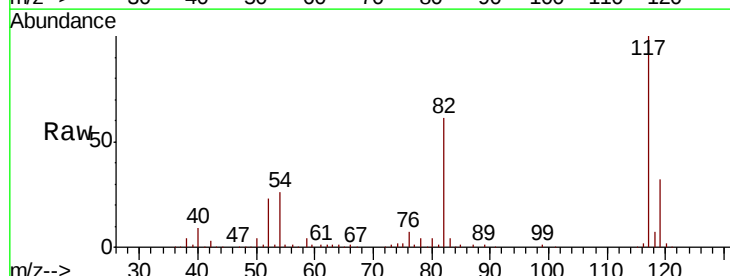


Abundance Ion 94.90 (94.60 to 95.60): VU028063.D (-2748) (-)
 Ion 173.80 (173.50 to 174.50): VU028063.D (-2748) (-)
 Ion 175.80 (175.50 to 176.50): VU028063.D (-2748) (-)

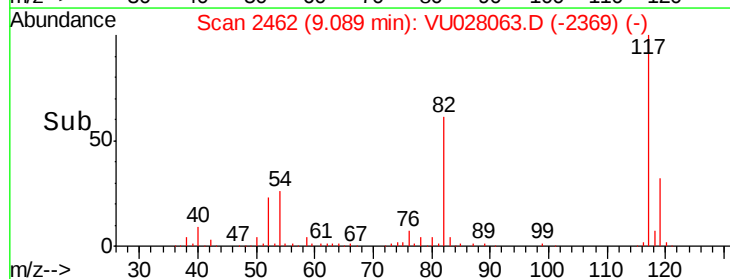
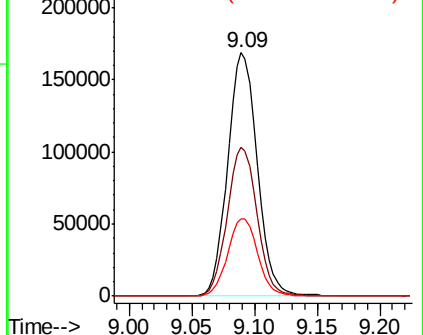


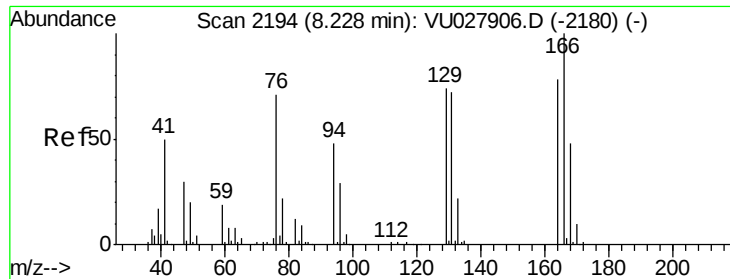
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU028063.D
 Acq: 12 Nov 2018 14:33

Tgt Ion: 117 Resp: 277241
 Ion Ratio Lower Upper
 117 100
 82 61.4 48.6 73.0
 119 31.8 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VU028063.D (-2369) (-)
 Ion 82.00 (81.70 to 82.70): VU028063.D (-2369) (-)
 Ion 118.90 (118.60 to 119.60): VU028063.D (-2369) (-)





#64

Tetrachloroethene

Concen: 18.938 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028063.D

Acq: 12 Nov 2018 14:33

Instrument :
MSVOA_U
ClientSampleId :
RW-2DL

Tot Ion:164 Resp: 34045

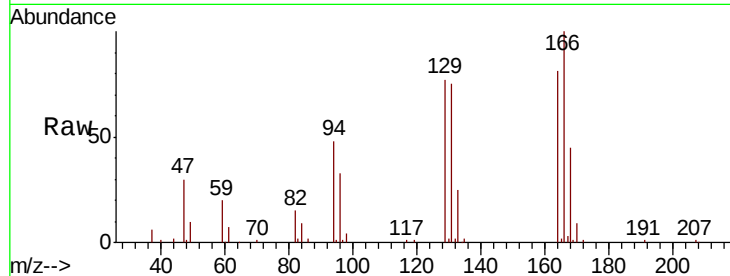
Ion Ratio Lower Upper

164 100

166 123.9 102.1 153.1

129 95.3 75.9 113.9

131 93.0 73.0 109.6



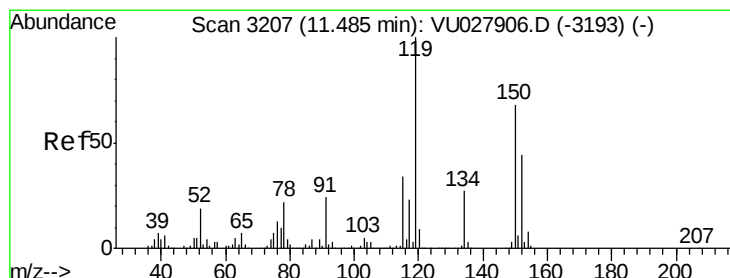
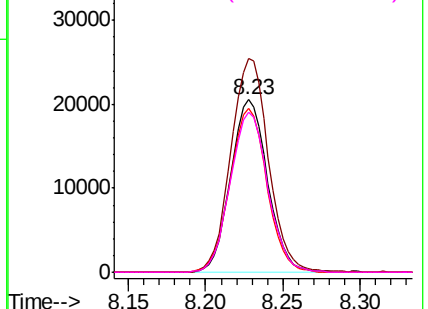
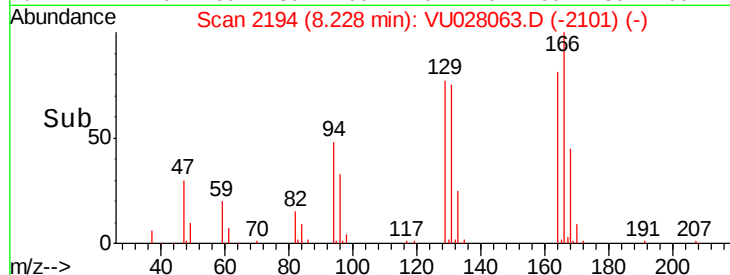
Abundance

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: VU028063.D

Acq: 12 Nov 2018 14:33

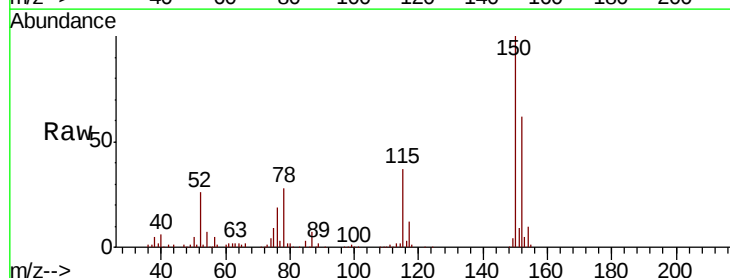
Tgt Ion:152 Resp: 95821

Ion Ratio Lower Upper

152 100

115 60.8 43.0 129.0

150 160.0 0.0 349.4

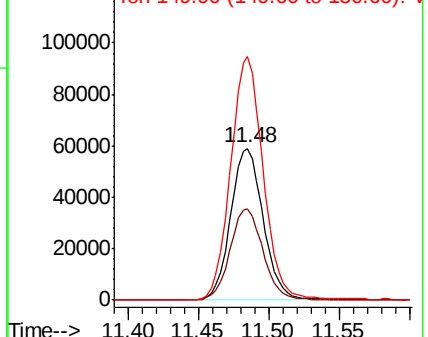
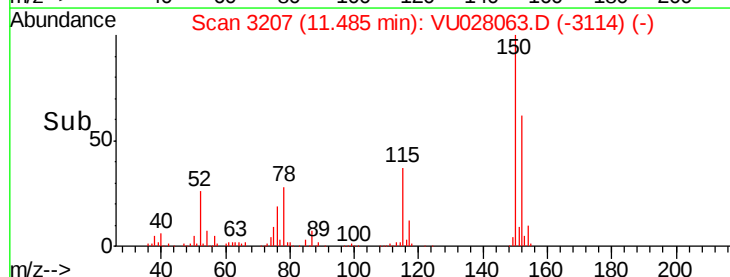


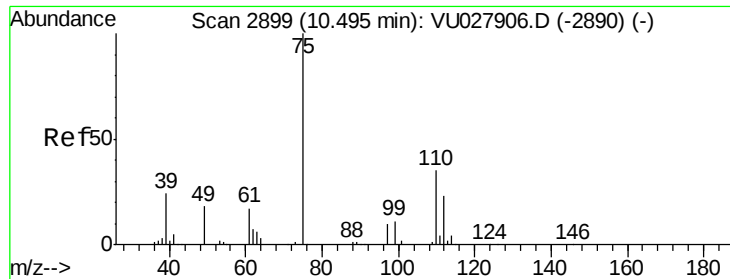
Abundance

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: 25.672 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028063.D

Acq: 12 Nov 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

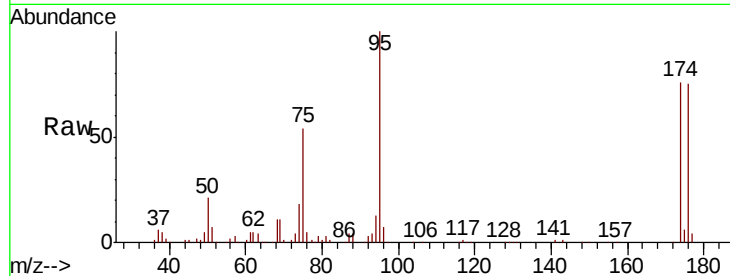
RW-2DL

Tot Ion: 75 Resp: 67286

Ion Ratio Lower Upper

75 100

77 0.9 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

40000

30000

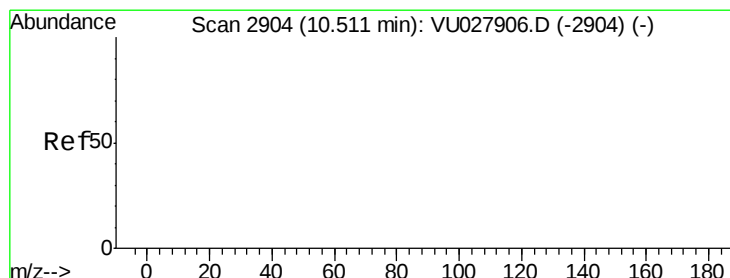
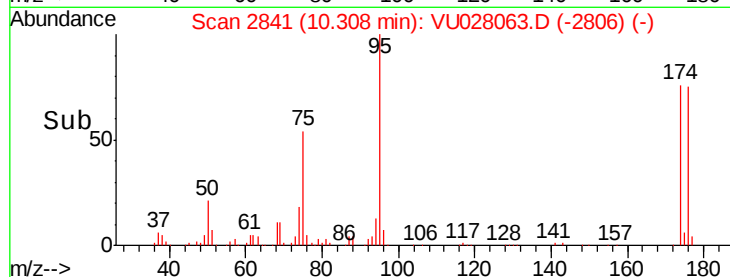
20000

10000

0

Time-->

10.30 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 64.024 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028063.D

Acq: 12 Nov 2018 14:33

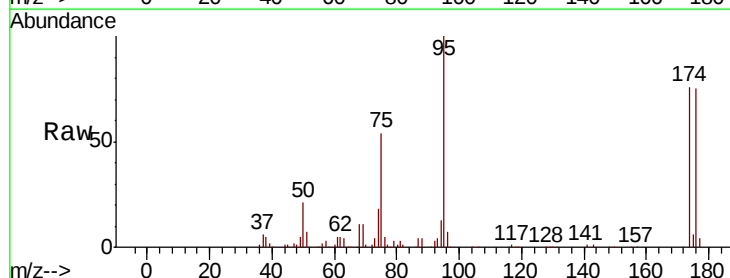
Tgt Ion: 75 Resp: 67286

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

10.31

40000

30000

20000

10000

0

Time-->

10.30 10.40

