

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111218\
 Data File : VU028067.D
 Acq On : 12 Nov 2018 16:09
 Operator : MD/SY
 Sample : J5885-07DL 400X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4DL

Quant Time: Nov 13 02:45:54 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	4.98	168	174843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	327721	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	300503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	113874	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	152832	58.79	ug/l	0.00
Spiked Amount			Recovery	=	117.58%	
35) Dibromofluoromethane	4.88	113	109531	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
50) Toluene-d8	7.57	98	432333	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
62) 4-Bromofluorobenzene	10.31	95	140426	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	

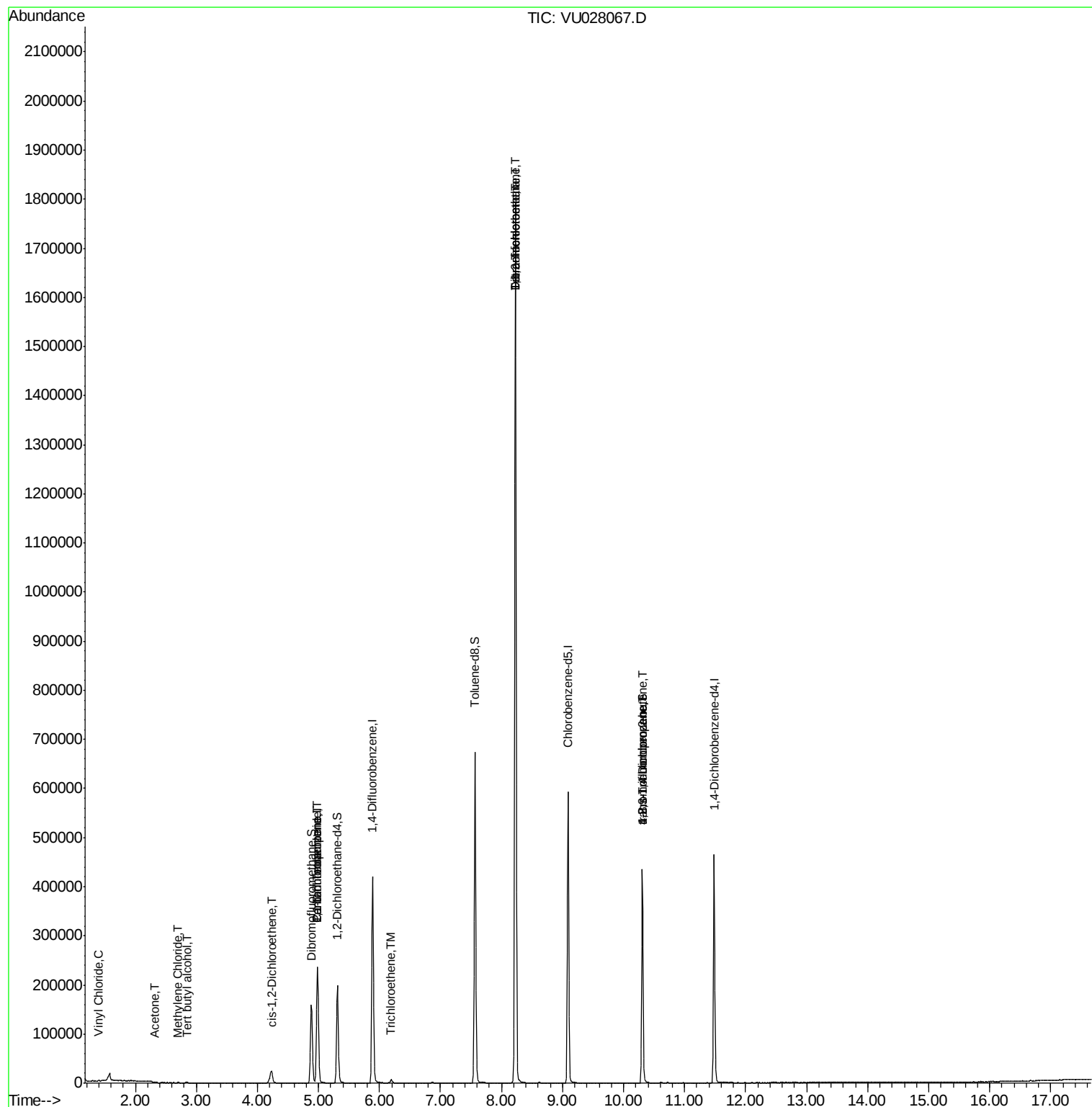
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	606	0.227	ug/l	97
11) Tert butyl alcohol	2.84	59	1252	1.819	ug/l #	73
16) Acetone	2.32	43	732	0.454	ug/l #	44
20) Methylene Chloride	2.71	84	480	0.204	ug/l #	88
27) cis-1,2-Dichloroethene	4.23	96	12046	5.080	ug/l	86
31) Cyclohexane	4.98	56	3946	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	15872	4.624	ug/l #	50
38) Carbon Tetrachloride	4.98	117	18114	5.955	ug/l #	16
44) Trichloroethene	6.20	130	2245	0.995	ug/l	87
55) 1,1,2-Trichloroethane	8.22	97	3205	1.277	ug/l #	1
60) Dibromochloromethane	8.23	129	359964	151.556	ug/l #	10
64) Tetrachloroethene	8.23	164	374689	192.292	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	74378	23.879	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.31	75	74378	59.570	ug/l #	100

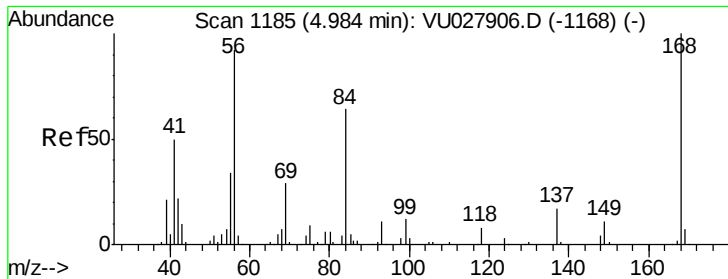
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028067.D

Acq: 12 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

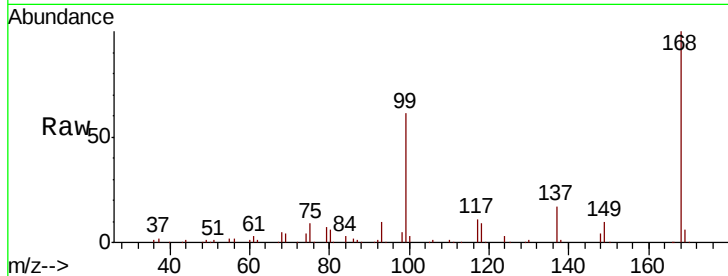
MW-4DL

Tot Ion:168 Resp: 174843

Ion Ratio Lower Upper

168 100

99 61.0 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.98

80000

60000

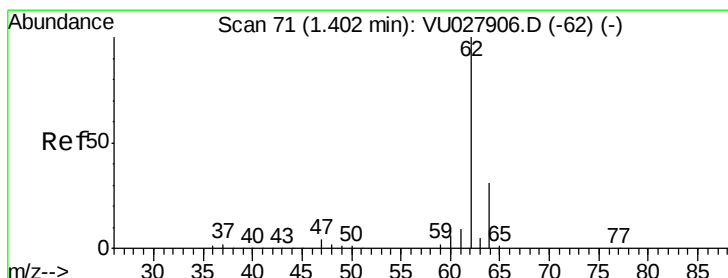
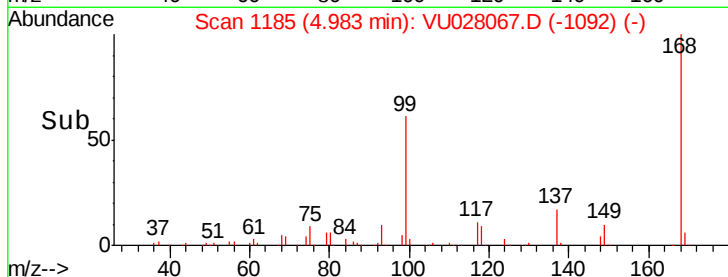
40000

20000

0

4.90 5.00 5.10

Time-->



#4

Vinyl Chloride

Concen: 0.227 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028067.D

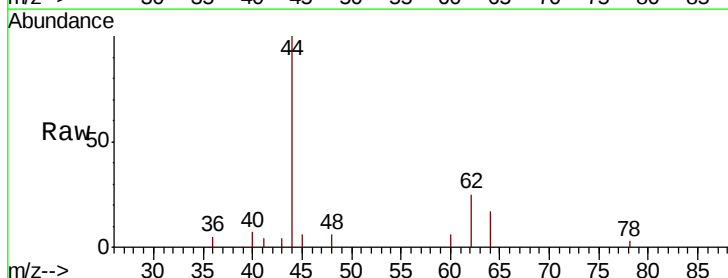
Acq: 12 Nov 2018 16:09

Tgt Ion: 62 Resp: 606

Ion Ratio Lower Upper

62 100

64 29.6 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)

1.40

800

600

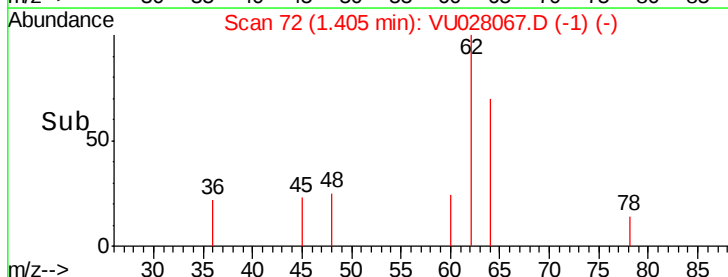
400

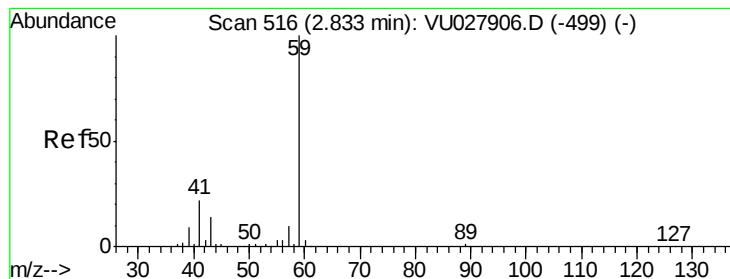
200

0

1.38 1.40 1.42

Time-->



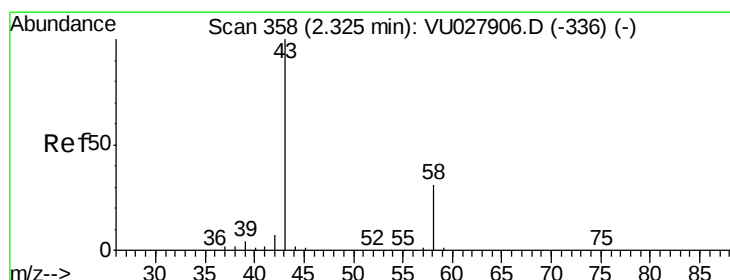
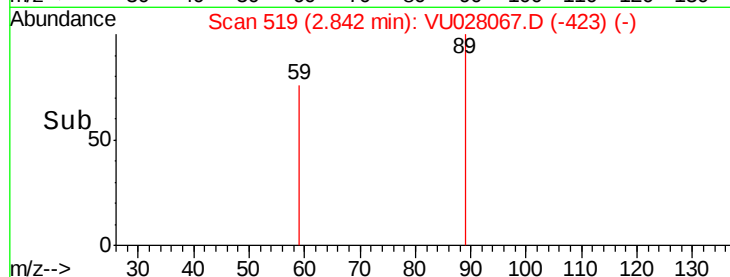
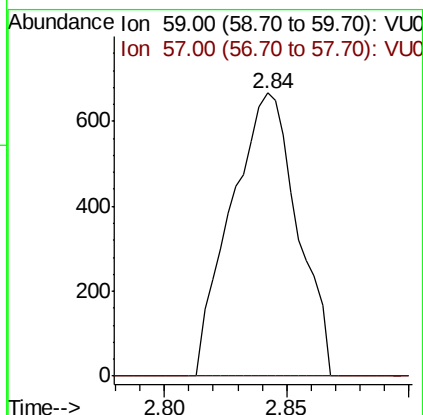
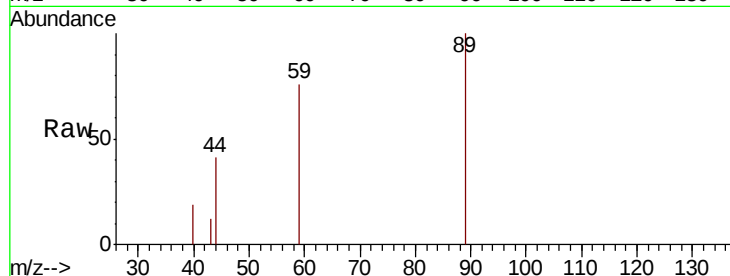


#11

Tert butyl alcohol
 Concen: 1.819 ug/l
 RT: 2.84 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VU028067.D
 Acq: 12 Nov 2018 16:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4DL

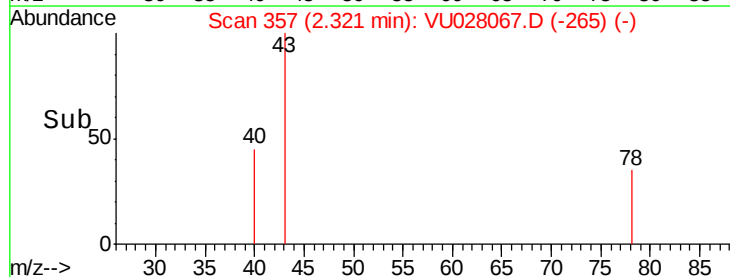
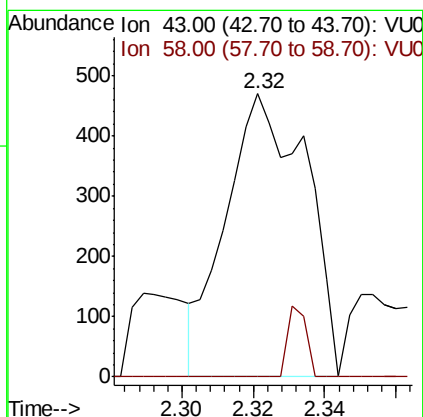
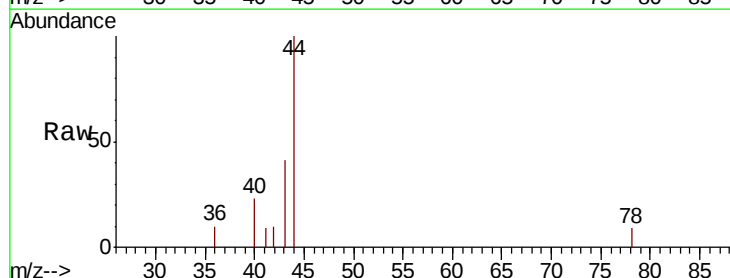
Tot Ion: 59 Resp: 1252
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

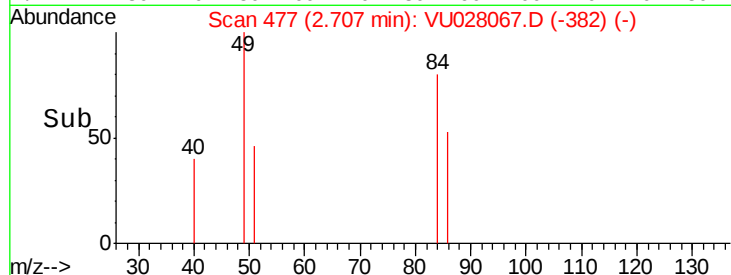
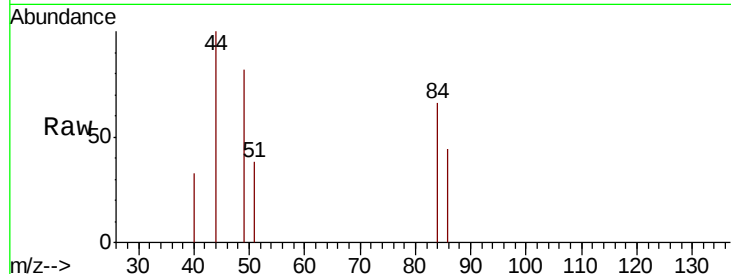
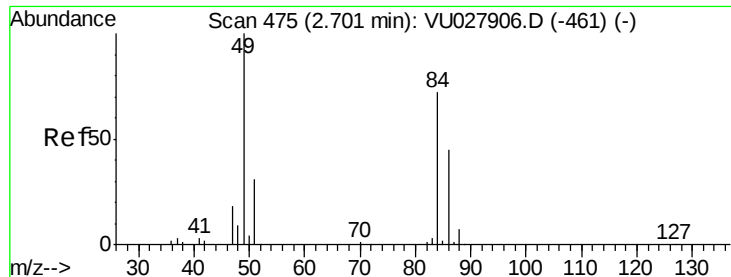


#16

Acetone
 Concen: 0.454 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028067.D
 Acq: 12 Nov 2018 16:09

Tgt Ion: 43 Resp: 732
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.6 37.0#

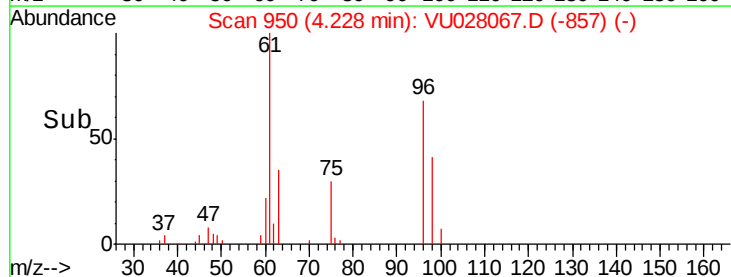
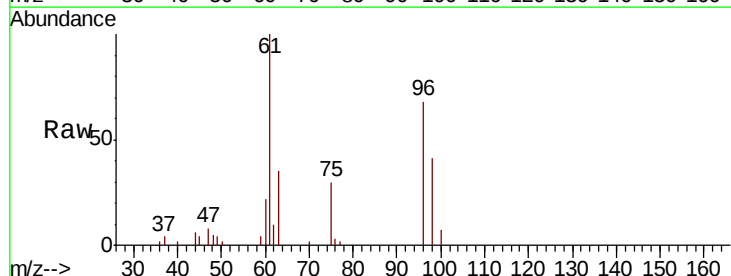
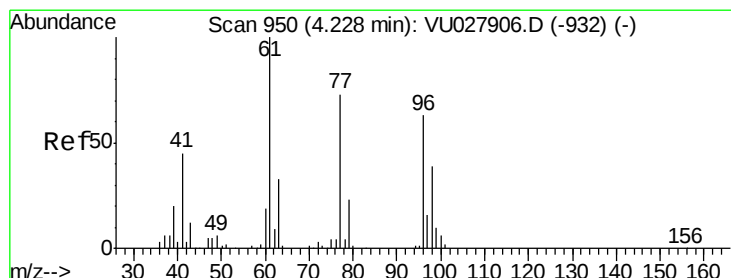
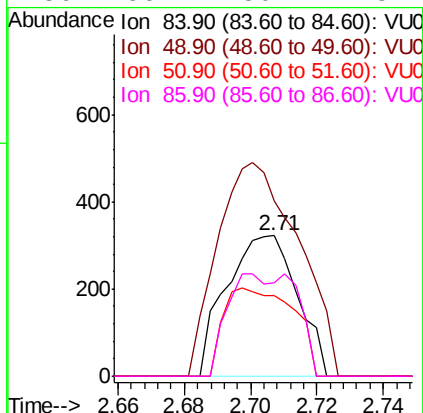




#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU028067.D
Acq: 12 Nov 2018 16:09

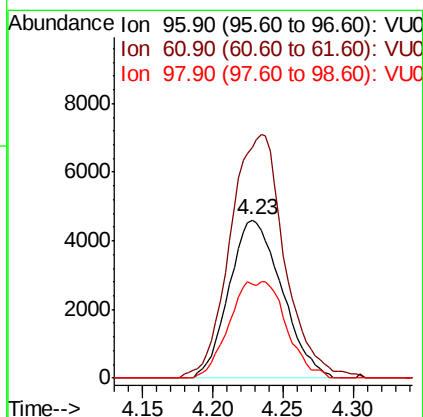
Instrument :
MSVOA_U
ClientSampleId :
MW-4DL

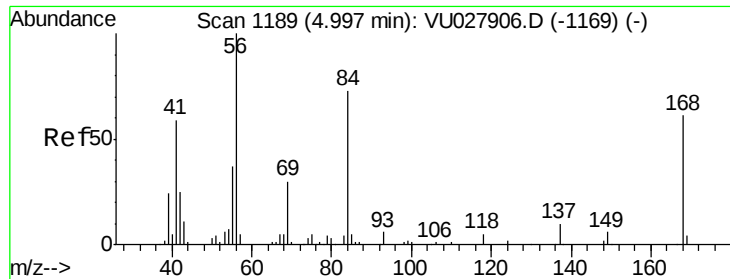
Tot Ion: 84 Resp: 480
Ion Ratio Lower Upper
84 100
49 124.5 111.6 167.4
51 57.1 34.8 52.2#
86 66.1 50.1 75.1



#27
cis-1,2-Dichloroethene
Concen: 5.080 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028067.D
Acq: 12 Nov 2018 16:09

Tgt Ion: 96 Resp: 12046
Ion Ratio Lower Upper
96 100
61 158.8 0.0 329.6
98 33.4 0.0 127.2

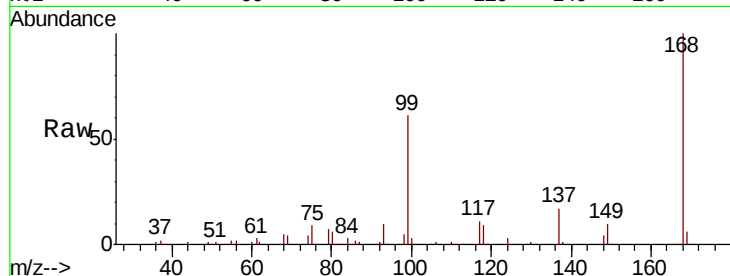




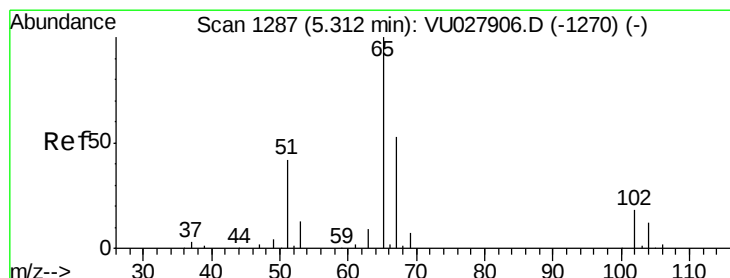
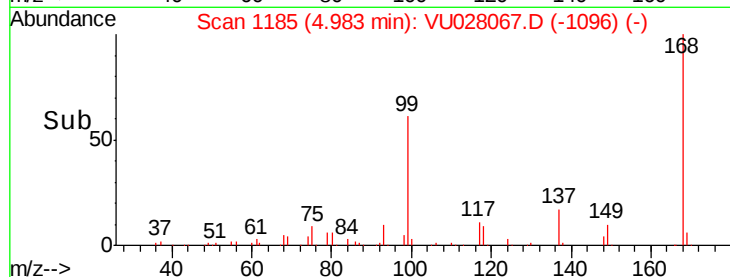
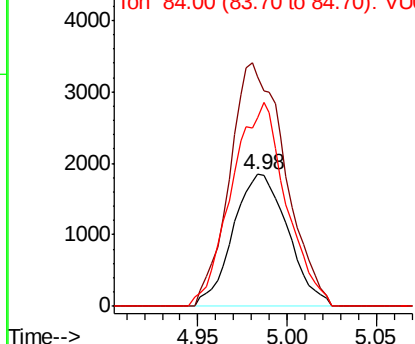
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028067.D
Acq: 12 Nov 2018 16:09

Instrument :
MSVOA_U
ClientSampleId :
MW-4DL

Tot Ion: 56 Resp: 3946
Ion Ratio Lower Upper
56 100
69 174.7 23.7 35.5#
84 143.3 58.2 87.4#

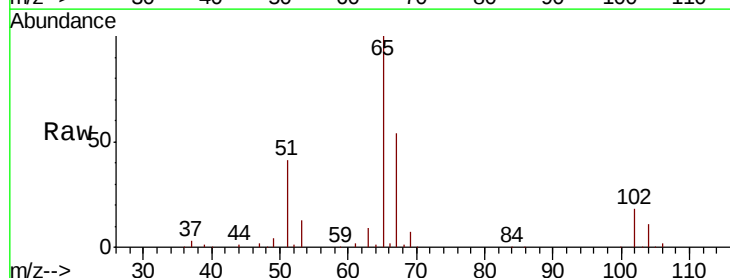


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

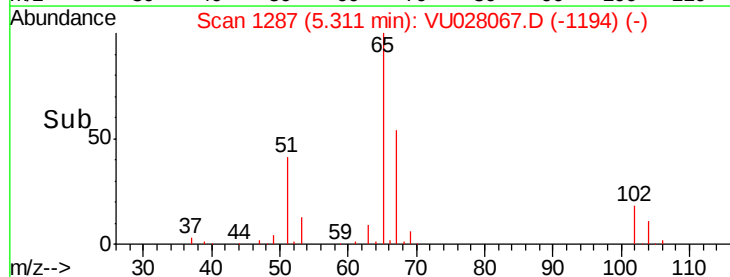
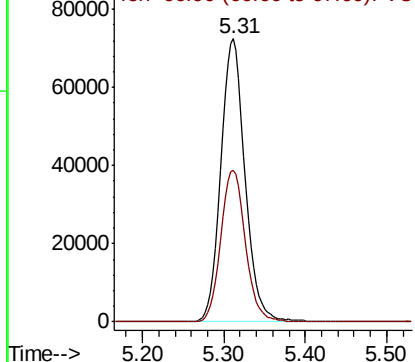


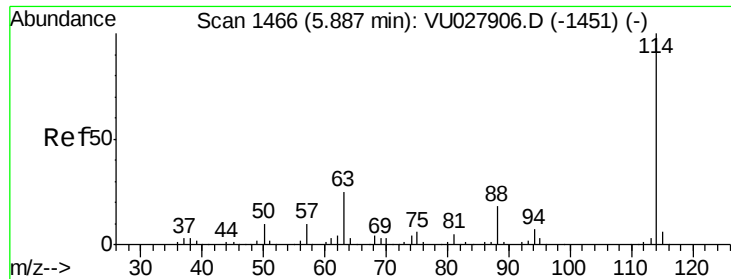
#33
1,2-Dichloroethane-d4
Concen: 58.793 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU028067.D
Acq: 12 Nov 2018 16:09

Tgt Ion: 65 Resp: 152832
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.0



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

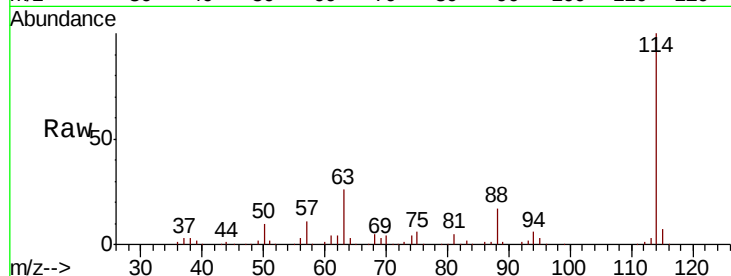




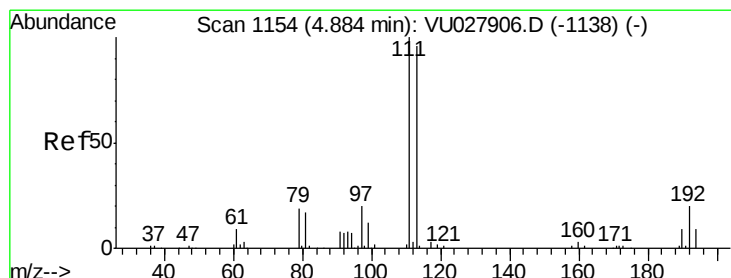
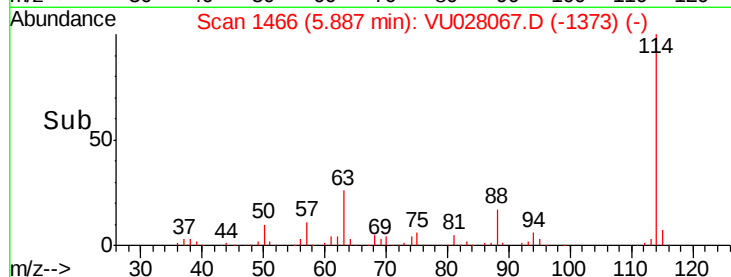
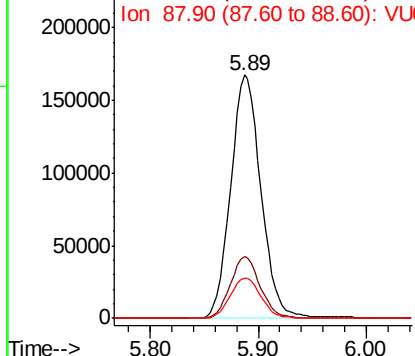
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028067.D
 Acq: 12 Nov 2018 16:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4DL

Tot Ion:114 Resp: 327721
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 50.8
 88 16.7 0.0 35.8

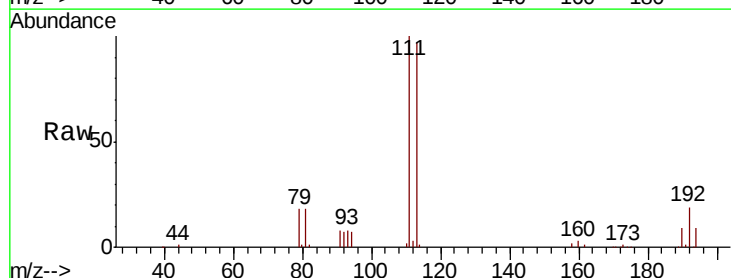


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

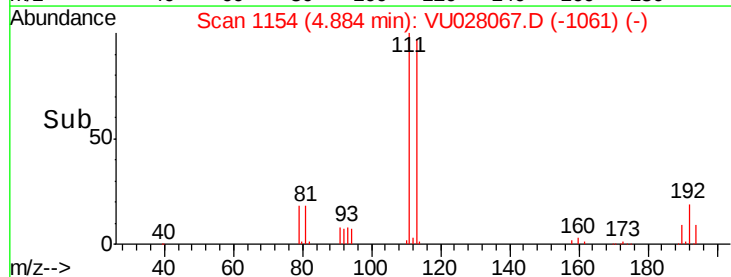
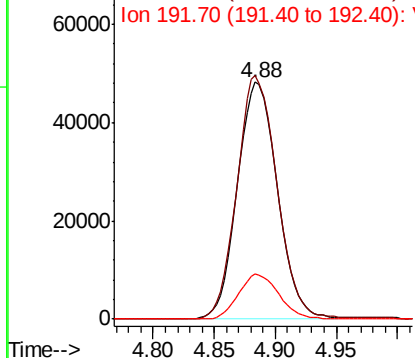


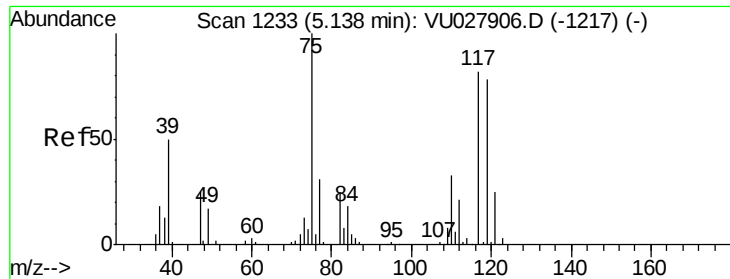
#35
 Dibromofluoromethane
 Concen: 53.007 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028067.D
 Acq: 12 Nov 2018 16:09

Tgt Ion:113 Resp: 109531
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.0 124.6
 192 19.0 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: 4.624 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028067.D

Acq: 12 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

MW-4DL

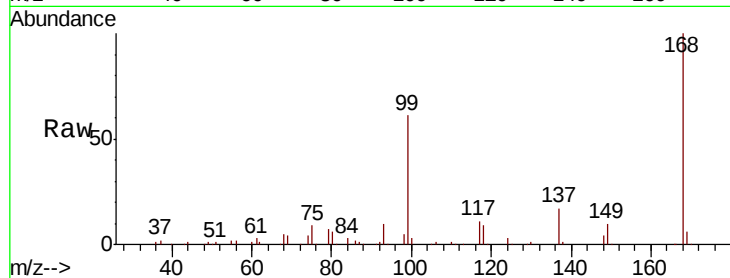
Tot Ion: 75 Resp: 15872

Ion Ratio Lower Upper

75 100

110 7.9 16.5 49.5#

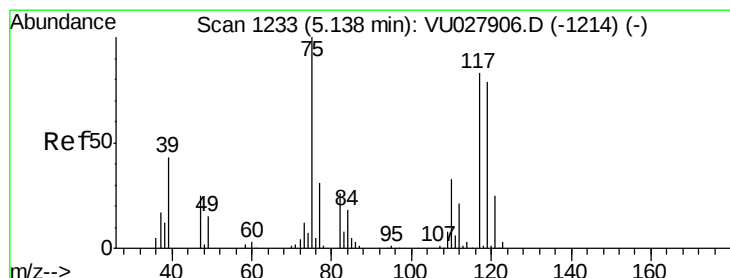
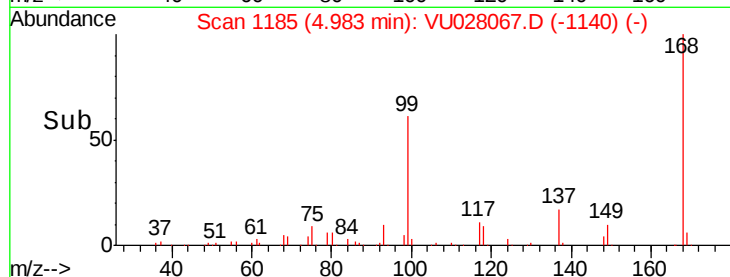
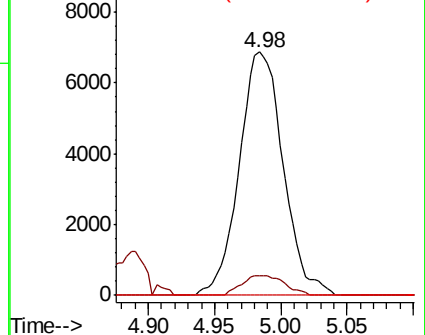
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-1217) (-)

Ion 109.90 (109.60 to 110.60): VU027906.D (-1217) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1217) (-)



#38

Carbon Tetrachloride

Concen: 5.955 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028067.D

Acq: 12 Nov 2018 16:09

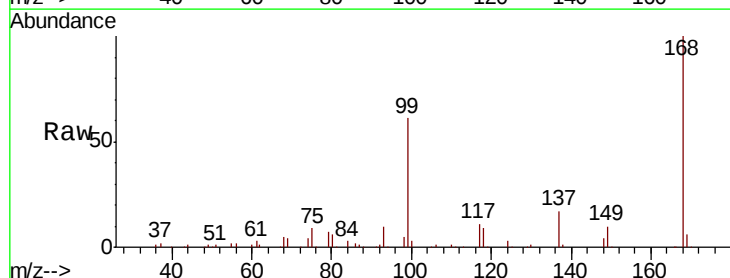
Tgt Ion: 117 Resp: 18114

Ion Ratio Lower Upper

117 100

119 4.5 76.0 114.0#

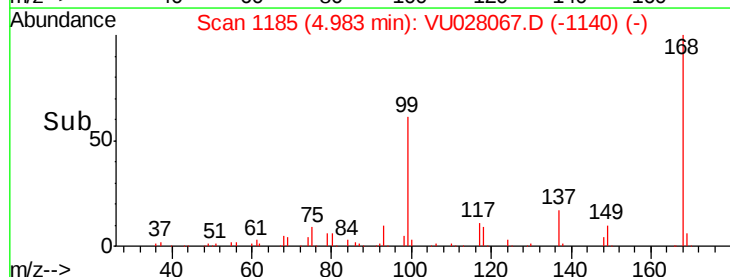
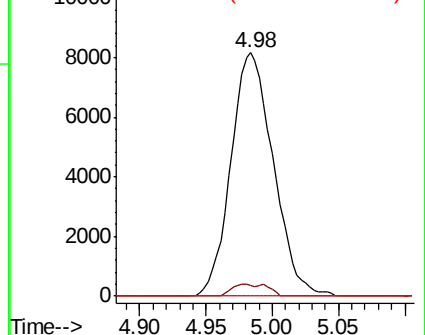
121 0.0 24.5 36.7#

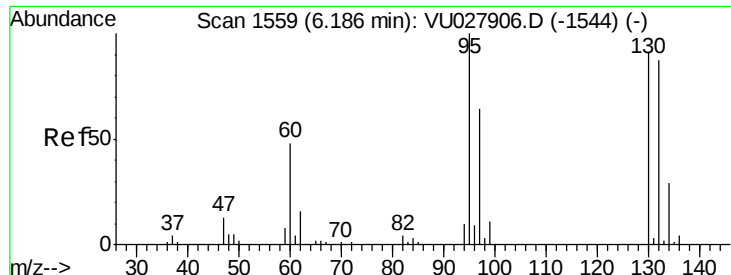


Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)





#44

Trichloroethene

Concen: 0.995 ug/l

RT: 6.20 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VU028067.D

Acq: 12 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampled :

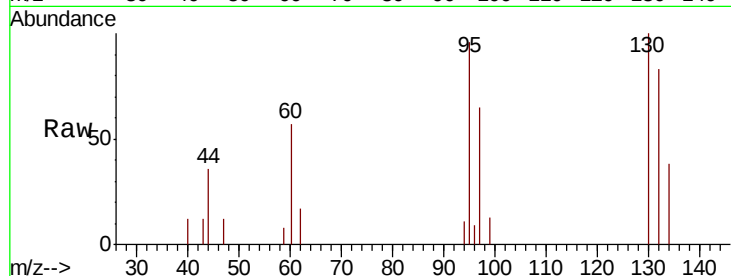
MW-4DL

Tot Ion:130 Resp: 2245

Ion Ratio Lower Upper

130 100

95 96.3 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU028067.D (-1562) (-)

Ion 94.90 (94.60 to 95.60): VU028067.D (-1562) (-)

6.20

1500

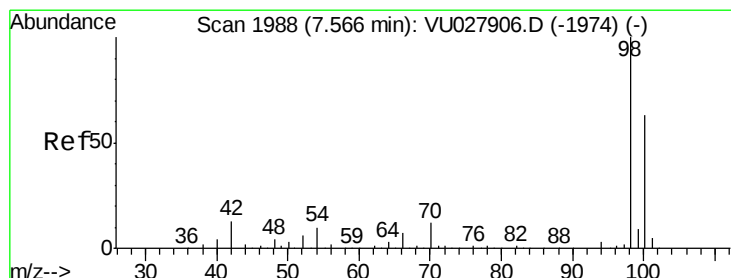
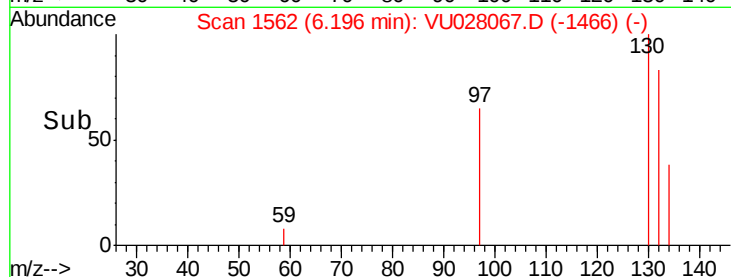
1000

500

0

Time-->

6.15 6.20 6.25



#50

Toluene-d8

Concen: 54.163 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028067.D

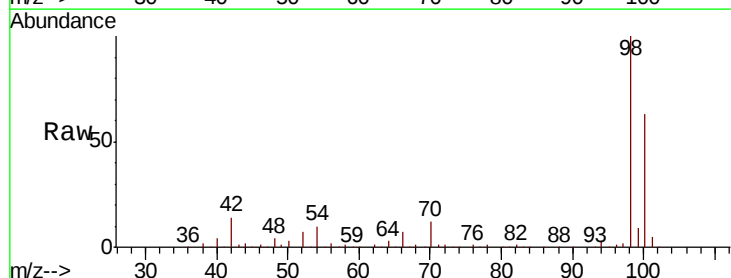
Acq: 12 Nov 2018 16:09

Tgt Ion: 98 Resp: 432333

Ion Ratio Lower Upper

98 100

100 62.3 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU028067.D (-1895) (-)

Ion 100.00 (99.70 to 100.70): VU028067.D (-1895) (-)

7.57

300000

250000

200000

150000

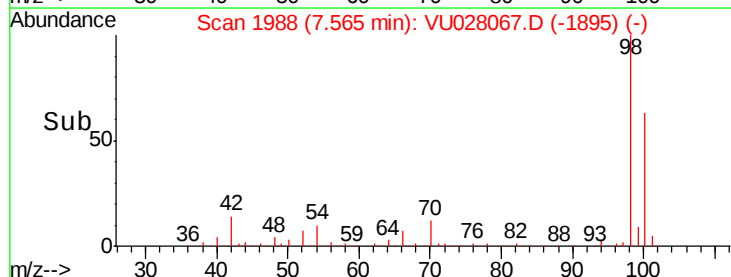
100000

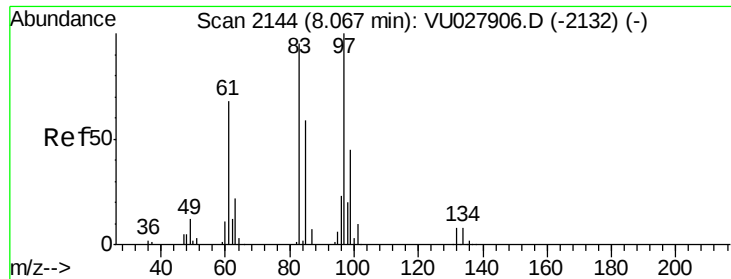
50000

0

Time-->

7.50 7.55 7.60 7.65 7.70

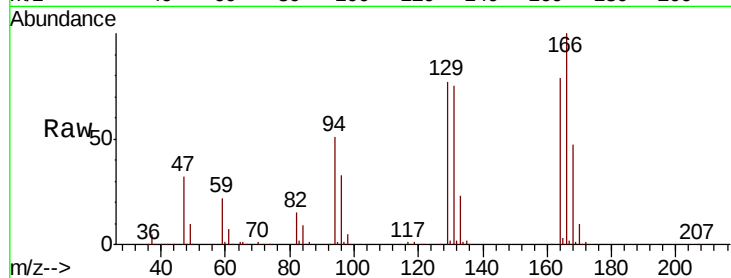




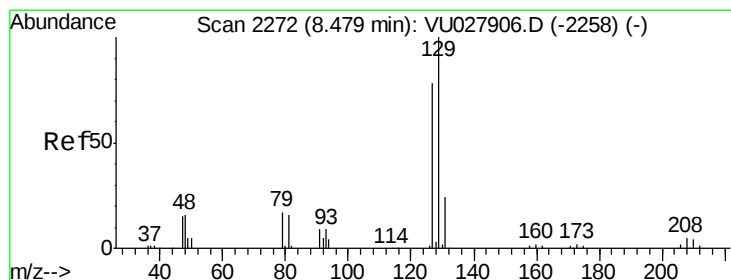
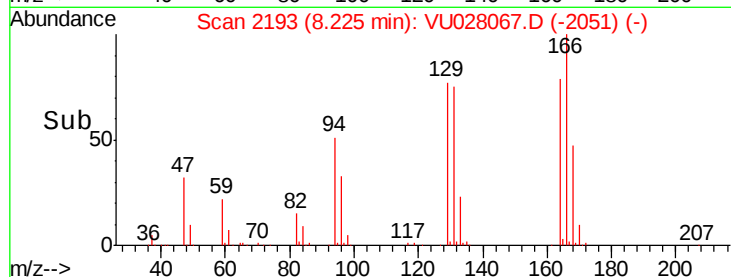
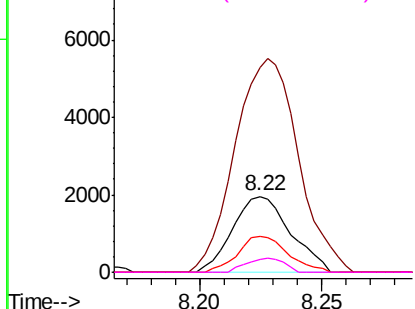
#55
 1,1,2-Trichloroethane
 Concen: 1.277 ug/l
 RT: 8.22 min Scan# 2193
 Delta R.T. 0.16 min
 Lab File: VU028067.D
 Acq: 12 Nov 2018 16:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4DL

Tot Ion: 97 Resp: 3205
 Ion Ratio Lower Upper
 97 100
 83 271.4 76.1 114.1#
 85 47.4 48.9 73.3#
 99 16.5 52.0 78.0#

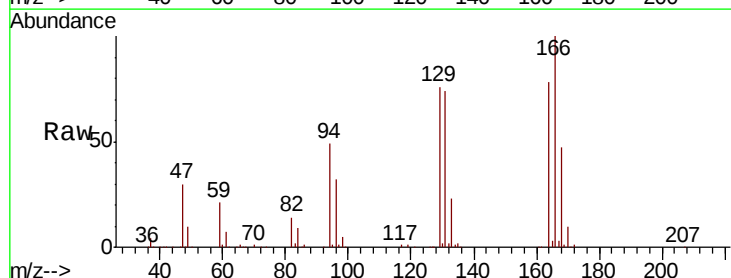


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

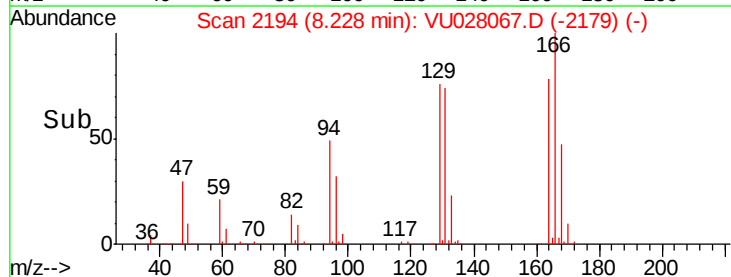
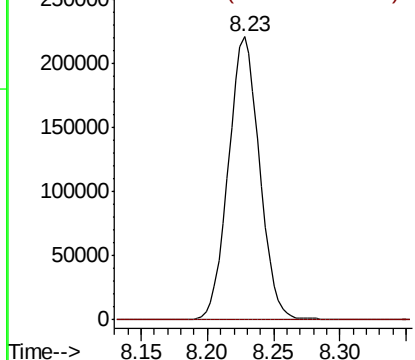


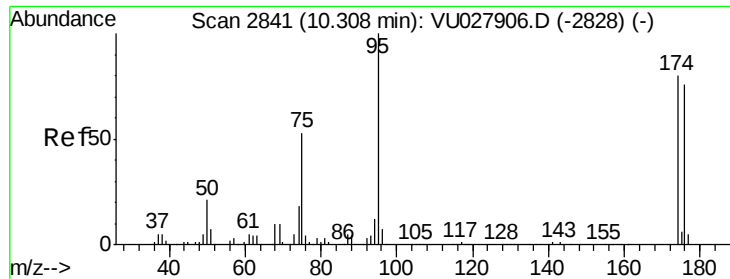
#60
 Dibromochloromethane
 Concen: 151.556 ug/l
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.25 min
 Lab File: VU028067.D
 Acq: 12 Nov 2018 16:09

Tgt Ion: 129 Resp: 359964
 Ion Ratio Lower Upper
 129 100
 127 0.1 39.2 117.6#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

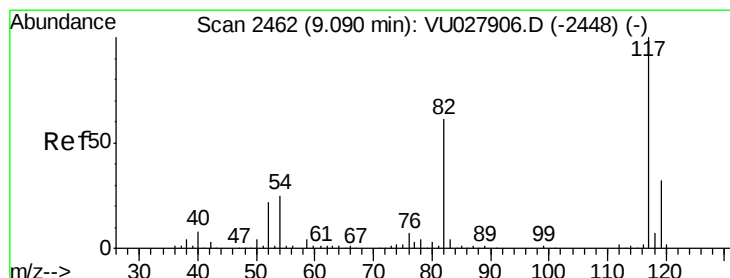
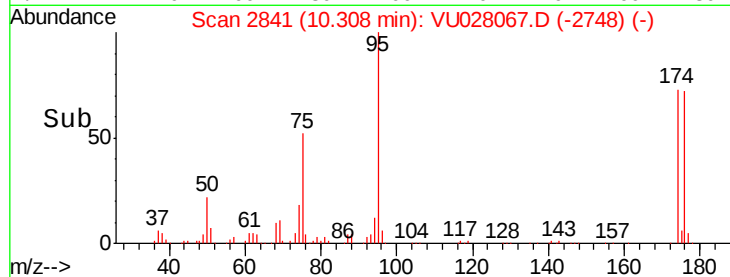
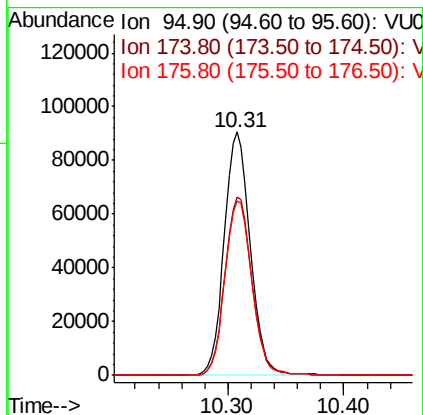
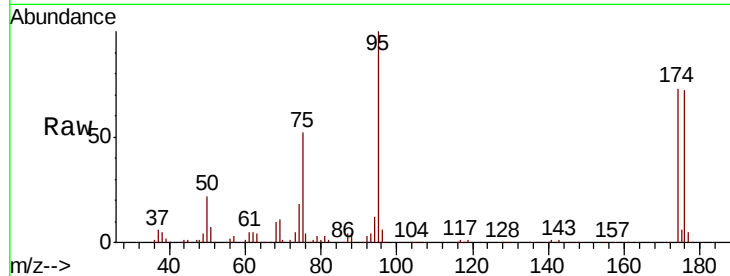




#62
4-Bromofluorobenzene
Concen: 47.697 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028067.D
Acq: 12 Nov 2018 16:09

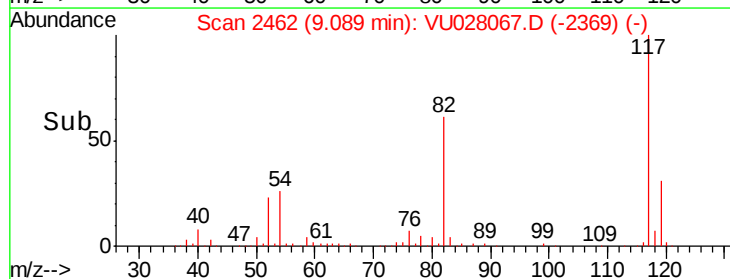
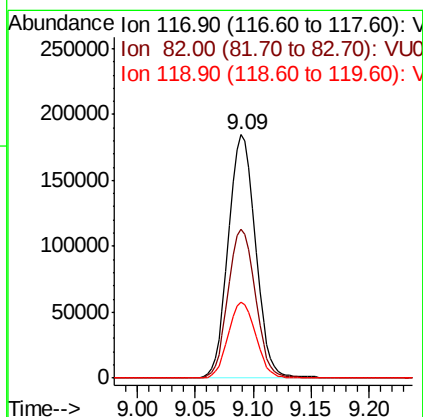
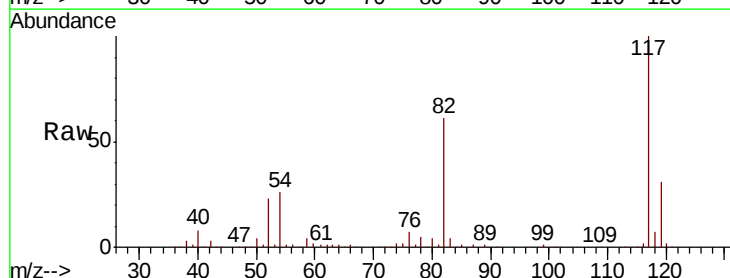
Instrument :
MSVOA_U
ClientSampleId :
MW-4DL

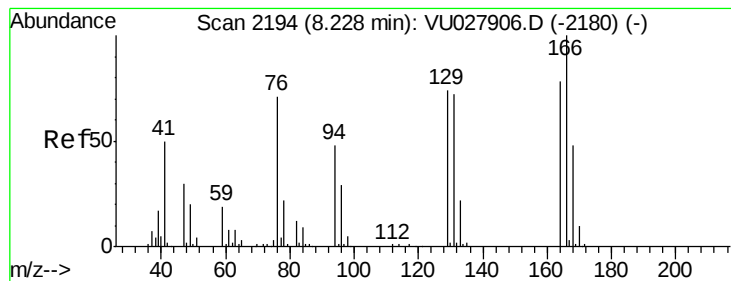
Tot Ion: 95 Resp: 140426
Ion Ratio Lower Upper
95 100
174 75.4 0.0 156.4
176 73.7 0.0 150.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028067.D
Acq: 12 Nov 2018 16:09

Tgt Ion: 117 Resp: 300503
Ion Ratio Lower Upper
117 100
82 61.4 48.6 73.0
119 31.0 25.8 38.8





#64

Tetrachloroethene

Concen: 192.292 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028067.D

Acq: 12 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

MW-4DL

Tot Ion:164 Resp: 374689

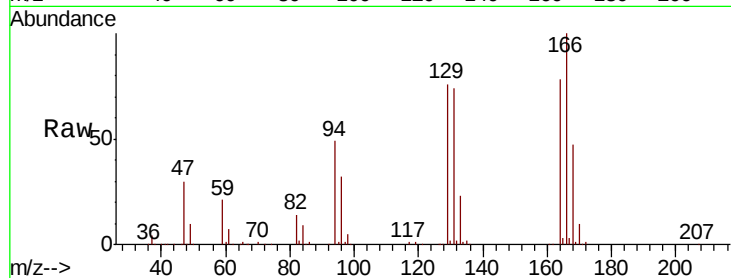
Ion Ratio Lower Upper

164 100

166 127.5 102.1 153.1

129 96.9 75.9 113.9

131 94.7 73.0 109.6



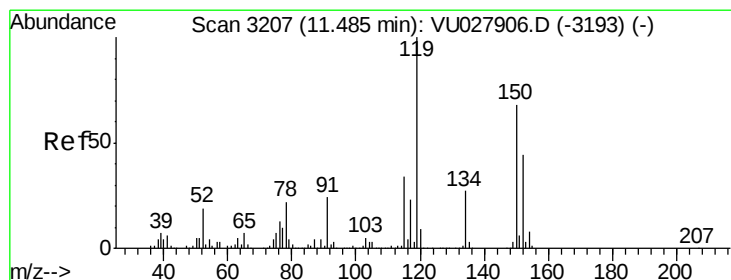
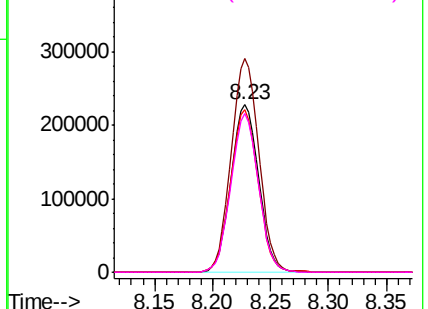
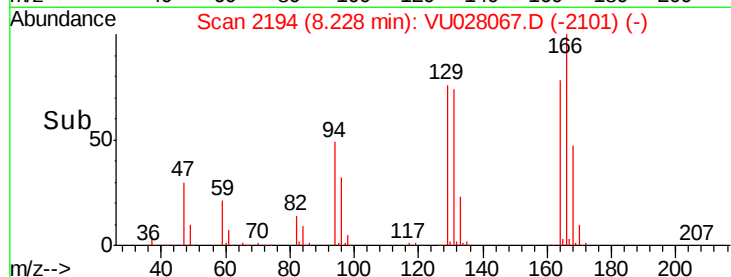
Abundance

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: VU028067.D

Acq: 12 Nov 2018 16:09

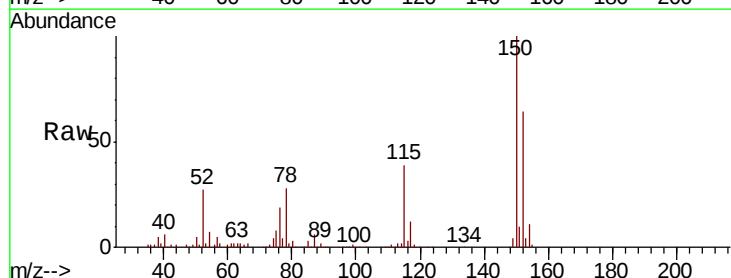
Tgt Ion:152 Resp: 113874

Ion Ratio Lower Upper

152 100

115 60.8 43.0 129.0

150 155.8 0.0 349.4

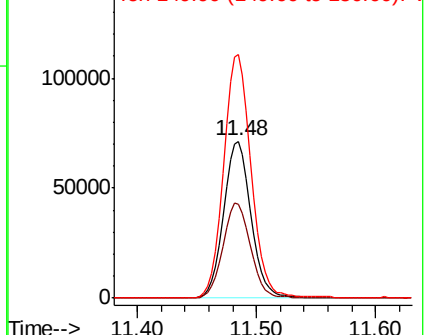
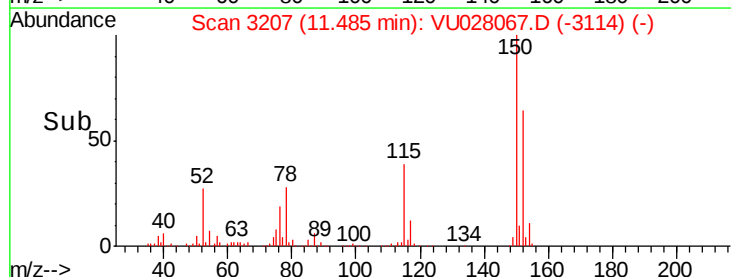


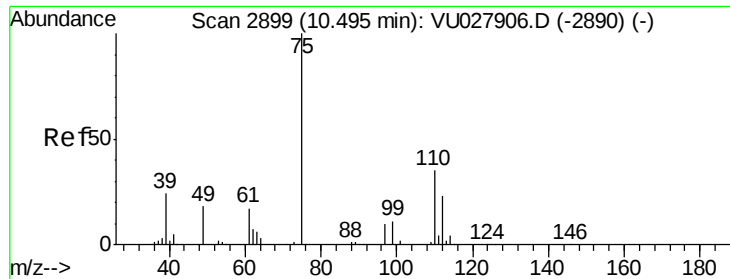
Abundance

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: 23.879 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028067.D

Acq: 12 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampled :

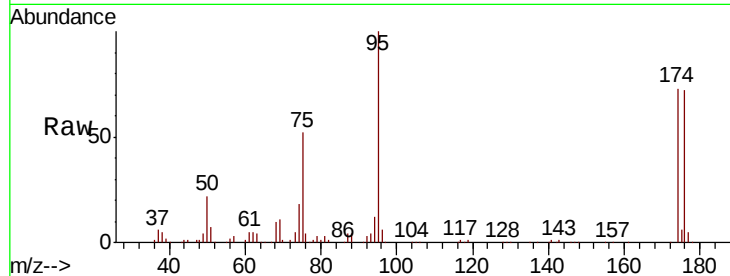
MW-4DL

Tot Ion: 75 Resp: 74378

Ion Ratio Lower Upper

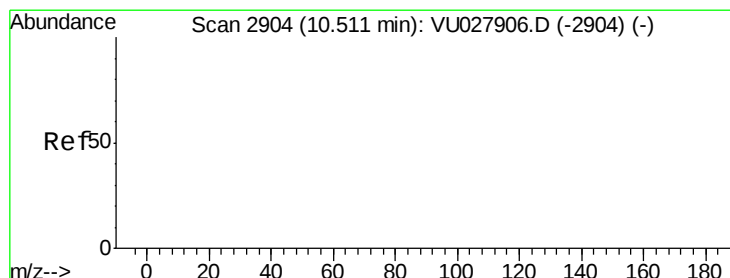
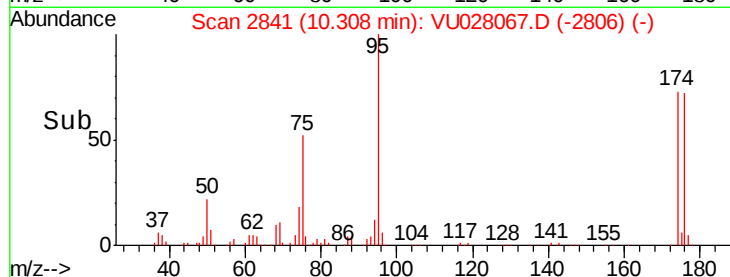
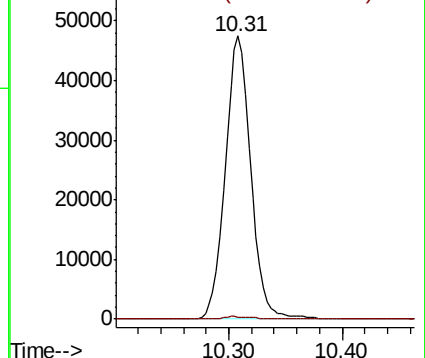
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 59.570 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028067.D

Acq: 12 Nov 2018 16:09

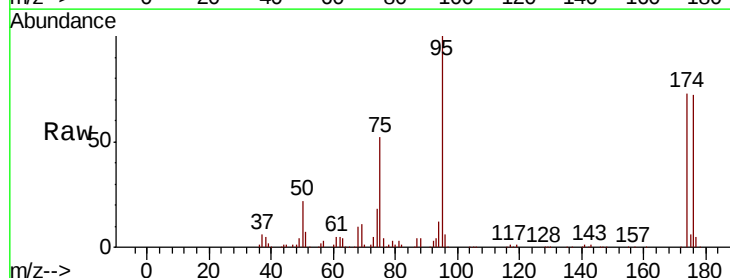
Tgt Ion: 75 Resp: 74378

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

