

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012767.D
 Acq On : 02 Oct 2019 18:23
 Operator : JC/SP
 Sample : K5154-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-106D

Quant Time: Oct 03 01:33:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	177117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104358	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	124125	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
35) Dibromofluoromethane	5.48	113	92766	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
50) Toluene-d8	8.71	98	361941	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	11.14	95	120240	43.59	ug/l	0.00
Spiked Amount			Recovery	=	87.18%	

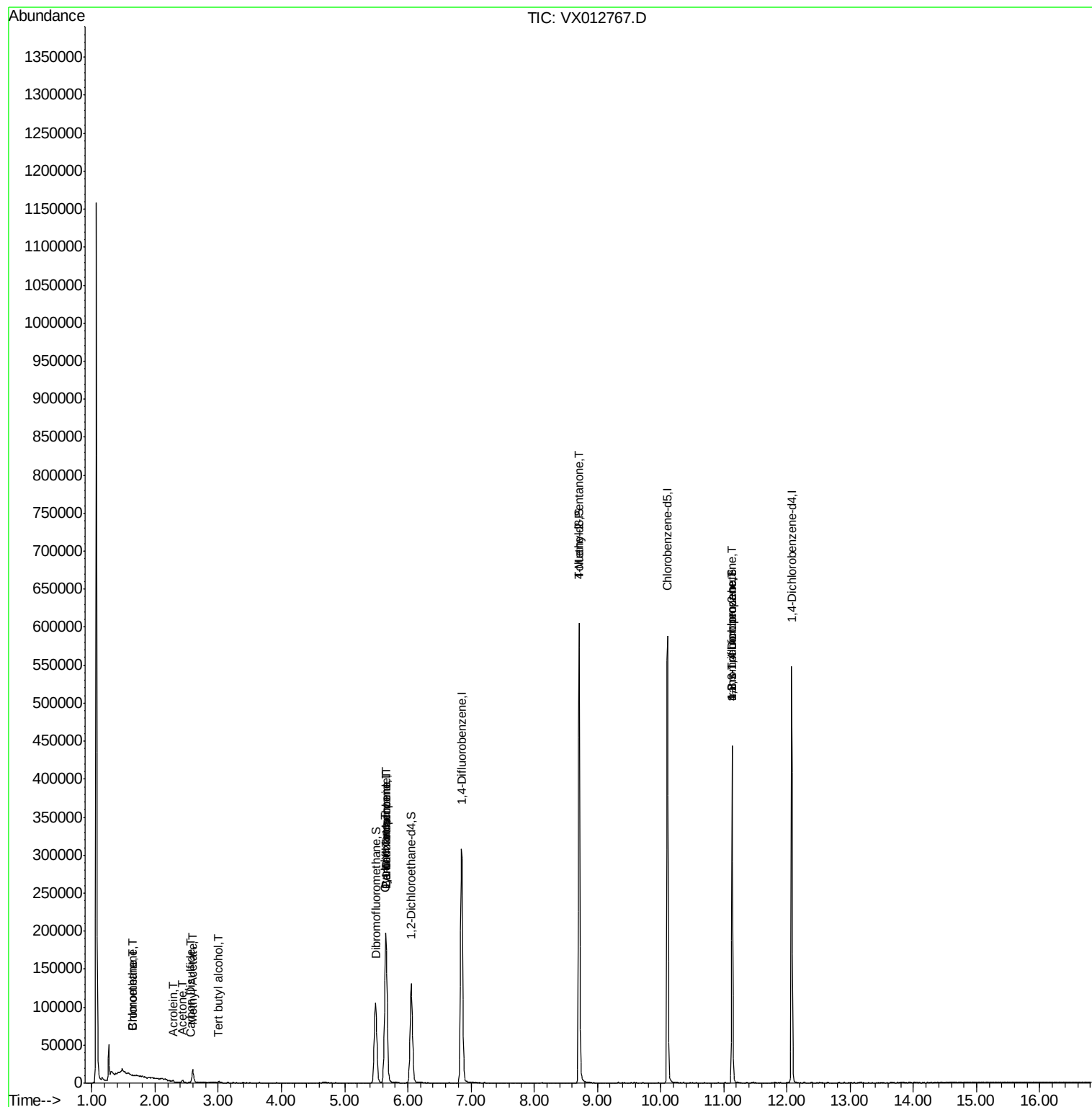
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	340	0.380	ug/l #	72
6) Chloroethane	1.64	64	1166	0.761	ug/l #	53
11) Tert butyl alcohol	3.01	59	1033	1.603	ug/l #	72
13) Acrolein	2.28	56	127	10.572	ug/l #	54
16) Acetone	2.44	43	3519	2.576	ug/l #	88
17) Carbon Disulfide	2.56	76	1300	0.244	ug/l	96
18) Methyl Acetate	2.59	43	5008	1.557	ug/l #	54
31) Cyclohexane	5.64	56	3958	1.102	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14764	5.008	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19053	6.362	ug/l #	16
51) 4-Methyl-2-Pentanone	8.70	43	1767	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	61844	22.403	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	61844	64.202	ug/l #	8

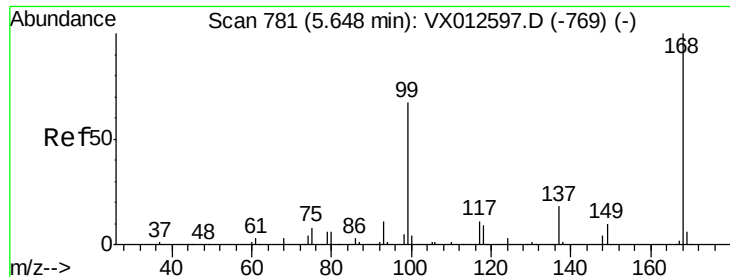
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

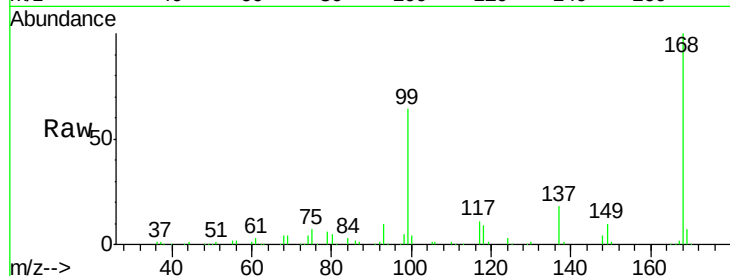
MW-106D

Tot Ion:168 Resp: 177117

Ion Ratio Lower Upper

168 100

99 64.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

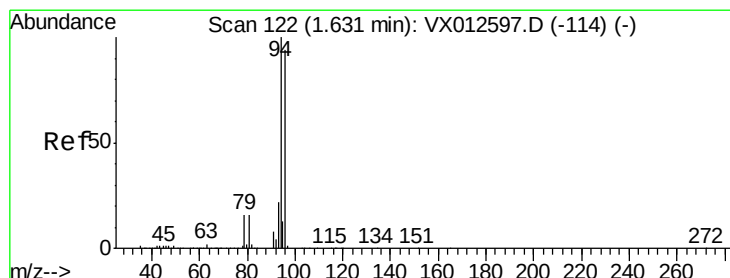
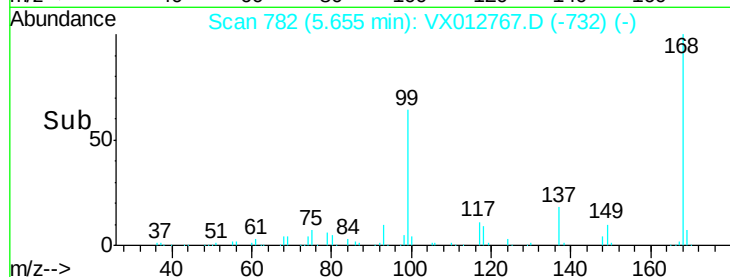
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.380 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012767.D

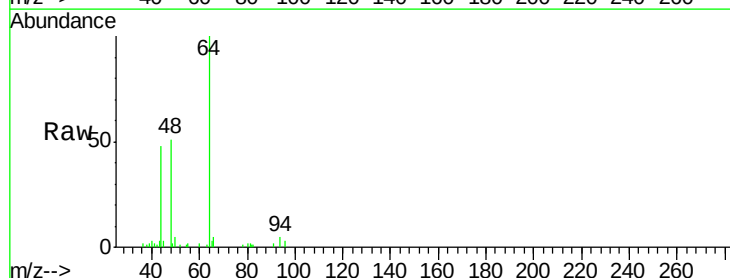
Acq: 02 Oct 2019 18:23

Tgt Ion: 94 Resp: 340

Ion Ratio Lower Upper

94 100

96 64.3 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

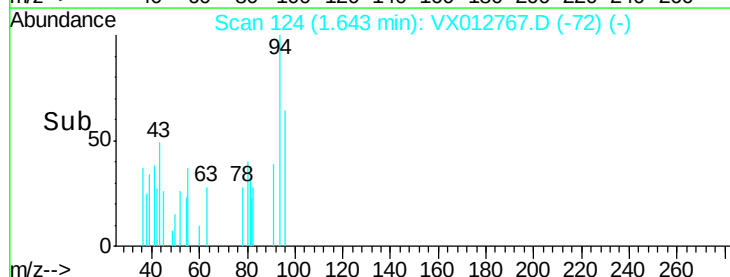
100

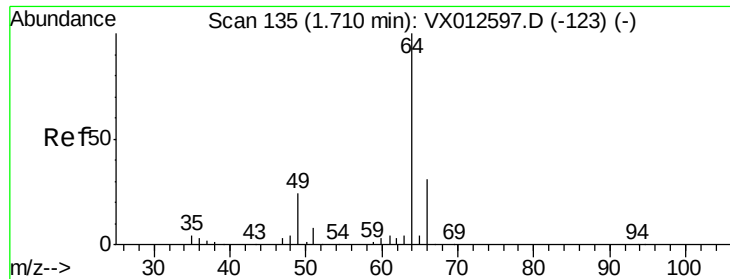
50

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.761 ug/l

RT: 1.64 min Scan# 124

Delta R.T. -0.07 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

Instrument :

MSVOA_X

ClientSampled :

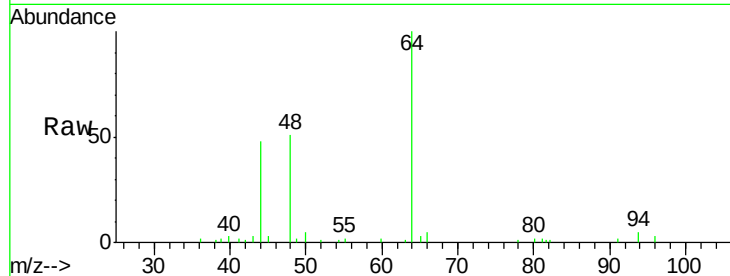
MW-106D

Tot Ion: 64 Resp: 1166

Ion Ratio Lower Upper

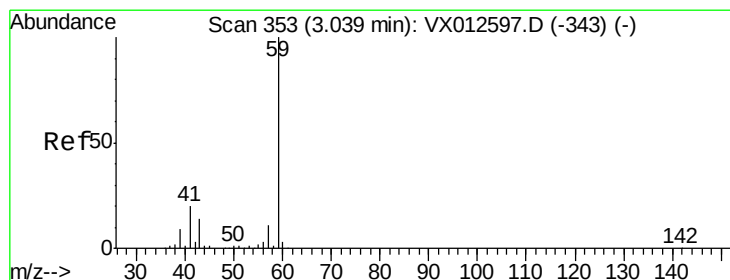
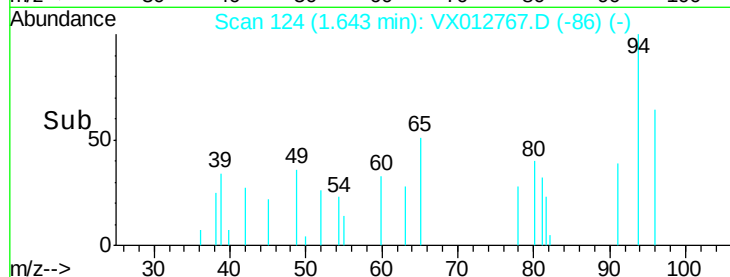
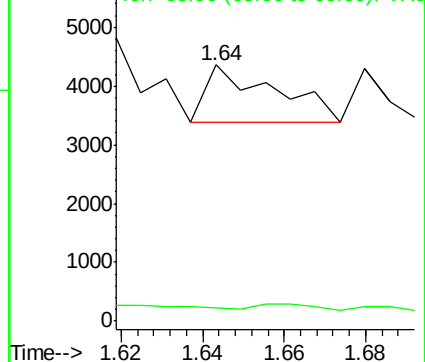
64 100

66 4.7 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 1.603 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX012767.D

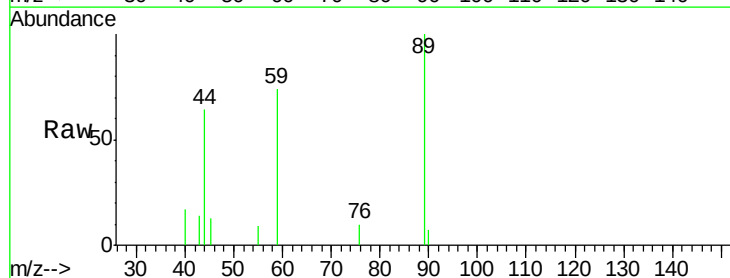
Acq: 02 Oct 2019 18:23

Tgt Ion: 59 Resp: 1033

Ion Ratio Lower Upper

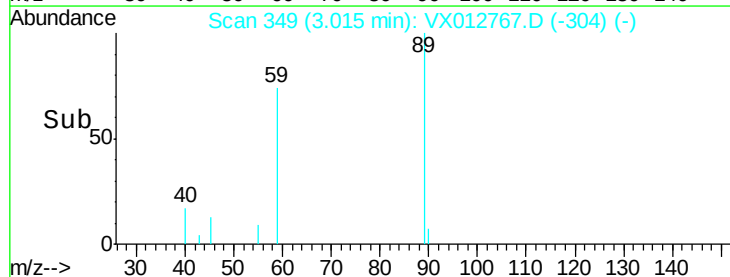
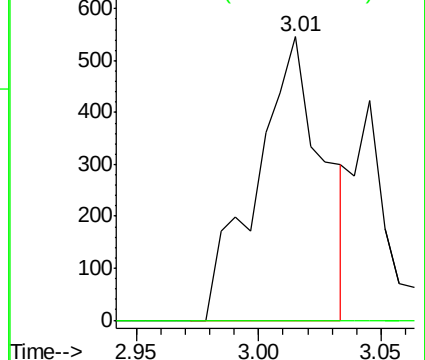
59 100

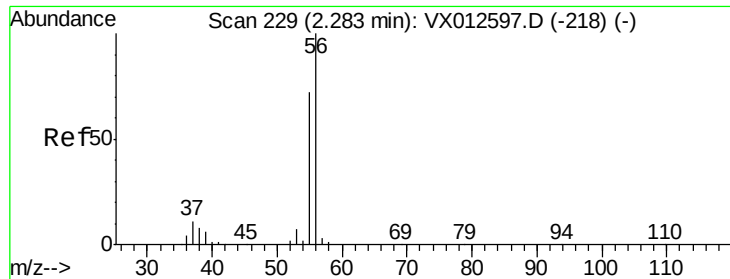
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.572 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

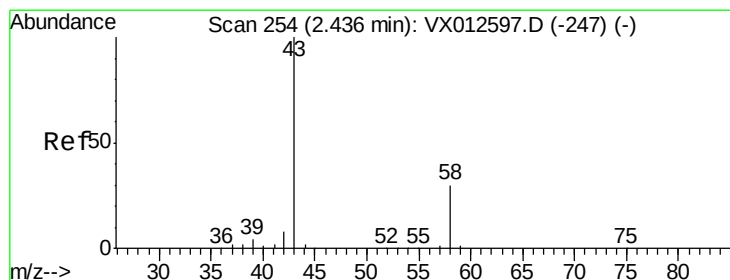
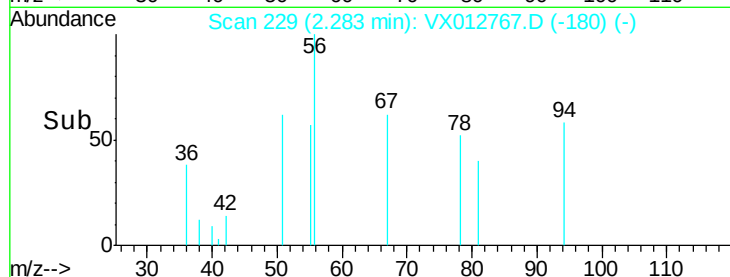
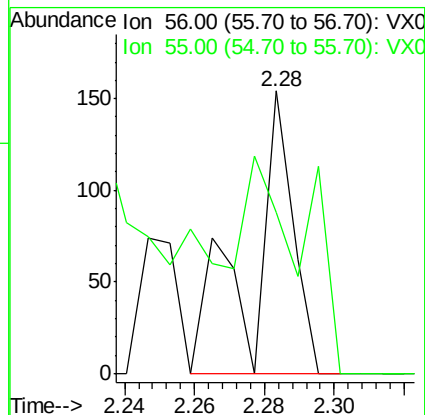
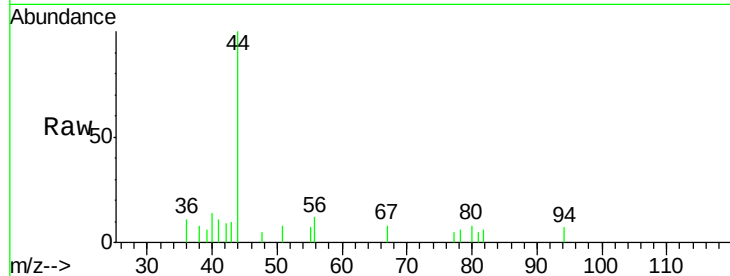
MW-106D

Tot Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 107.1 55.8 83.8#



#16

Acetone

Concen: 2.576 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012767.D

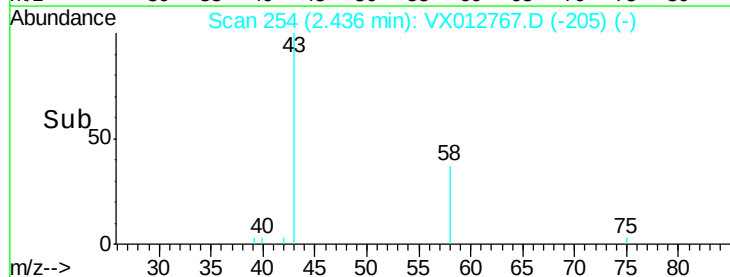
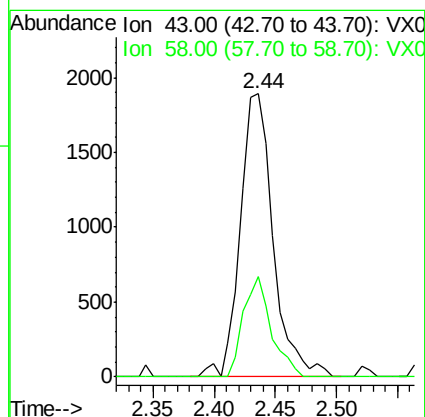
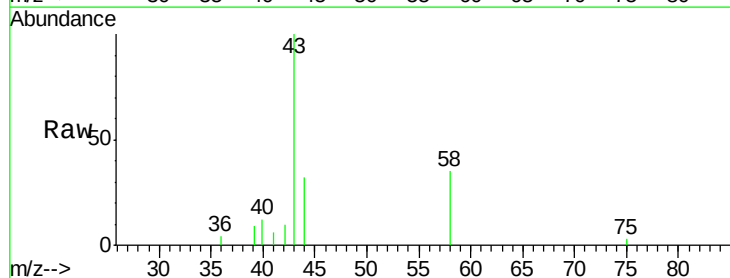
Acq: 02 Oct 2019 18:23

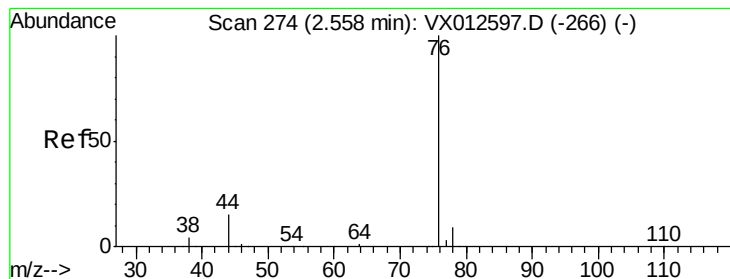
Tgt Ion: 43 Resp: 3519

Ion Ratio Lower Upper

43 100

58 35.4 23.3 34.9#





#17

Carbon Disulfide

Concen: 0.244 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

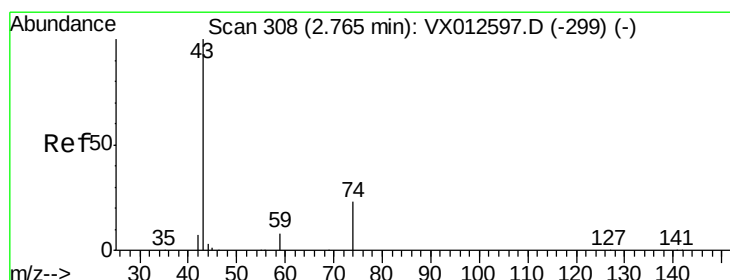
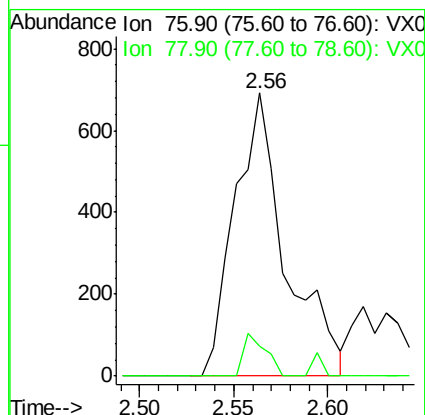
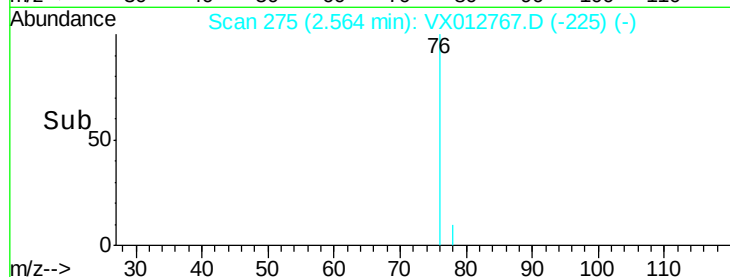
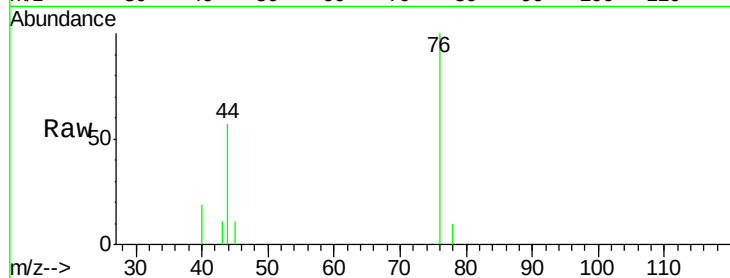
MW-106D

Tot Ion: 76 Resp: 1300

Ion Ratio Lower Upper

76 100

78 10.4 7.3 10.9



#18

Methyl Acetate

Concen: 1.557 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012767.D

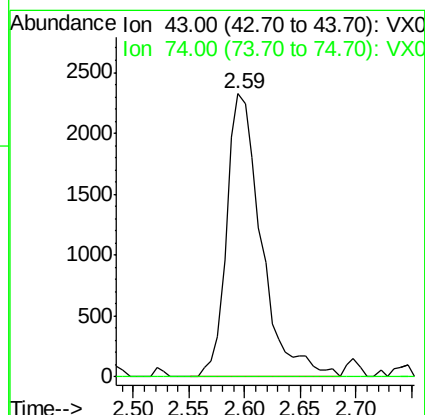
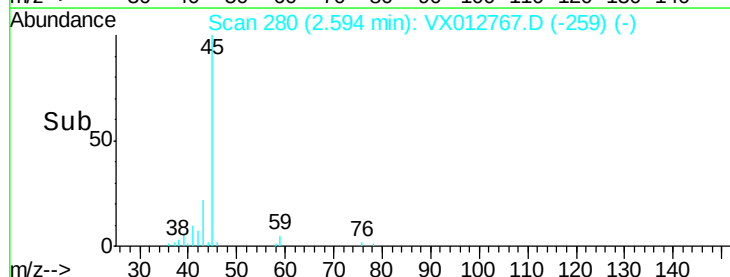
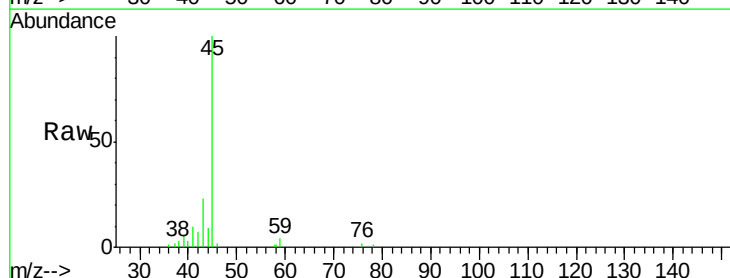
Acq: 02 Oct 2019 18:23

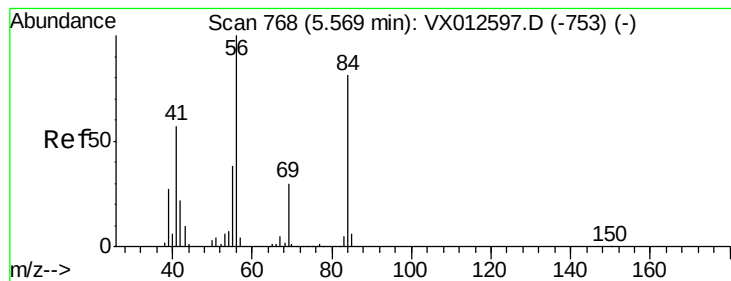
Tgt Ion: 43 Resp: 5008

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#





#31

Cyclohexane

Concen: 1.102 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

MW-106D

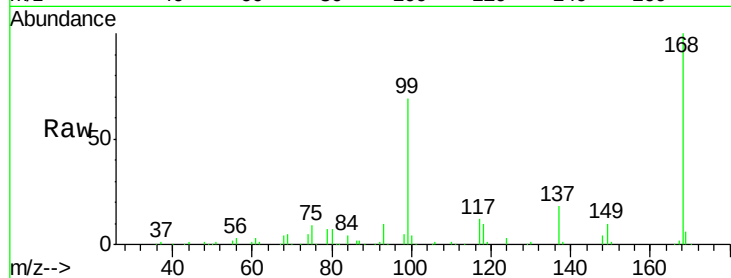
Tot Ion: 56 Resp: 3958

Ion Ratio Lower Upper

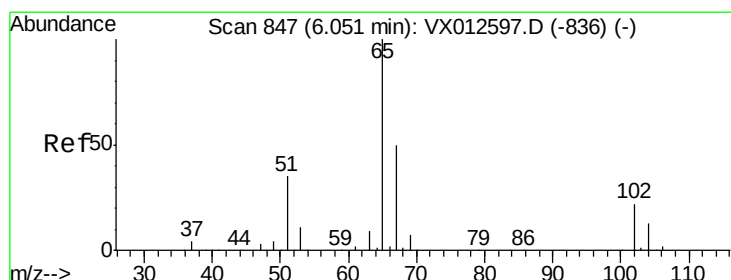
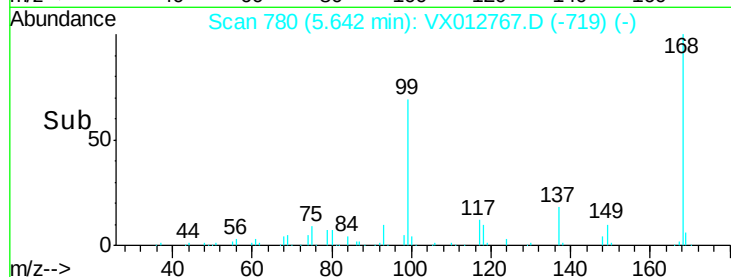
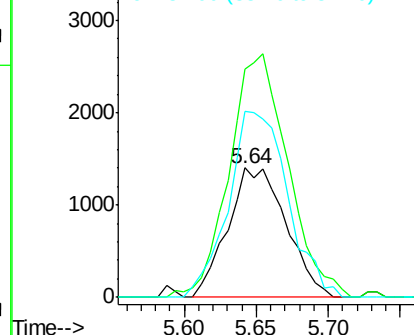
56 100

69 170.3 25.0 37.6#

84 143.8 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.126 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012767.D

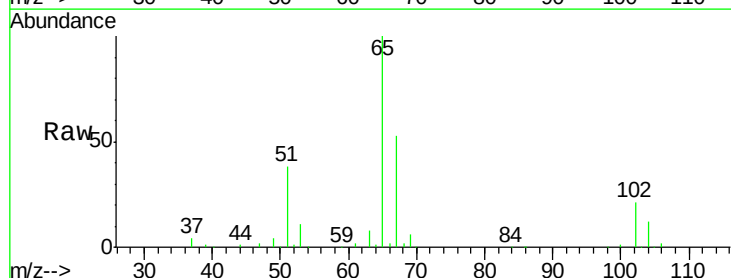
Acq: 02 Oct 2019 18:23

Tgt Ion: 65 Resp: 124125

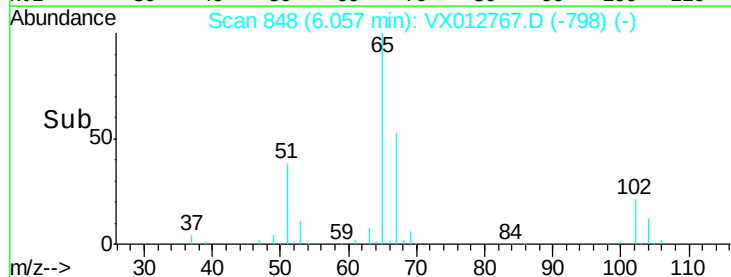
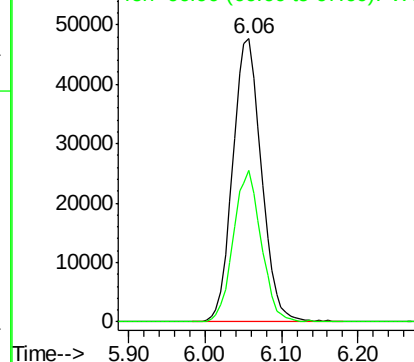
Ion Ratio Lower Upper

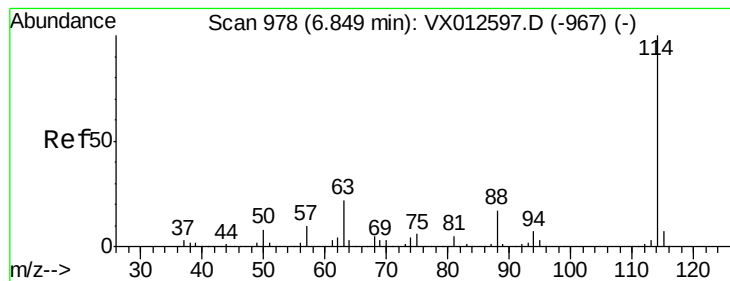
65 100

67 51.8 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

Instrument :

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ClientSampleId :

MW-106D

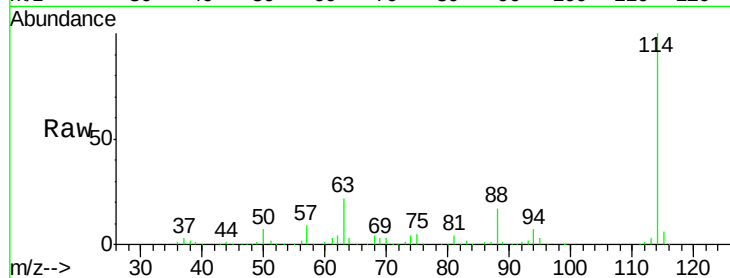
Tot Ion:114 Resp: 305853

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

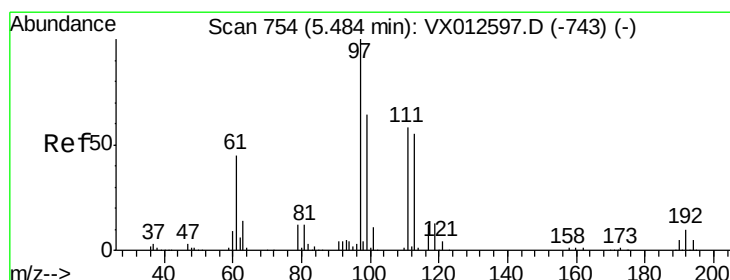
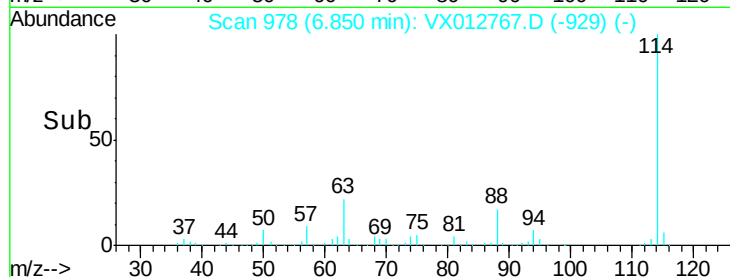
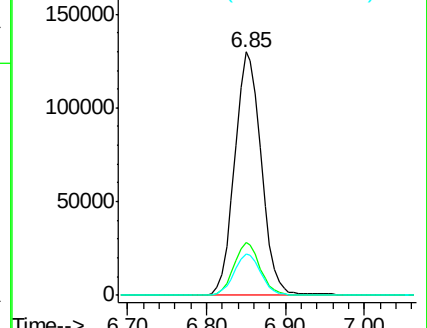
88 17.0 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.929 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

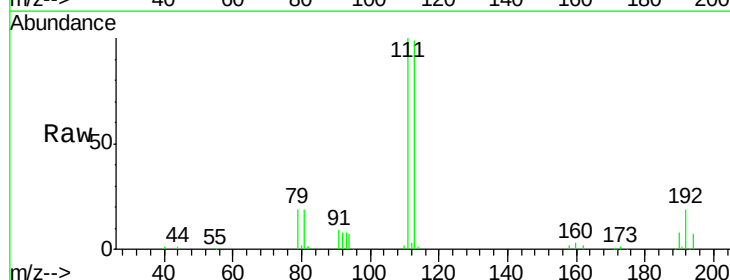
Tgt Ion:113 Resp: 92766

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

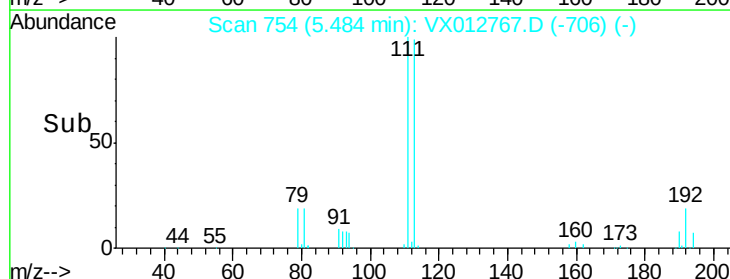
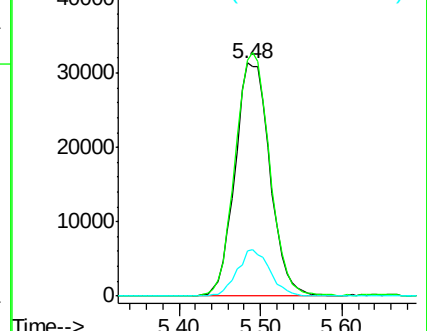
192 18.4 14.4 21.6

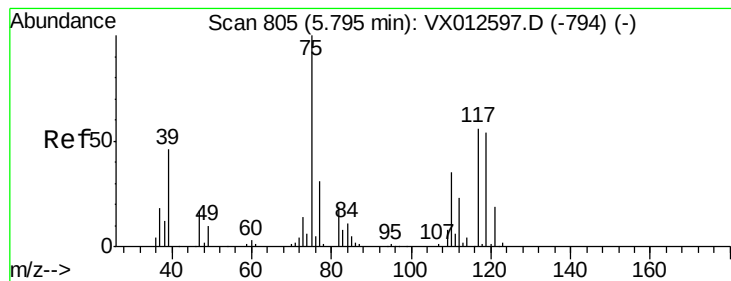


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.008 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

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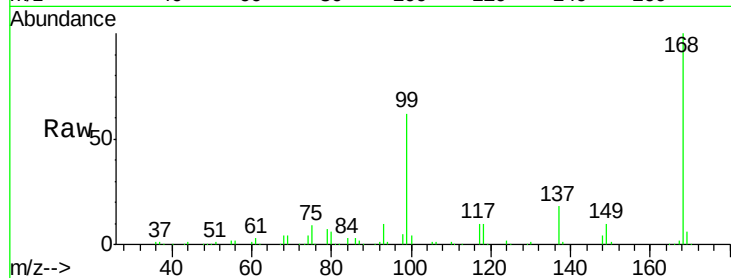
Tot Ion: 75 Resp: 14764

Ion Ratio Lower Upper

75 100

110 9.1 16.7 50.0#

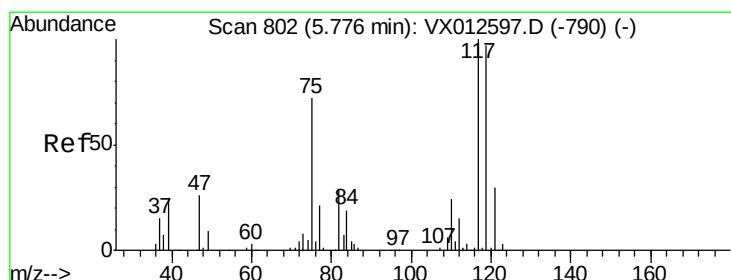
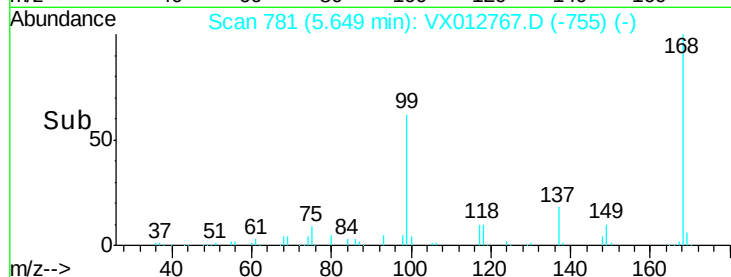
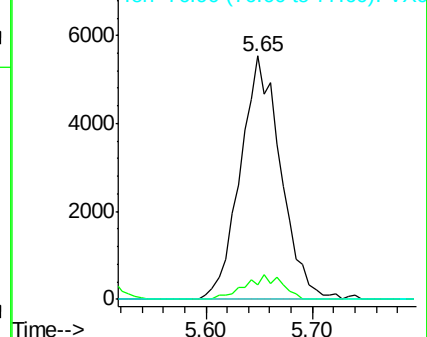
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.362 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

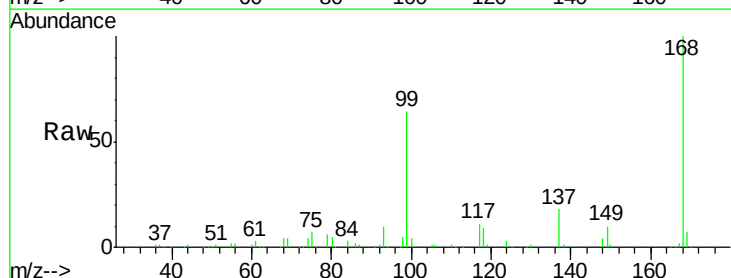
Tgt Ion: 117 Resp: 19053

Ion Ratio Lower Upper

117 100

119 4.8 75.7 113.5#

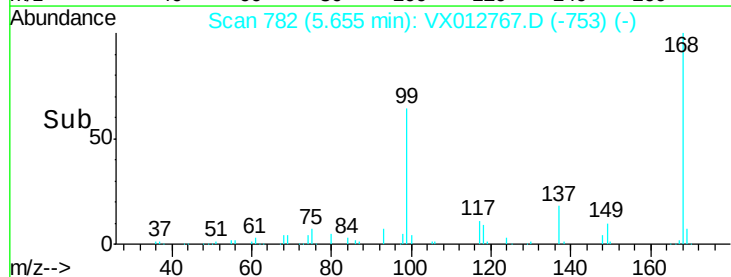
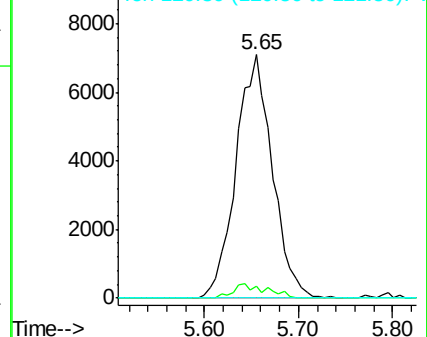
121 0.0 24.2 36.4#

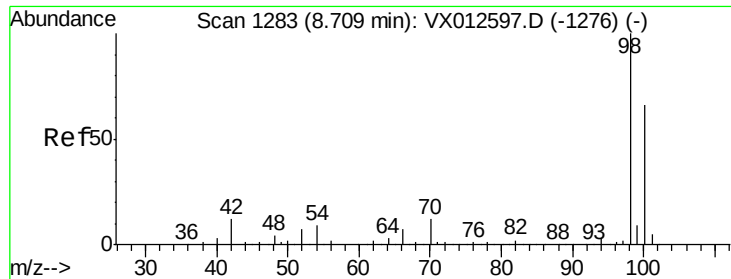


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

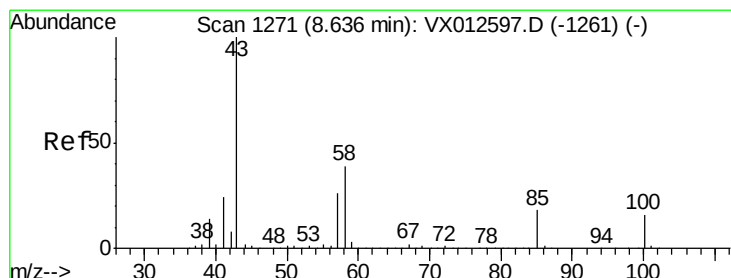
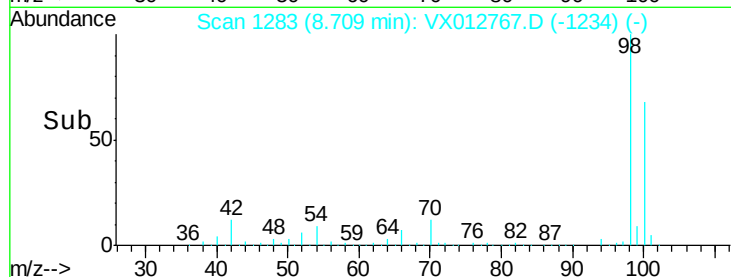
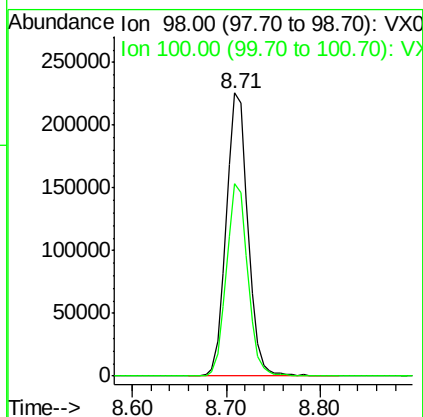
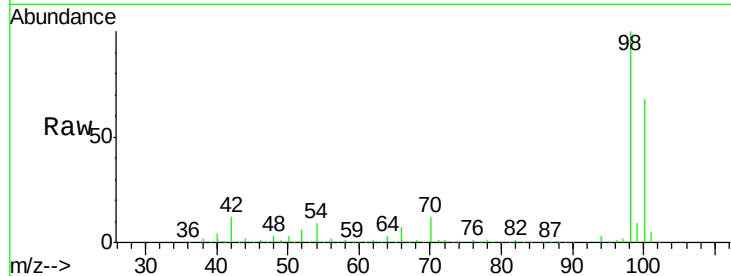




#50
Toluene-d8
Concen: 51.598 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012767.D
Acq: 02 Oct 2019 18:23

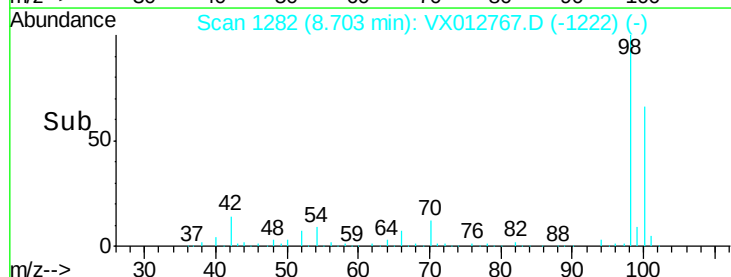
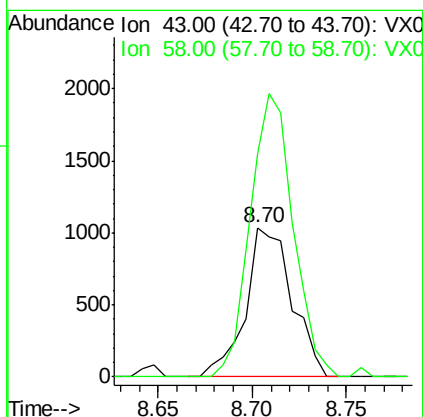
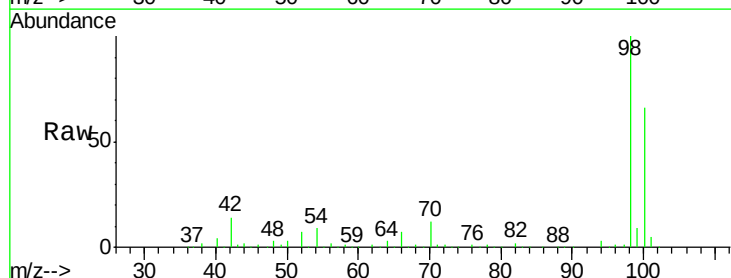
Instrument :
MSVOA_X
ClientSampled :
MW-106D

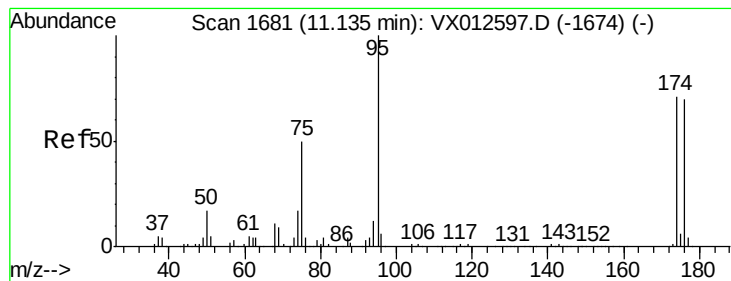
Tot Ion: 98 Resp: 361941
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.497 ug/l
RT: 8.70 min Scan# 1282
Delta R.T. 0.07 min
Lab File: VX012767.D
Acq: 02 Oct 2019 18:23

Tgt Ion: 43 Resp: 1767
Ion Ratio Lower Upper
43 100
58 175.7 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 43.594 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

MW-106D

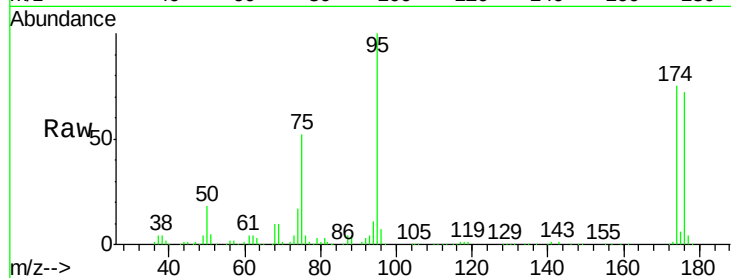
Tot Ion: 95 Resp: 120240

Ion Ratio Lower Upper

95 100

174 72.8 0.0 140.0

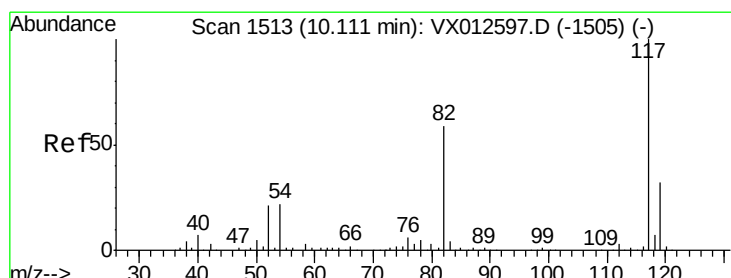
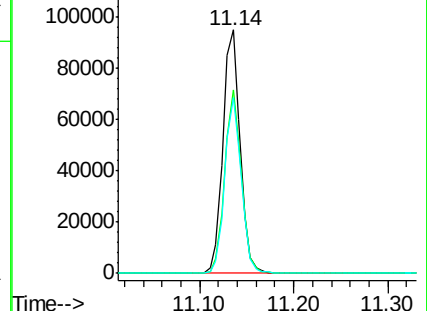
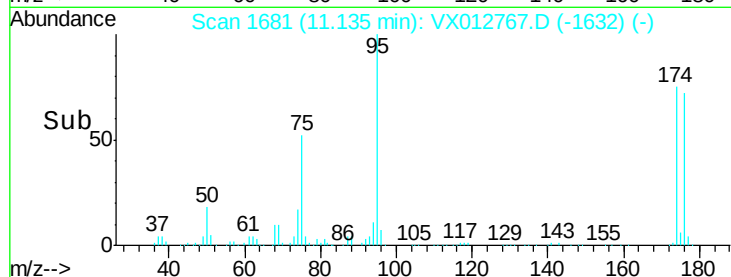
176 69.5 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012597.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012597.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012597.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

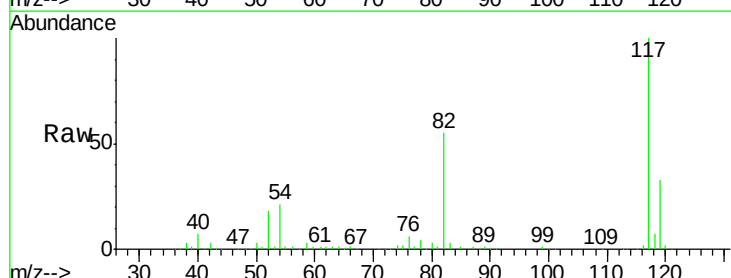
Tgt Ion: 117 Resp: 265209

Ion Ratio Lower Upper

117 100

82 55.5 45.9 68.9

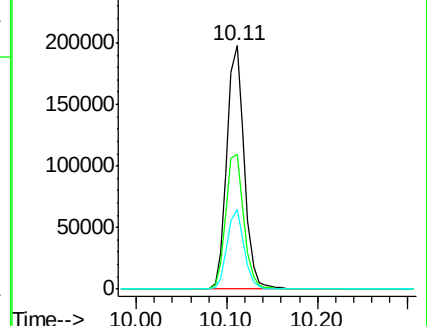
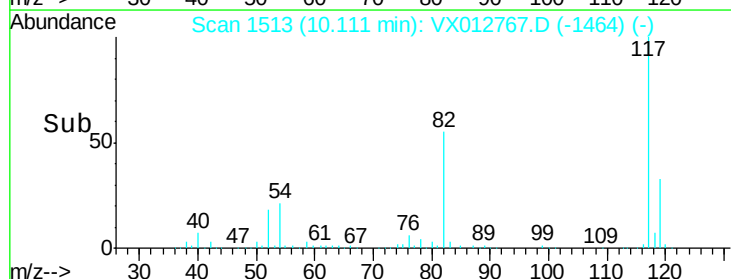
119 32.8 25.3 37.9

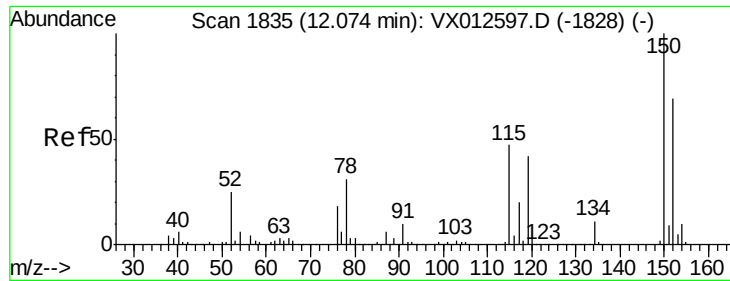


Abundance Ion 116.90 (116.60 to 117.60): VX012597.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012597.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012597.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

MW-106D

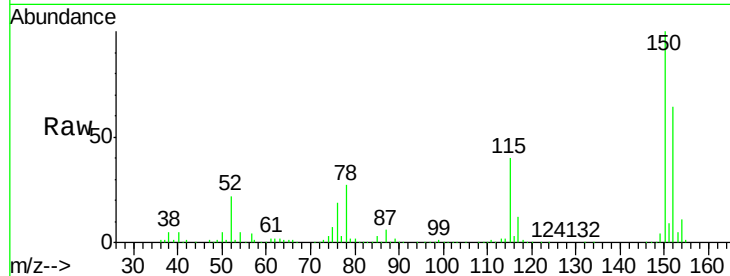
Tot Ion:152 Resp: 104358

Ion Ratio Lower Upper

152 100

115 64.6 44.1 132.3

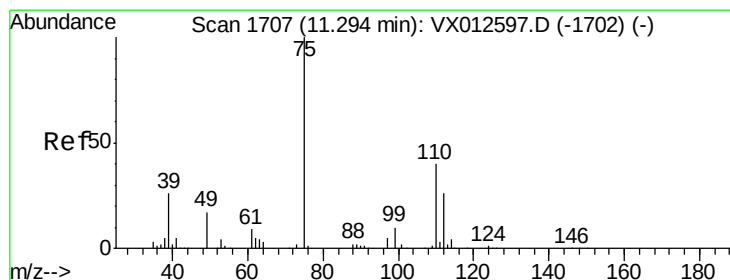
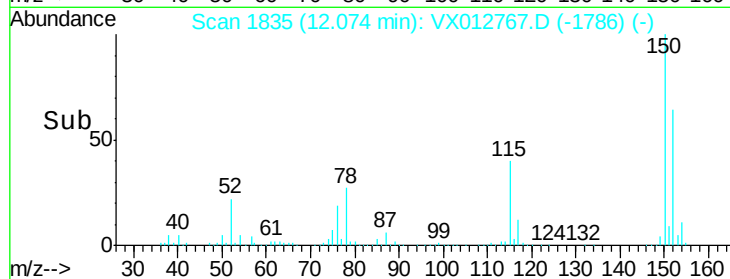
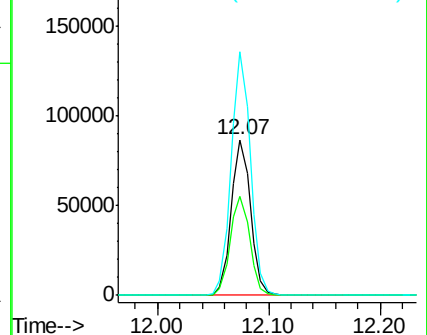
150 156.2 0.0 343.8



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: 22.403 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012767.D

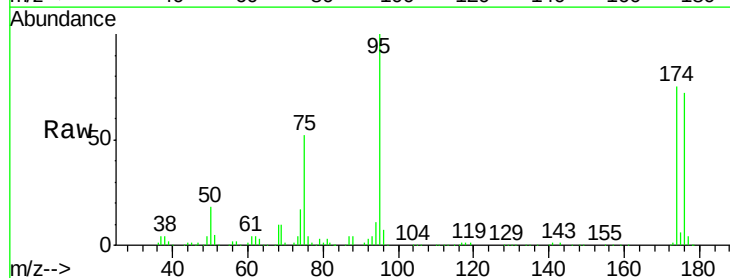
Acq: 02 Oct 2019 18:23

Tgt Ion: 75 Resp: 61844

Ion Ratio Lower Upper

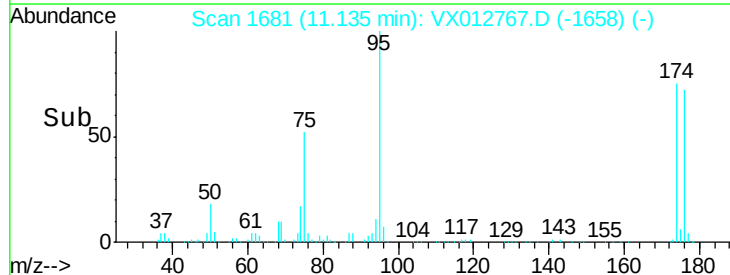
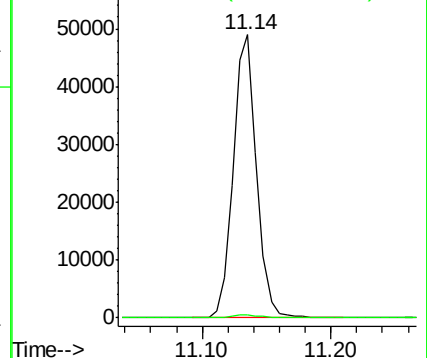
75 100

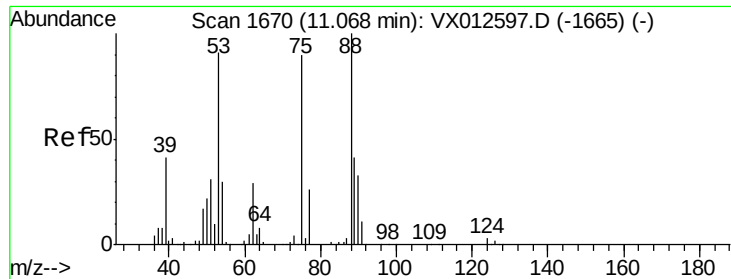
77 1.2 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.202 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012767.D

Acq: 02 Oct 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

MW-106D

Tot Ion: 75 Resp: 61844

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

