

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX012995.D
 Acq On : 10 Oct 2019 14:57
 Operator : JC/SP
 Sample : K5290-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0125R

Quant Time: Oct 11 04:37:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	177579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294053	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97953	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	114163	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
35) Dibromofluoromethane	5.49	113	89254	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
50) Toluene-d8	8.71	98	350327	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
62) 4-Bromofluorobenzene	11.14	95	115527	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	

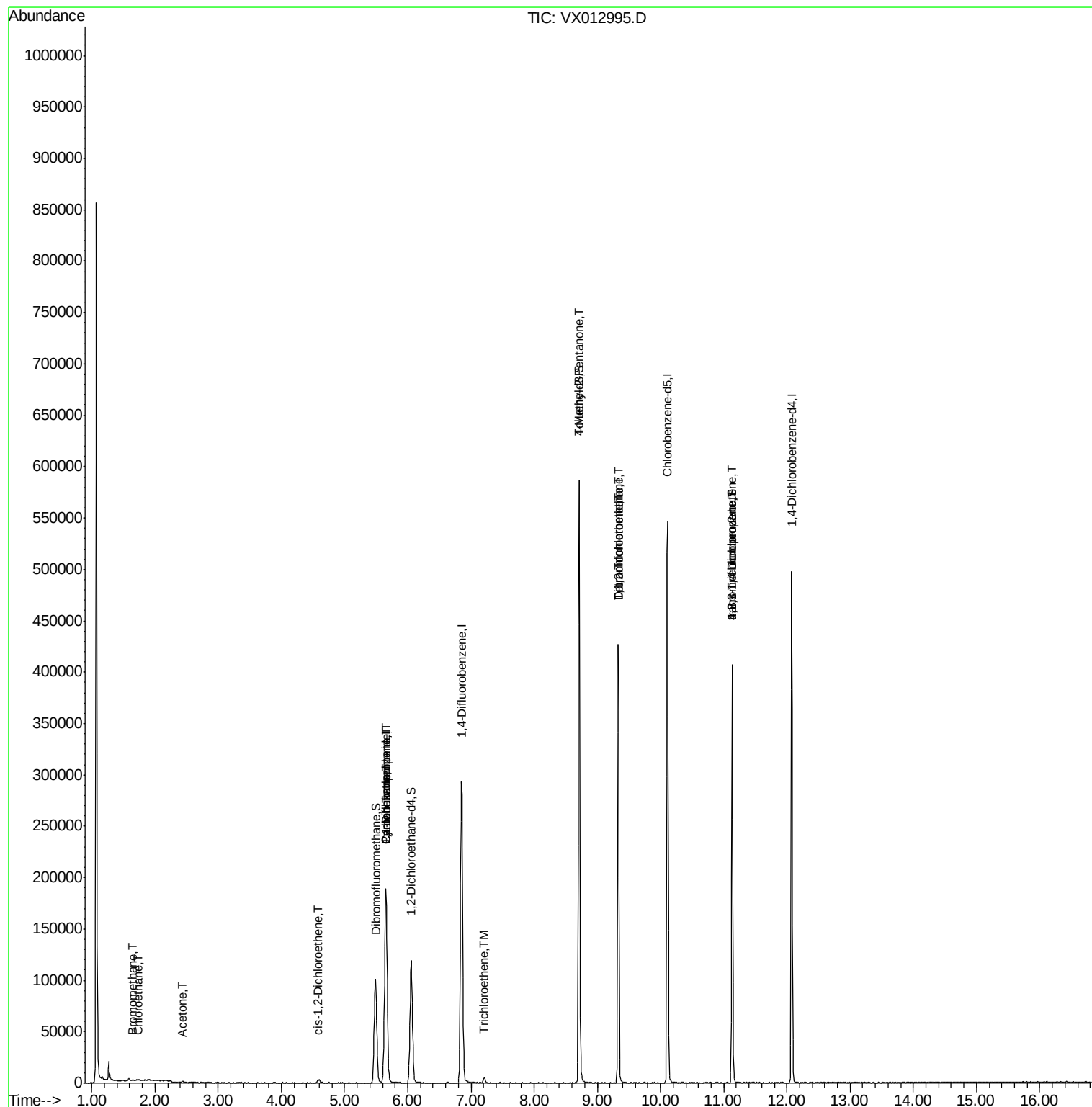
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	274	0.324	ug/l #	26
6) Chloroethane	1.73	64	910	1.095	ug/l #	43
16) Acetone	2.43	43	985	0.842	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	1957	0.883	ug/l	94
31) Cyclohexane	5.65	56	3766	1.169	ug/l #	15
36) 1,1-Dichloropropene	5.65	75	14087	5.449	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17842	7.090	ug/l #	19
44) Trichloroethene	7.20	130	2108	0.996	ug/l	77
51) 4-Methyl-2-Pentanone	8.70	43	1565	0.541	ug/l #	1
55) 1,1,2-Trichloroethane	9.33	97	782	0.405	ug/l #	17
60) Dibromochloromethane	9.33	129	78921	37.179	ug/l #	10
64) Tetrachloroethene	9.33	164	80144	45.670	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	57883	26.642	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	57883	66.998	ug/l #	10

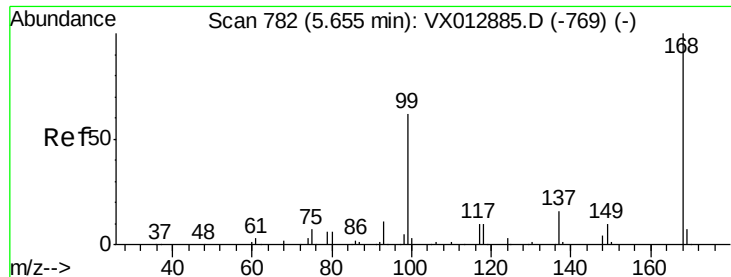
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012995.D

Acq: 10 Oct 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

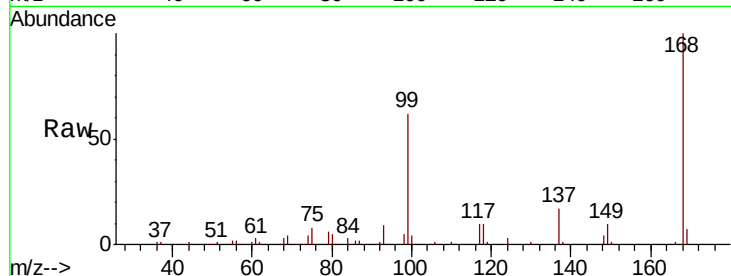
FA19-MMW0125R

Tot Ion:168 Resp: 177579

Ion Ratio Lower Upper

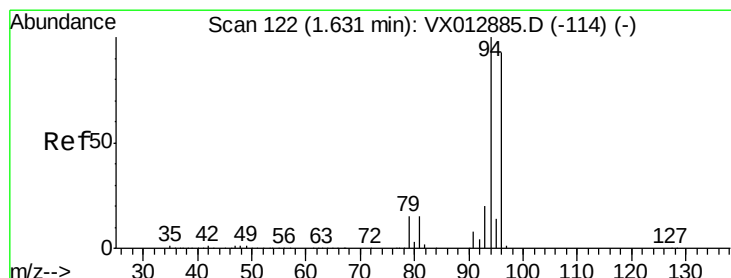
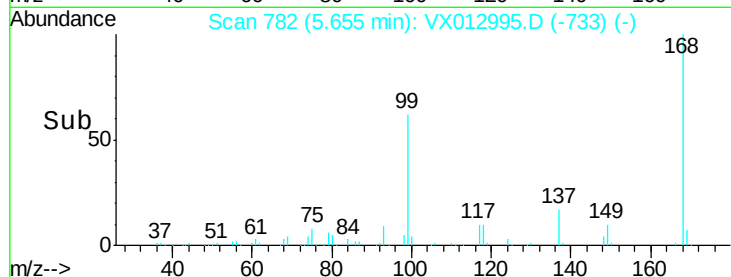
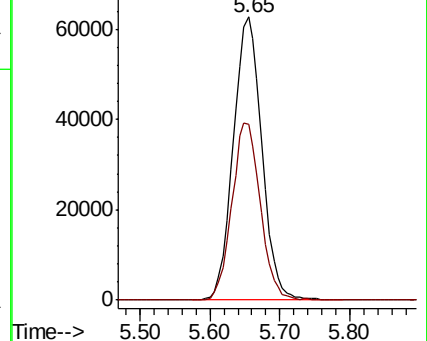
168 100

99 62.0 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.324 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012995.D

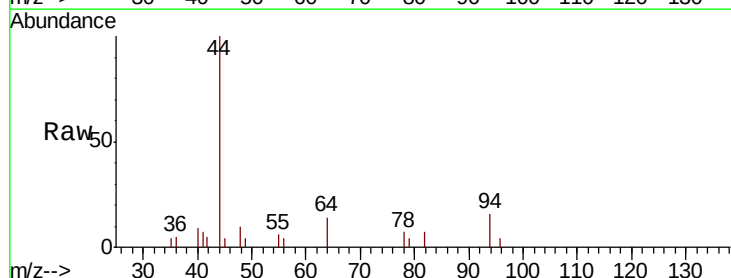
Acq: 10 Oct 2019 14:57

Tgt Ion: 94 Resp: 274

Ion Ratio Lower Upper

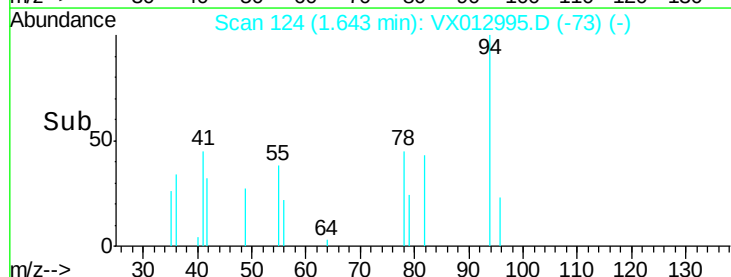
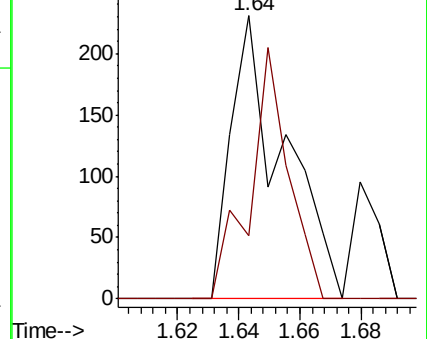
94 100

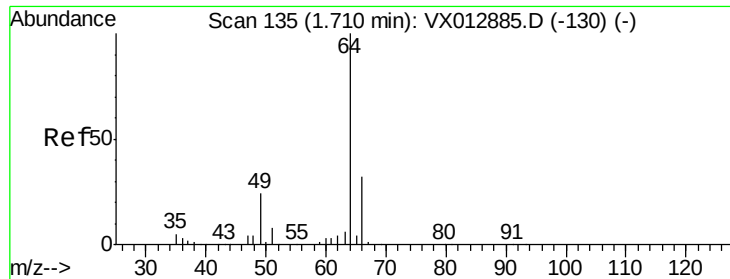
96 22.5 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.095 ug/l

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX012995.D

Acq: 10 Oct 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

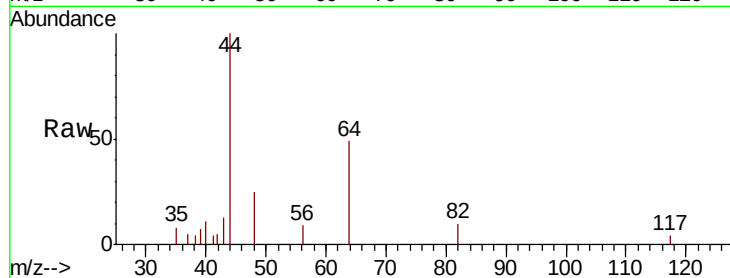
FA19-MMW0125R

Tot Ion: 64 Resp: 910

Ion Ratio Lower Upper

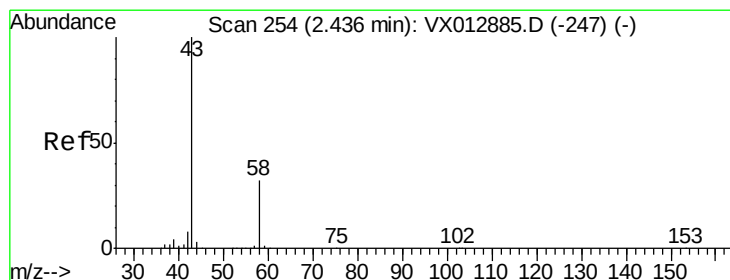
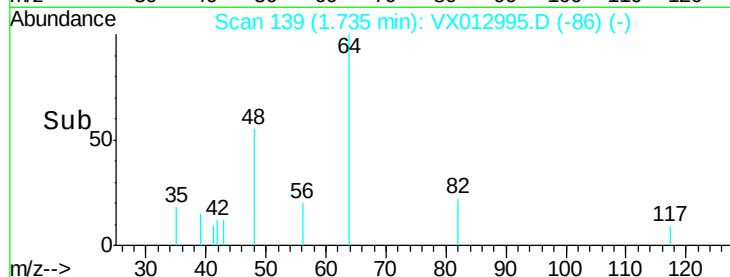
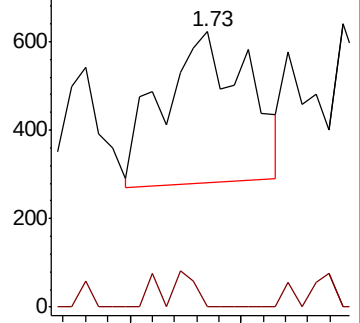
64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#16

Acetone

Concen: 0.842 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012995.D

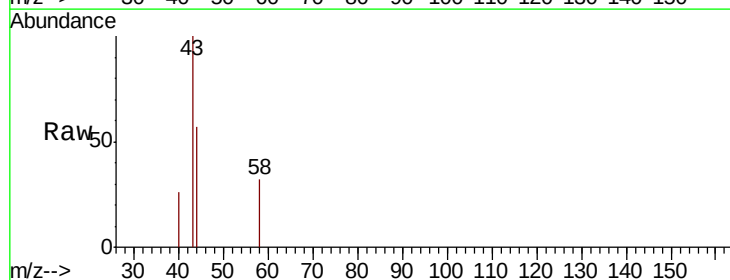
Acq: 10 Oct 2019 14:57

Tgt Ion: 43 Resp: 985

Ion Ratio Lower Upper

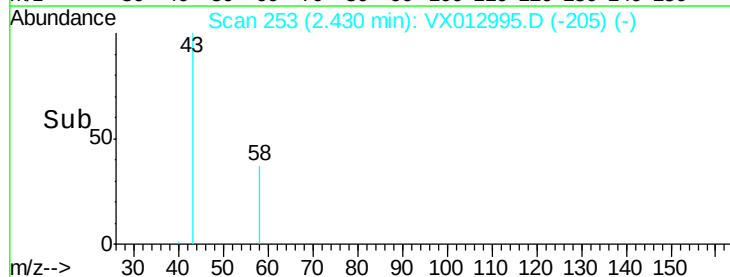
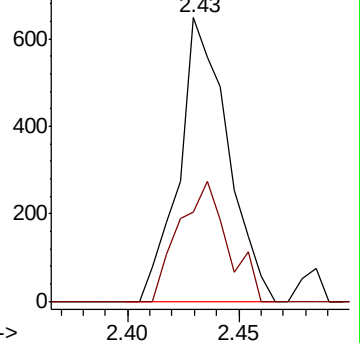
43 100

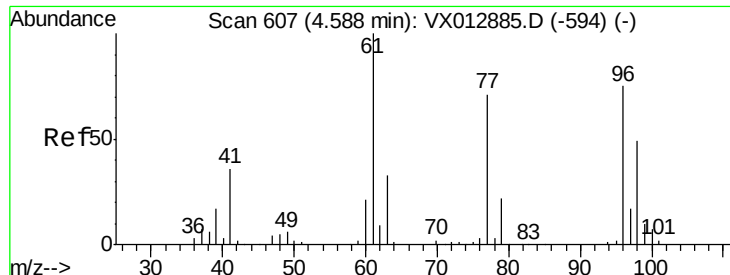
58 31.6 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



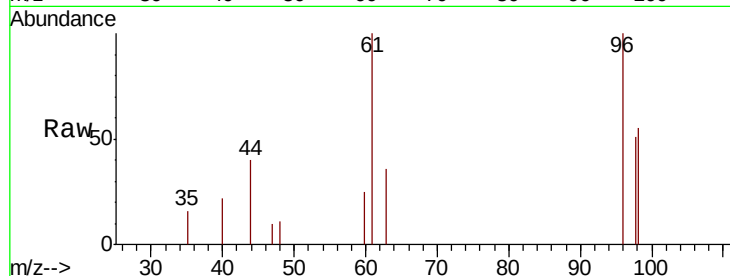


#27

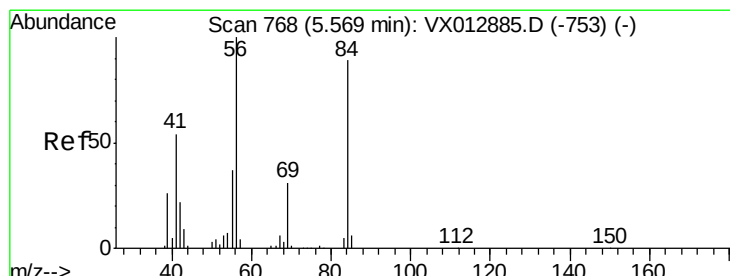
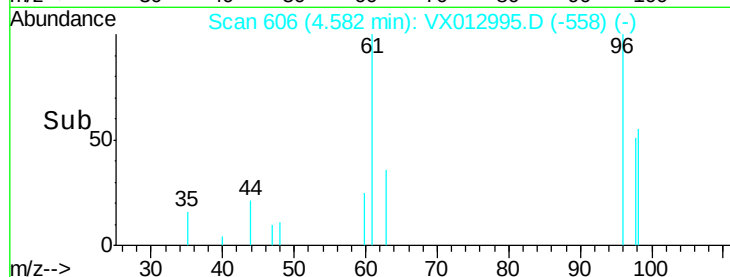
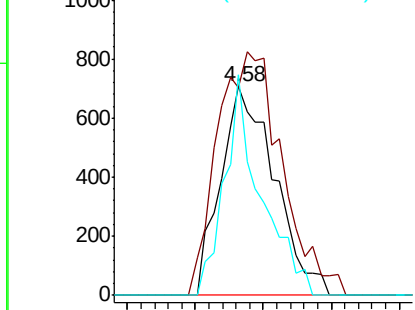
cis-1,2-Dichloroethene
Concen: 0.883 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012995.D
Acq: 10 Oct 2019 14:57

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0125R

Tot Ion: 96 Resp: 1957
Ion Ratio Lower Upper
96 100
61 139.3 0.0 290.6
98 70.6 0.0 128.8



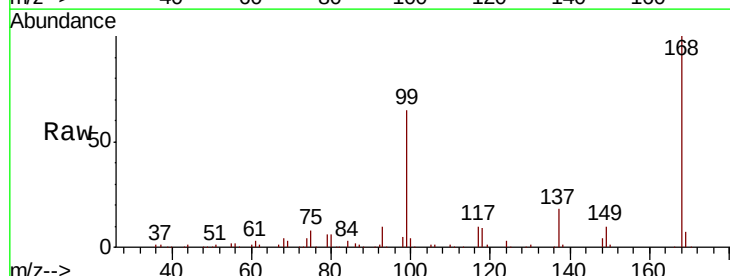
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



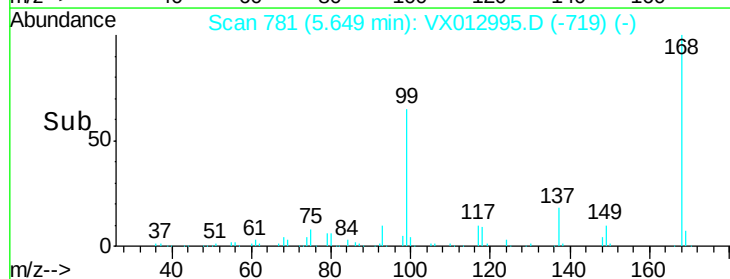
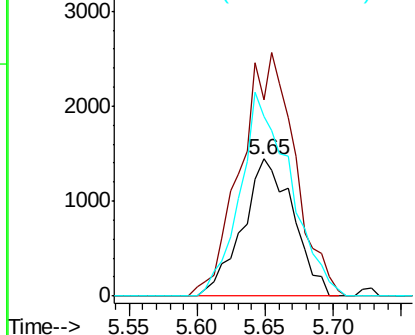
#31

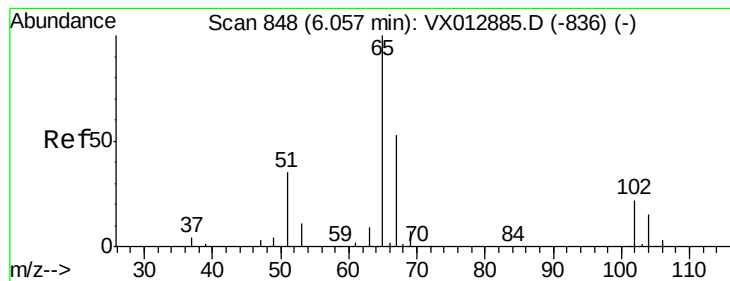
Cyclohexane
Concen: 1.169 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012995.D
Acq: 10 Oct 2019 14:57

Tgt Ion: 56 Resp: 3766
Ion Ratio Lower Upper
56 100
69 142.7 25.2 37.8#
84 130.7 71.3 106.9#



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: 51.436 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012995.D

Acq: 10 Oct 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

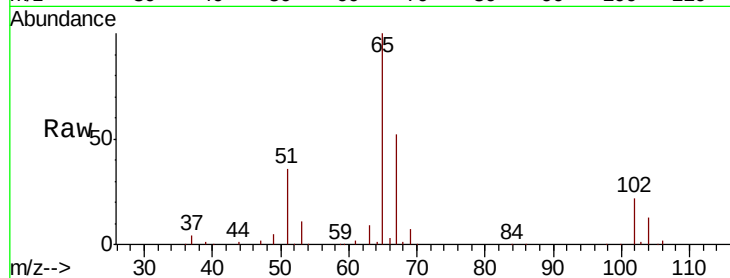
FA19-MMW0125R

Tot Ion: 65 Resp: 114163

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

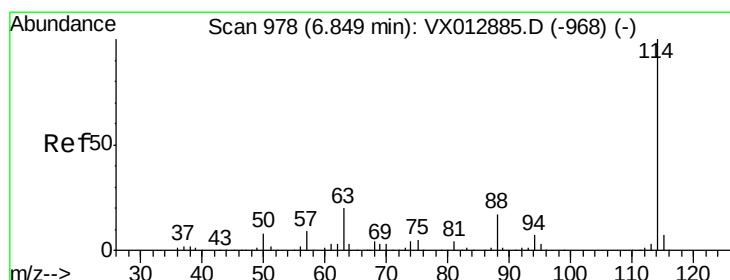
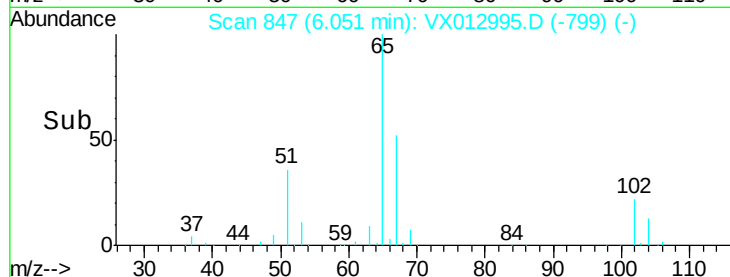
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012995.D

Acq: 10 Oct 2019 14:57

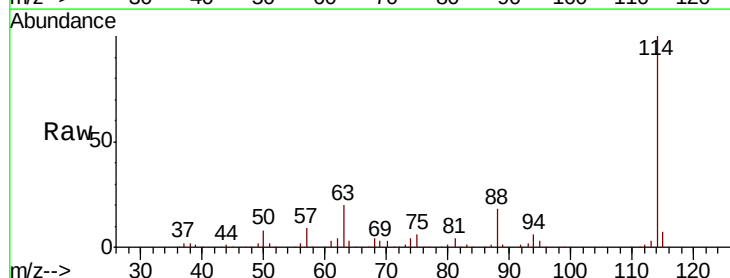
Tgt Ion: 114 Resp: 294053

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 17.6 0.0 33.8



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

6.85

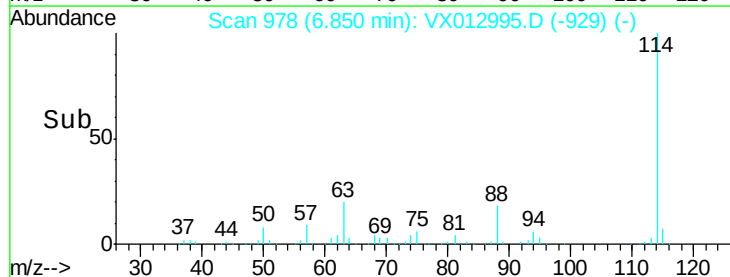
150000

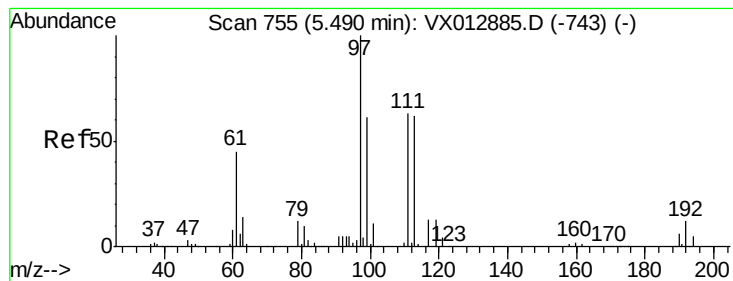
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 52.885 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012995.D

Acq: 10 Oct 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0125R

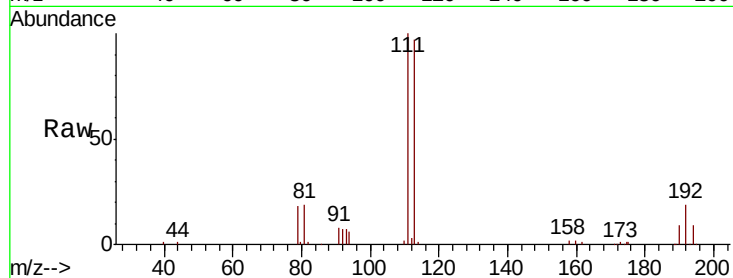
Tot Ion:113 Resp: 89254

Ion Ratio Lower Upper

113 100

111 101.0 83.2 124.8

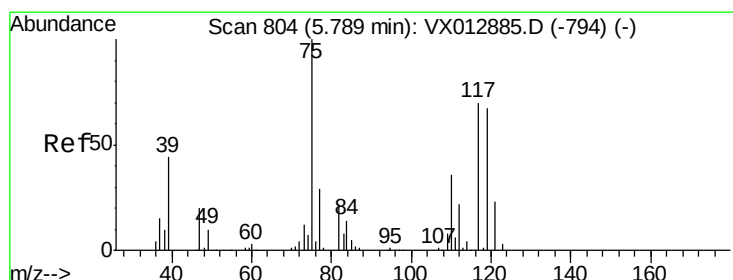
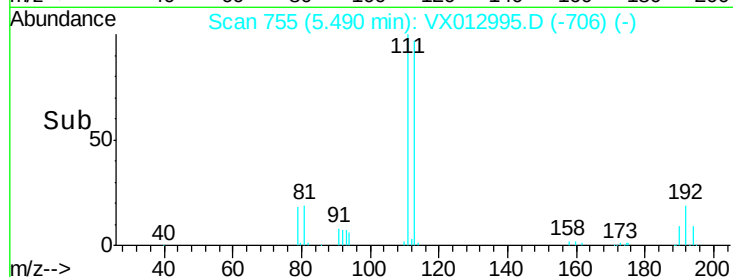
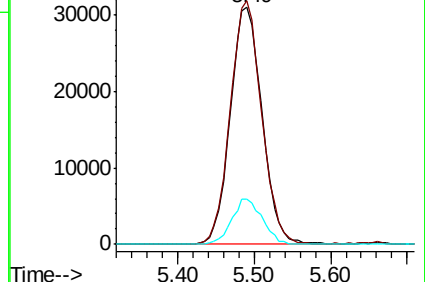
192 18.4 15.4 23.2



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: 5.449 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012995.D

Acq: 10 Oct 2019 14:57

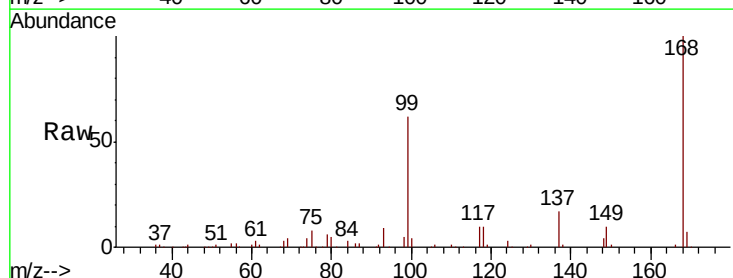
Tgt Ion: 75 Resp: 14087

Ion Ratio Lower Upper

75 100

110 8.7 17.6 52.9#

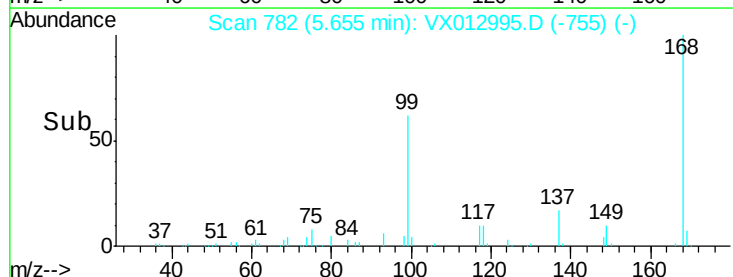
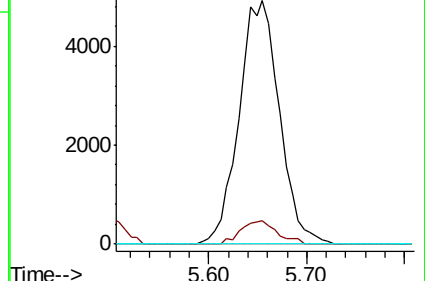
77 0.0 24.4 36.6#

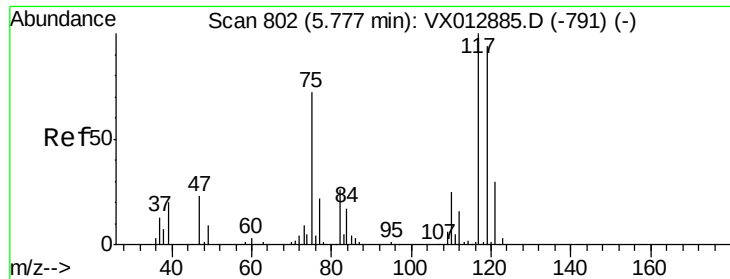


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

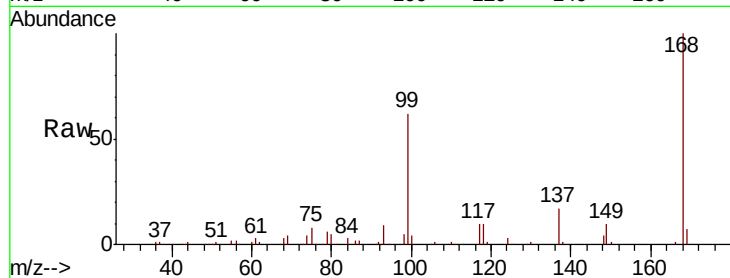




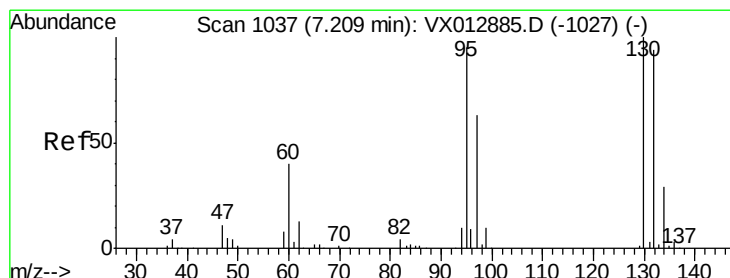
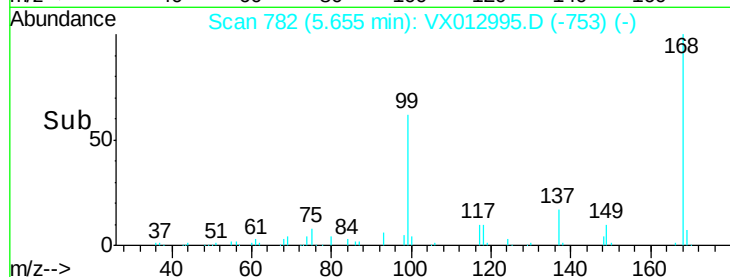
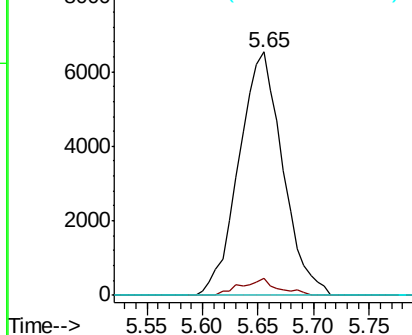
#38
Carbon Tetrachloride
Concen: 7.090 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012995.D
Acq: 10 Oct 2019 14:57

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0125R

Tot Ion:117 Resp: 17842
Ion Ratio Lower Upper
117 100
119 6.8 74.5 111.7#
121 0.0 24.2 36.4#

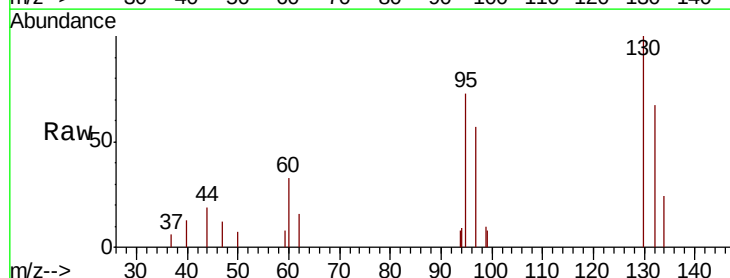


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

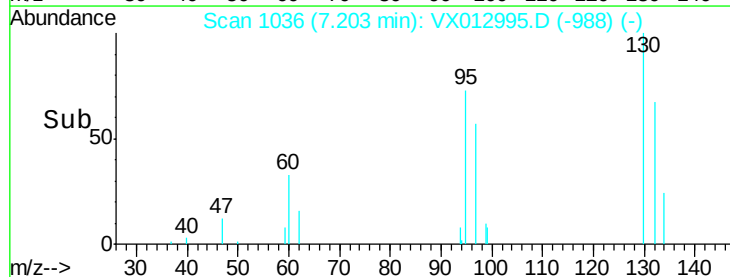
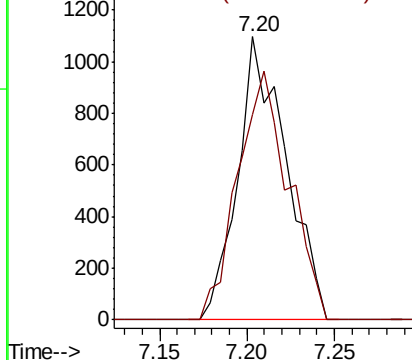


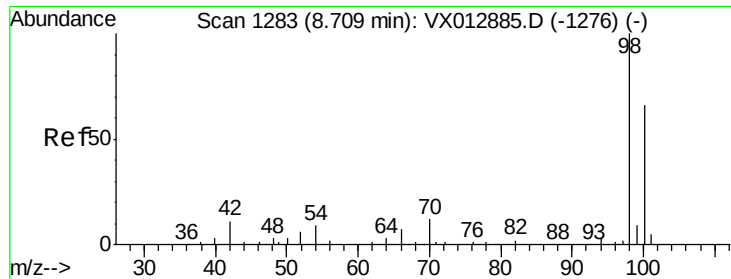
#44
Trichloroethene
Concen: 0.996 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX012995.D
Acq: 10 Oct 2019 14:57

Tgt Ion:130 Resp: 2108
Ion Ratio Lower Upper
130 100
95 72.7 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

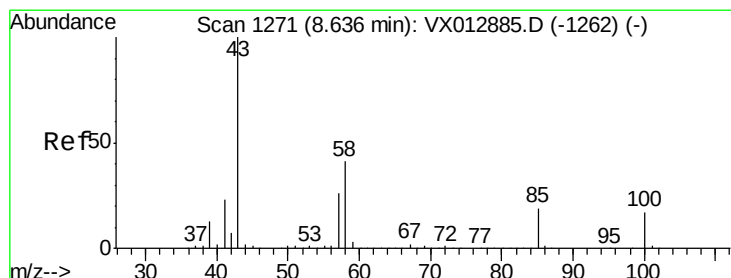
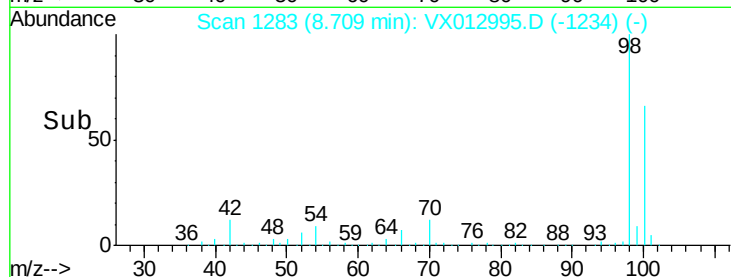
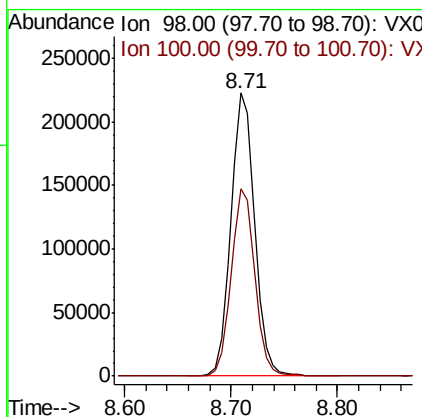
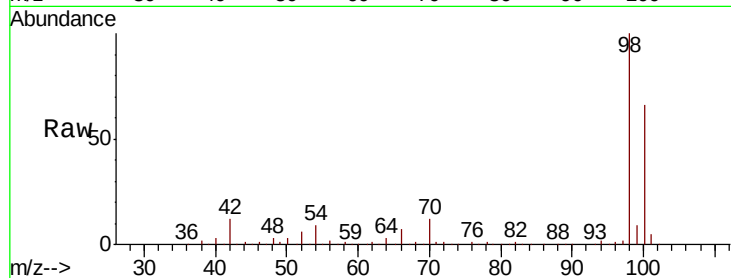




#50
Toluene-d8
Concen: 53.221 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012995.D
Acq: 10 Oct 2019 14:57

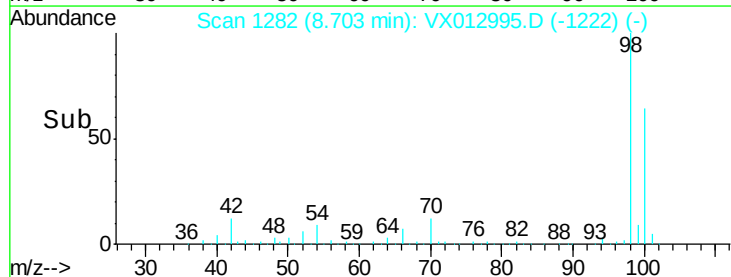
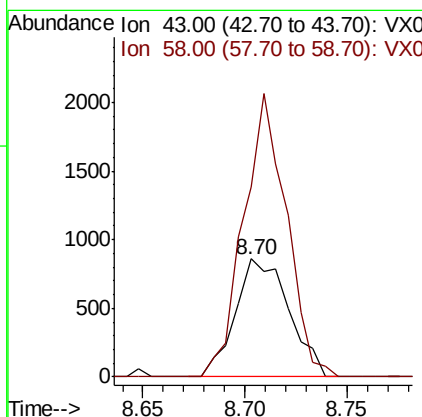
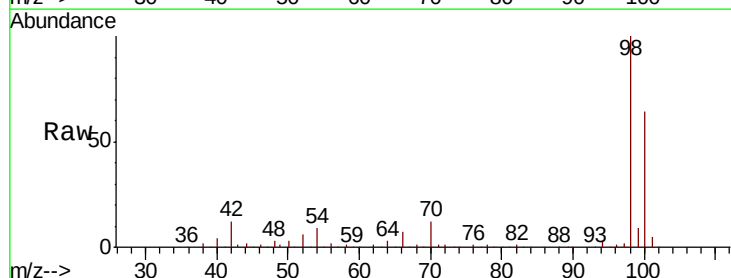
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0125R

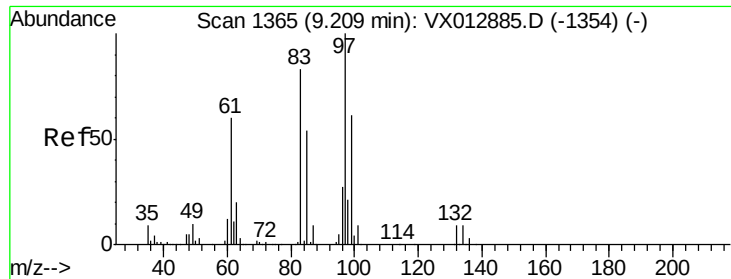
Tot Ion: 98 Resp: 350327
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.541 ug/l
RT: 8.70 min Scan# 1282
Delta R.T. 0.07 min
Lab File: VX012995.D
Acq: 10 Oct 2019 14:57

Tgt Ion: 43 Resp: 1565
Ion Ratio Lower Upper
43 100
58 193.0 32.4 48.6#

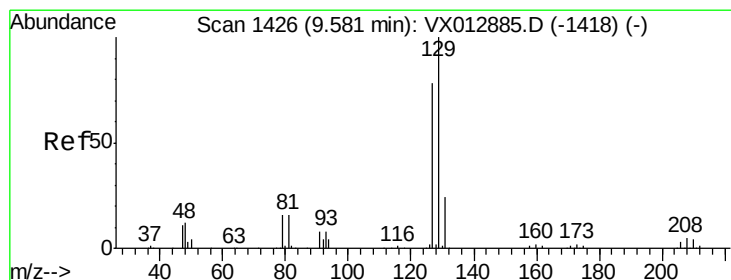
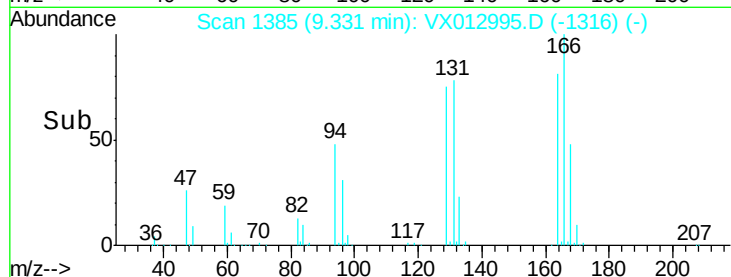
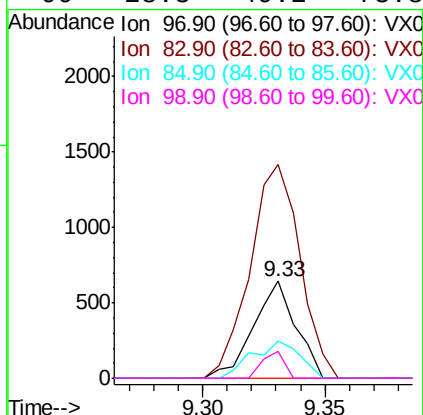
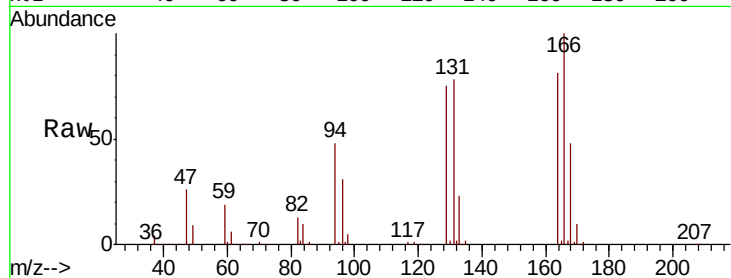




#55
 1,1,2-Trichloroethane
 Concen: 0.405 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.12 min
 Lab File: VX012995.D
 Acq: 10 Oct 2019 14:57

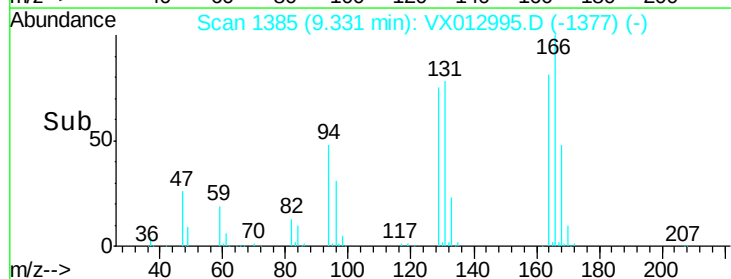
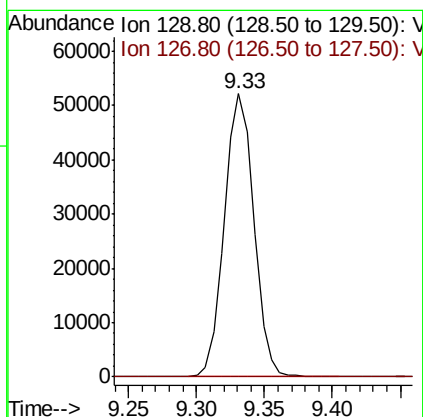
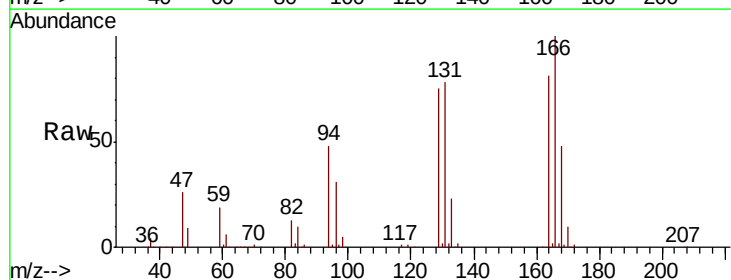
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0125R

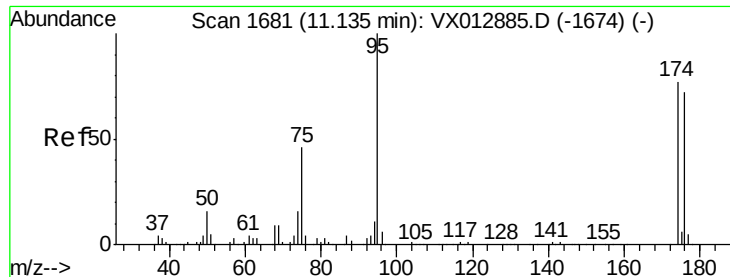
Tot Ion: 97 Resp: 782
 Ion Ratio Lower Upper
 97 100
 83 220.2 66.5 99.7#
 85 38.6 43.1 64.7#
 99 28.3 49.2 73.8#



#60
 Dibromochloromethane
 Concen: 37.179 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.25 min
 Lab File: VX012995.D
 Acq: 10 Oct 2019 14:57

Tgt Ion: 129 Resp: 78921
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 45.169 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012995.D

Acq: 10 Oct 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0125R

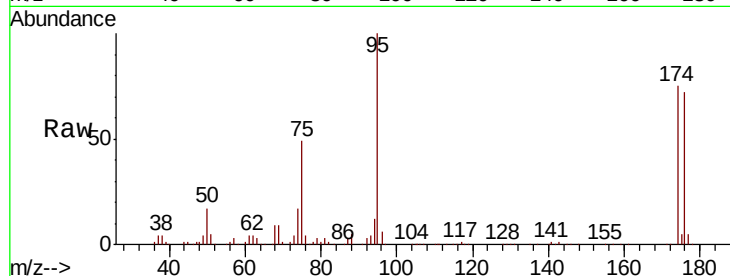
Tot Ion: 95 Resp: 115527

Ion Ratio Lower Upper

95 100

174 71.3 0.0 143.4

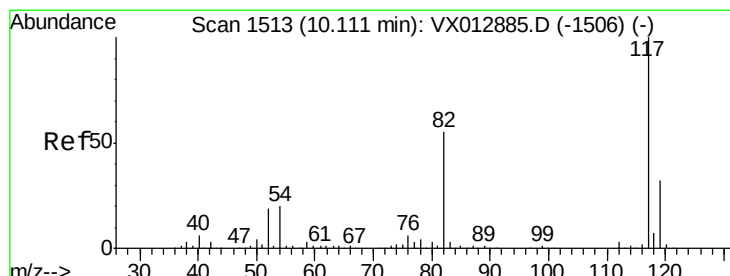
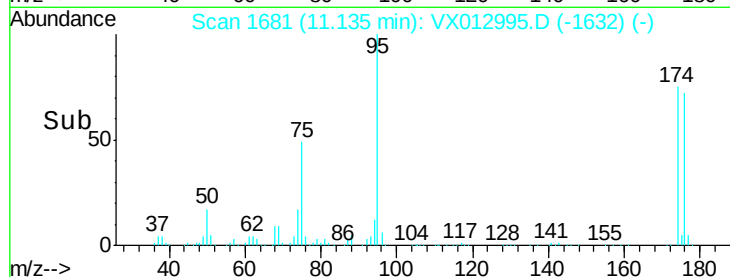
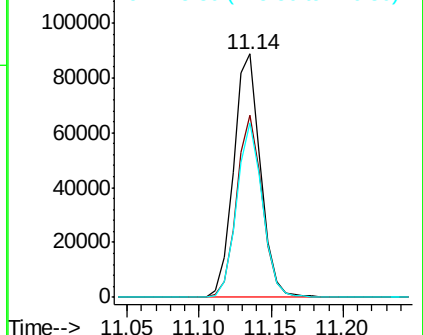
176 68.9 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012995.D

Acq: 10 Oct 2019 14:57

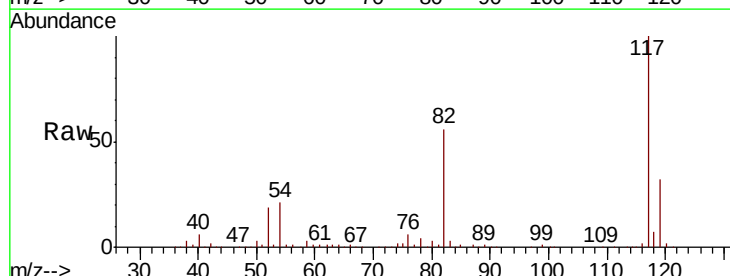
Tgt Ion: 117 Resp: 253007

Ion Ratio Lower Upper

117 100

82 56.2 44.1 66.1

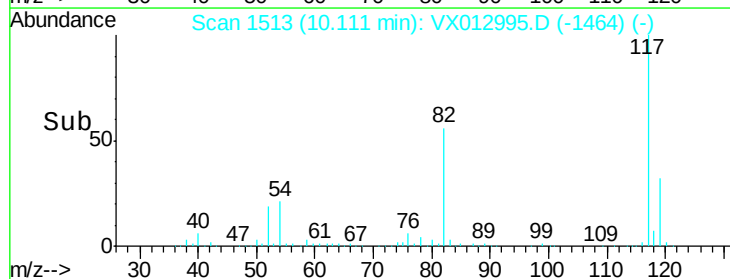
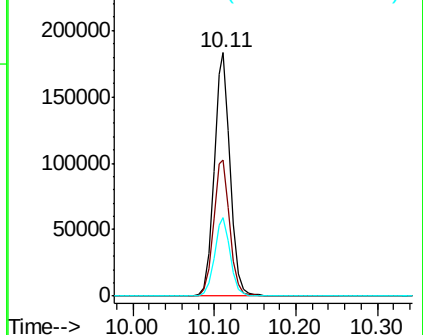
119 32.4 25.8 38.8

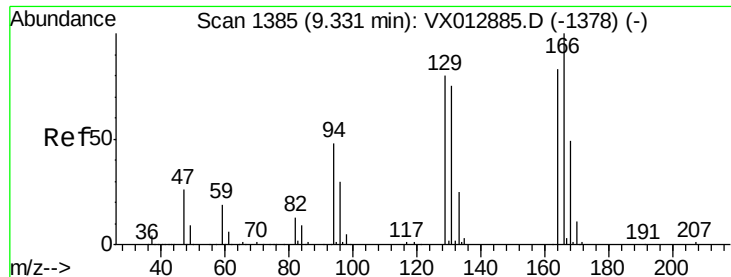


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

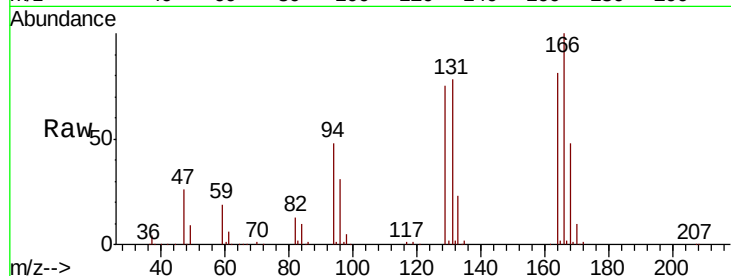




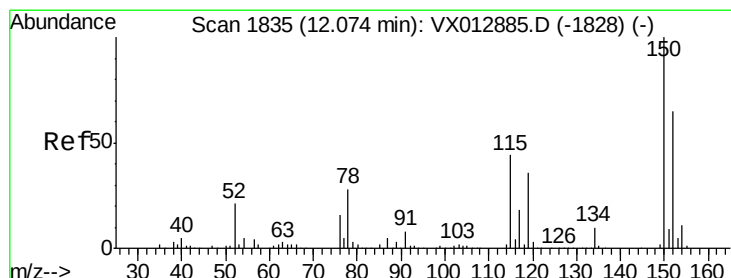
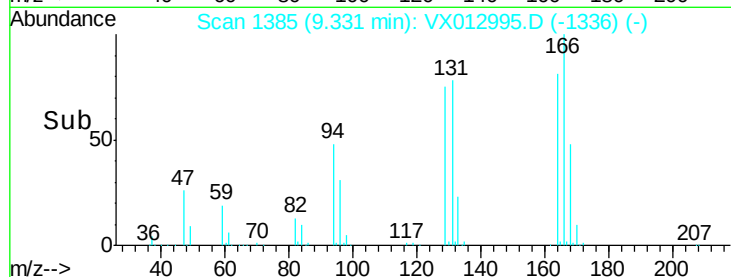
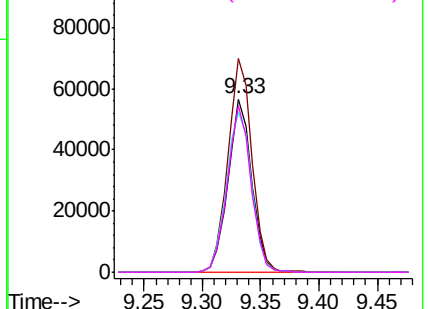
#64
Tetrachloroethene
Concen: 45.670 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012995.D
Acq: 10 Oct 2019 14:57

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0125R

Tot Ion:164 Resp: 80144
Ion Ratio Lower Upper
164 100
166 123.3 96.9 145.3
129 92.2 77.9 116.9
131 95.8 72.7 109.1

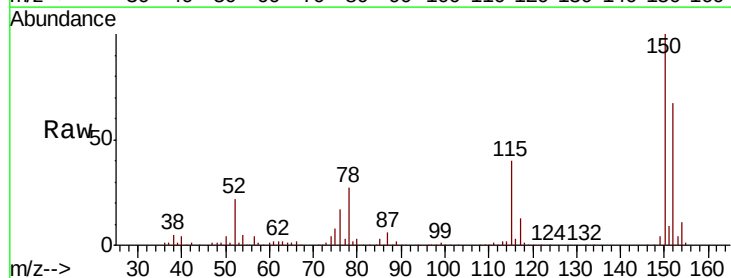


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

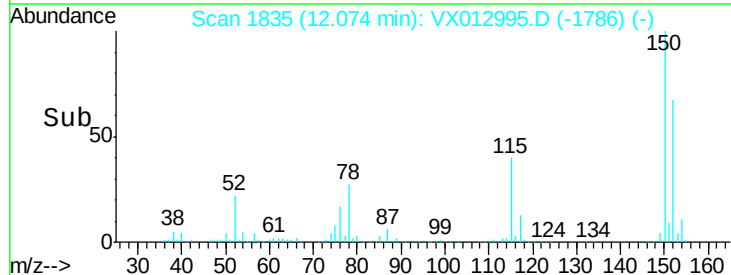
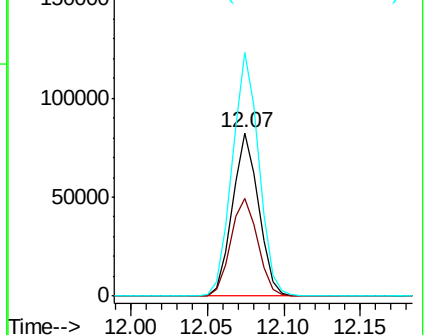


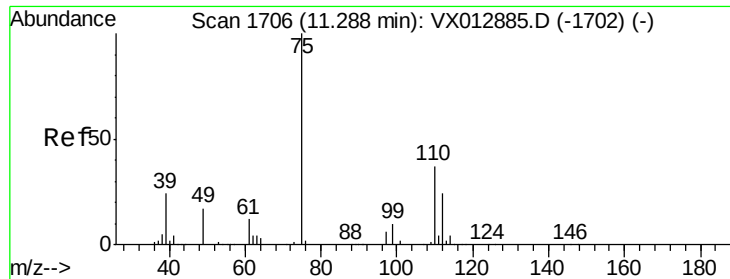
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012995.D
Acq: 10 Oct 2019 14:57

Tgt Ion:152 Resp: 97953
Ion Ratio Lower Upper
152 100
115 61.8 44.5 133.5
150 151.3 0.0 353.4



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: 26.642 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012995.D

Acq: 10 Oct 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

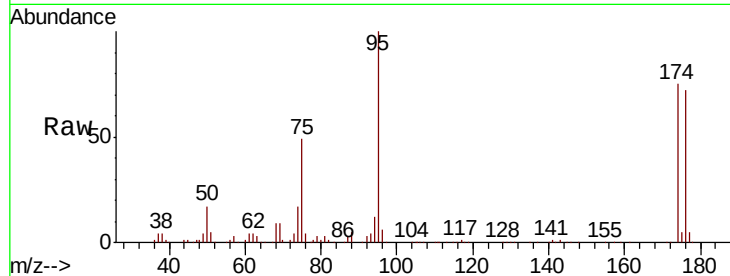
FA19-MMW0125R

Tot Ion: 75 Resp: 57883

Ion Ratio Lower Upper

75 100

77 1.2 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

50000

40000

30000

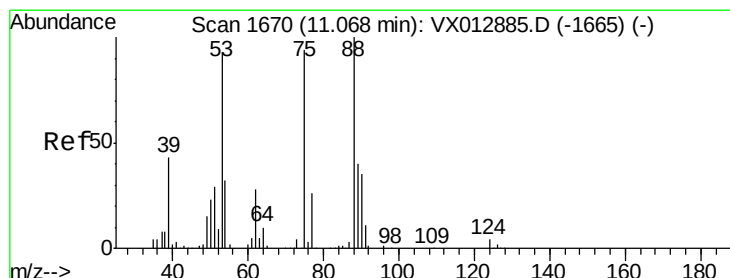
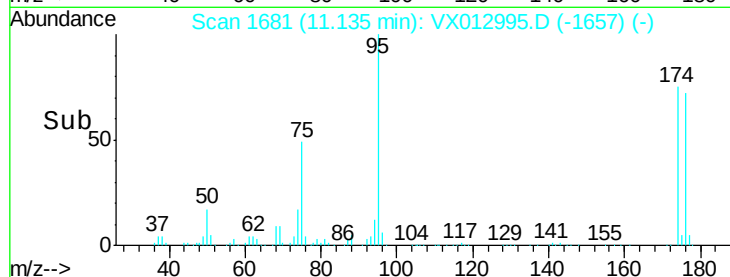
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 66.998 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012995.D

Acq: 10 Oct 2019 14:57

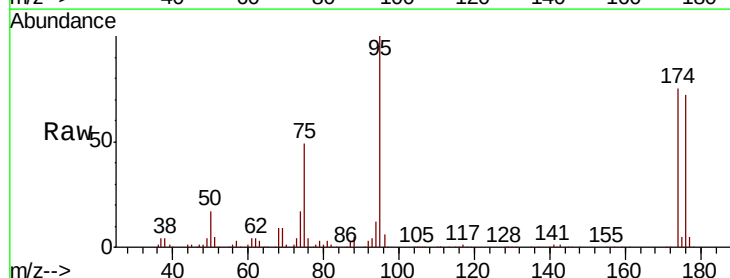
Tgt Ion: 75 Resp: 57883

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.14

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

