

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX012994.D
 Acq On : 10 Oct 2019 14:33
 Operator : JC/SP
 Sample : K5290-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7213B

Quant Time: Oct 11 04:36:51 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	175312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294142	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	92108	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	113168	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
35) Dibromofluoromethane	5.49	113	86191	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	8.71	98	346132	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	11.14	95	111814	43.70	ug/l	0.00
Spiked Amount			Recovery	=	87.40%	

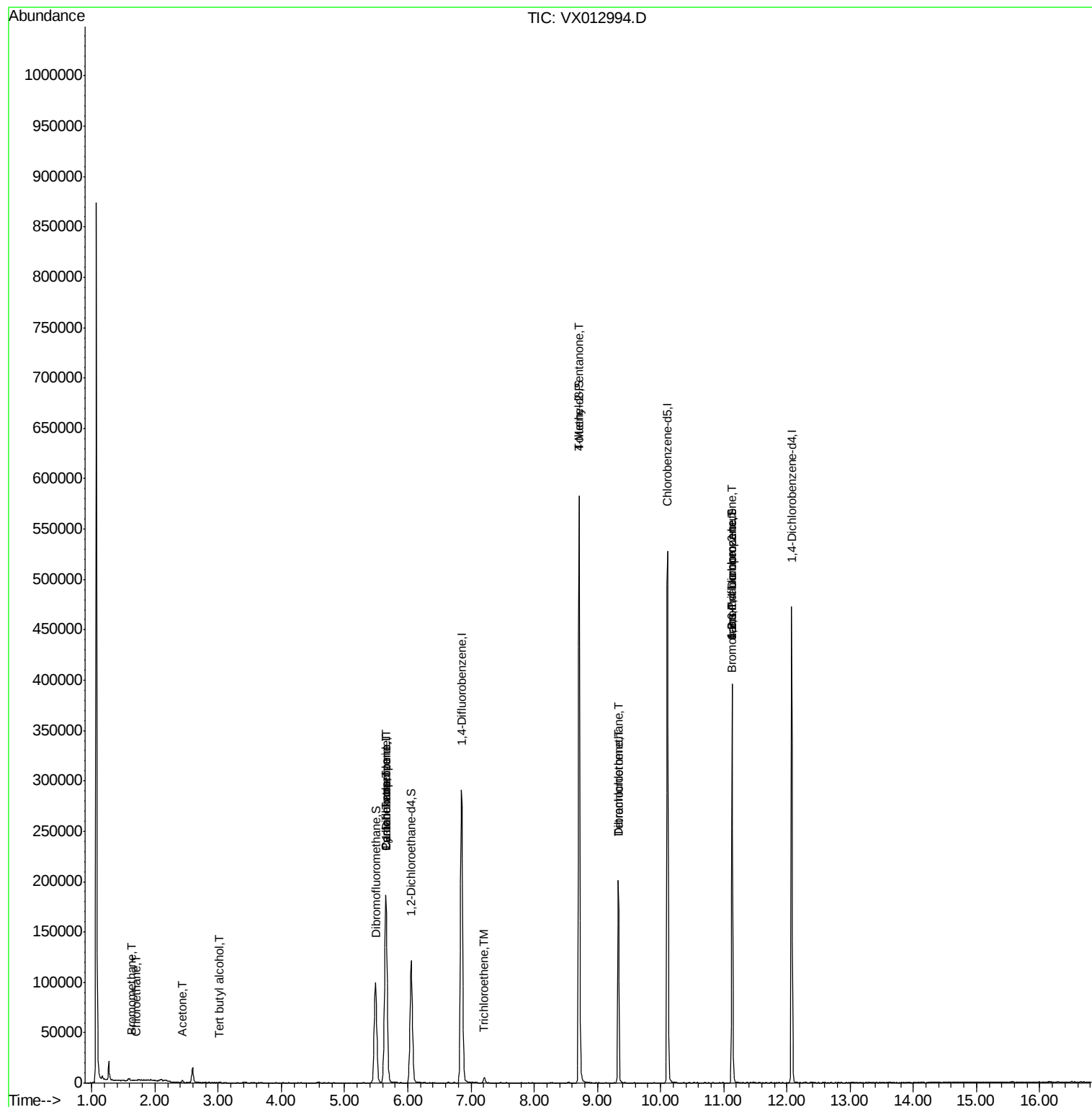
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	244	0.292	ug/l	90
6) Chloroethane	1.71	64	176	0.510	ug/l #	65
11) Tert butyl alcohol	3.02	59	494	0.850	ug/l #	72
16) Acetone	2.43	43	2371	2.053	ug/l	98
31) Cyclohexane	5.65	56	3961	1.245	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14113	5.457	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18139	7.206	ug/l #	18
44) Trichloroethene	7.21	130	2119	1.000	ug/l	88
51) 4-Methyl-2-Pentanone	8.70	43	1403	0.485	ug/l #	1
60) Dibromochloromethane	9.33	129	37767	18.755	ug/l #	10
64) Tetrachloroethene	9.33	164	38436	22.561	ug/l	98
71) Bromoform	11.12	173	168	3.242	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	56231	27.524	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	56231	69.081	ug/l #	10

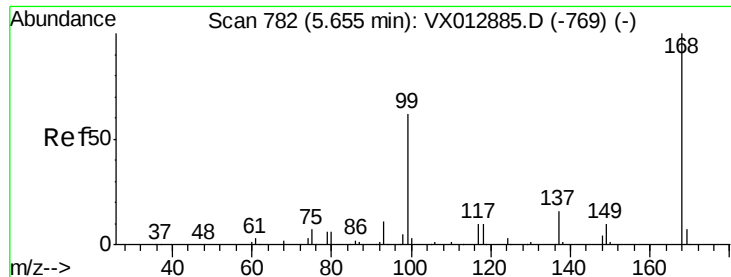
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101019\
Data File : VX012994.D
Acq On : 10 Oct 2019 14:33
Operator : JC/SP
Sample : K5290-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7213B

Quant Time: Oct 11 04:36:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
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: VX012994.D

Acq: 10 Oct 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

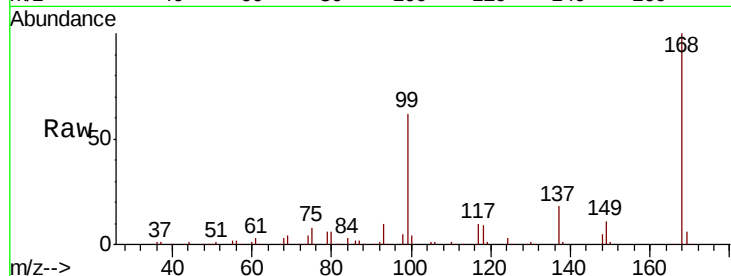
FA19-JBW7213B

Tot Ion:168 Resp: 175312

Ion Ratio Lower Upper

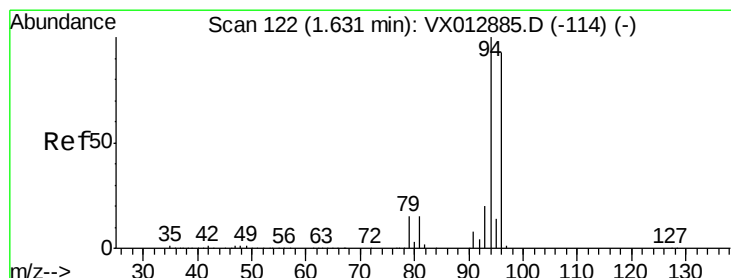
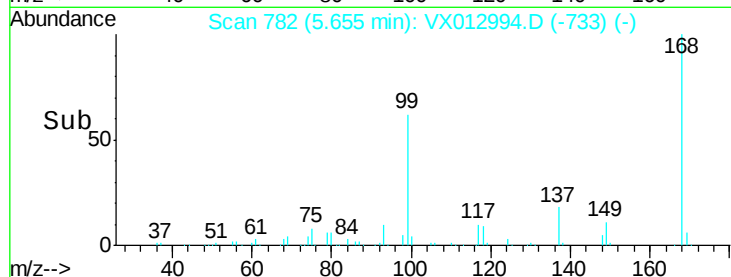
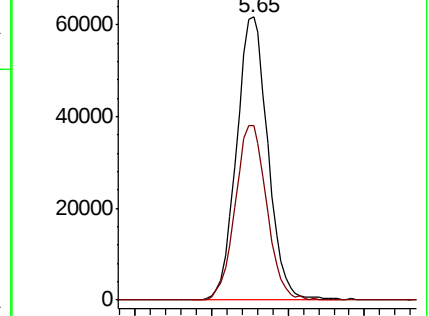
168 100

99 61.8 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: 0.292 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012994.D

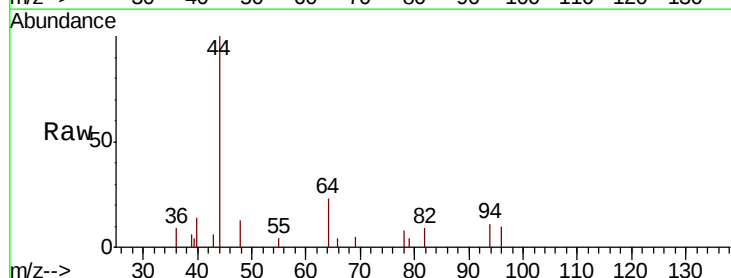
Acq: 10 Oct 2019 14:33

Tgt Ion: 94 Resp: 244

Ion Ratio Lower Upper

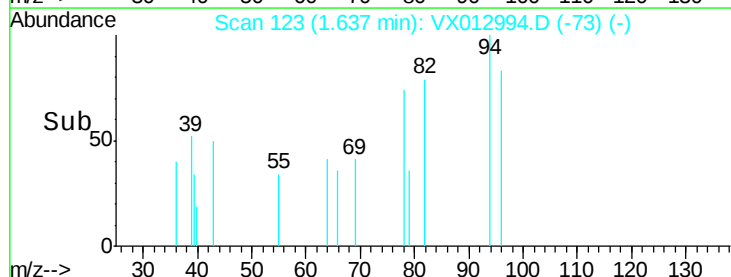
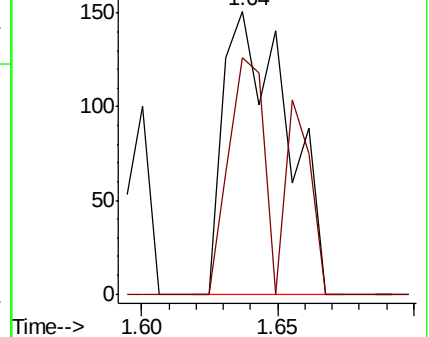
94 100

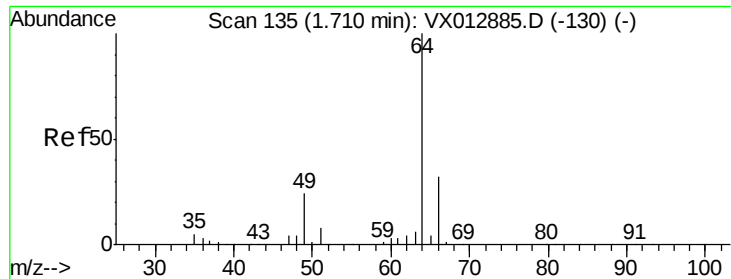
96 83.4 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.510 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012994.D

Acq: 10 Oct 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

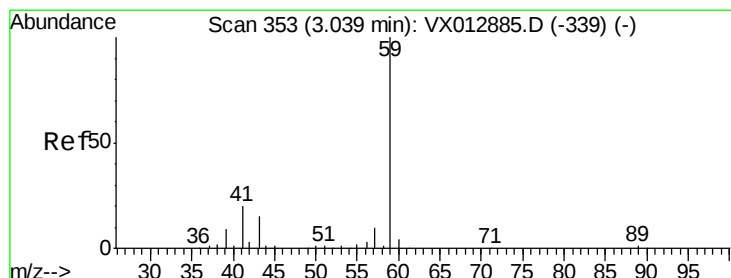
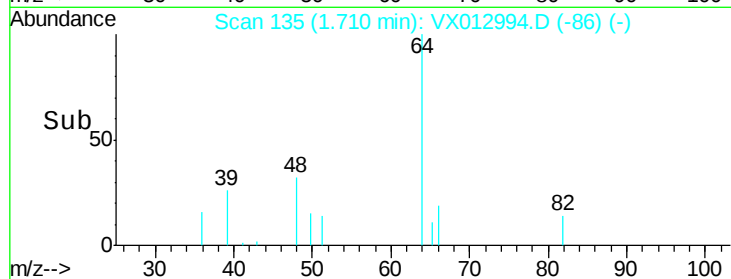
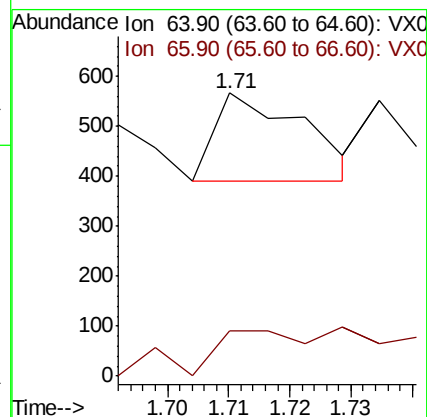
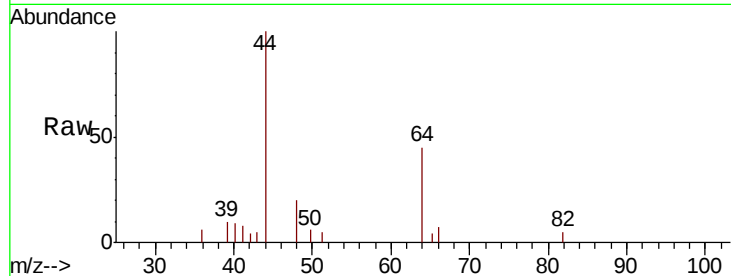
FA19-JBW7213B

Tot Ion: 64 Resp: 176

Ion Ratio Lower Upper

64 100

66 51.7 25.6 38.4#



#11

Tert butyl alcohol

Concen: 0.850 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX012994.D

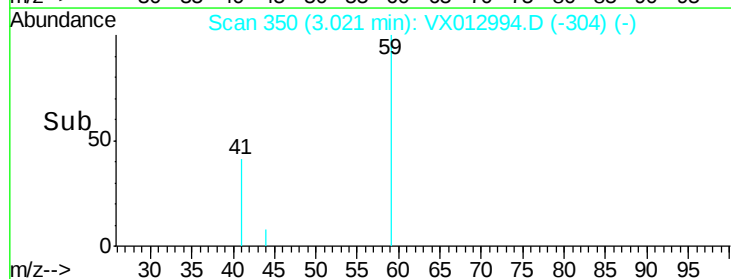
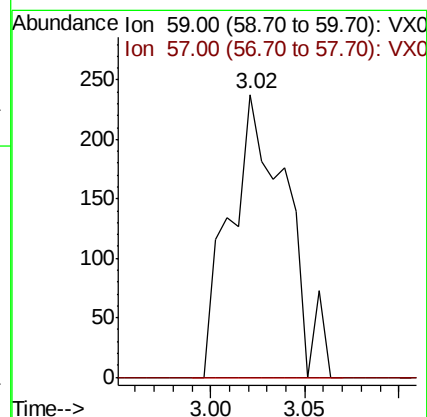
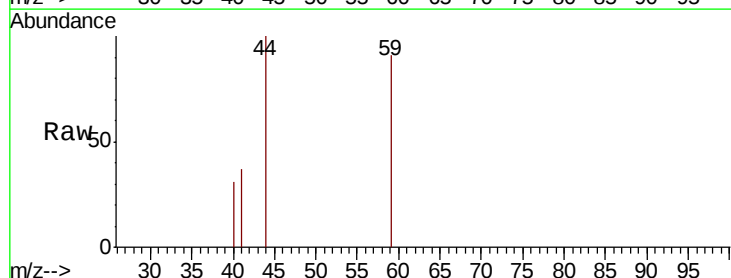
Acq: 10 Oct 2019 14:33

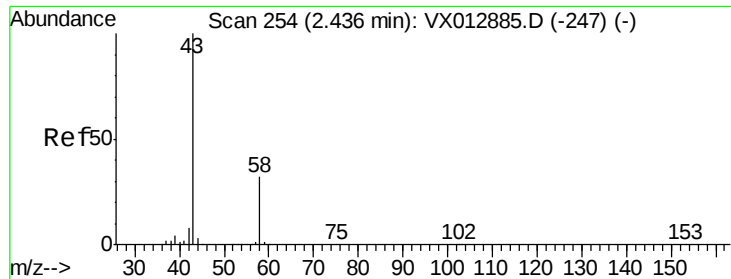
Tgt Ion: 59 Resp: 494

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: 2.053 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012994.D

Acq: 10 Oct 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

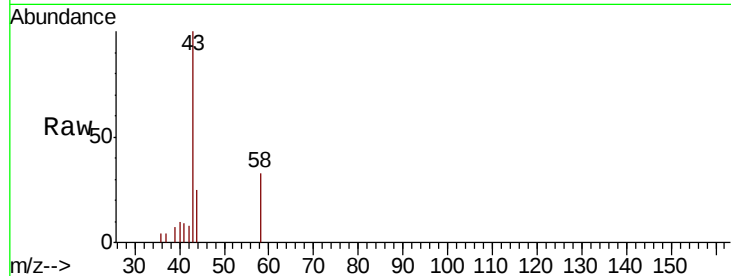
FA19-JBW7213B

Tot Ion: 43 Resp: 2371

Ion Ratio Lower Upper

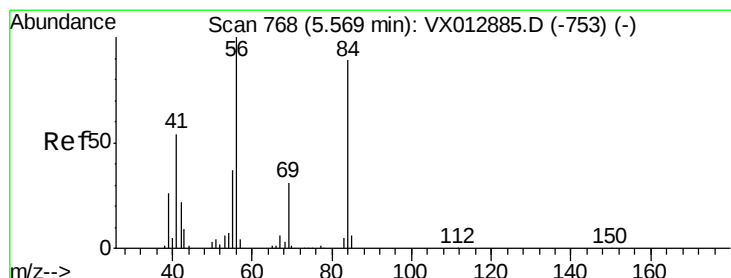
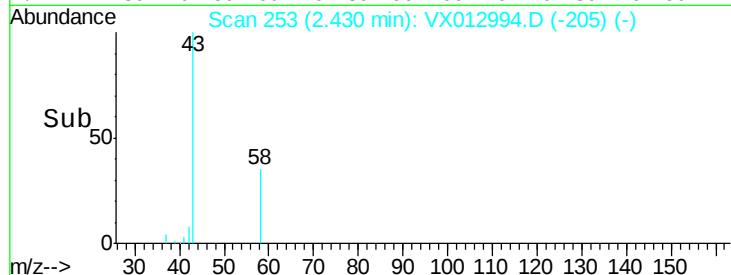
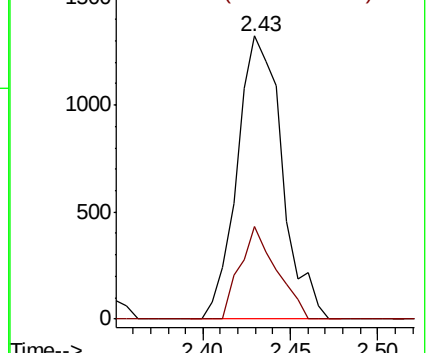
43 100

58 32.9 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012994.D

Acq: 10 Oct 2019 14:33

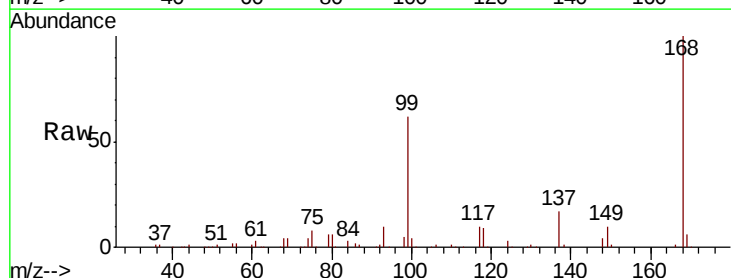
Tgt Ion: 56 Resp: 3961

Ion Ratio Lower Upper

56 100

69 186.4 25.2 37.8#

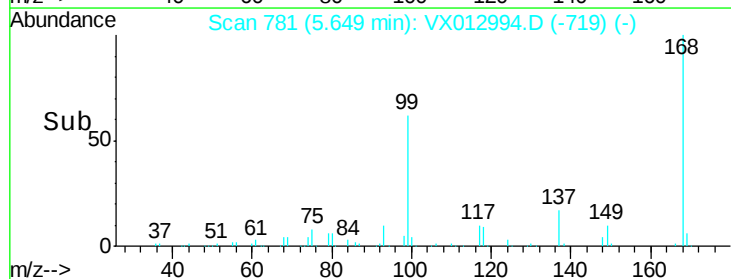
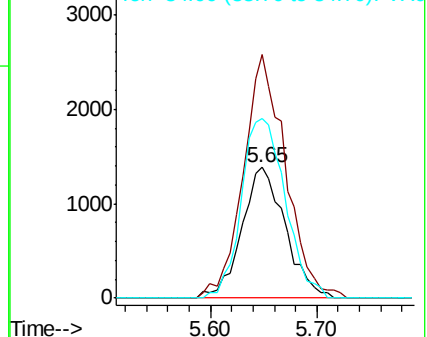
84 137.7 71.3 106.9#

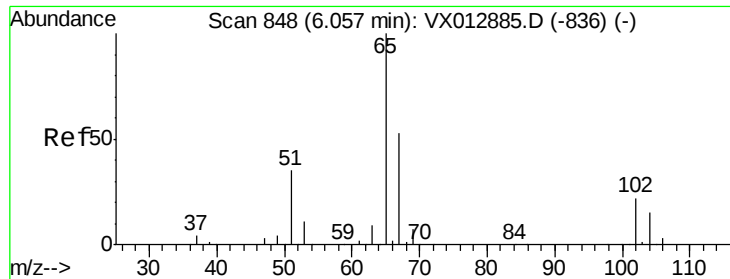


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

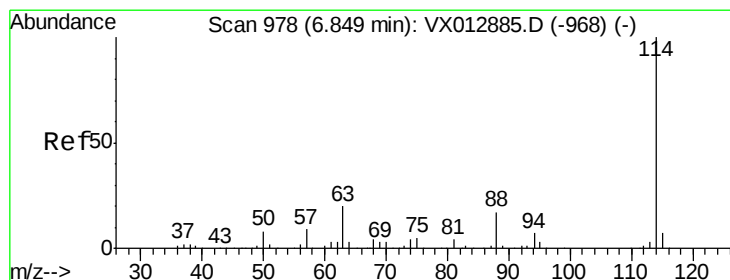
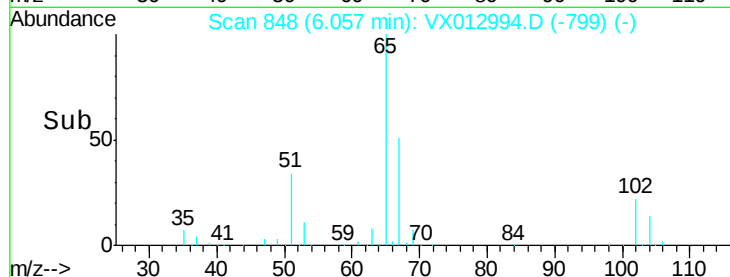
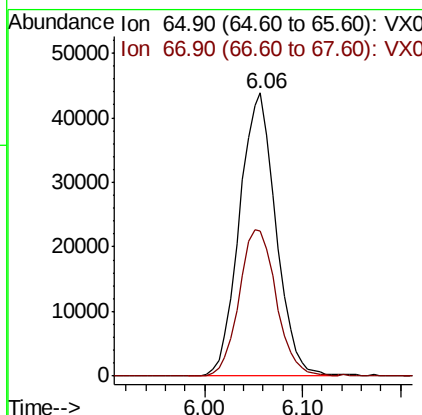
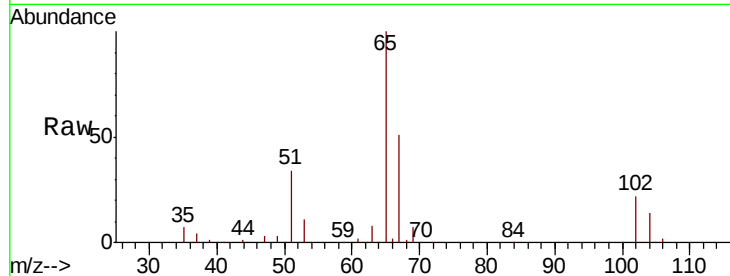




#33
 1,2-Dichloroethane-d4
 Concen: 51.647 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX012994.D
 Acq: 10 Oct 2019 14:33

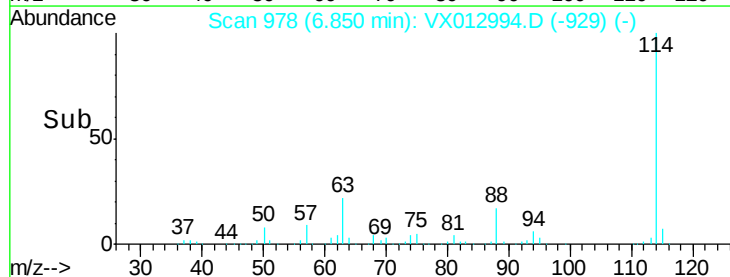
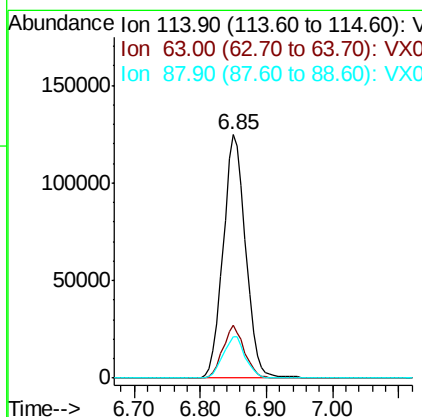
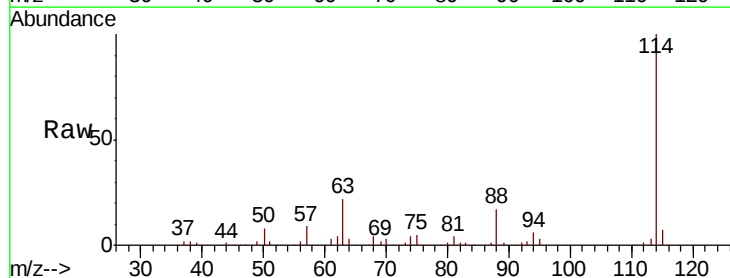
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7213B

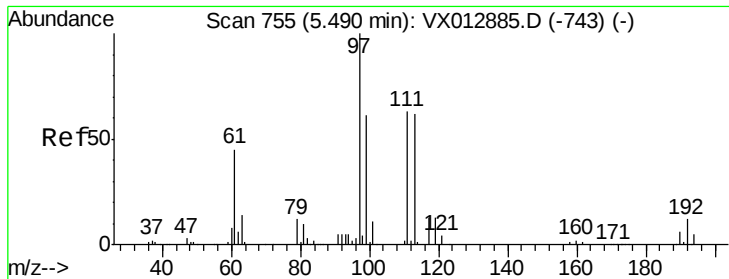
Tot Ion: 65 Resp: 113168
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012994.D
 Acq: 10 Oct 2019 14:33

Tgt Ion: 114 Resp: 294142
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 40.8
 88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.054 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012994.D

Acq: 10 Oct 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7213B

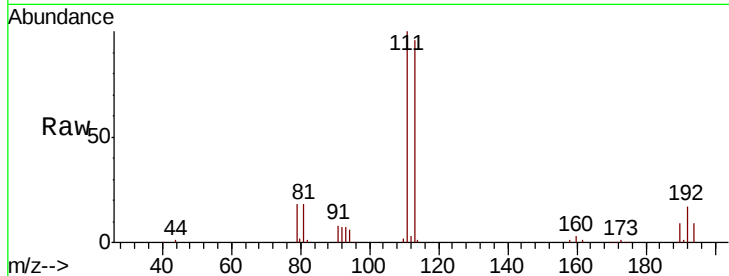
Tot Ion:113 Resp: 86191

Ion Ratio Lower Upper

113 100

111 104.0 83.2 124.8

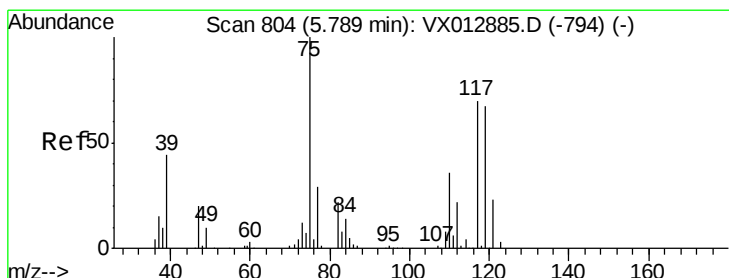
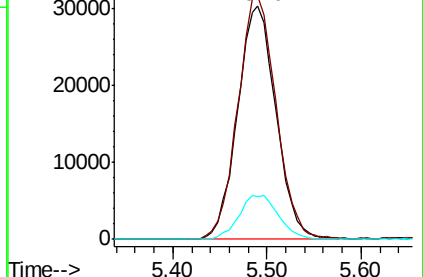
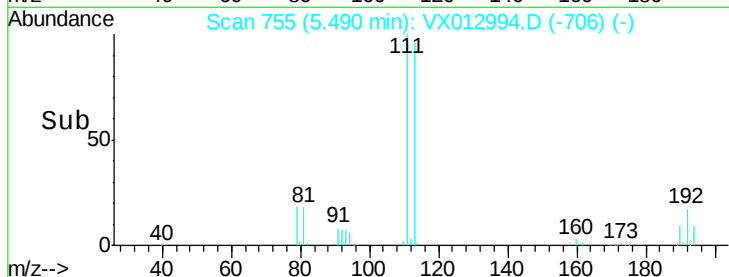
192 19.4 15.4 23.2



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: 5.457 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012994.D

Acq: 10 Oct 2019 14:33

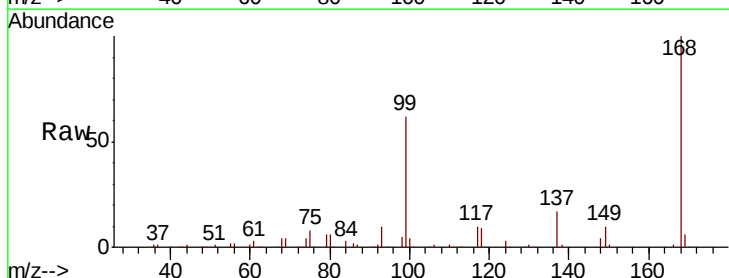
Tgt Ion: 75 Resp: 14113

Ion Ratio Lower Upper

75 100

110 8.7 17.6 52.9#

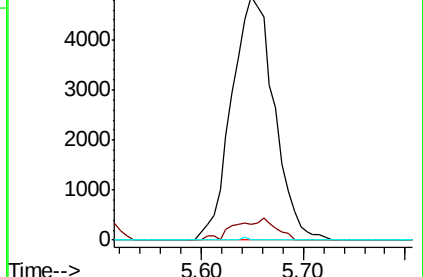
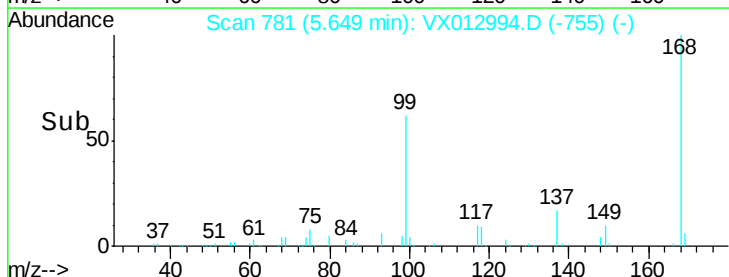
77 0.2 24.4 36.6#

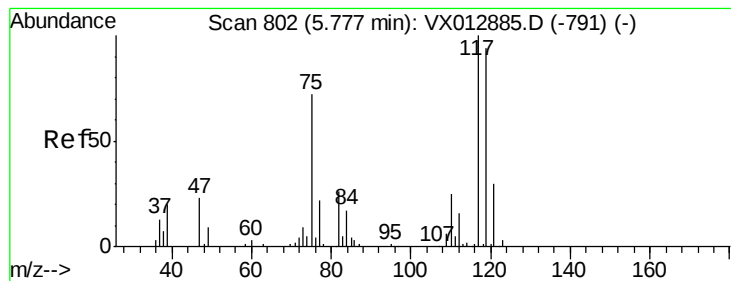


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.206 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012994.D

Acq: 10 Oct 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7213B

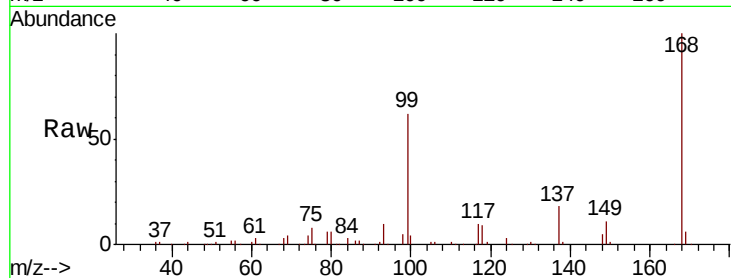
Tot Ion:117 Resp: 18139

Ion Ratio Lower Upper

117 100

119 6.3 74.5 111.7#

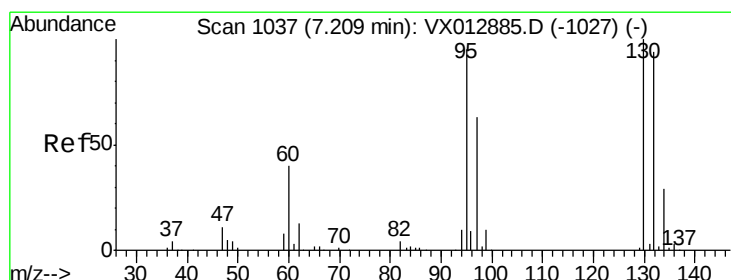
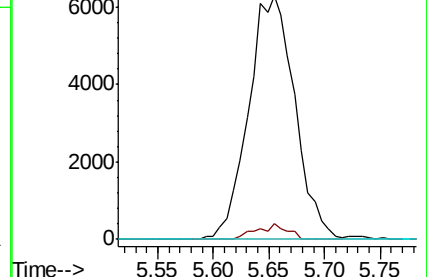
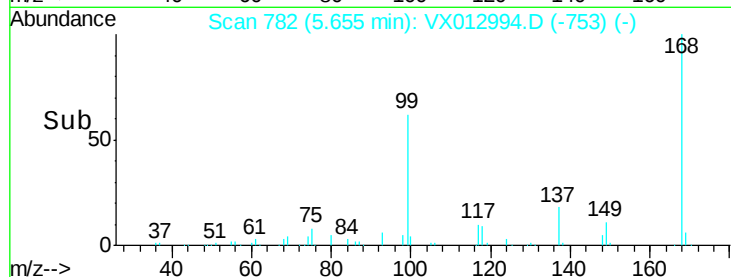
121 0.0 24.2 36.4#



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: 1.000 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX012994.D

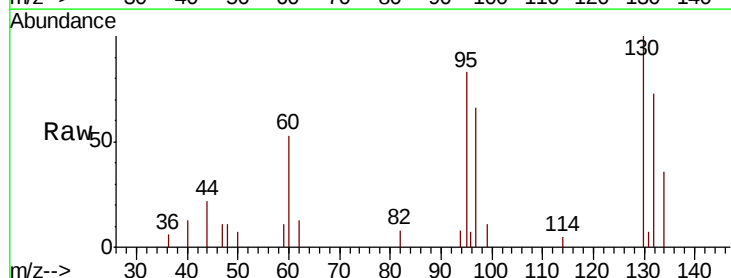
Acq: 10 Oct 2019 14:33

Tgt Ion:130 Resp: 2119

Ion Ratio Lower Upper

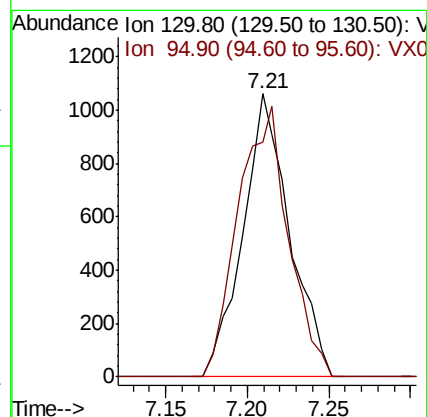
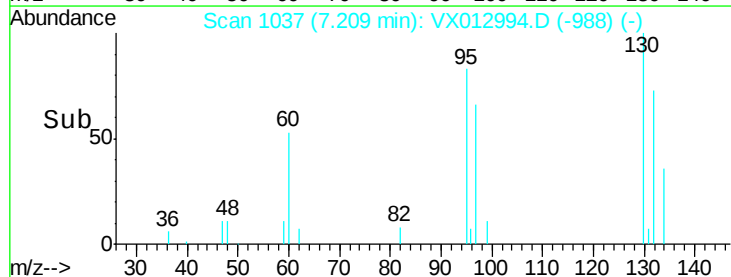
130 100

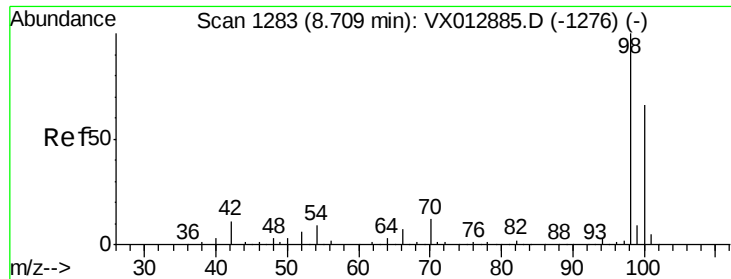
95 83.0 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 52.568 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012994.D

Acq: 10 Oct 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

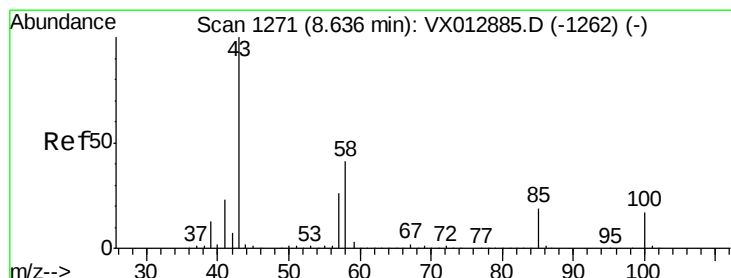
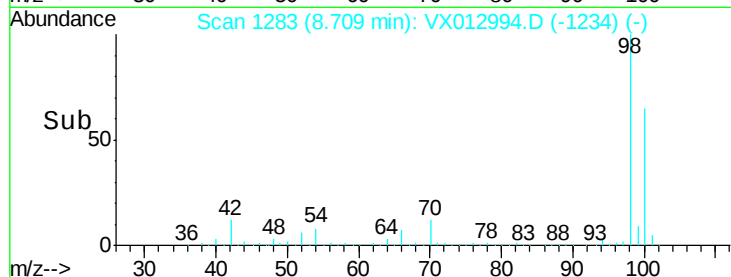
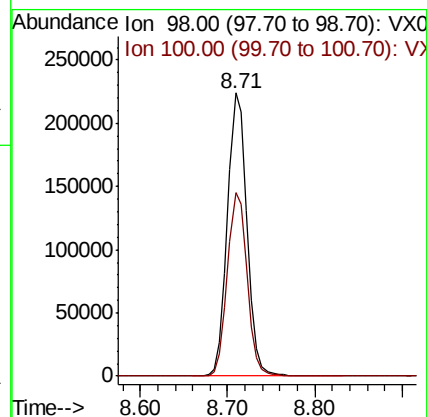
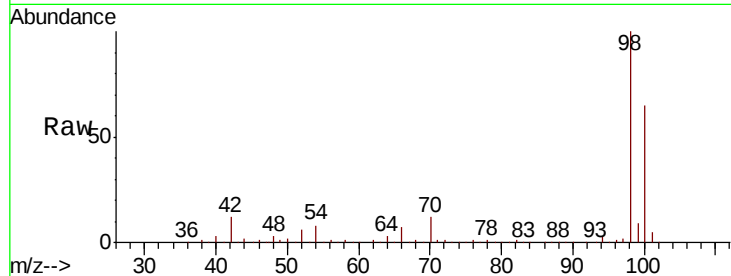
FA19-JBW7213B

Tot Ion: 98 Resp: 346132

Ion Ratio Lower Upper

98 100

100 65.4 53.4 80.2



#51

4-Methyl-2-Pentanone

Concen: 0.485 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VX012994.D

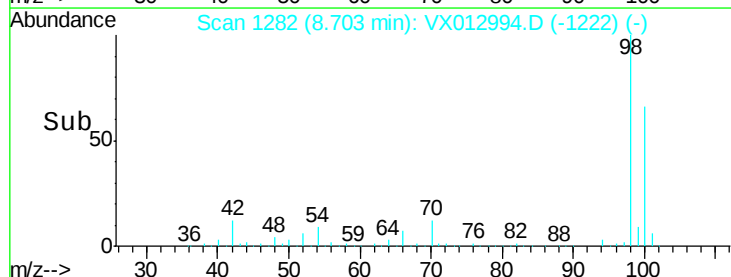
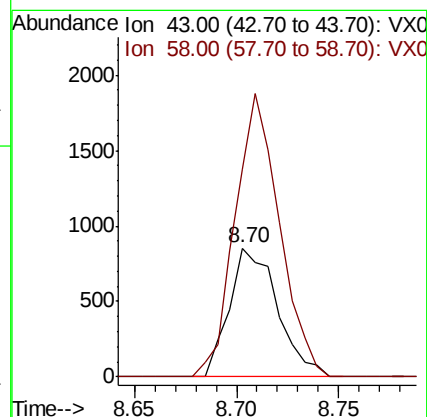
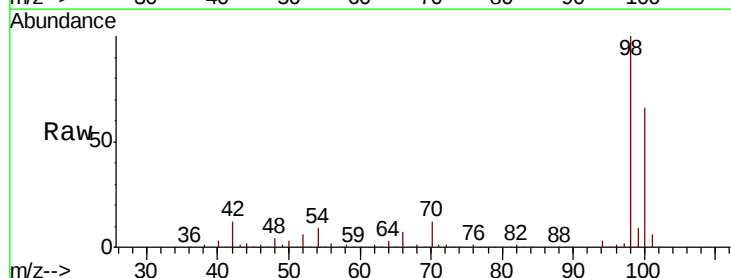
Acq: 10 Oct 2019 14:33

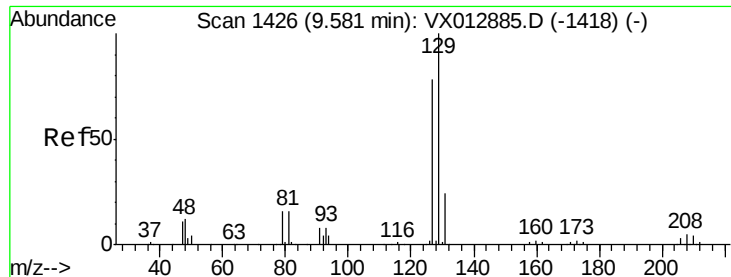
Tgt Ion: 43 Resp: 1403

Ion Ratio Lower Upper

43 100

58 202.1 32.4 48.6#





#60

Dibromochloromethane

Concen: 18.755 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012994.D

Acq: 10 Oct 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

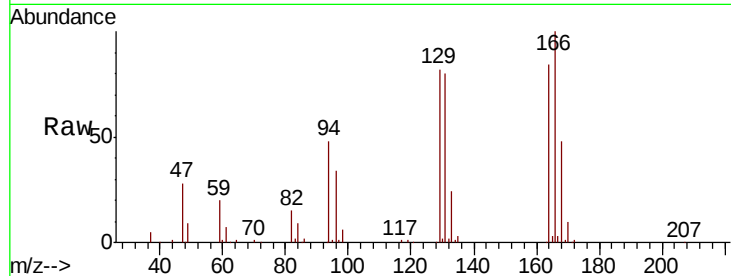
FA19-JBW7213B

Tot Ion:129 Resp: 37767

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.33

25000

20000

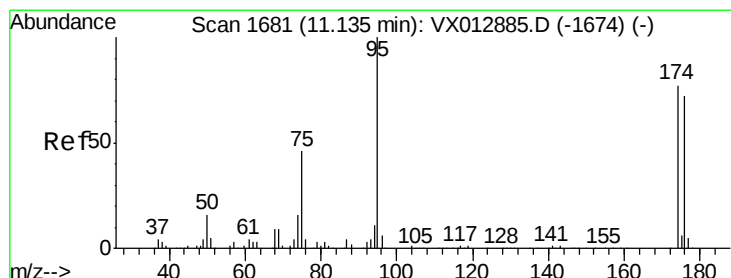
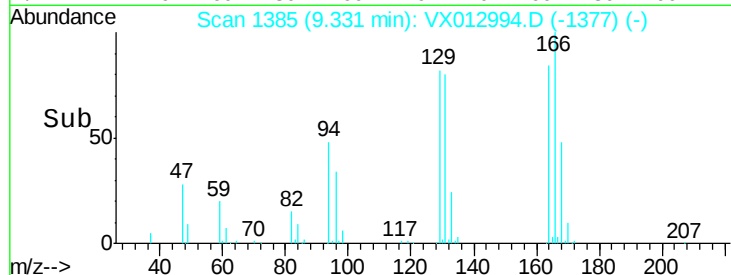
15000

10000

5000

0

Time--> 9.25 9.30 9.35 9.40



#62

4-Bromofluorobenzene

Concen: 43.704 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012994.D

Acq: 10 Oct 2019 14:33

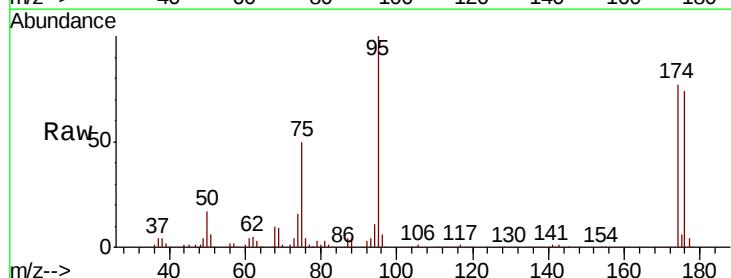
Tgt Ion: 95 Resp: 111814

Ion Ratio Lower Upper

95 100

174 71.8 0.0 143.4

176 69.0 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

11.14

100000

80000

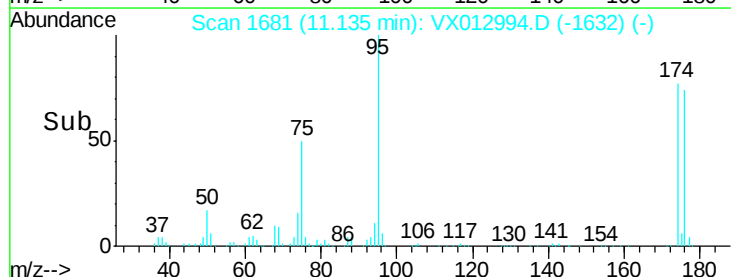
60000

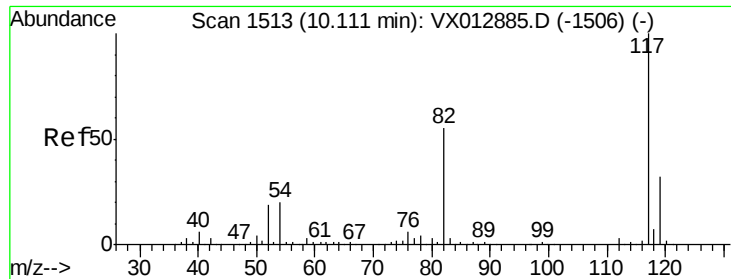
40000

20000

0

Time--> 11.10 11.20

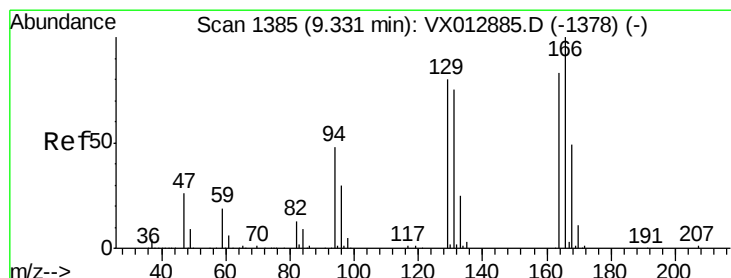
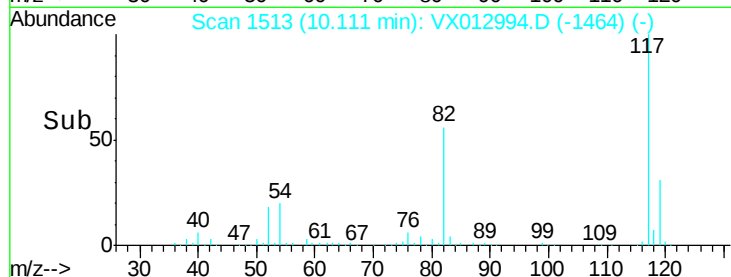
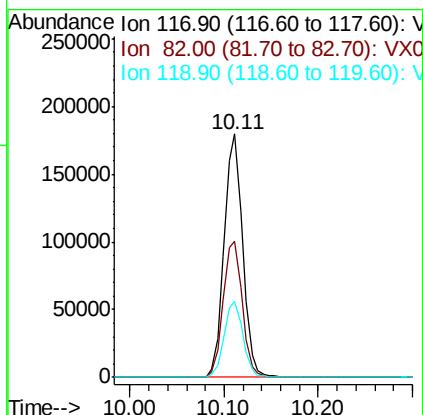
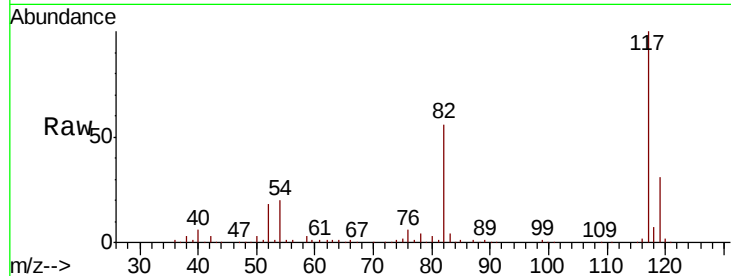




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012994.D
Acq: 10 Oct 2019 14:33

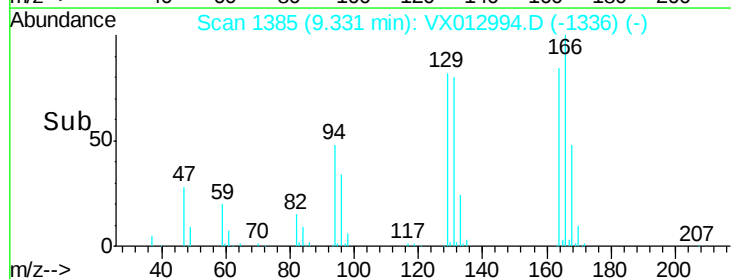
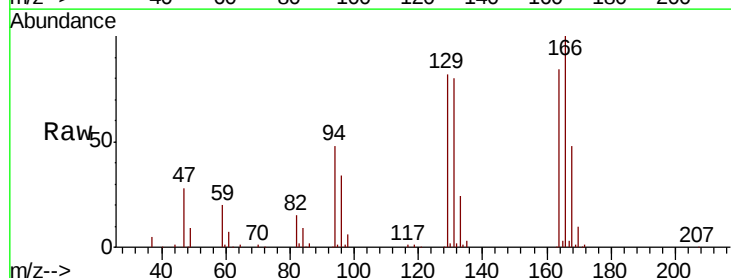
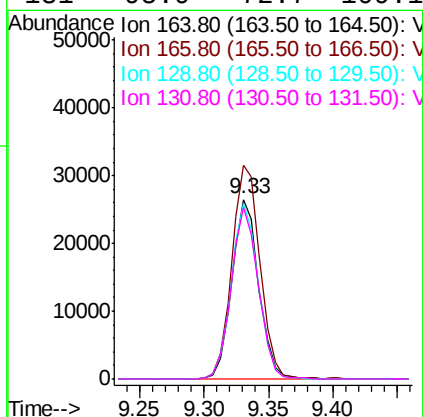
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7213B

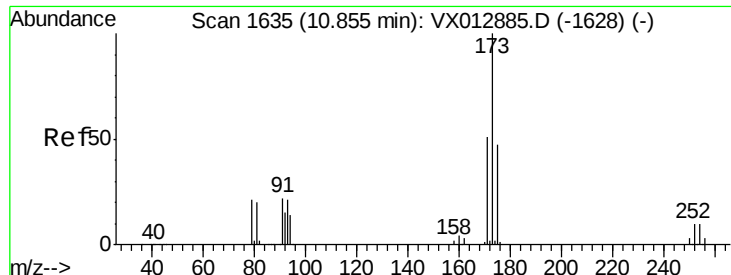
Tot Ion:117 Resp: 245622
Ion Ratio Lower Upper
117 100
82 55.7 44.1 66.1
119 31.2 25.8 38.8



#64
Tetrachloroethene
Concen: 22.561 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012994.D
Acq: 10 Oct 2019 14:33

Tgt Ion:164 Resp: 38436
Ion Ratio Lower Upper
164 100
166 119.2 96.9 145.3
129 98.0 77.9 116.9
131 95.9 72.7 109.1

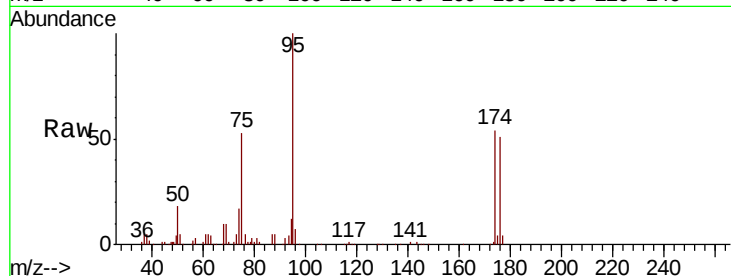




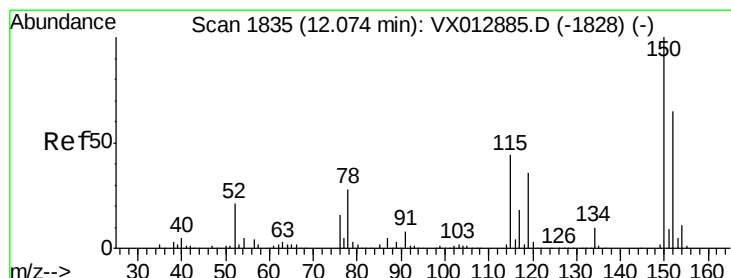
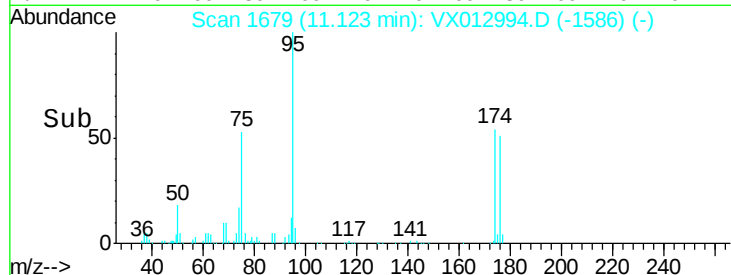
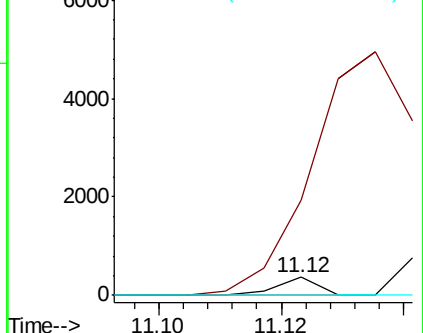
#71
Bromoform
Concen: 3.242 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.27 min
Lab File: VX012994.D
Acq: 10 Oct 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7213B

Tot Ion:173 Resp: 168
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.1 0.1#

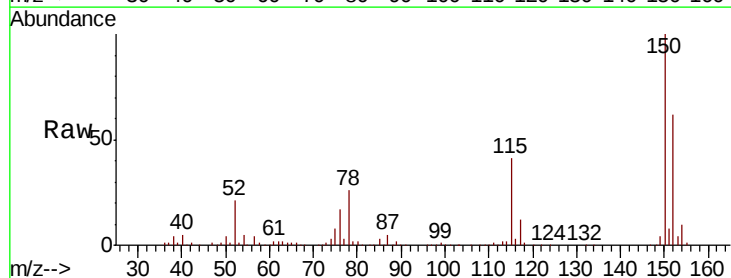


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

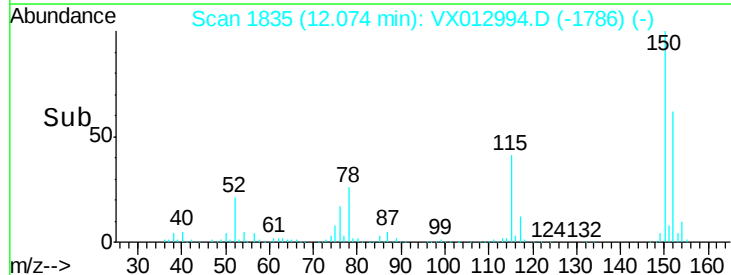
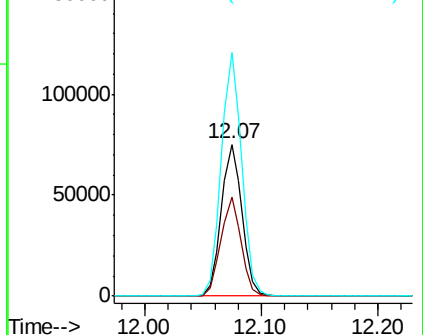


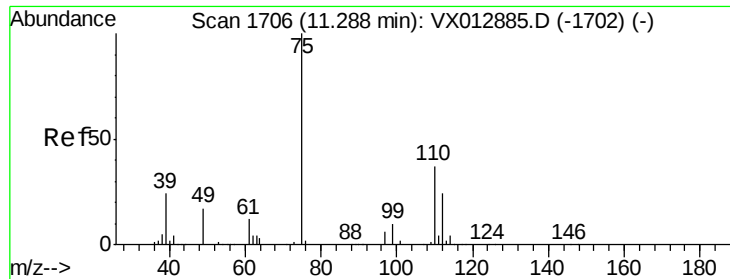
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012994.D
Acq: 10 Oct 2019 14:33

Tgt Ion:152 Resp: 92108
Ion Ratio Lower Upper
152 100
115 63.5 44.5 133.5
150 158.2 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: 27.524 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012994.D

Acq: 10 Oct 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

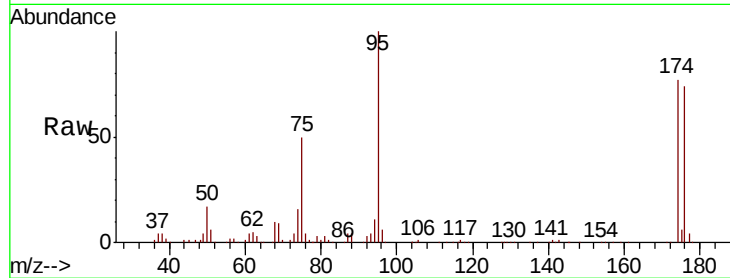
FA19-JBW7213B

Tot Ion: 75 Resp: 56231

Ion Ratio Lower Upper

75 100

77 1.4 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

40000

30000

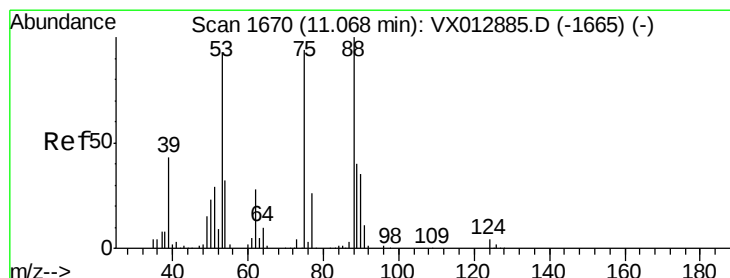
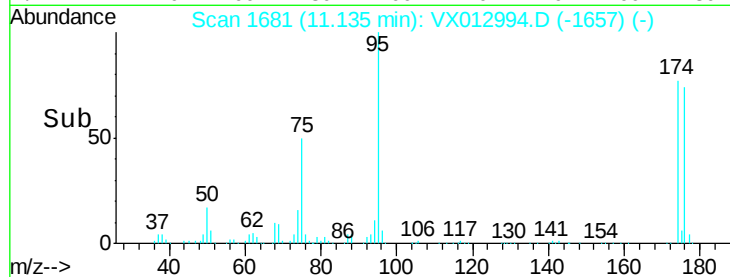
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 69.081 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012994.D

Acq: 10 Oct 2019 14:33

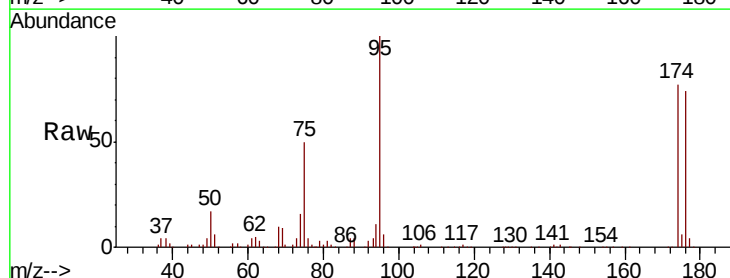
Tgt Ion: 75 Resp: 56231

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

40000

30000

20000

10000

0

Time-->

11.10 11.20

