

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013061.D
 Acq On : 14 Oct 2019 18:49
 Operator : JC/SP
 Sample : K5313-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ1781

Quant Time: Oct 15 01:29:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	176826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288977	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	91480	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	108304	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
35) Dibromofluoromethane	5.49	113	85465	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
50) Toluene-d8	8.71	98	331884	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	11.14	95	108139	43.02	ug/l	0.00
Spiked Amount			Recovery	=	86.04%	

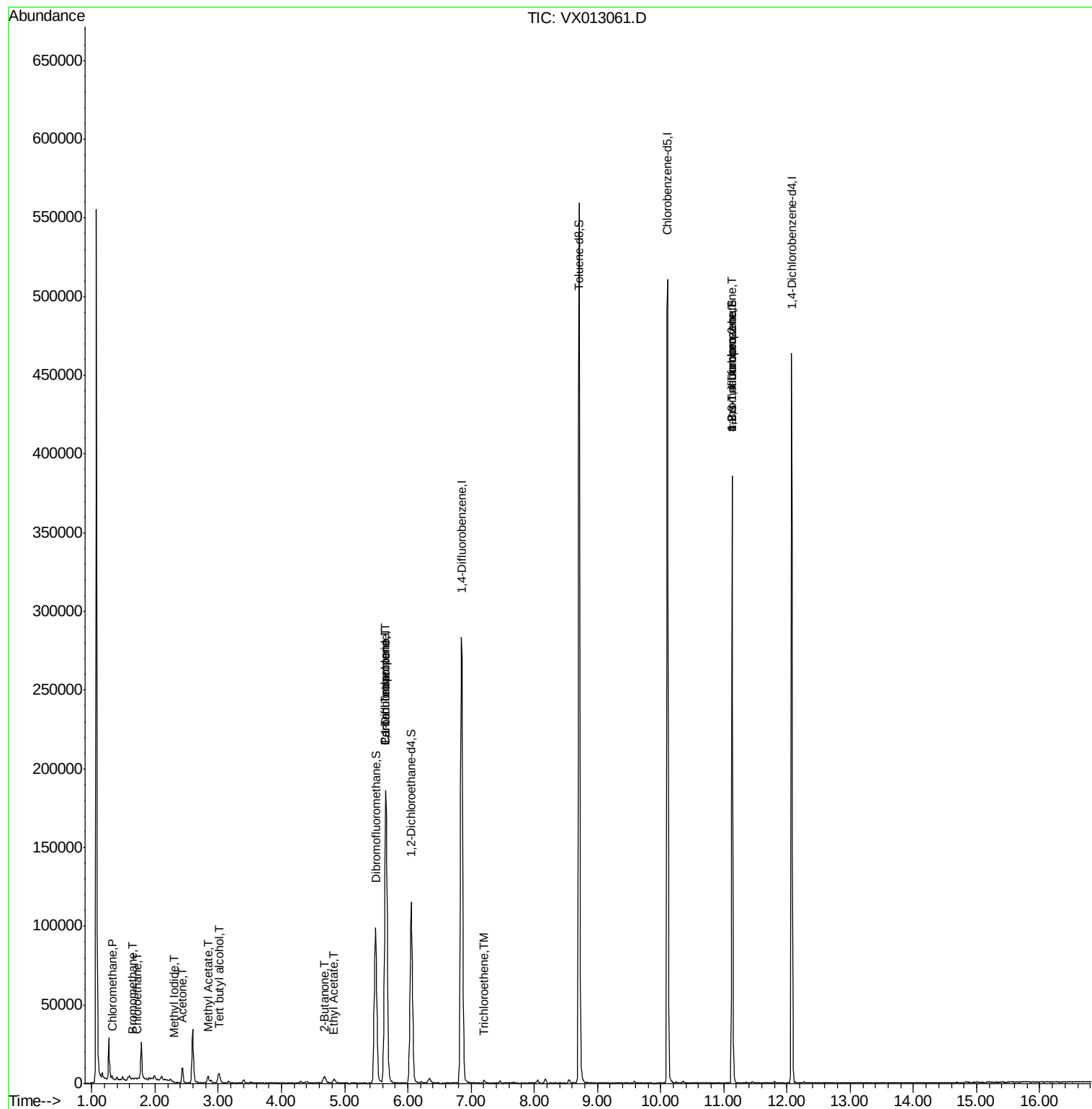
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1266	0.645	ug/l #	88
5) Bromomethane	1.65	94	235	0.279	ug/l #	43
6) Chloroethane	1.72	64	516	0.782	ug/l #	43
10) Methyl Iodide	2.29	142	19	5.090	ug/l #	40
11) Tert butyl alcohol	3.01	59	4980	8.500	ug/l #	77
16) Acetone	2.44	43	10478	8.994	ug/l	94
18) Methyl Acetate	2.84	43	2692	0.975	ug/l #	51
25) 2-Butanone	4.68	43	372	0.230	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	13574	5.343	ug/l #	49
37) Ethyl Acetate	4.84	43	4763	1.677	ug/l	97
38) Carbon Tetrachloride	5.65	117	18427	7.451	ug/l #	18
44) Trichloroethene	7.21	130	857	0.412	ug/l	93
76) 1,2,3-Trichloropropane	11.14	75	53776	26.503	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	53776	66.670	ug/l #	10

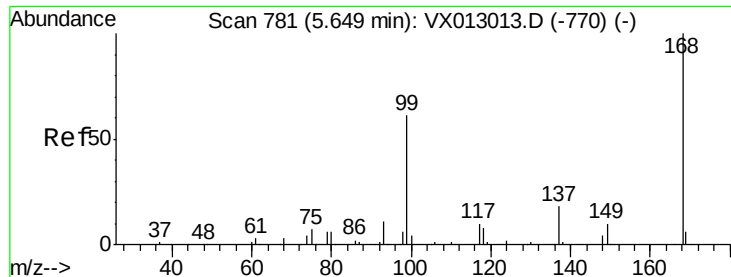
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013061.D

Acq: 14 Oct 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

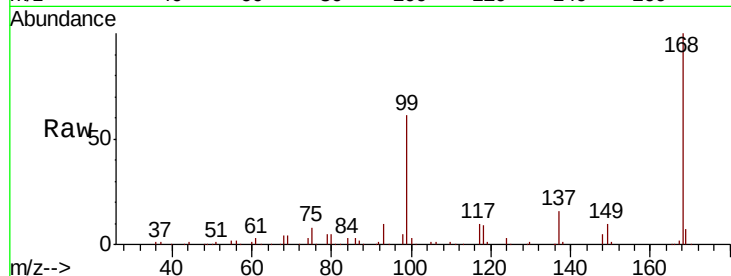
FA19-JPZ1781

Tot Ion:168 Resp: 176826

Ion Ratio Lower Upper

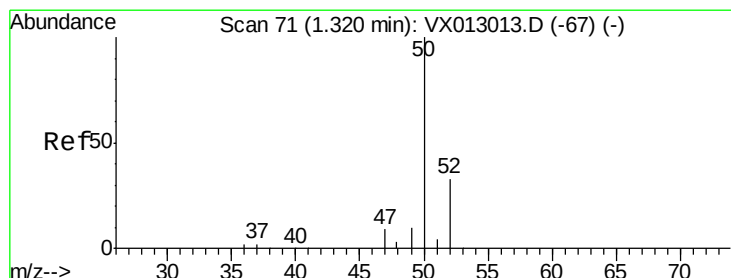
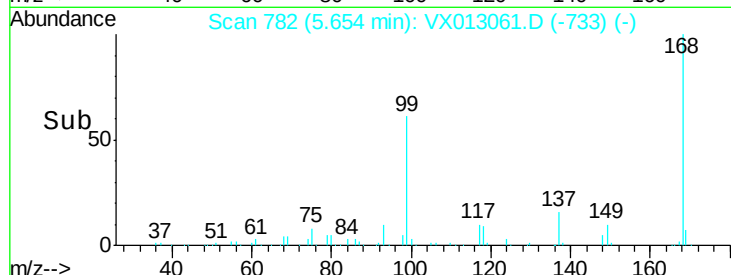
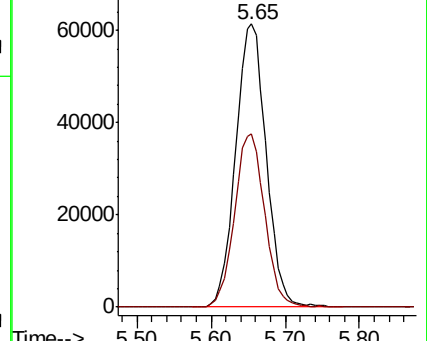
168 100

99 61.2 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.645 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013061.D

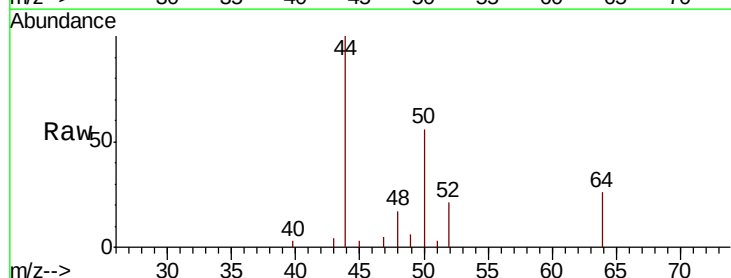
Acq: 14 Oct 2019 18:49

Tgt Ion: 50 Resp: 1266

Ion Ratio Lower Upper

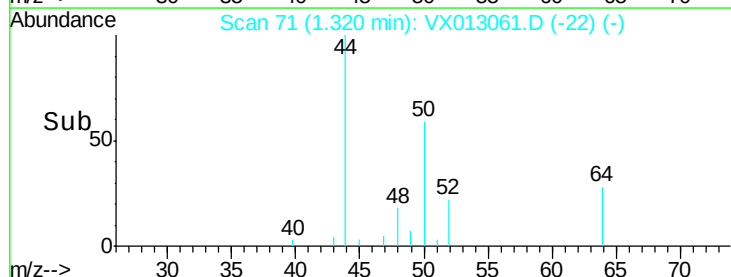
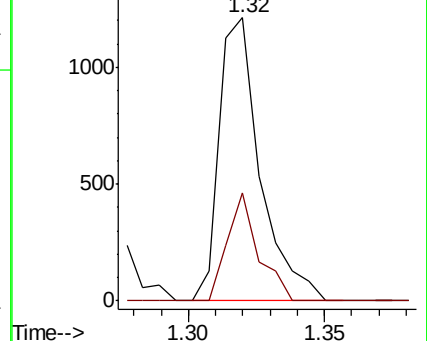
50 100

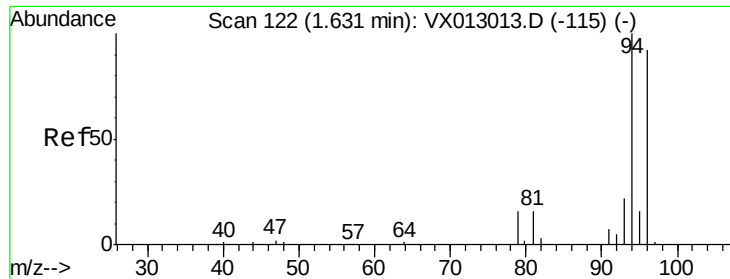
52 38.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.279 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013061.D

Acq: 14 Oct 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

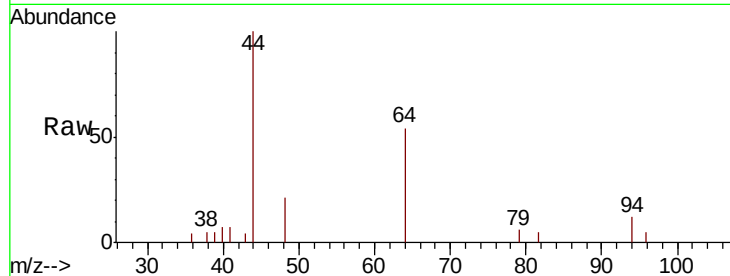
FA19-JPZ1781

Tot Ion: 94 Resp: 235

Ion Ratio Lower Upper

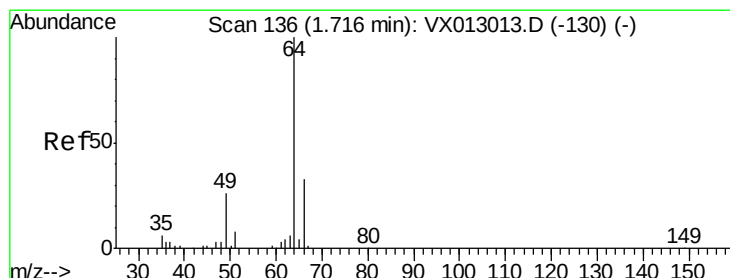
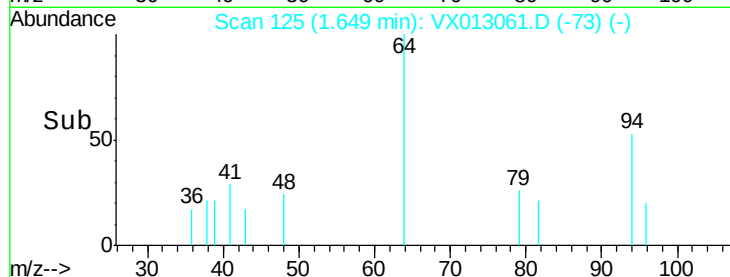
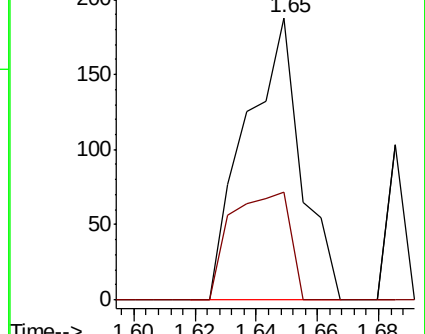
94 100

96 38.3 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: 0.782 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013061.D

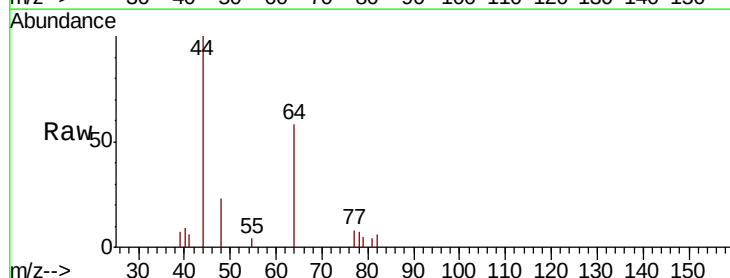
Acq: 14 Oct 2019 18:49

Tgt Ion: 64 Resp: 516

Ion Ratio Lower Upper

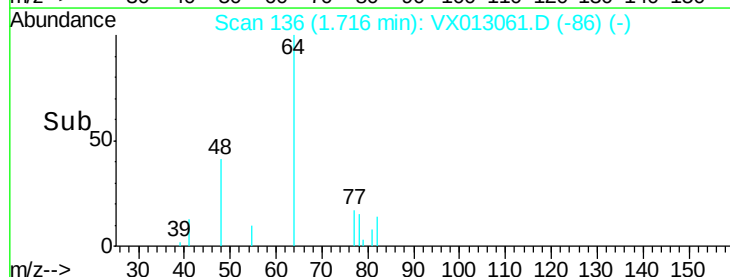
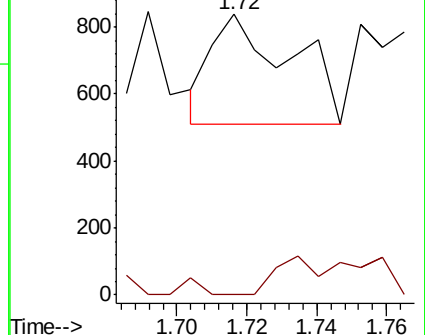
64 100

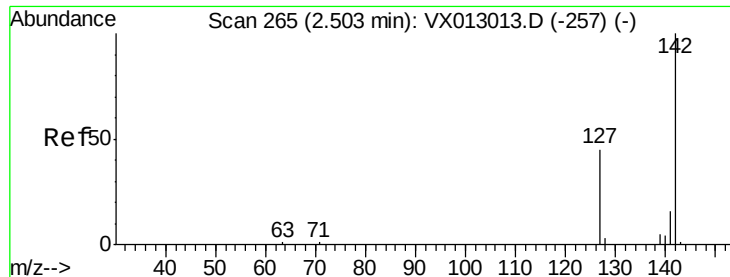
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

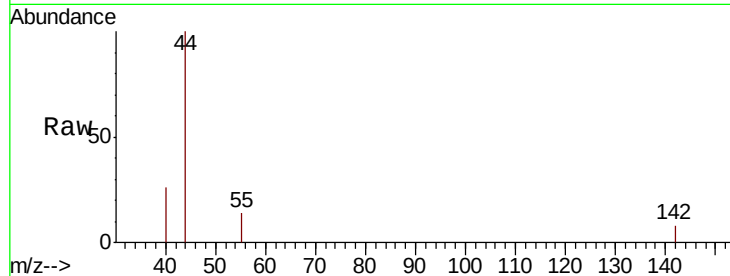




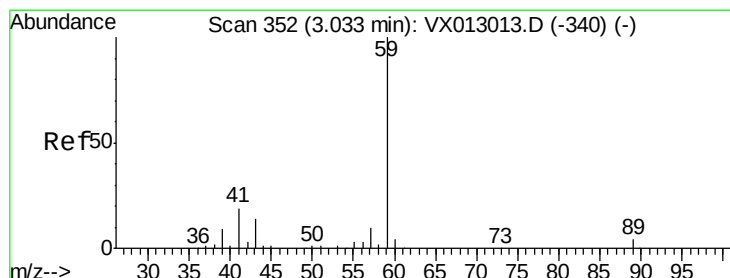
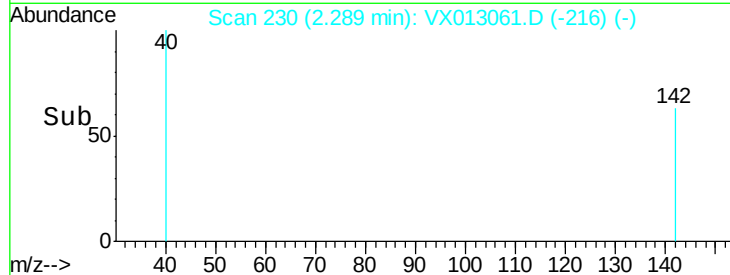
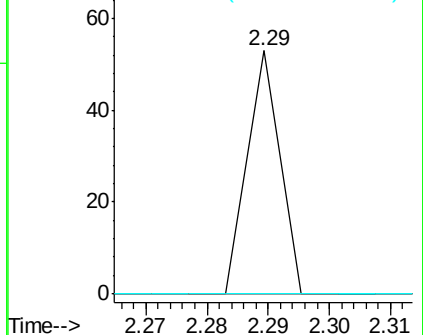
#10
Methyl Iodide
Concen: 5.090 ug/l
RT: 2.29 min Scan# 230
Delta R.T. -0.21 min
Lab File: VX013061.D
Acq: 14 Oct 2019 18:49

Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ1781

Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#

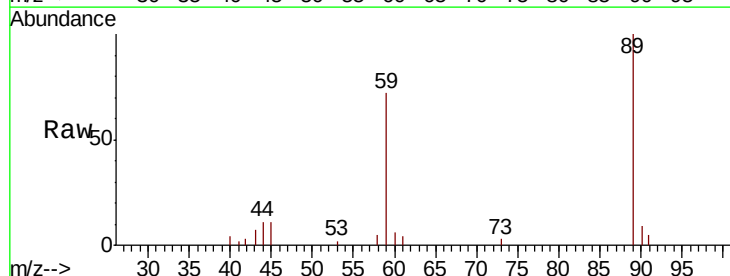


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

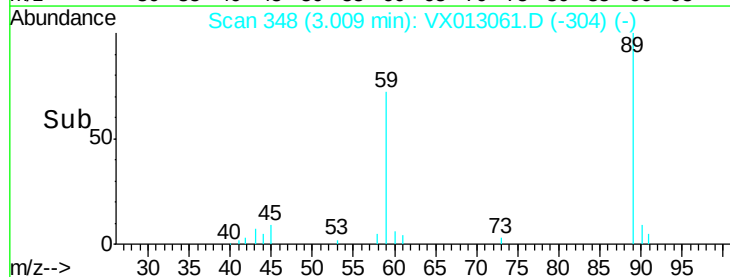
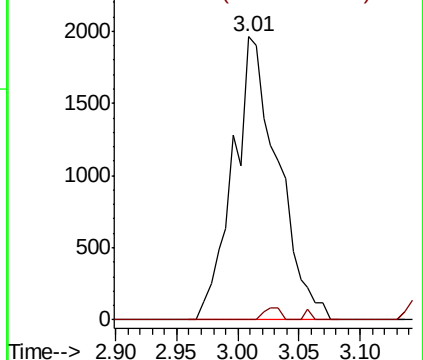


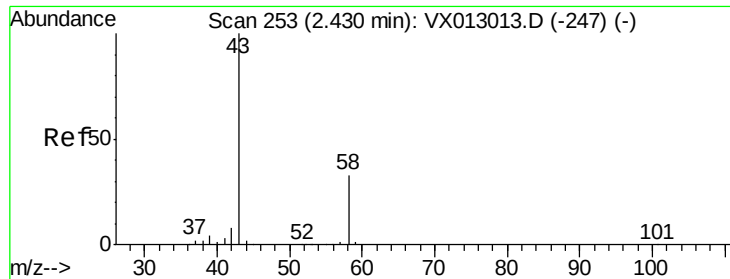
#11
Tert butyl alcohol
Concen: 8.500 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013061.D
Acq: 14 Oct 2019 18:49

Tgt Ion: 59 Resp: 4980
Ion Ratio Lower Upper
59 100
57 1.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 8.994 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013061.D

Acq: 14 Oct 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

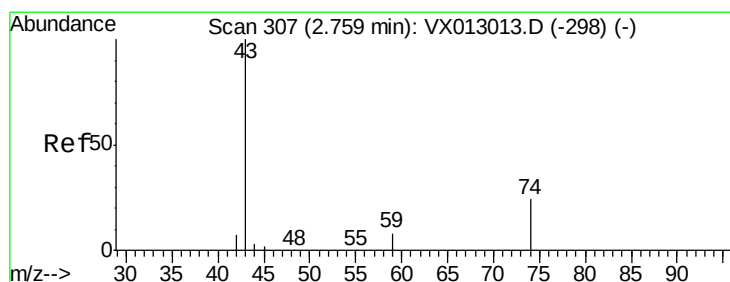
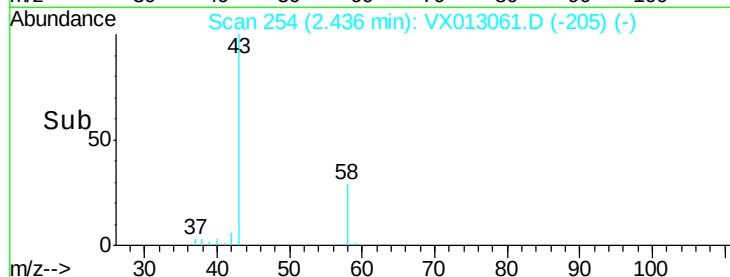
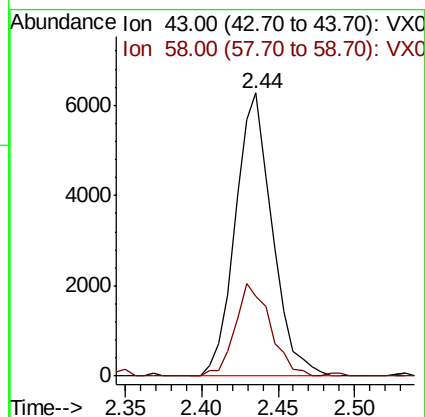
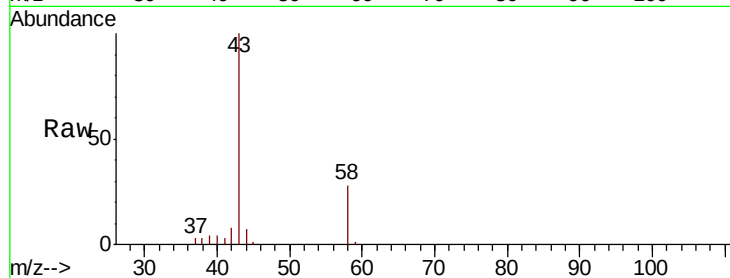
FA19-JPZ1781

Tot Ion: 43 Resp: 10478

Ion Ratio Lower Upper

43 100

58 28.3 25.4 38.2



#18

Methyl Acetate

Concen: 0.975 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.08 min

Lab File: VX013061.D

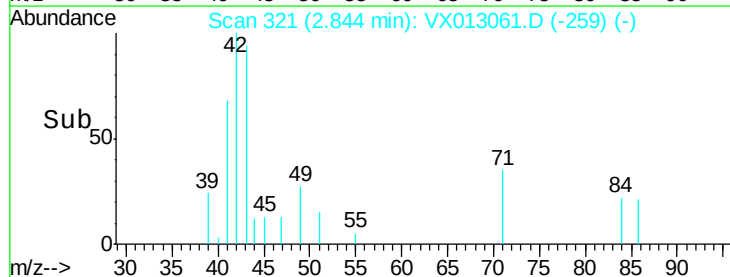
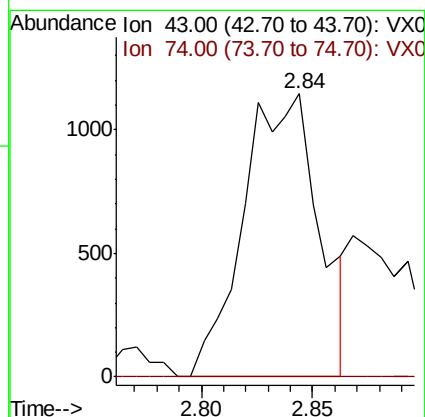
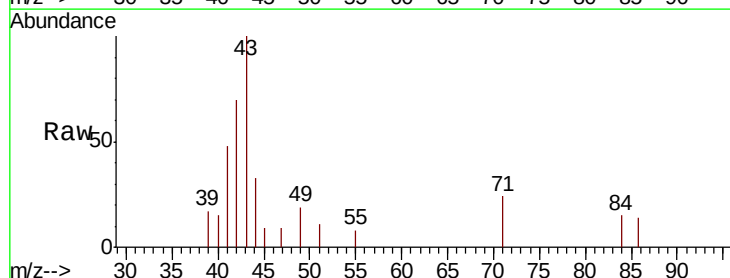
Acq: 14 Oct 2019 18:49

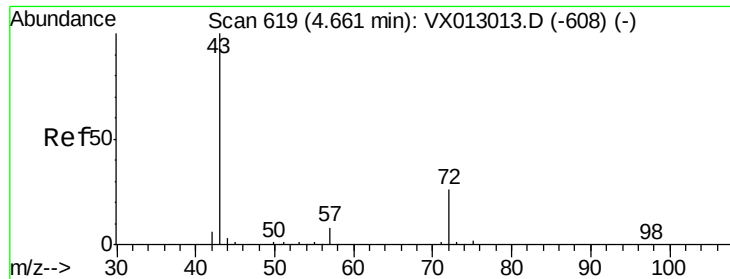
Tgt Ion: 43 Resp: 2692

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#25

2-Butanone

Concen: 0.230 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013061.D

Acq: 14 Oct 2019 18:49

Instrument :

MSVOA_X

ClientSampled :

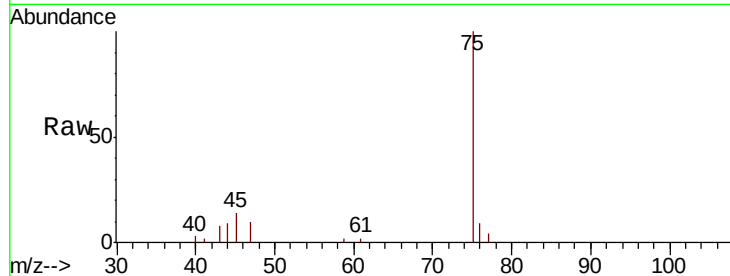
FA19-JPZ1781

Tot Ion: 43 Resp: 372

Ion Ratio Lower Upper

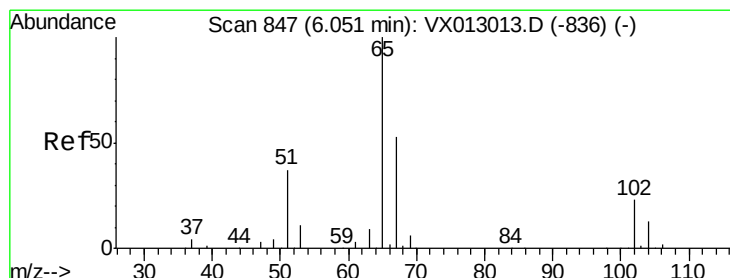
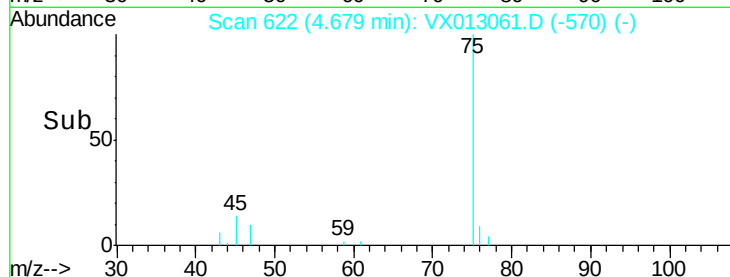
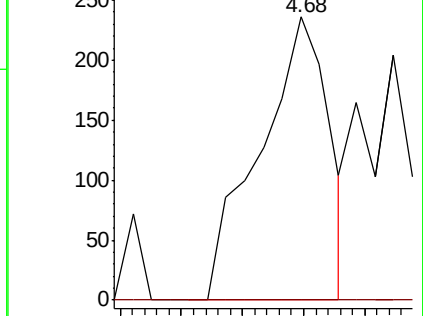
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.004 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013061.D

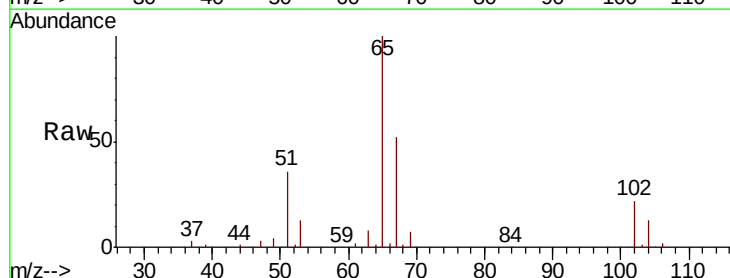
Acq: 14 Oct 2019 18:49

Tgt Ion: 65 Resp: 108304

Ion Ratio Lower Upper

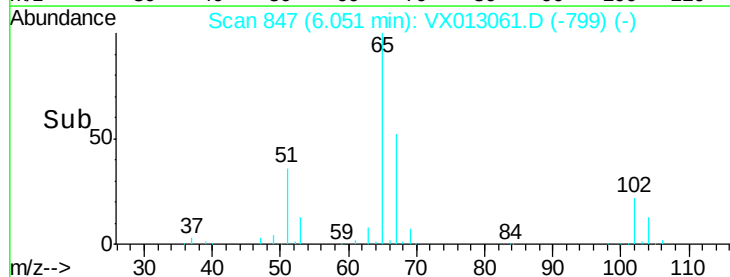
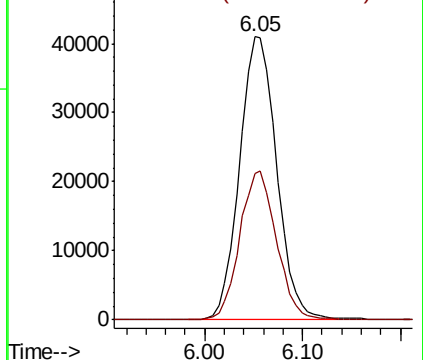
65 100

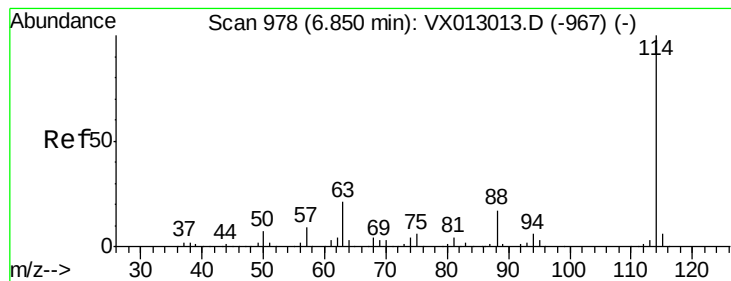
67 52.0 0.0 104.4



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: VX013061.D

Acq: 14 Oct 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ1781

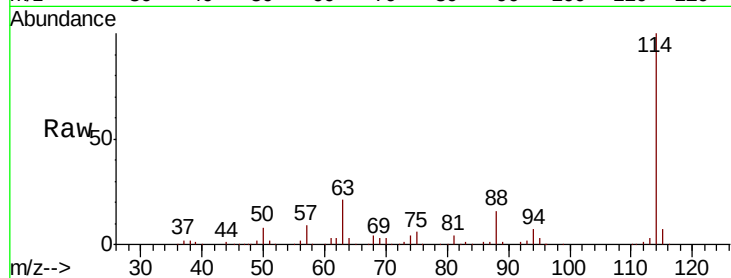
Tot Ion:114 Resp: 288977

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

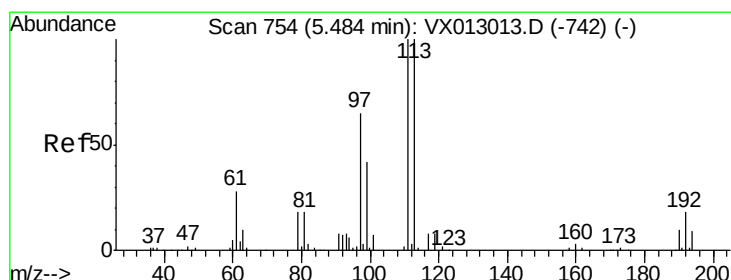
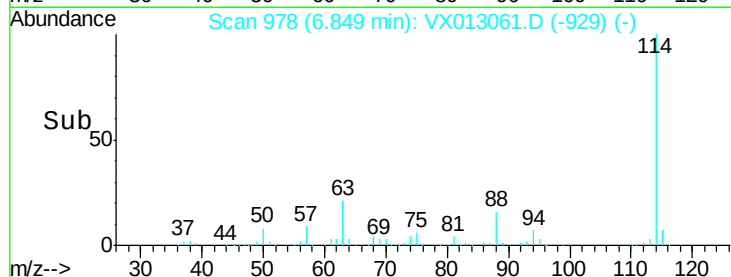
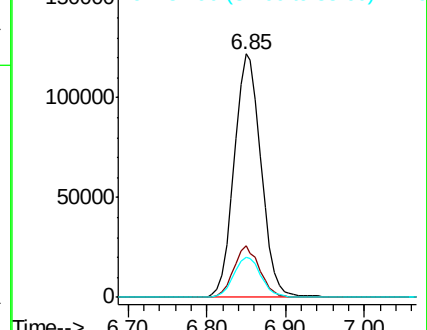
88 16.4 0.0 33.8



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



#35

Dibromofluoromethane

Concen: 51.529 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013061.D

Acq: 14 Oct 2019 18:49

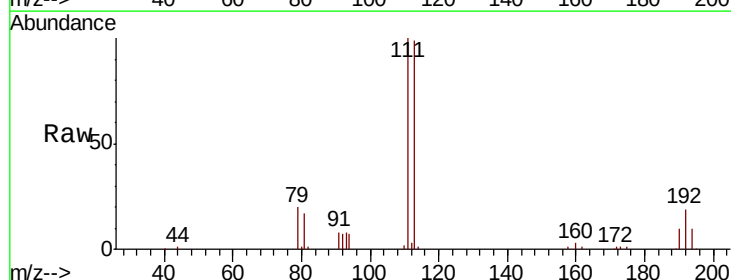
Tgt Ion:113 Resp: 85465

Ion Ratio Lower Upper

113 100

111 101.6 83.2 124.8

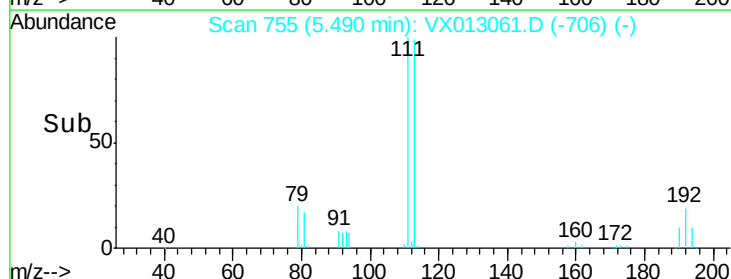
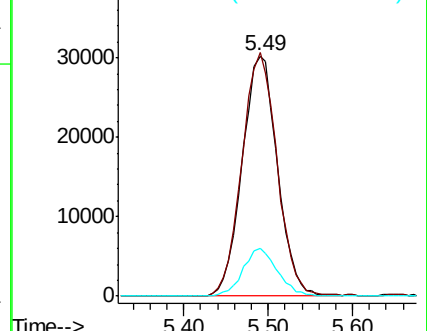
192 19.3 15.4 23.2

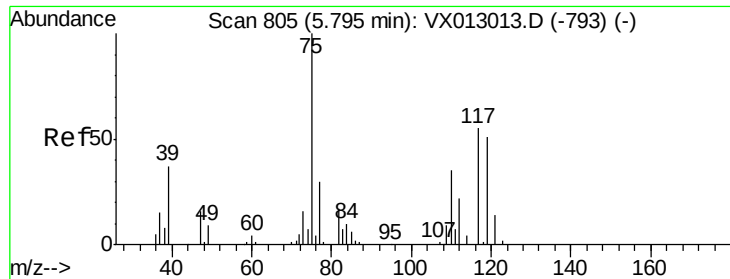


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

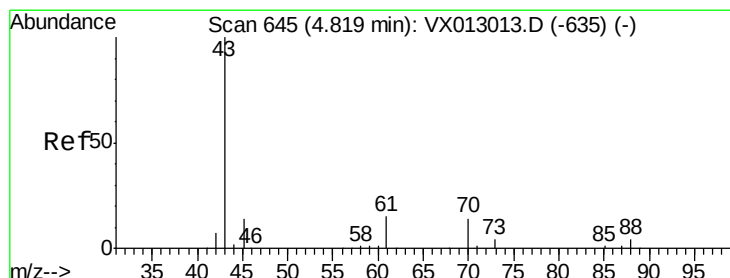
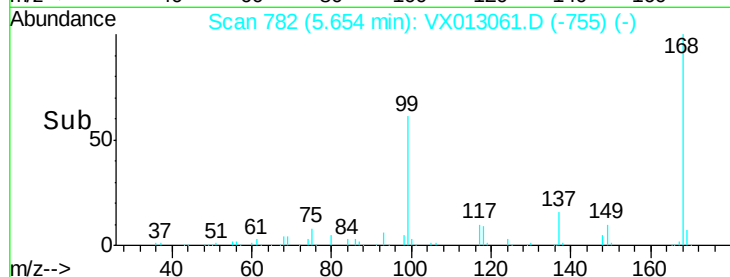
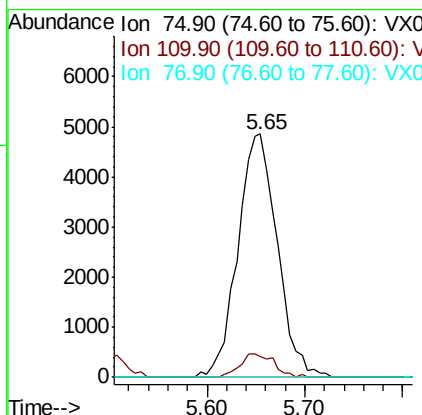
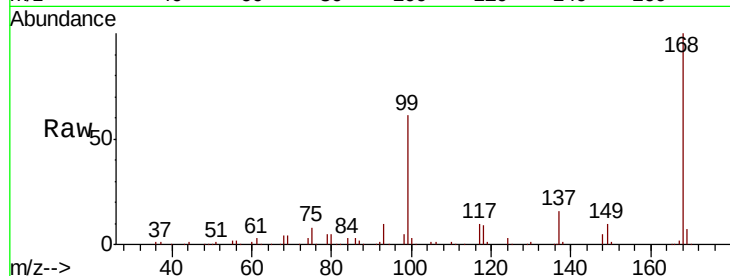




#36
 1,1-Dichloropropene
 Concen: 5.343 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013061.D
 Acq: 14 Oct 2019 18:49

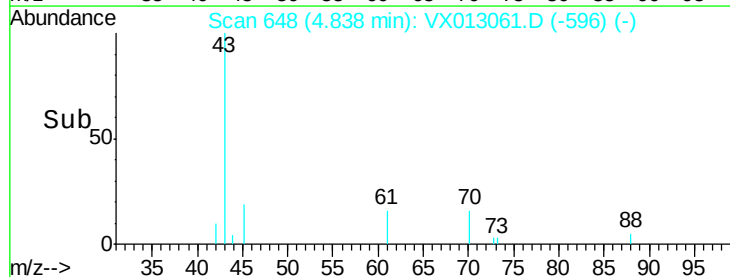
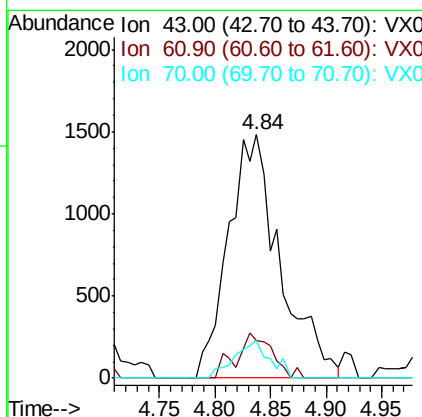
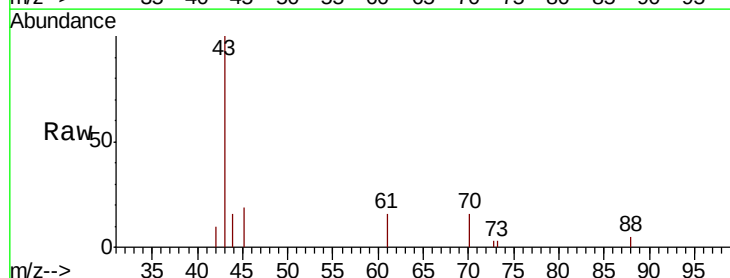
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JPZ1781

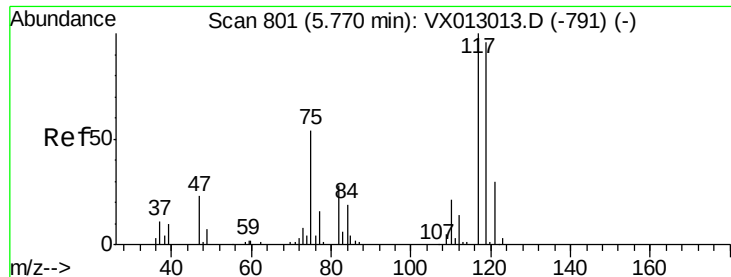
Tot Ion: 75 Resp: 13574
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.6 52.9#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 1.677 ug/l
 RT: 4.84 min Scan# 648
 Delta R.T. 0.02 min
 Lab File: VX013061.D
 Acq: 14 Oct 2019 18:49

Tgt Ion: 43 Resp: 4763
 Ion Ratio Lower Upper
 43 100
 61 13.0 11.4 17.0
 70 10.6 9.8 14.6





#38

Carbon Tetrachloride

Concen: 7.451 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013061.D

Acq: 14 Oct 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

FA19-JPZ1781

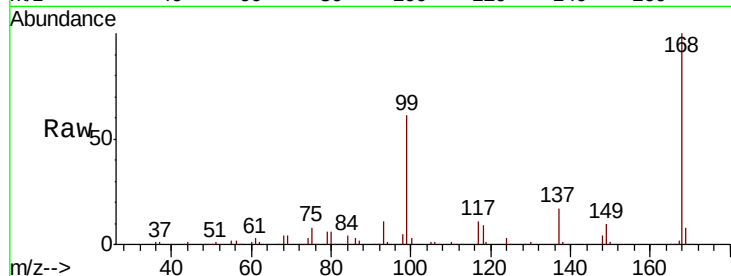
Tot Ion:117 Resp: 18427

Ion Ratio Lower Upper

117 100

119 5.5 74.5 111.7#

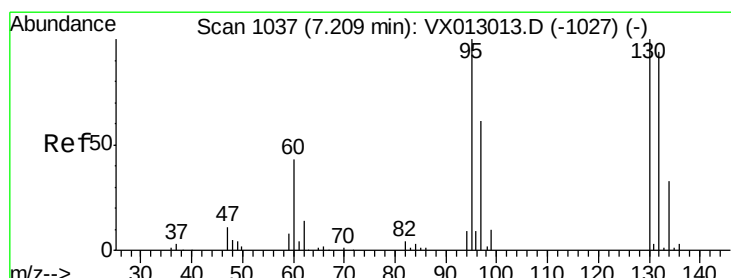
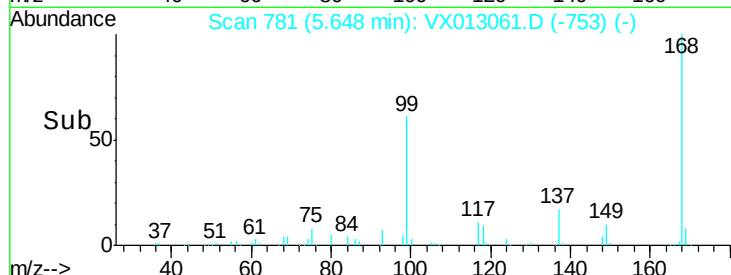
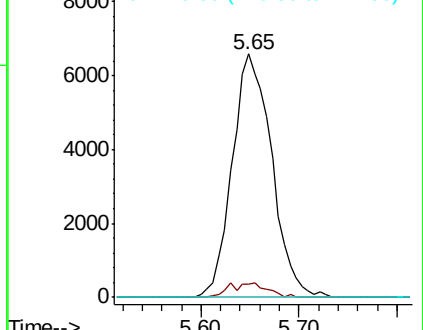
121 0.0 24.2 36.4#



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: 0.412 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX013061.D

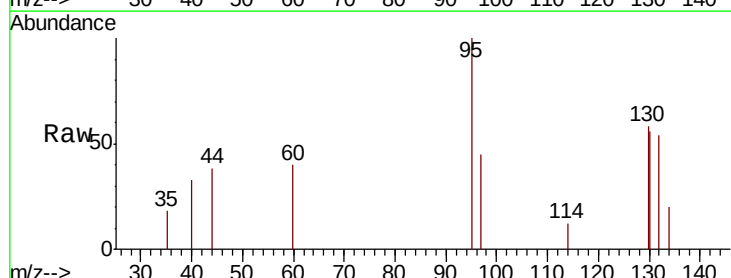
Acq: 14 Oct 2019 18:49

Tgt Ion:130 Resp: 857

Ion Ratio Lower Upper

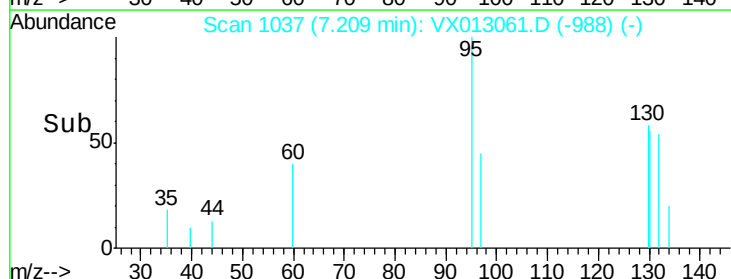
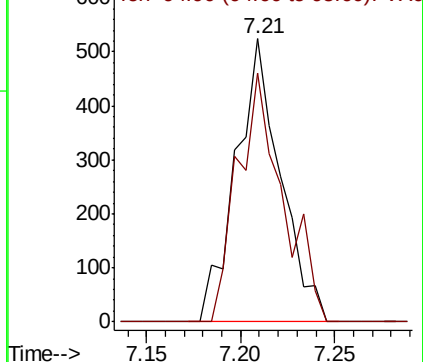
130 100

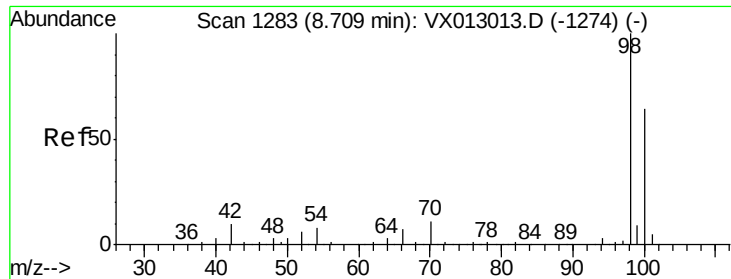
95 87.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.305 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013061.D

Acq: 14 Oct 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

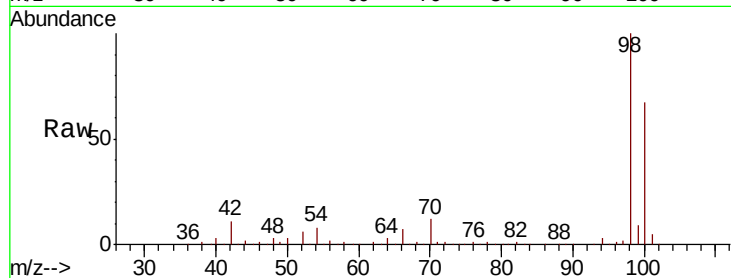
FA19-JPZ1781

Tot Ion: 98 Resp: 331884

Ion Ratio Lower Upper

98 100

100 67.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

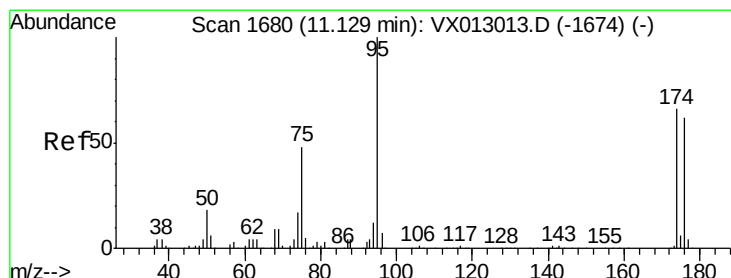
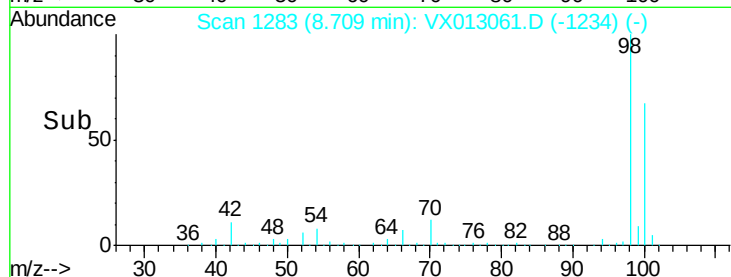
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.023 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013061.D

Acq: 14 Oct 2019 18:49

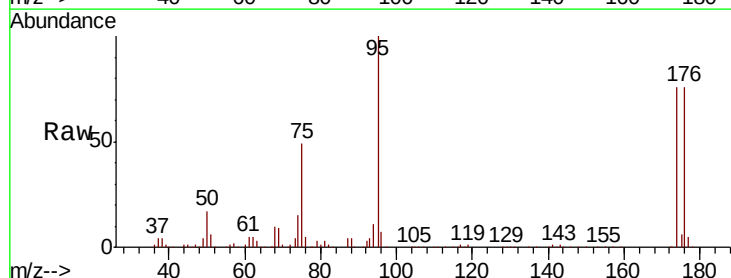
Tgt Ion: 95 Resp: 108139

Ion Ratio Lower Upper

95 100

174 73.8 0.0 143.4

176 71.9 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

100000

80000

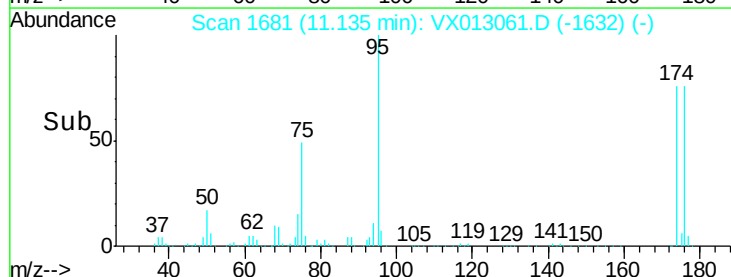
60000

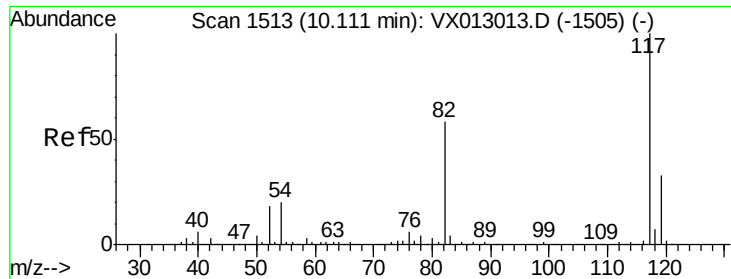
40000

20000

0

Time-->

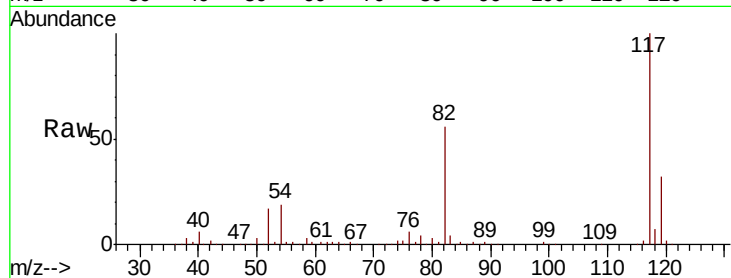




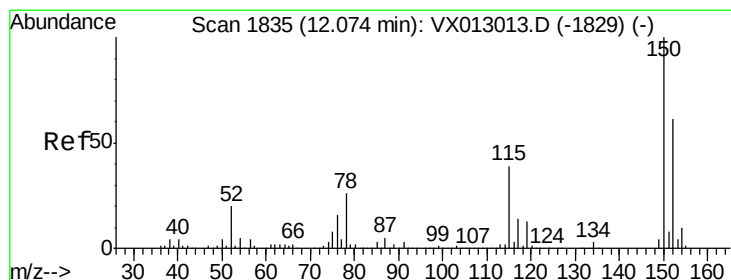
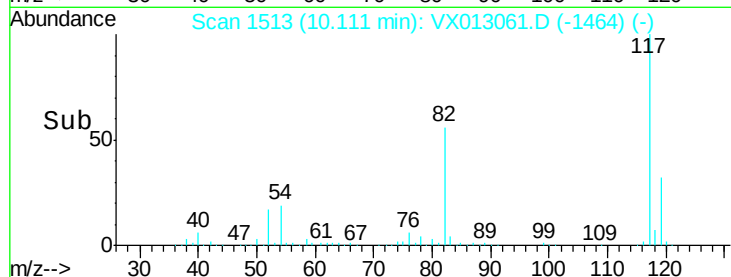
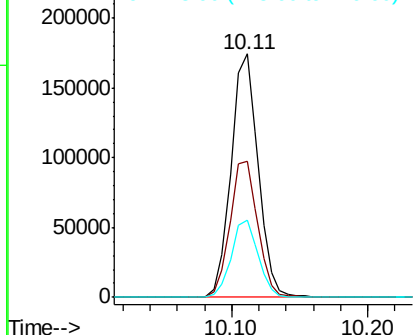
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013061.D
Acq: 14 Oct 2019 18:49

Instrument :
MSVOA_X
ClientSampleId :
FA19-JPZ1781

Tot Ion:117 Resp: 241510
Ion Ratio Lower Upper
117 100
82 56.1 44.1 66.1
119 32.0 25.8 38.8

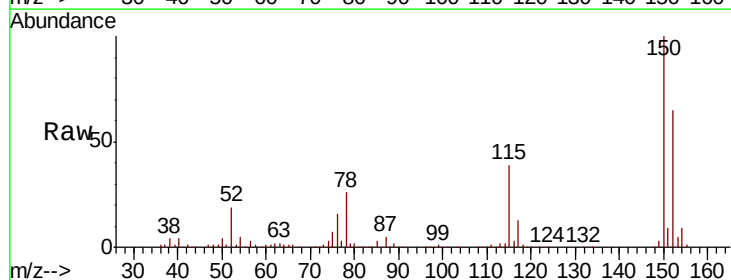


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

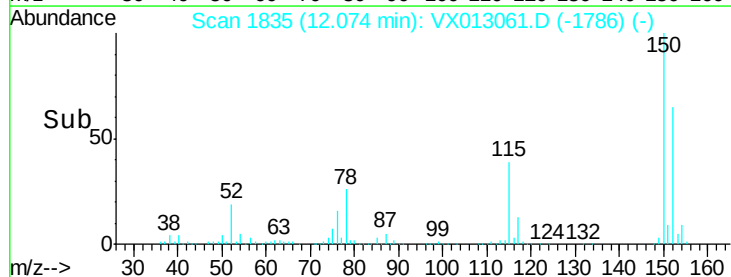
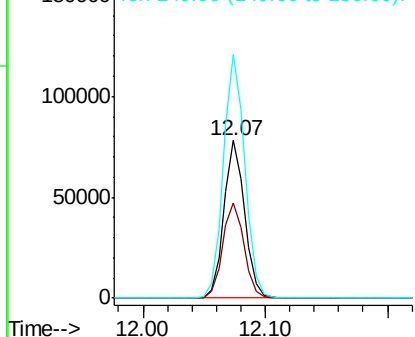


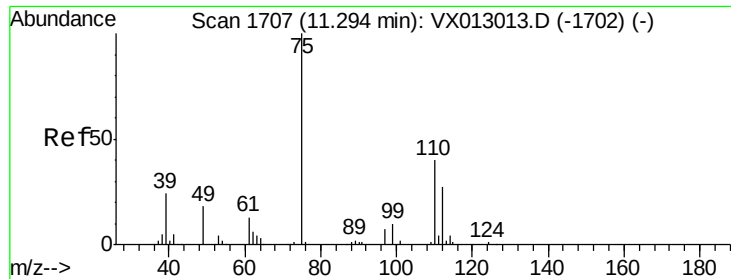
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013061.D
Acq: 14 Oct 2019 18:49

Tgt Ion:152 Resp: 91480
Ion Ratio Lower Upper
152 100
115 62.3 44.5 133.5
150 159.1 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: 26.503 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013061.D

Acq: 14 Oct 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

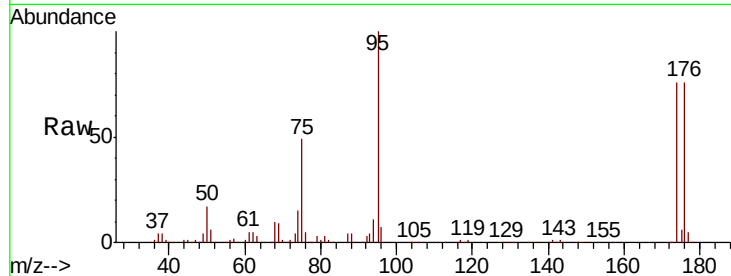
FA19-JPZ1781

Tot Ion: 75 Resp: 53776

Ion Ratio Lower Upper

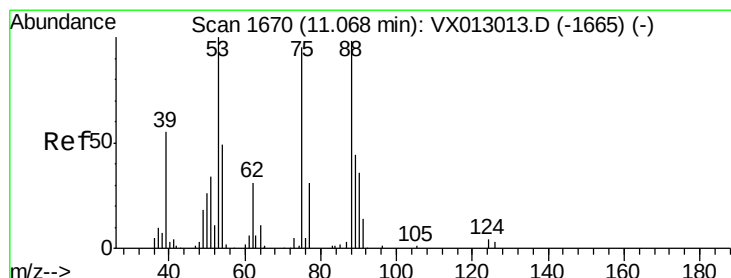
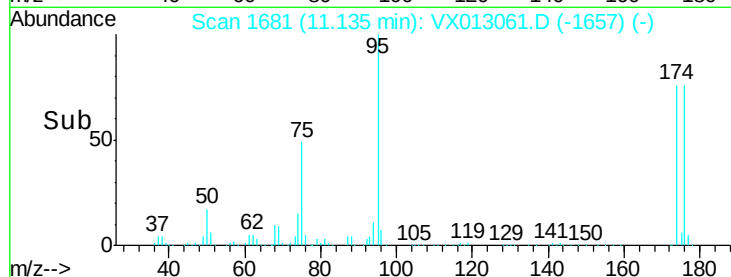
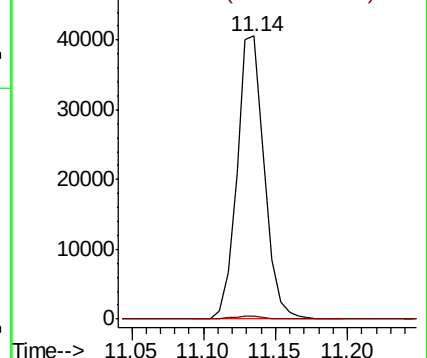
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 66.670 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013061.D

Acq: 14 Oct 2019 18:49

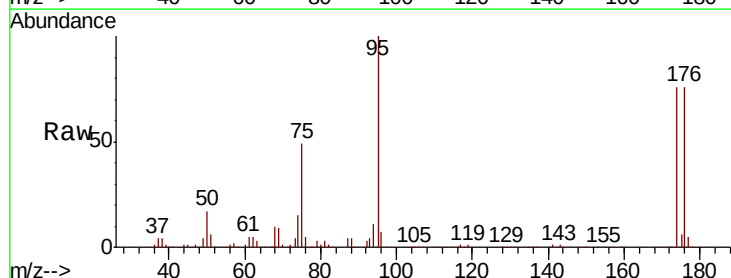
Tgt Ion: 75 Resp: 53776

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.2 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

