

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012753.D
 Acq On : 02 Oct 2019 12:06
 Operator : JC/SP
 Sample : K5154-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 03 01:30:15 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	161609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	83475	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	114936	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.48	113	86057	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	8.71	98	334750	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	11.14	95	105417	41.32	ug/l	0.00
Spiked Amount			Recovery	=	82.64%	

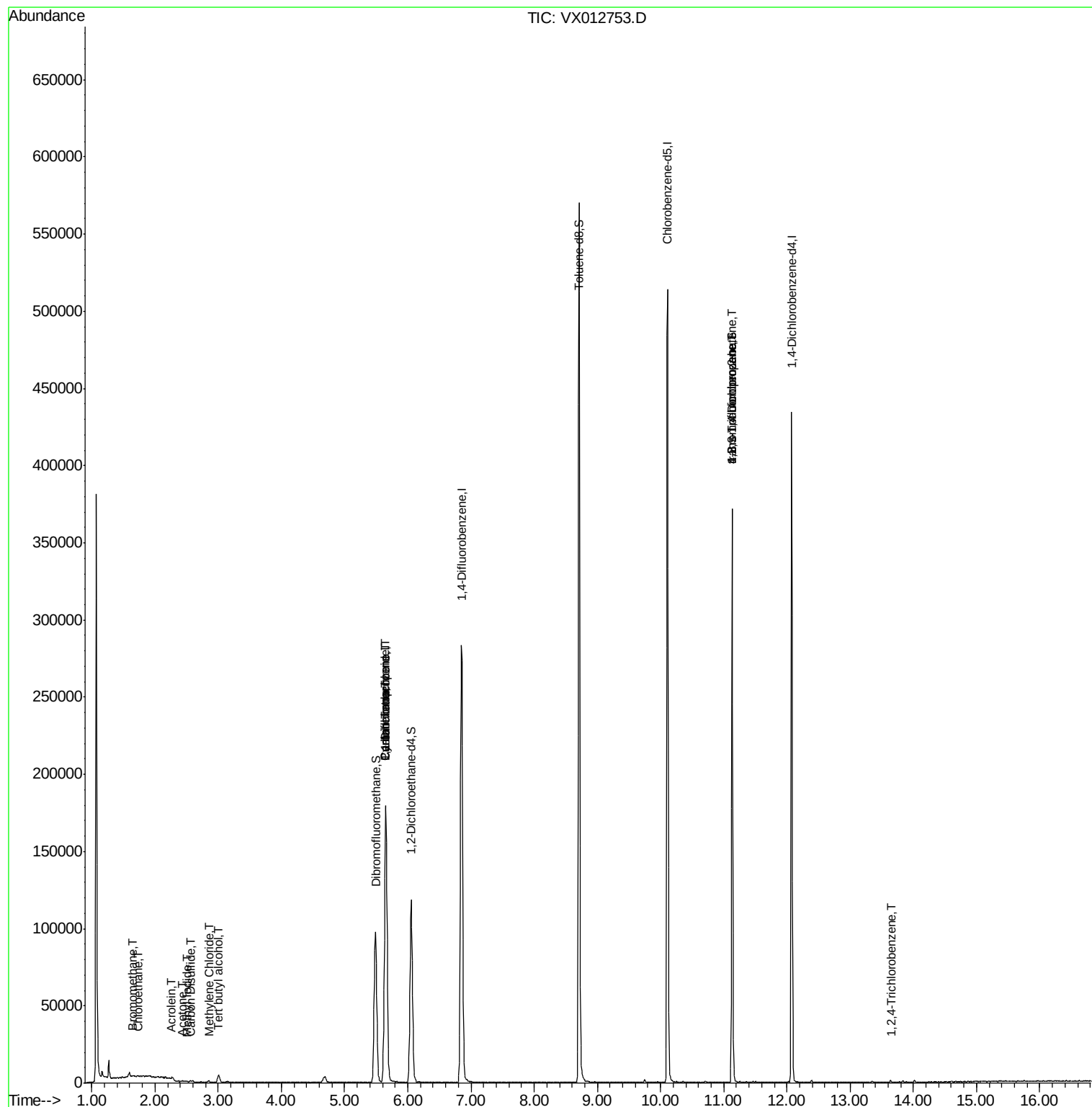
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	360	0.441	ug/l	82
6) Chloroethane	1.73	64	315	0.225	ug/l #	45
10) Methyl Iodide	2.50	142	473	5.181	ug/l #	91
11) Tert butyl alcohol	3.00	59	3296	5.607	ug/l #	72
13) Acrolein	2.27	56	75	10.453	ug/l #	1
16) Acetone	2.44	43	961	0.771	ug/l	100
17) Carbon Disulfide	2.56	76	1024	0.210	ug/l #	75
20) Methylene Chloride	2.85	84	437	0.207	ug/l #	84
31) Cyclohexane	5.65	56	3773	1.152	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13819	5.067	ug/l #	51
38) Carbon Tetrachloride	5.65	117	17360	6.266	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	53720	24.328	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	53720	69.720	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.65	180	395	0.234	ug/l #	78

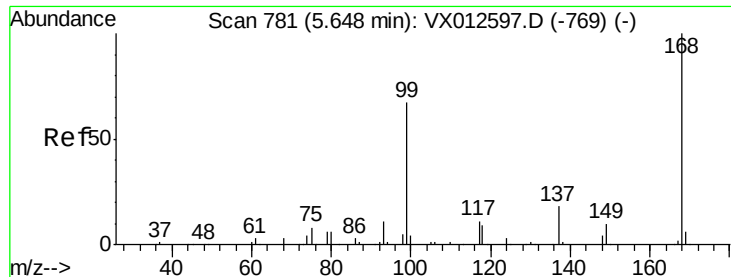
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
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# 781

Delta R.T. 0.00 min

Lab File: VX012753.D

Acq: 02 Oct 2019 12:06

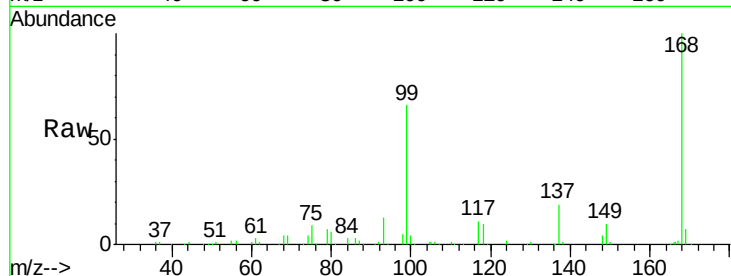
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 161609

Ion Ratio Lower Upper

168 100

99 65.5 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

50000

40000

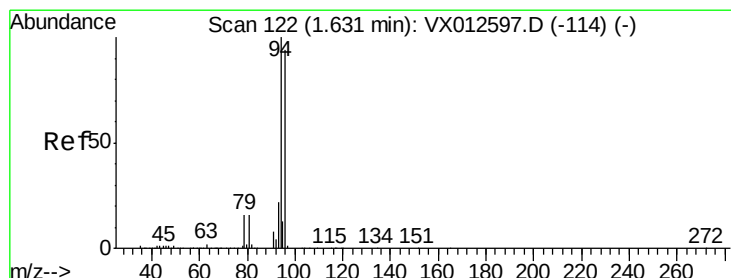
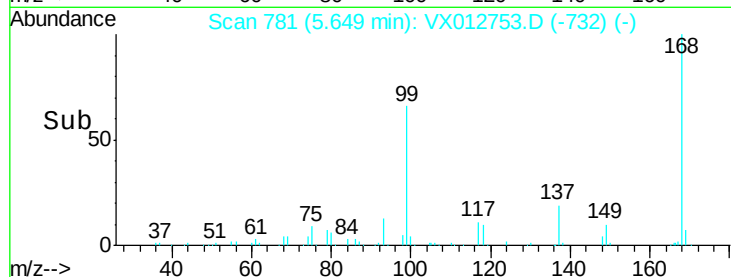
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.441 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012753.D

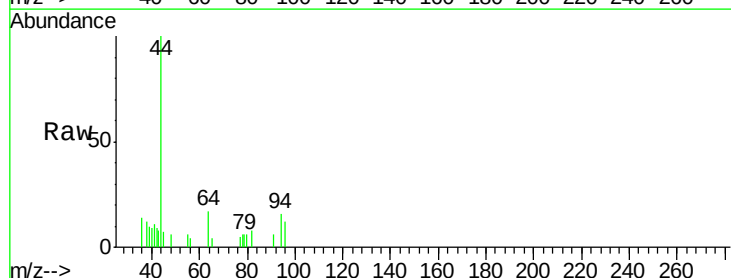
Acq: 02 Oct 2019 12:06

Tgt Ion: 94 Resp: 360

Ion Ratio Lower Upper

94 100

96 73.8 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

300

250

200

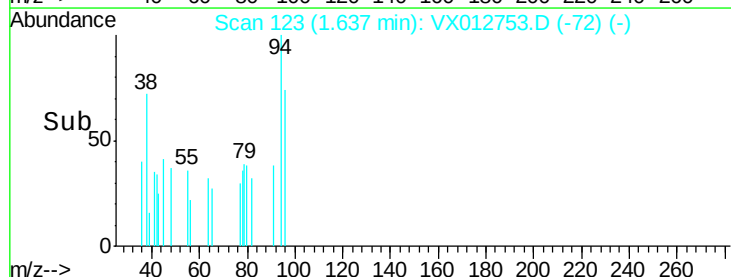
150

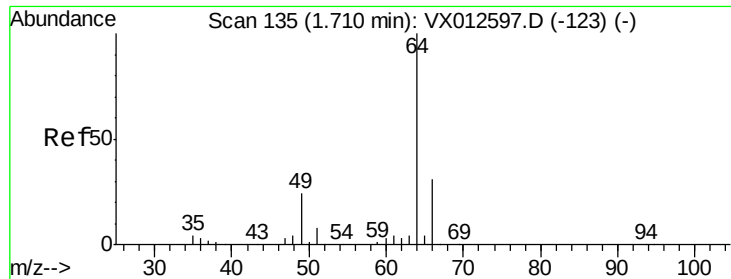
100

50

0

Time--> 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.225 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012753.D

Acq: 02 Oct 2019 12:06

Instrument :

MSVOA_X

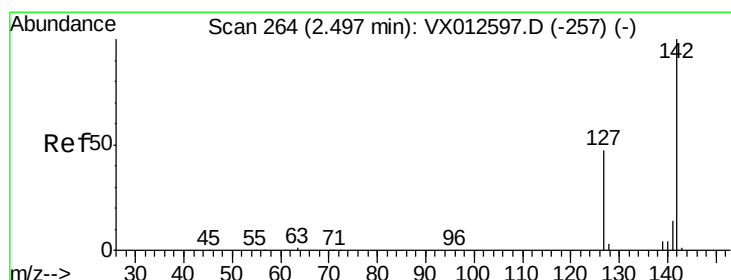
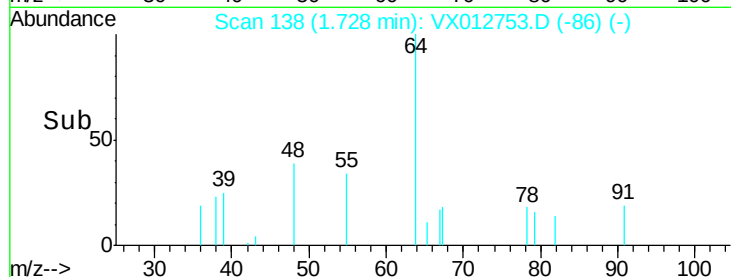
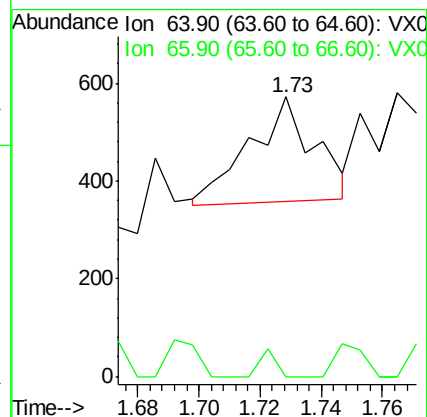
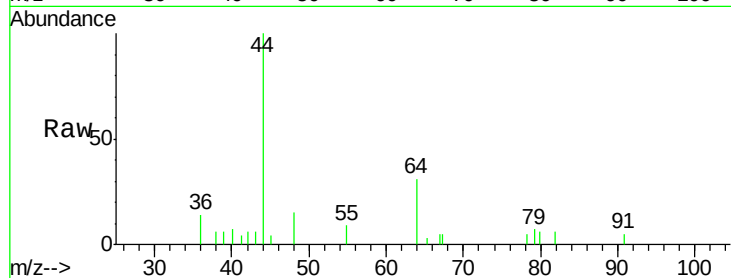
ClientSampleId :

Tot Ion: 64 Resp: 315

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



#10

Methyl Iodide

Concen: 5.181 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012753.D

Acq: 02 Oct 2019 12:06

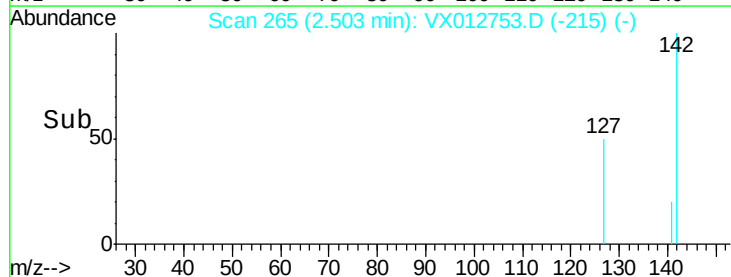
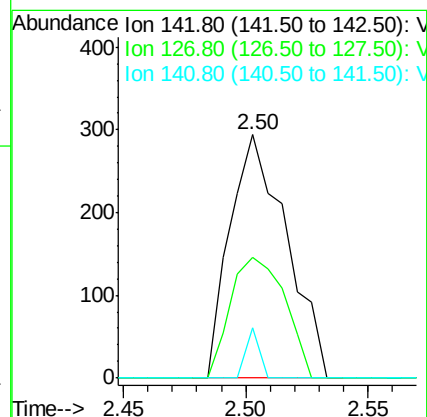
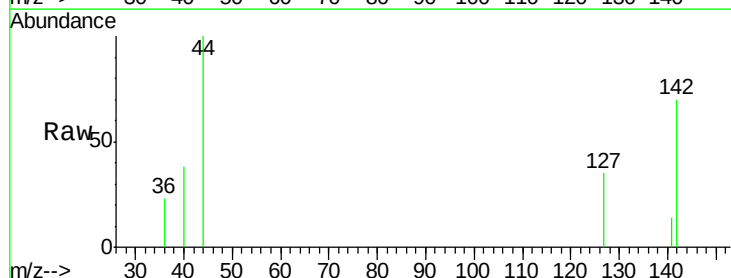
Tgt Ion: 142 Resp: 473

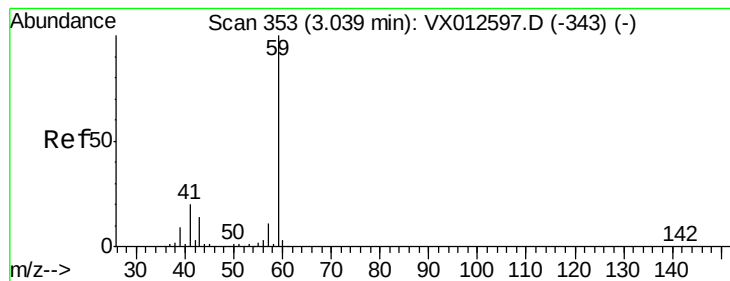
Ion Ratio Lower Upper

142 100

127 47.8 40.8 61.2

141 4.7 12.1 18.1#



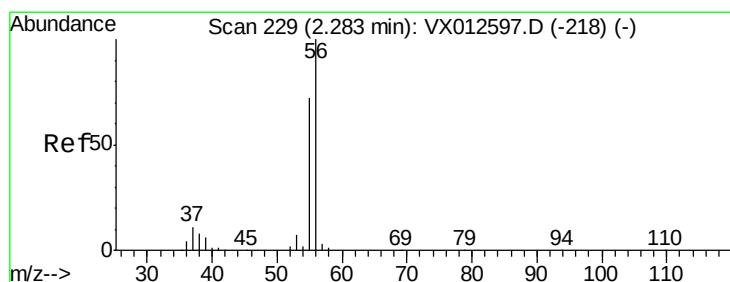
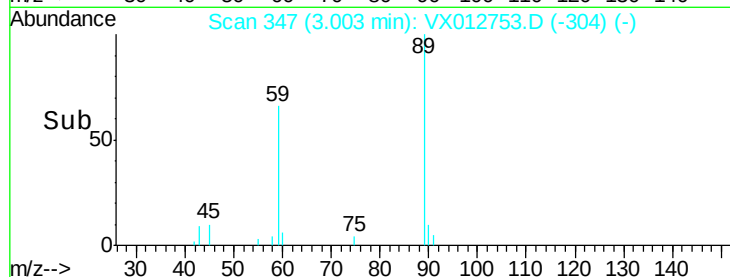
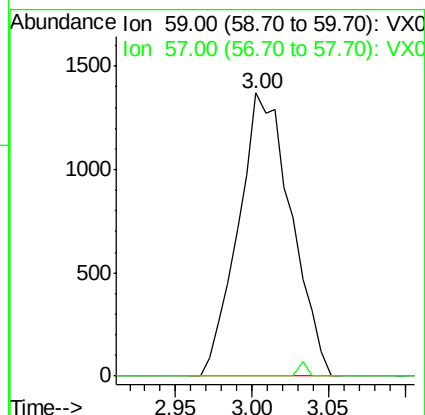
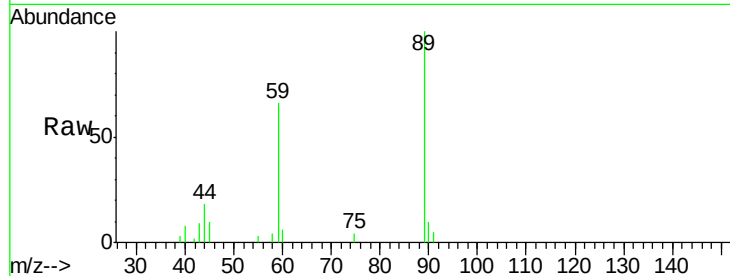


#11

Tert butyl alcohol
Concen: 5.607 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX012753.D
Acq: 02 Oct 2019 12:06

Instrument :
MSVOA_X
ClientSampled :

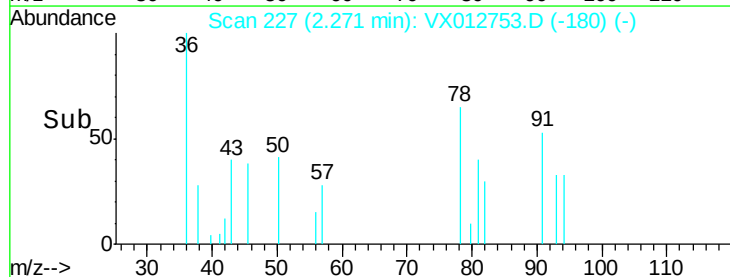
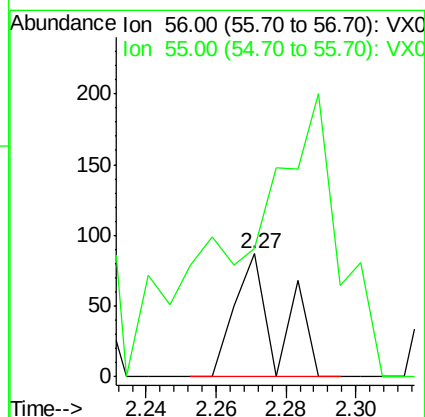
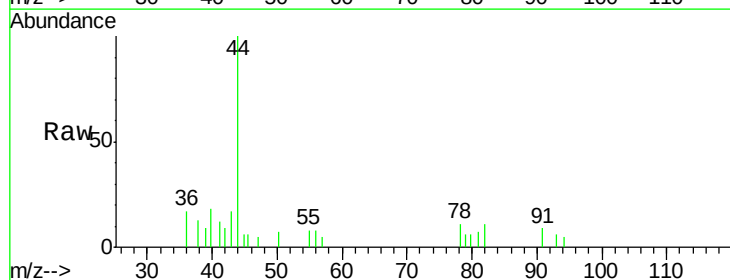
Tot Ion: 59 Resp: 3296
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

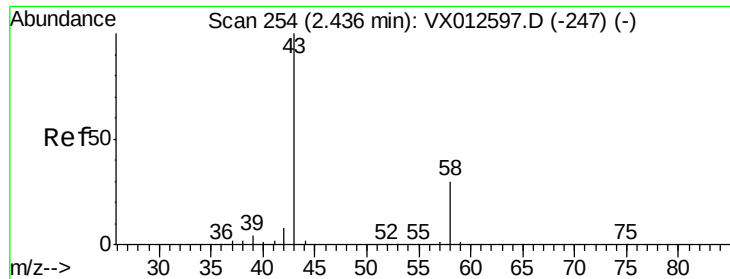


#13

Acrolein
Concen: 10.453 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX012753.D
Acq: 02 Oct 2019 12:06

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 482.7 55.8 83.8#

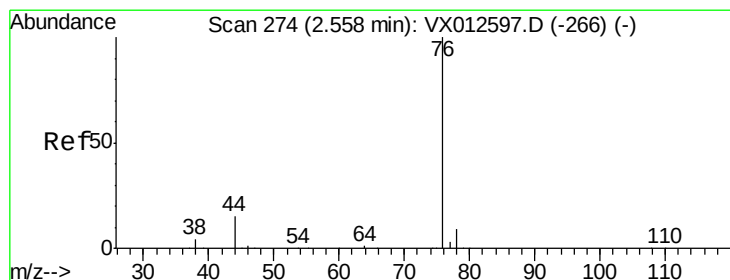
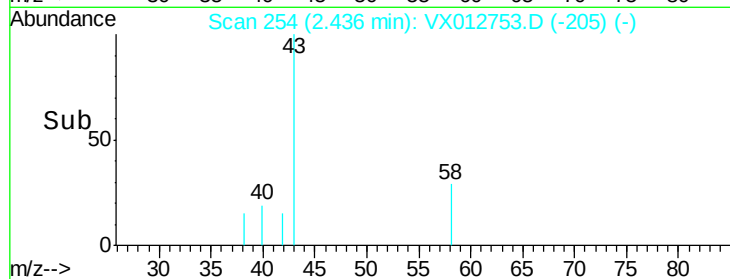
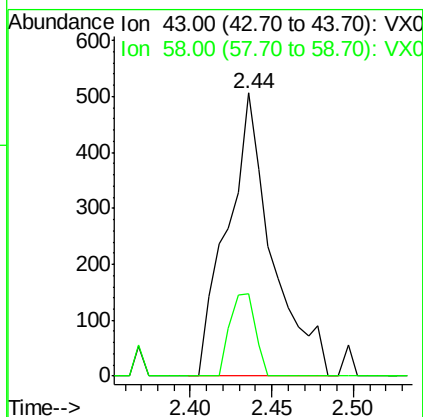
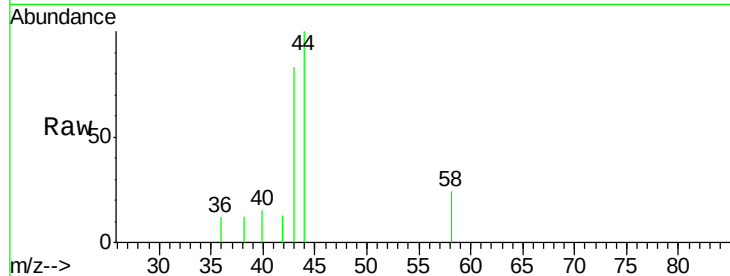




#16
Acetone
Concen: 0.771 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX012753.D
Acq: 02 Oct 2019 12:06

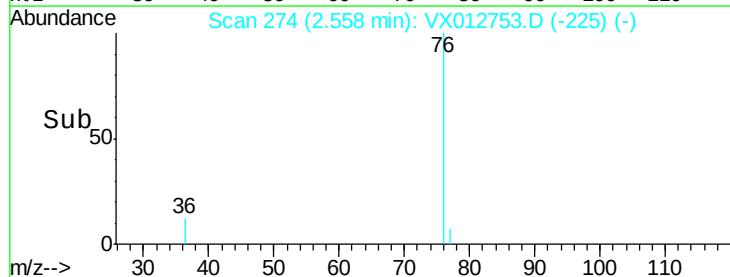
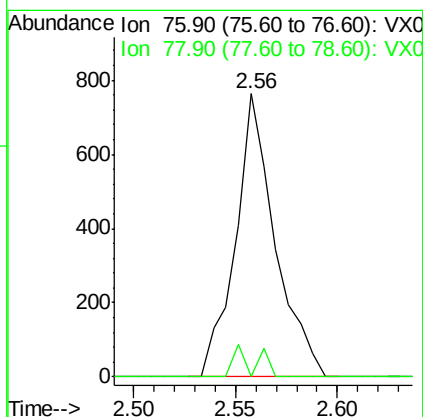
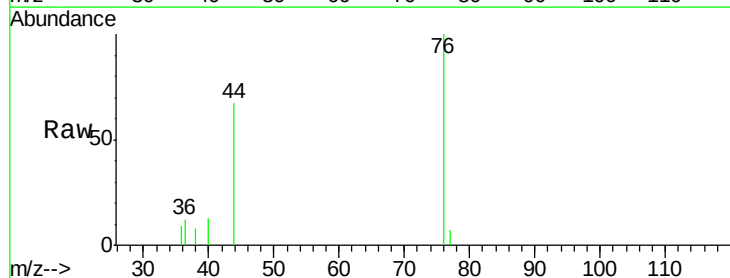
Instrument :
MSVOA_X
ClientSampleId :

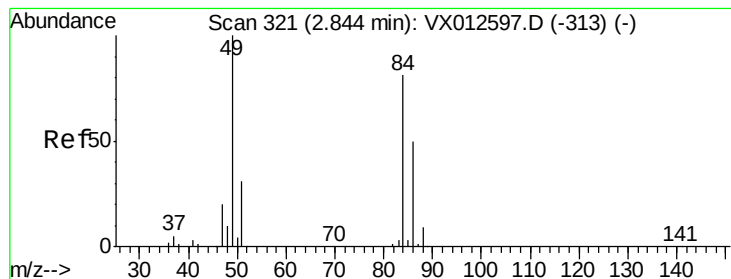
Tot Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
58 29.1 23.3 34.9



#17
Carbon Disulfide
Concen: 0.210 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012753.D
Acq: 02 Oct 2019 12:06

Tgt Ion: 76 Resp: 1024
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#





#20

Methylene Chloride

Concen: 0.207 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012753.D

Acq: 02 Oct 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 437

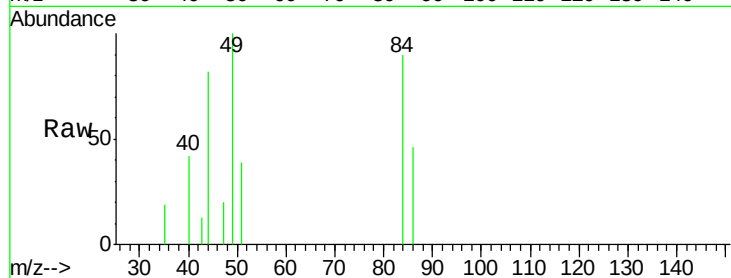
Ion Ratio Lower Upper

84 100

49 110.9 106.8 160.2

51 42.8 32.3 48.5

86 50.7 51.3 76.9#

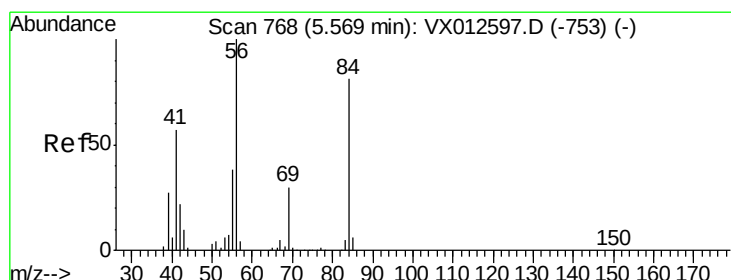
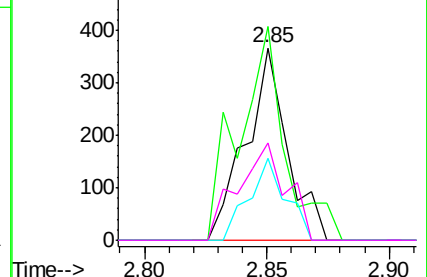
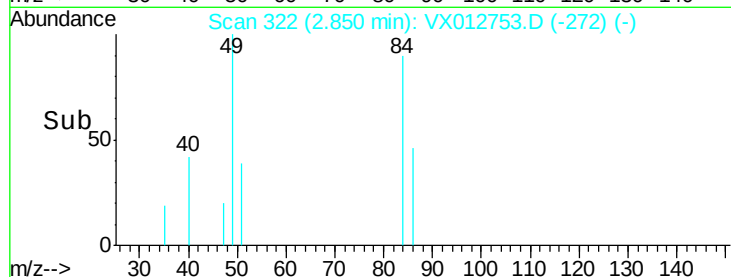


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#31

Cyclohexane

Concen: 1.152 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012753.D

Acq: 02 Oct 2019 12:06

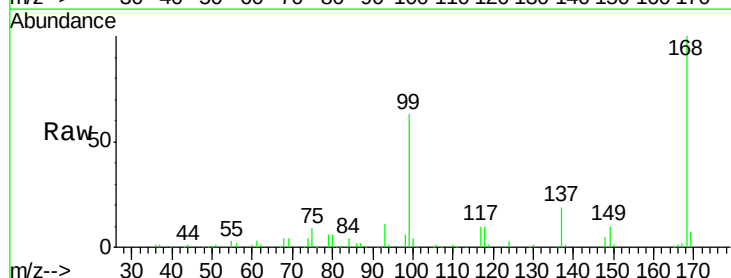
Tgt Ion: 56 Resp: 3773

Ion Ratio Lower Upper

56 100

69 169.4 25.0 37.6#

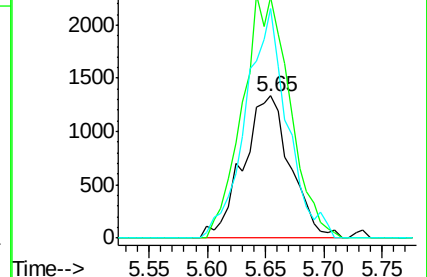
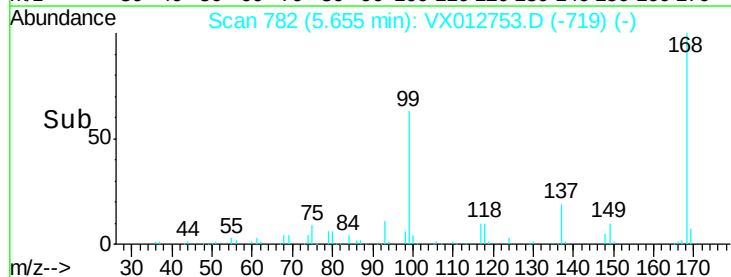
84 161.5 66.4 99.6#

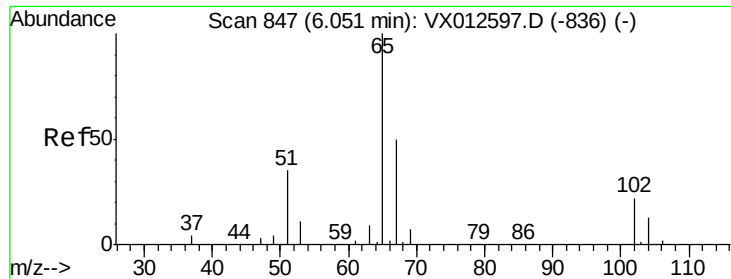


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

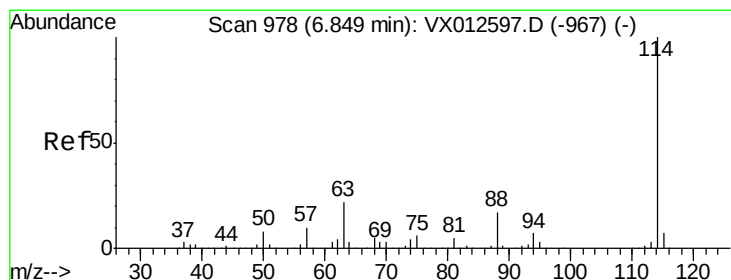
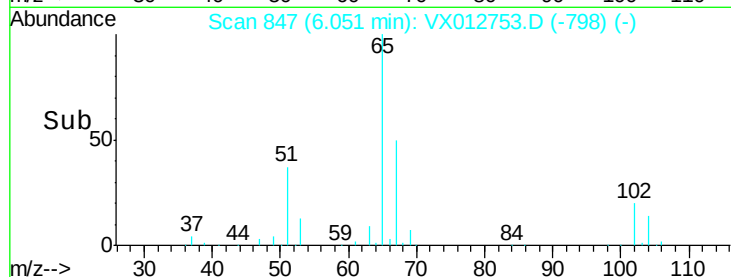
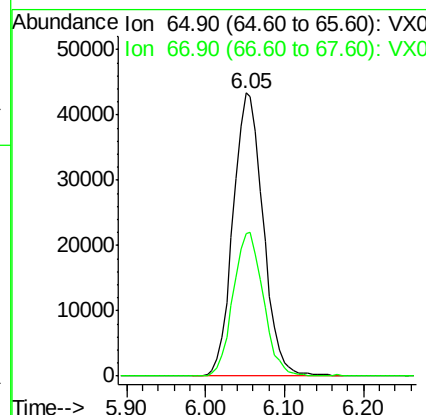
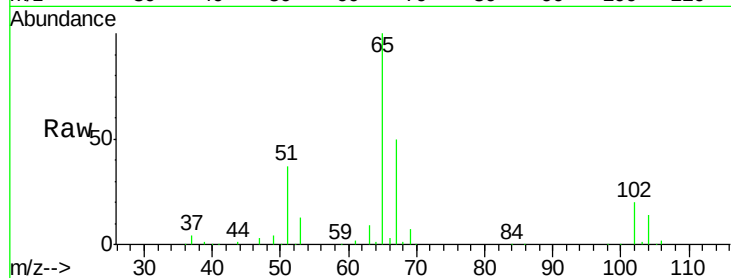




#33
 1,2-Dichloroethane-d4
 Concen: 48.840 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012753.D
 Acq: 02 Oct 2019 12:06

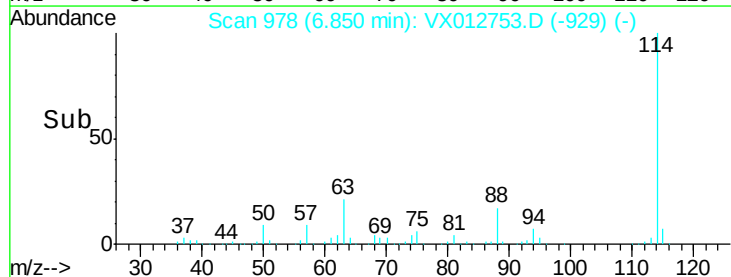
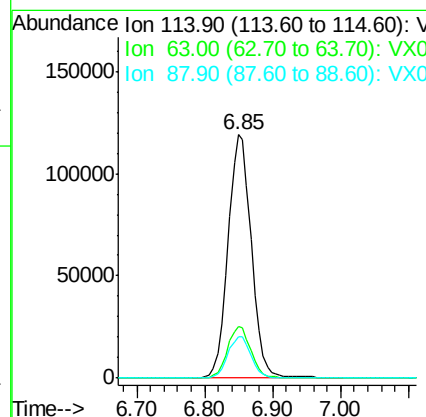
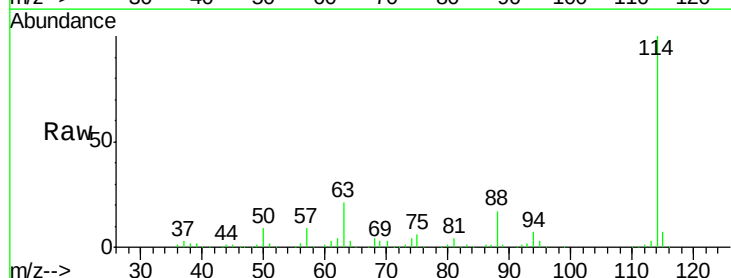
Instrument :
 MSVOA_X
 ClientSampleId :

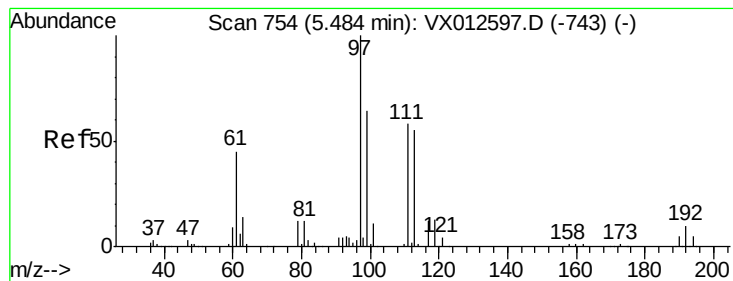
Tot Ion: 65 Resp: 114936
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012753.D
 Acq: 02 Oct 2019 12:06

Tgt Ion: 114 Resp: 282936
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.072 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012753.D

Acq: 02 Oct 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

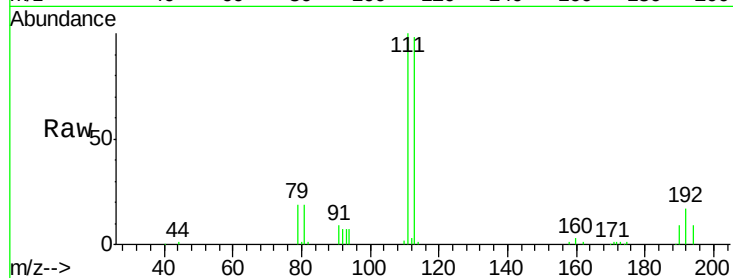
Tot Ion:113 Resp: 86057

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

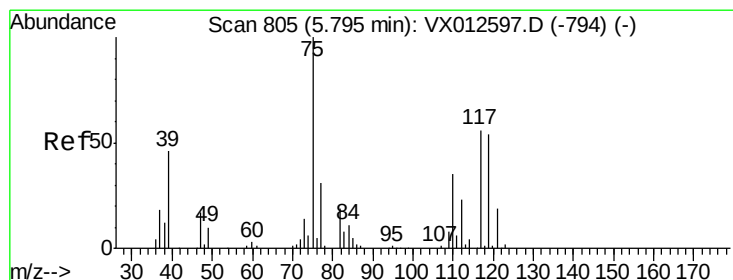
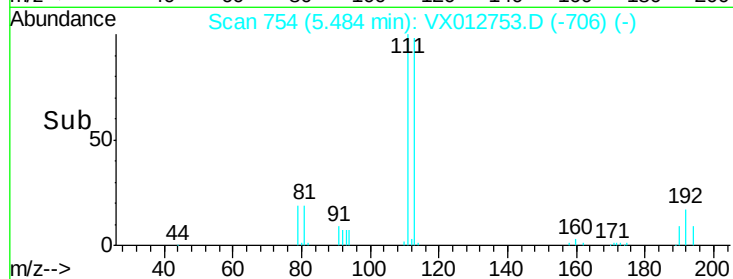
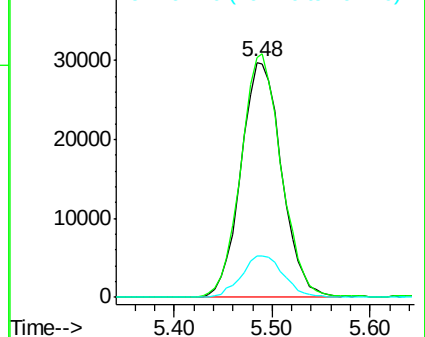
192 18.4 14.4 21.6



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: 5.067 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012753.D

Acq: 02 Oct 2019 12:06

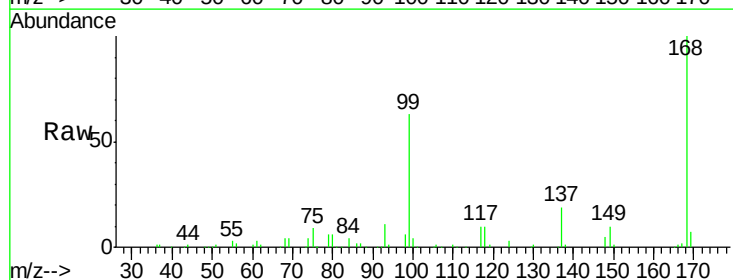
Tgt Ion: 75 Resp: 13819

Ion Ratio Lower Upper

75 100

110 8.4 16.7 50.0#

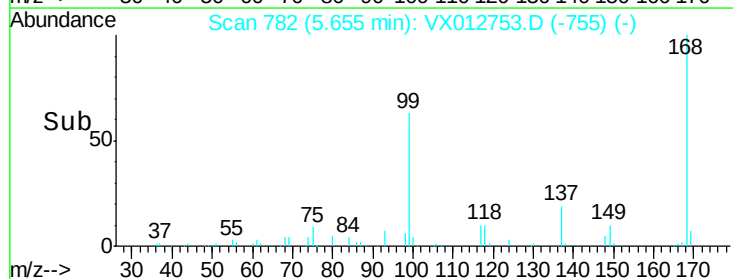
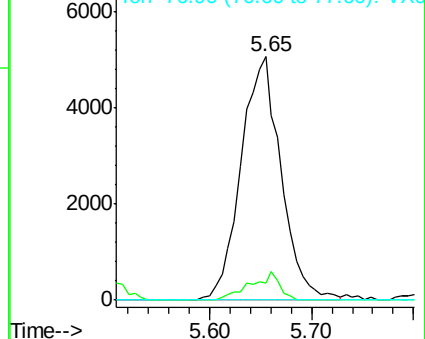
77 0.0 24.2 36.2#

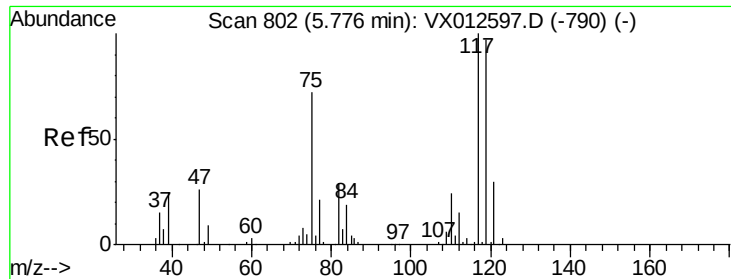


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

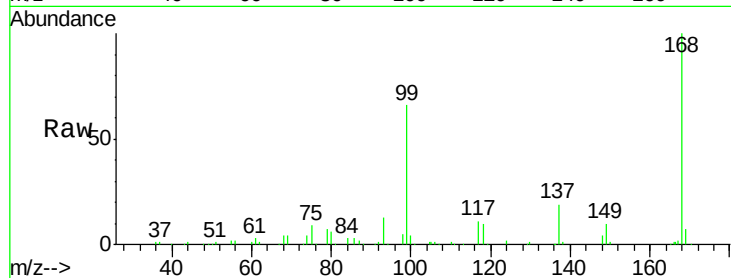




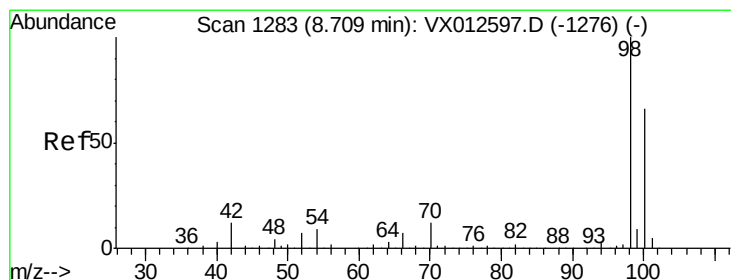
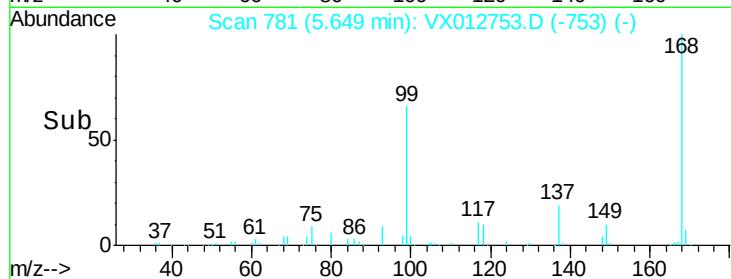
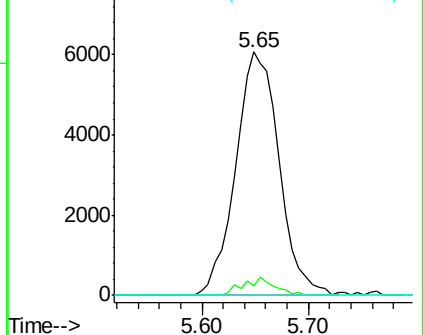
#38
Carbon Tetrachloride
Concen: 6.266 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012753.D
Acq: 02 Oct 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 17360
Ion Ratio Lower Upper
117 100
119 4.0 75.7 113.5#
121 0.0 24.2 36.4#

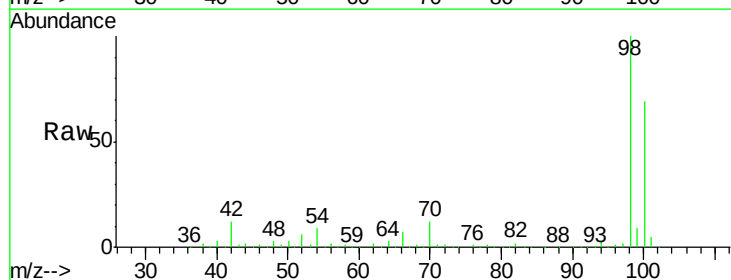


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

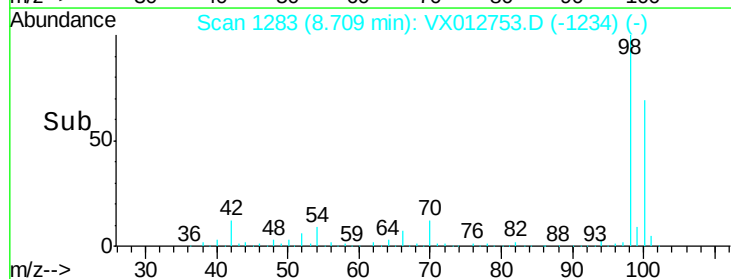
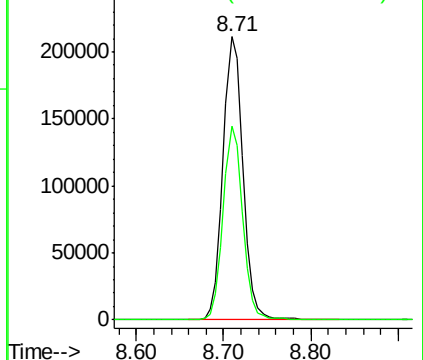


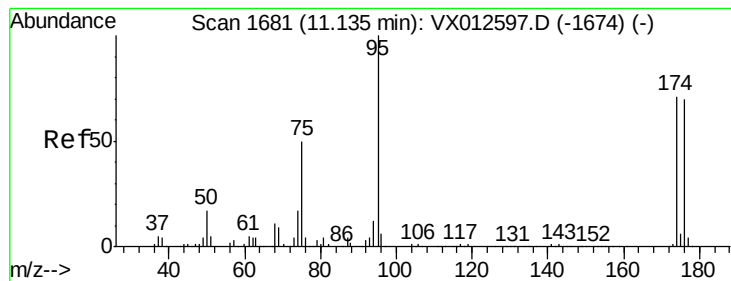
#50
Toluene-d8
Concen: 51.587 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012753.D
Acq: 02 Oct 2019 12:06

Tgt Ion: 98 Resp: 334750
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 41.315 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012753.D

Acq: 02 Oct 2019 12:06

Instrument :

MSVOA_X

ClientSampled :

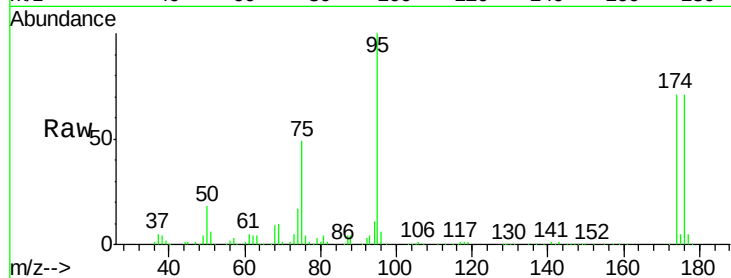
Tot Ion: 95 Resp: 105417

Ion Ratio Lower Upper

95 100

174 70.3 0.0 140.0

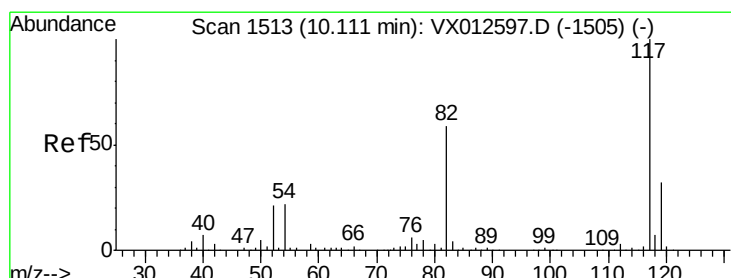
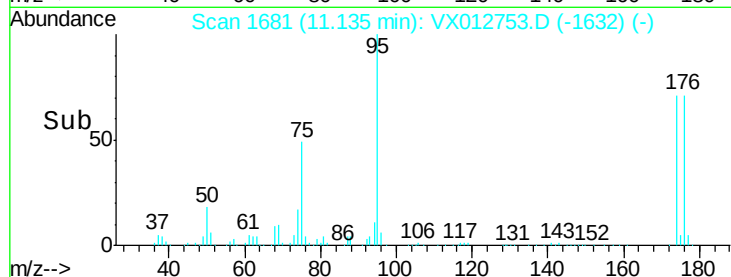
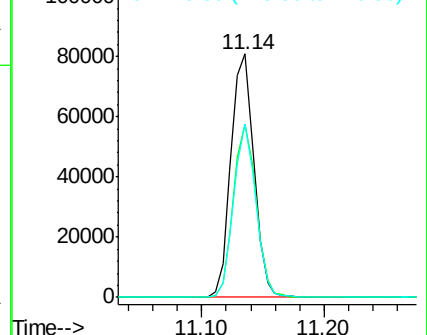
176 68.6 0.0 135.4



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: VX012753.D

Acq: 02 Oct 2019 12:06

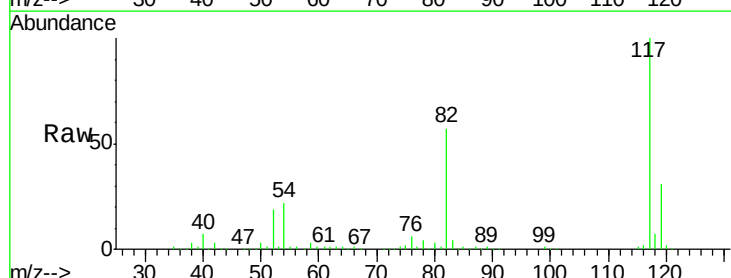
Tgt Ion: 117 Resp: 234349

Ion Ratio Lower Upper

117 100

82 57.5 45.9 68.9

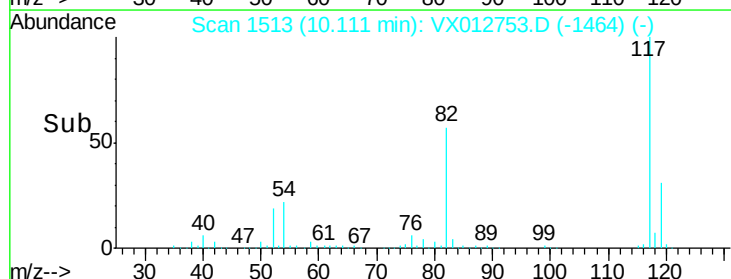
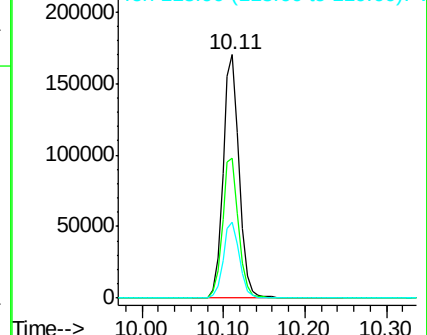
119 31.4 25.3 37.9

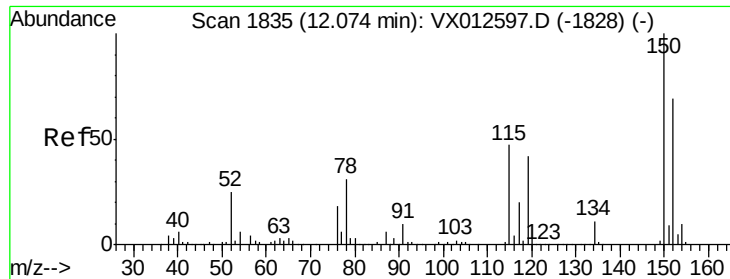


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012753.D

Acq: 02 Oct 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

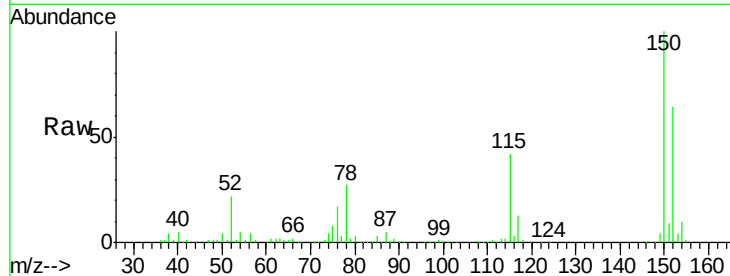
Tot Ion:152 Resp: 83475

Ion Ratio Lower Upper

152 100

115 64.4 44.1 132.3

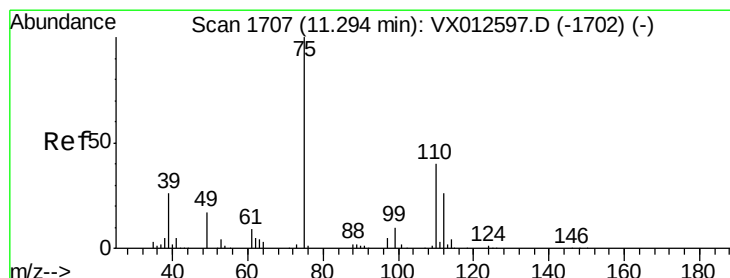
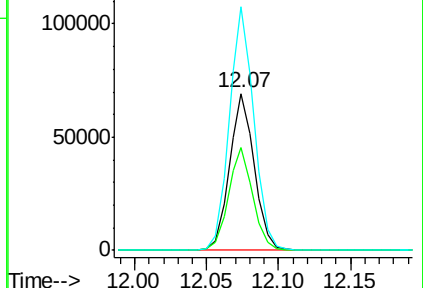
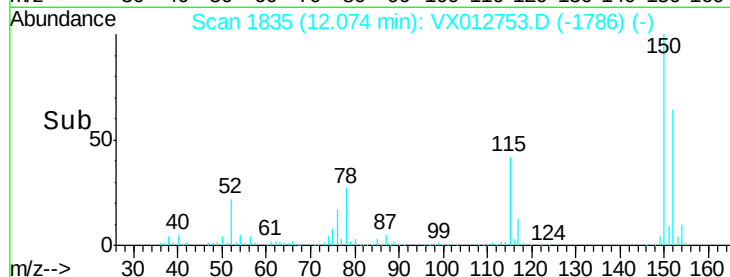
150 154.7 0.0 343.8



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: 24.328 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012753.D

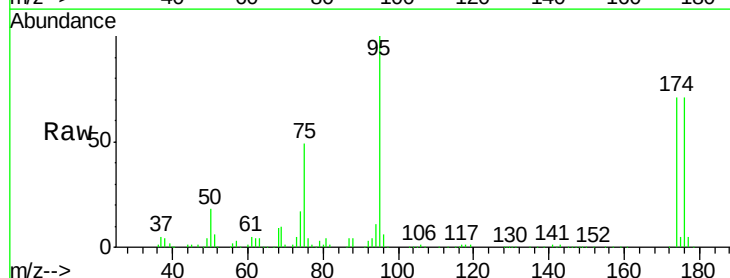
Acq: 02 Oct 2019 12:06

Tgt Ion: 75 Resp: 53720

Ion Ratio Lower Upper

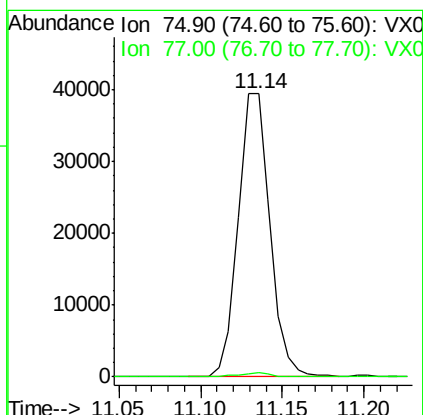
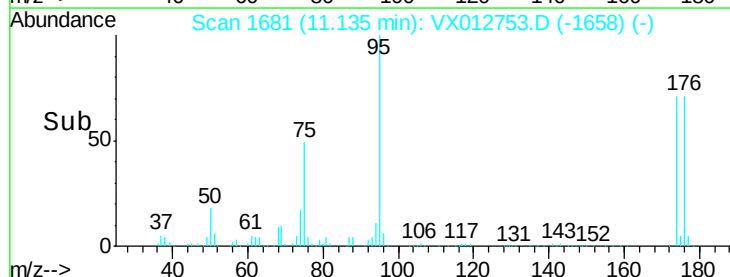
75 100

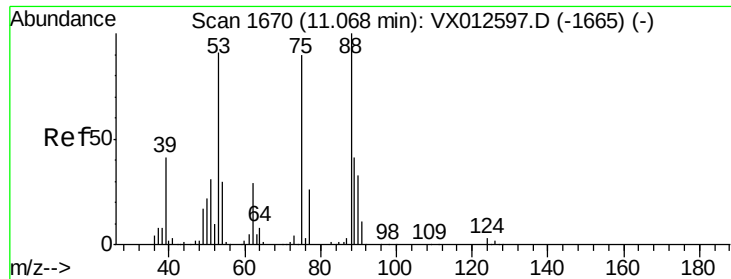
77 1.4 19.7 59.0#



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: 69.720 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012753.D

Acq: 02 Oct 2019 12:06

Instrument :

MSVOA_X

ClientSampled :

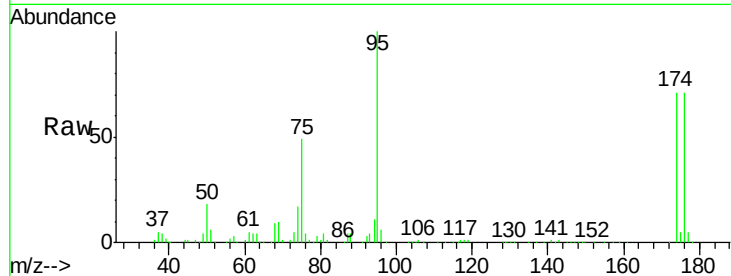
Tot Ion: 75 Resp: 53720

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

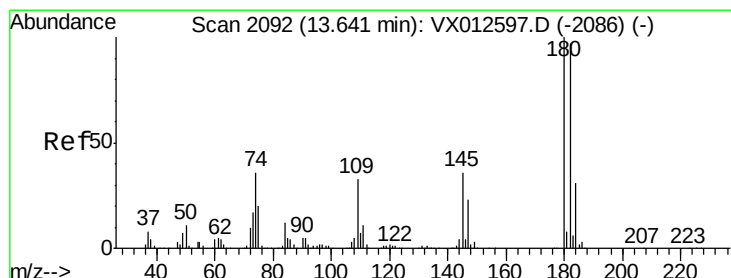
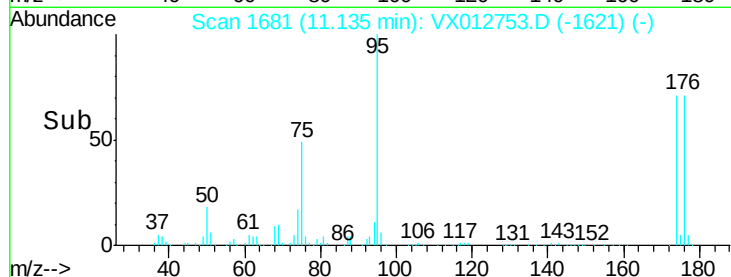
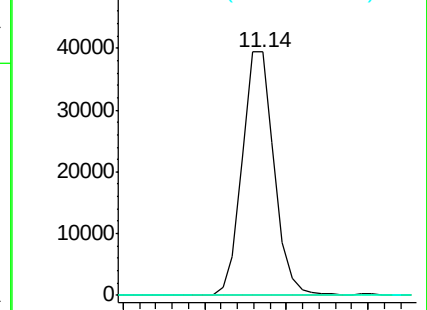
89 0.0 36.3 54.5#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.234 ug/l

RT: 13.65 min Scan# 2094

Delta R.T. 0.01 min

Lab File: VX012753.D

Acq: 02 Oct 2019 12:06

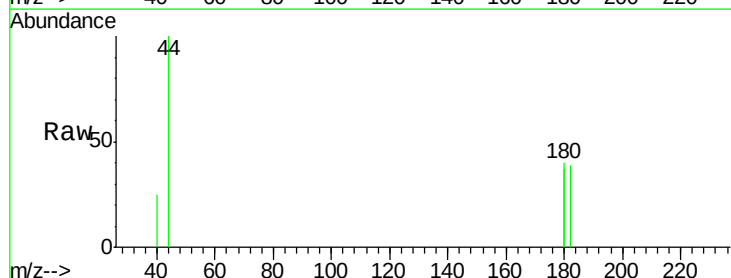
Tgt Ion:180 Resp: 395

Ion Ratio Lower Upper

180 100

182 108.6 47.0 141.0

145 9.9 16.8 50.4#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

