

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012302.D
 Acq On : 11 Sep 2019 15:09
 Operator : SY/SP
 Sample : K4643-11
 Misc : 5.72g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-C1-(0)

Quant Time: Sep 12 05:39:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	161944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282176	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104358	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	110611	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	5.48	113	83552	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
50) Toluene-d8	8.71	98	333908	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	11.14	95	128565	43.71	ug/l	0.00
Spiked Amount			Recovery	=	87.42%	

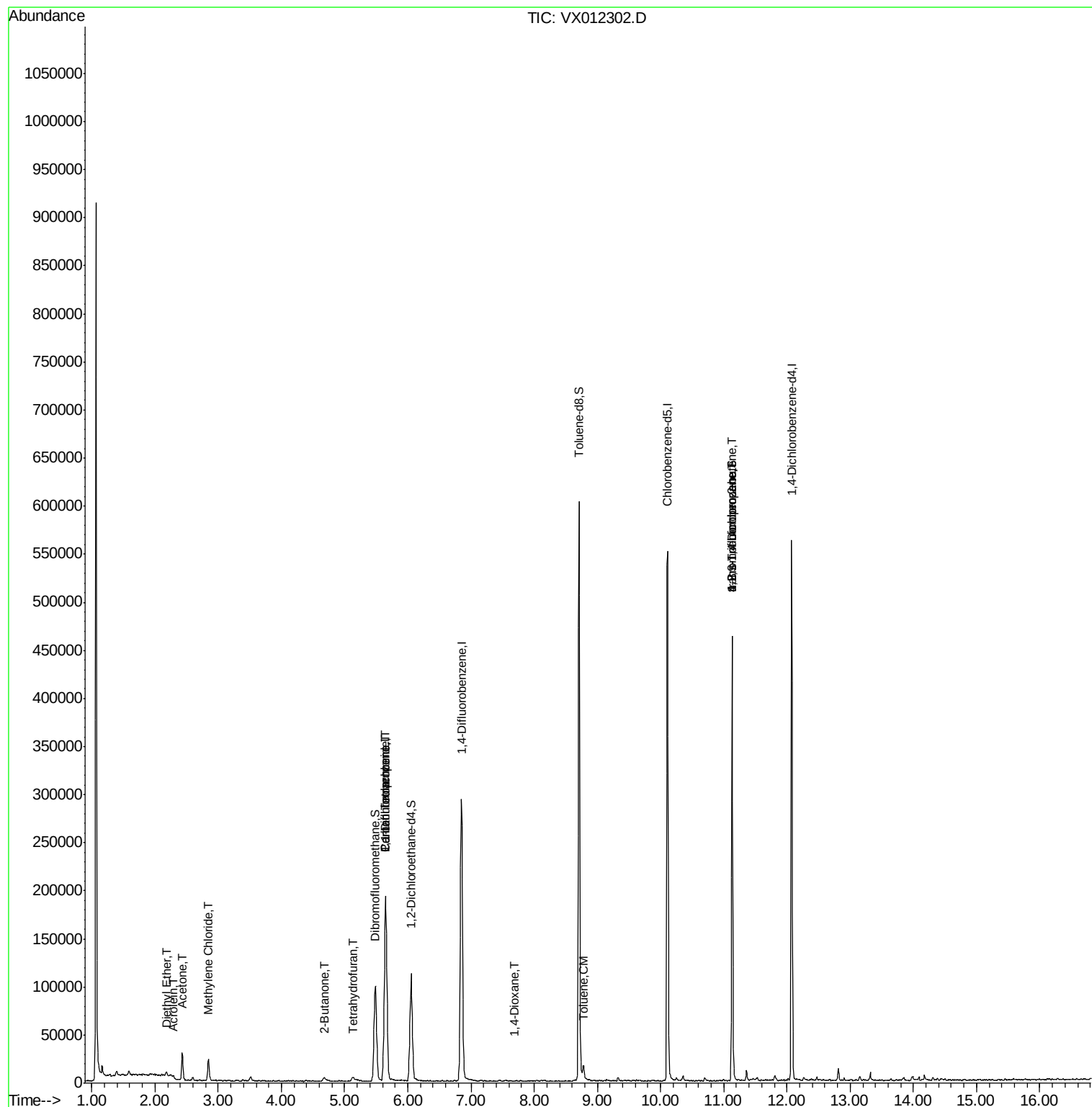
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	255	Below Cal	#	78
8) Diethyl Ether	2.17	74	1100	1.505	ug/l	78
11) Tert butyl alcohol	3.02	59	1025	Below Cal	#	91
13) Acrolein	2.28	56	233	1.947	ug/l #	12
16) Acetone	2.43	43	28981	53.470	ug/l	94
20) Methylene Chloride	2.84	84	9594	3.208	ug/l	98
25) 2-Butanone	4.68	43	3513	5.070	ug/l #	89
29) Tetrahydrofuran	5.13	42	3984	10.657	ug/l	94
36) 1,1-Dichloropropene	5.65	75	14967	7.274	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19020	7.879	ug/l #	16
49) 1,4-Dioxane	7.68	88	27	1.559	ug/l #	1
52) Toluene	8.78	92	4695	1.141	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	67659	50.468	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	67659	151.213	ug/l #	6

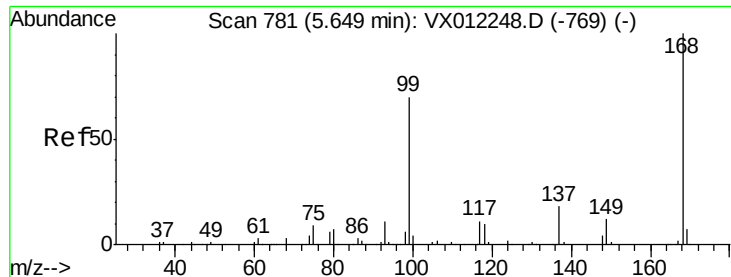
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012302.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

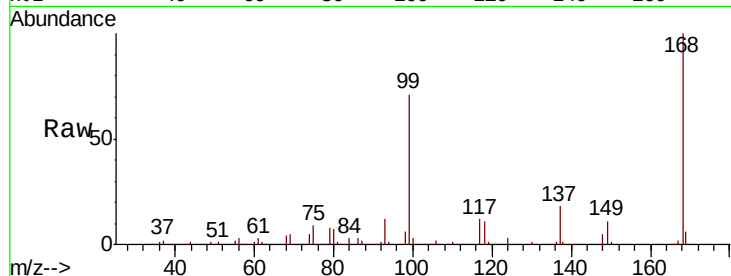
T11-C1-(0)

Tgt Ion:168 Resp: 161944

Ion Ratio Lower Upper

168 100

99 70.5 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

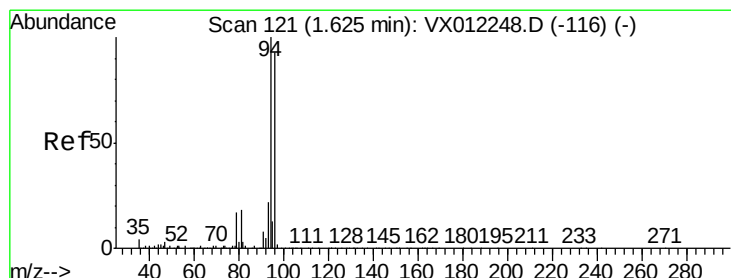
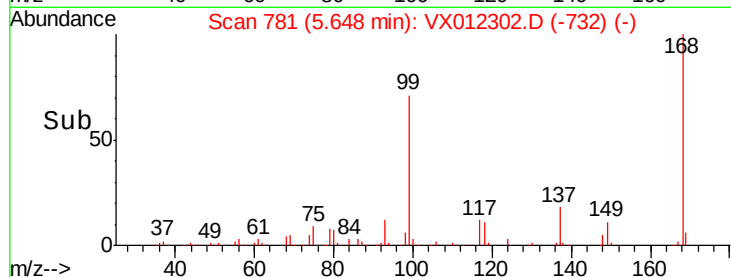
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012302.D

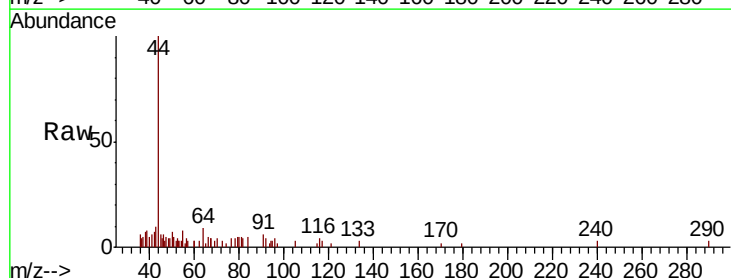
Acq: 11 Sep 2019 15:09

Tgt Ion: 94 Resp: 255

Ion Ratio Lower Upper

94 100

96 71.0 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

150

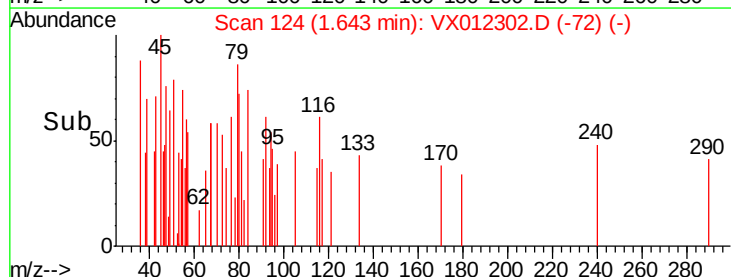
100

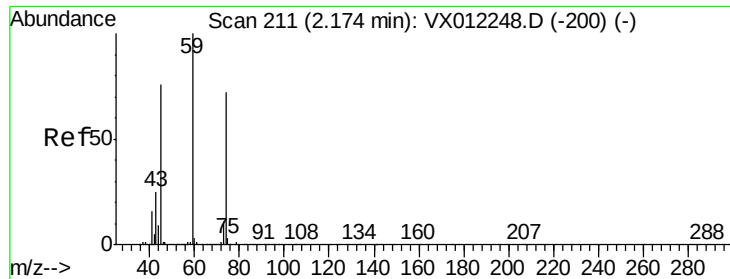
50

0

Time-->

1.60 1.62 1.64 1.66





#8

Diethyl Ether

Concen: 1.505 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012302.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

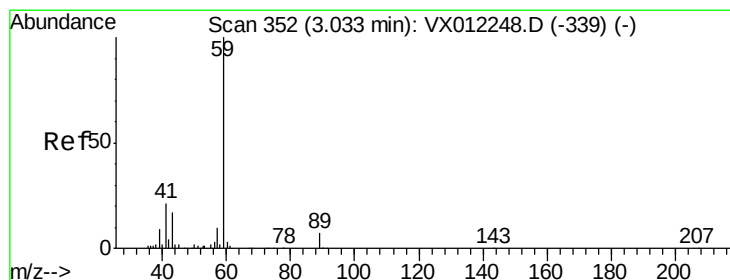
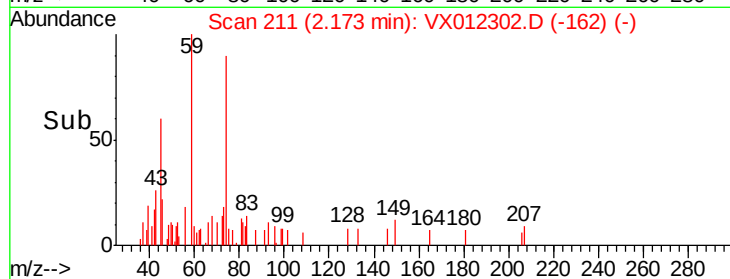
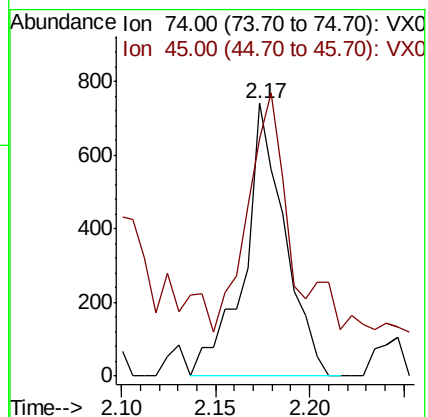
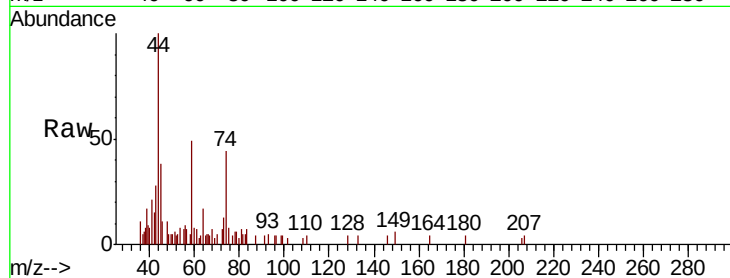
T11-C1-(0)

Tgt Ion: 74 Resp: 1100

Ion Ratio Lower Upper

74 100

45 80.7 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012302.D

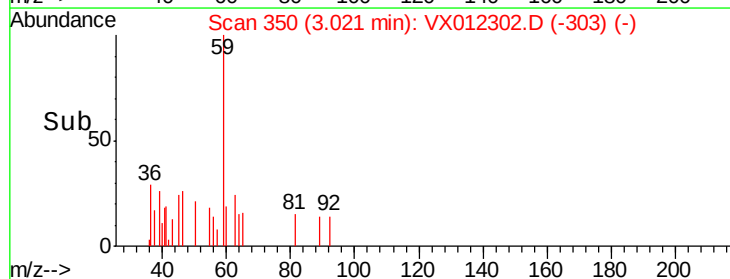
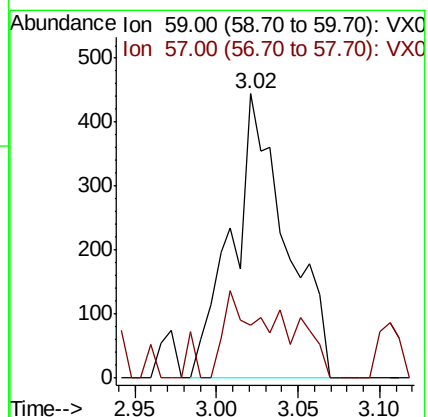
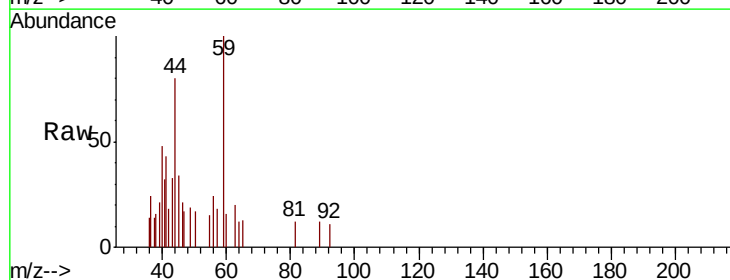
Acq: 11 Sep 2019 15:09

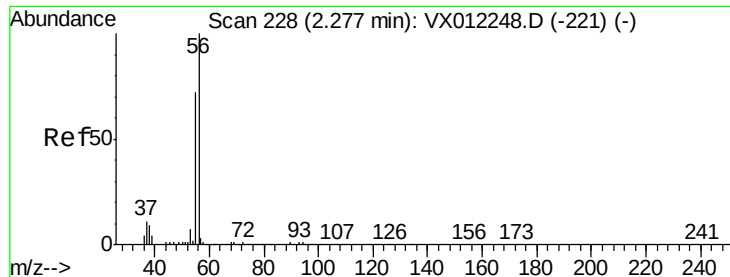
Tgt Ion: 59 Resp: 1025

Ion Ratio Lower Upper

59 100

57 13.2 7.8 11.6#





#13

Acrolein

Concen: 1.947 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012302.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

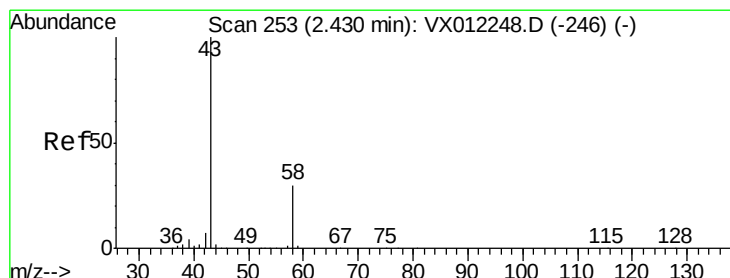
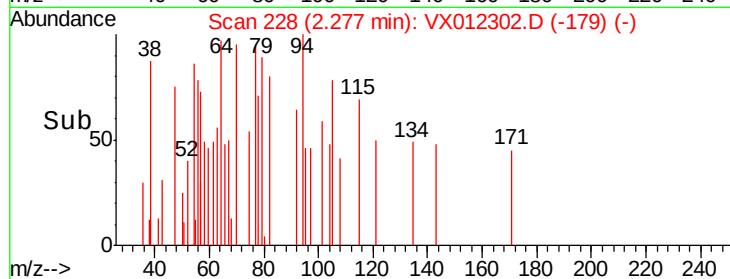
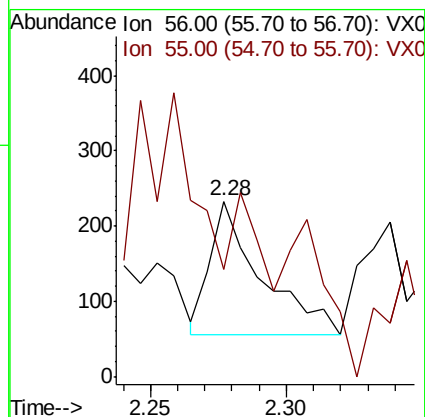
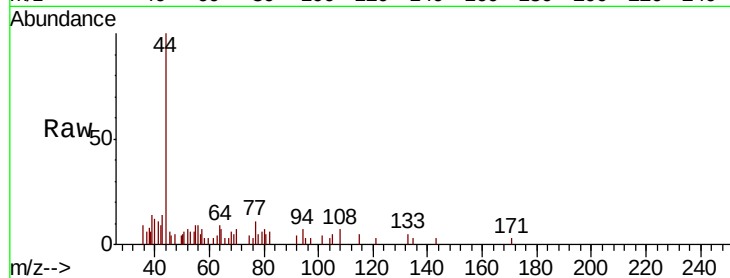
T11-C1-(0)

Tgt Ion: 56 Resp: 233

Ion Ratio Lower Upper

56 100

55 0.0 59.8 89.6#



#16

Acetone

Concen: 53.470 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012302.D

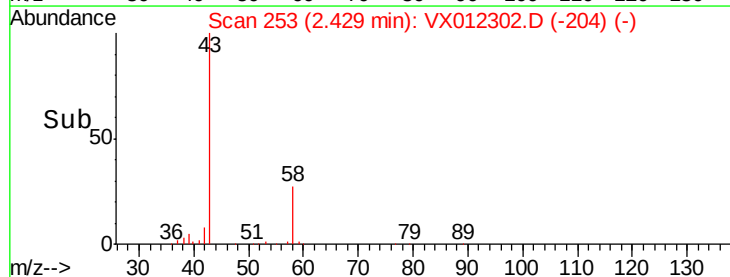
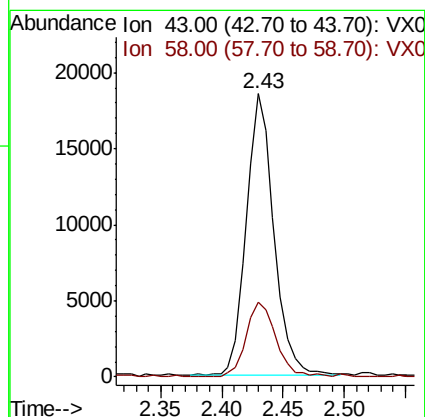
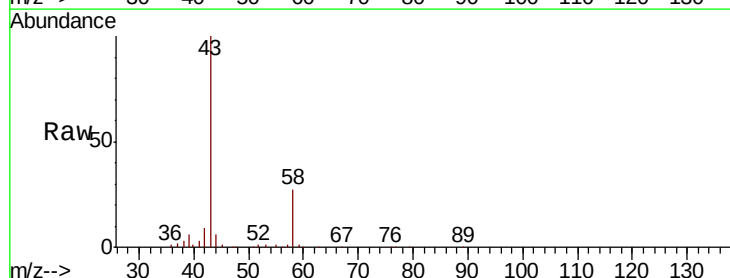
Acq: 11 Sep 2019 15:09

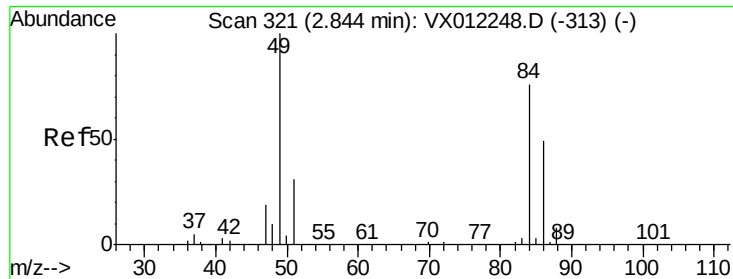
Tgt Ion: 43 Resp: 28981

Ion Ratio Lower Upper

43 100

58 26.4 23.6 35.4

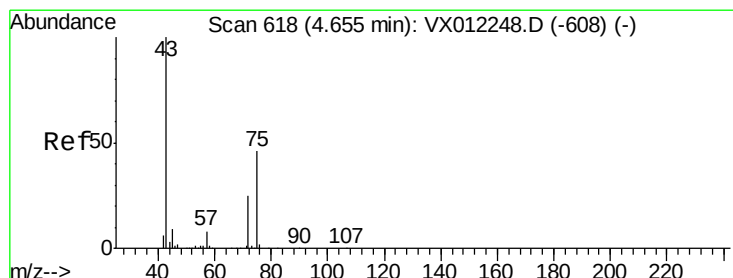
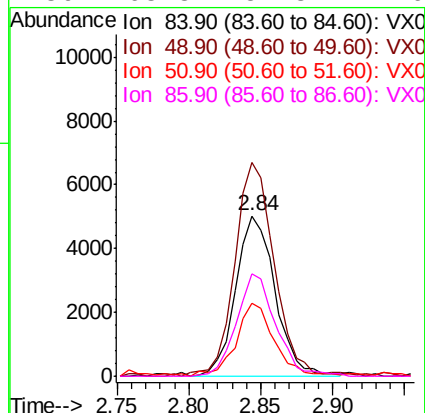
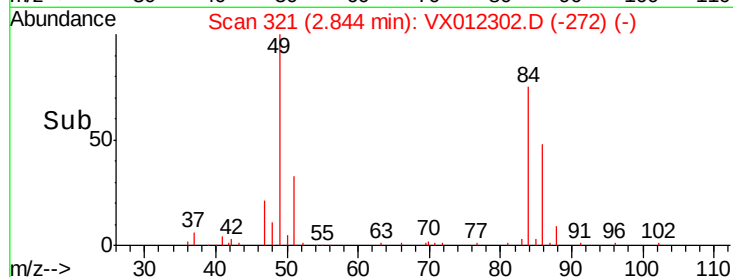
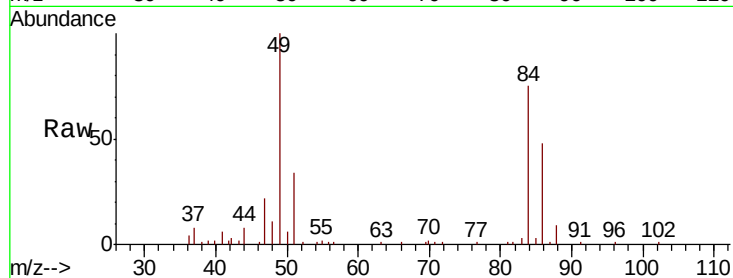




#20
Methylene Chloride
Concen: 3.208 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012302.D
Acq: 11 Sep 2019 15:09

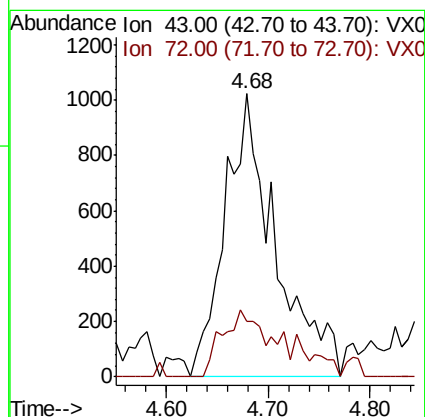
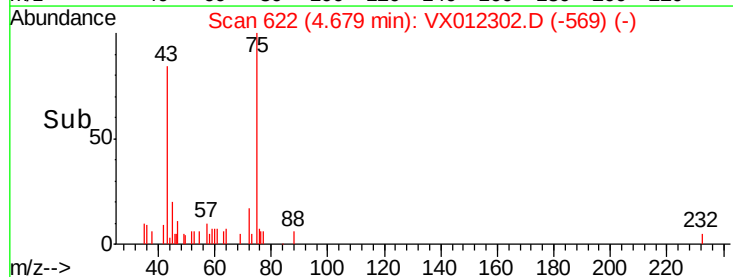
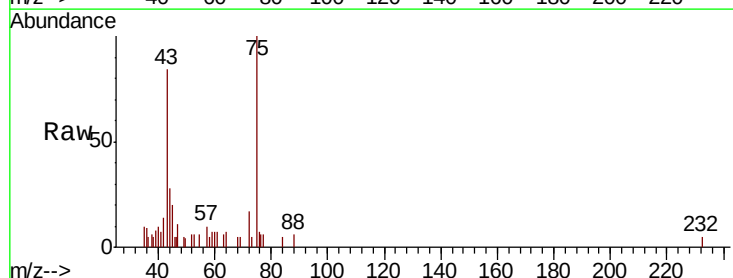
Instrument :
MSVOA_X
ClientSampleId :
T11-C1-(0)

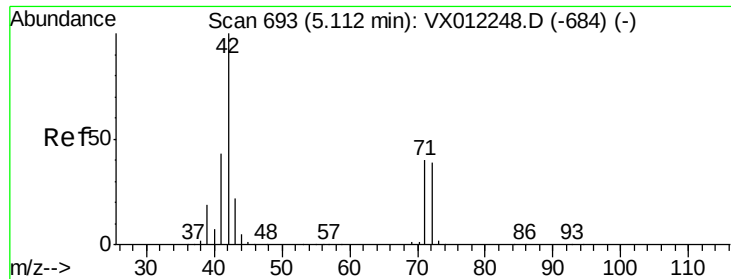
Tgt Ion: 84 Resp: 9594
Ion Ratio Lower Upper
84 100
49 130.8 105.0 157.6
51 45.6 32.6 48.8
86 63.8 51.8 77.6



#25
2-Butanone
Concen: 5.070 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX012302.D
Acq: 11 Sep 2019 15:09

Tgt Ion: 43 Resp: 3513
Ion Ratio Lower Upper
43 100
72 19.7 20.2 30.2#

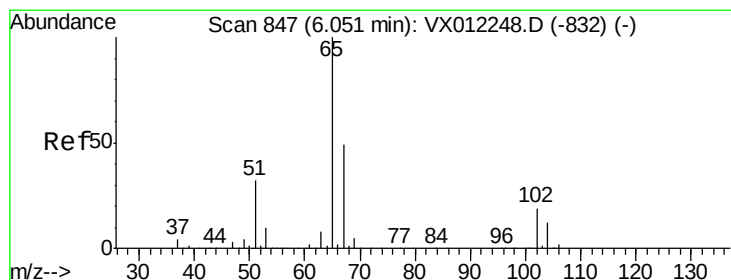
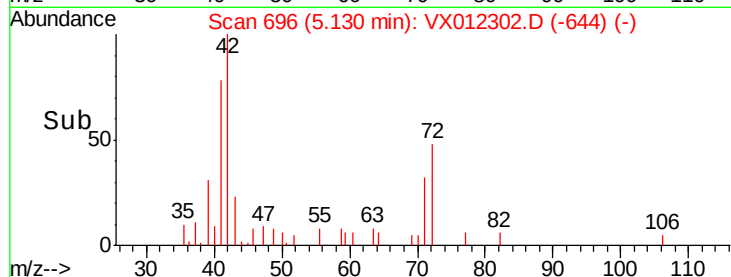
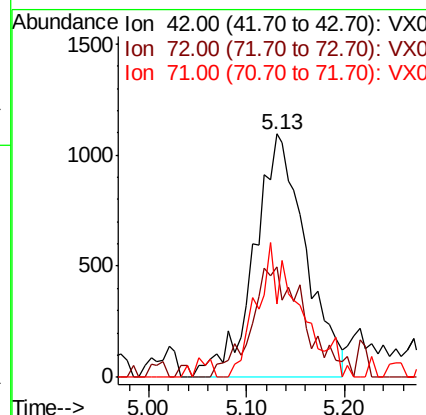
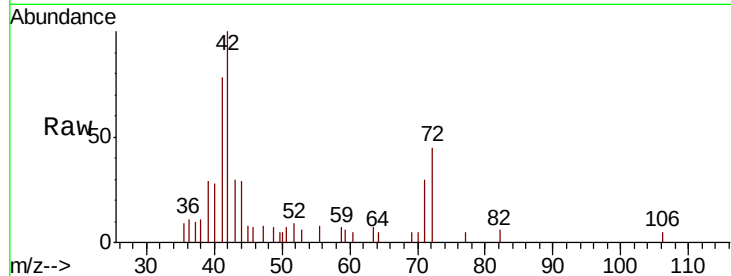




#29
Tetrahydrofuran
Concen: 10.657 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012302.D
Acq: 11 Sep 2019 15:09

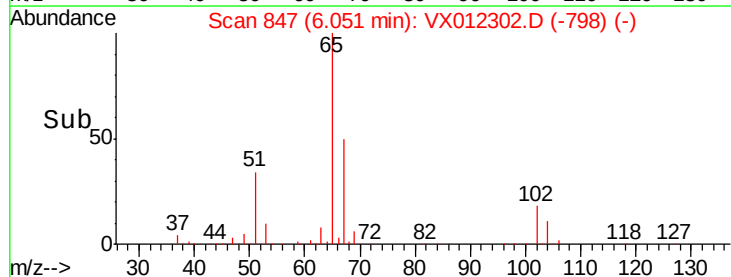
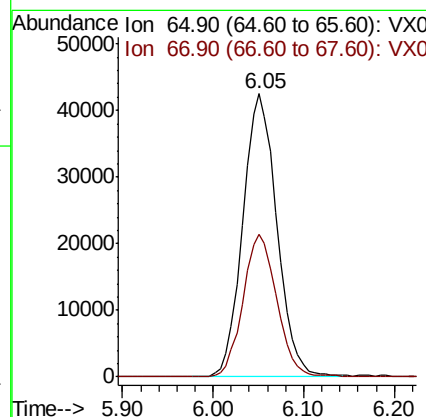
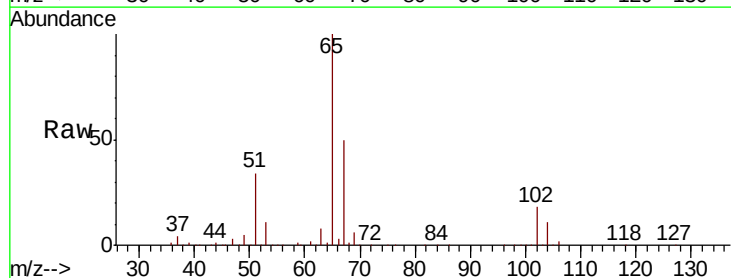
Instrument :
MSVOA_X
ClientSampled :
T11-C1-(0)

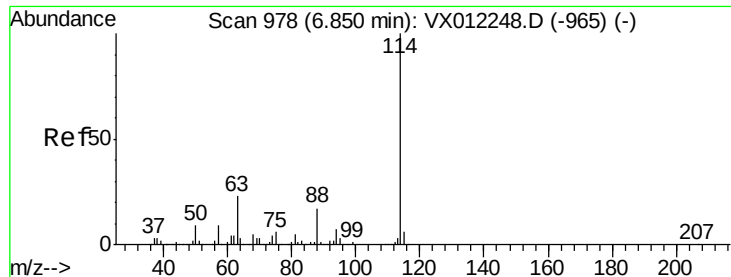
Tgt Ion: 42 Resp: 3984
Ion Ratio Lower Upper
42 100
72 46.7 35.2 52.8
71 45.7 32.5 48.7



#33
1,2-Dichloroethane-d4
Concen: 48.311 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012302.D
Acq: 11 Sep 2019 15:09

Tgt Ion: 65 Resp: 110611
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012302.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

T11-C1-(0)

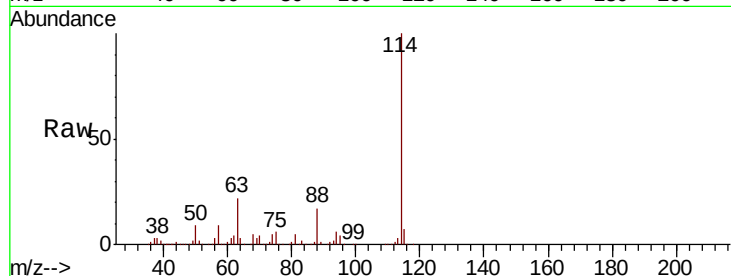
Tgt Ion:114 Resp: 282176

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

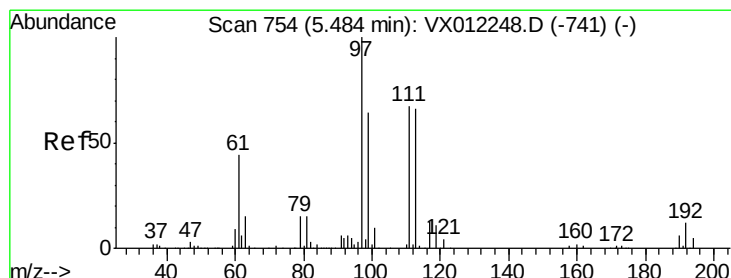
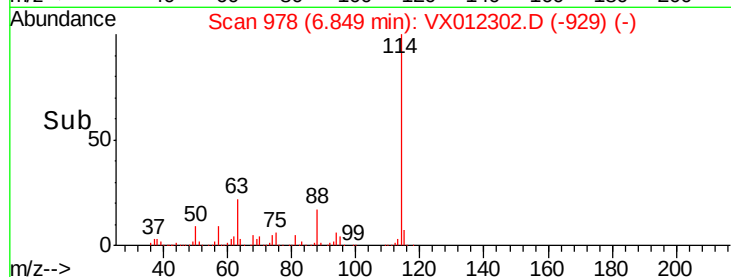
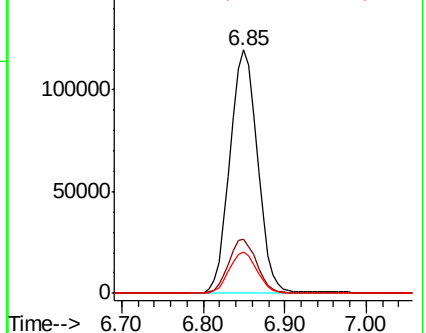
88 17.2 0.0 34.8



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: 46.190 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012302.D

Acq: 11 Sep 2019 15:09

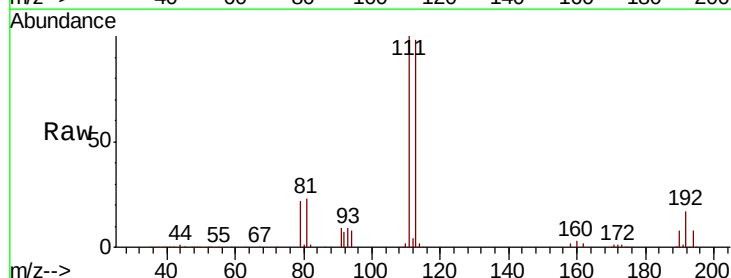
Tgt Ion:113 Resp: 83552

Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.6

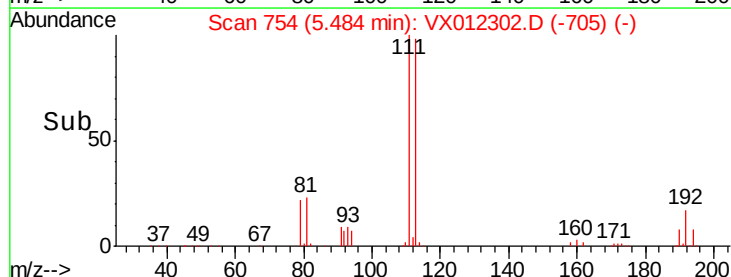
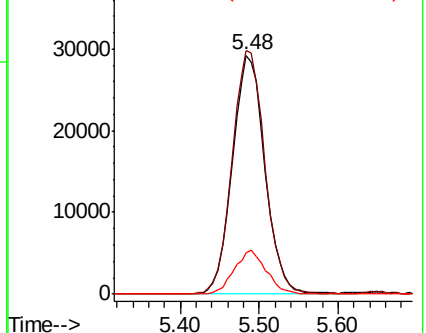
192 18.0 14.3 21.5

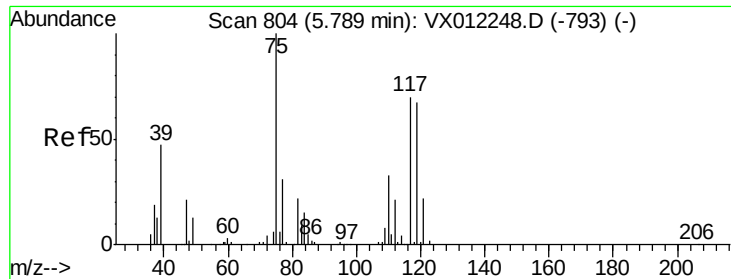


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

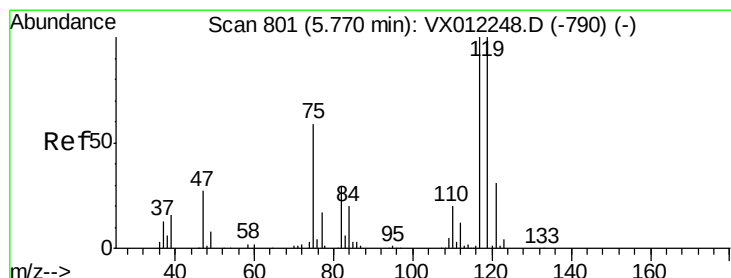
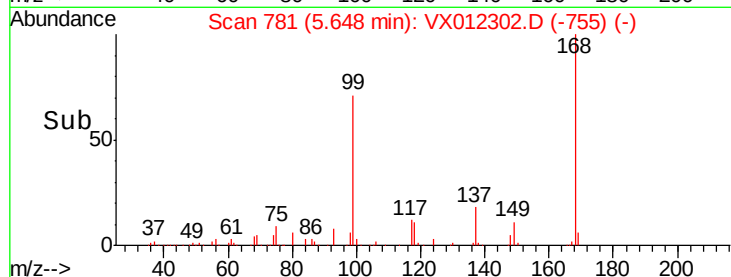
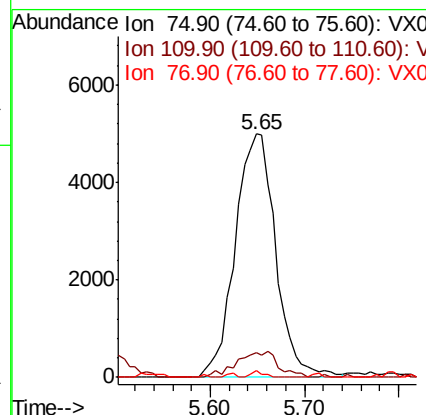
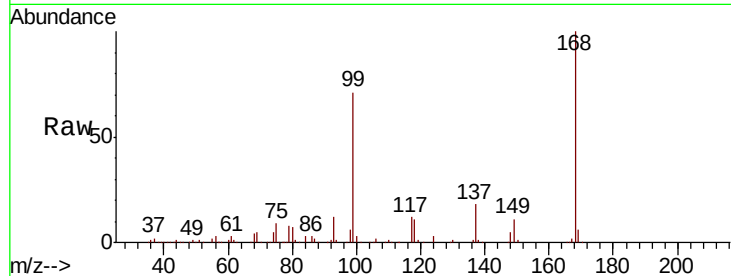




#36
 1,1-Dichloropropene
 Concen: 7.274 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012302.D
 Acq: 11 Sep 2019 15:09

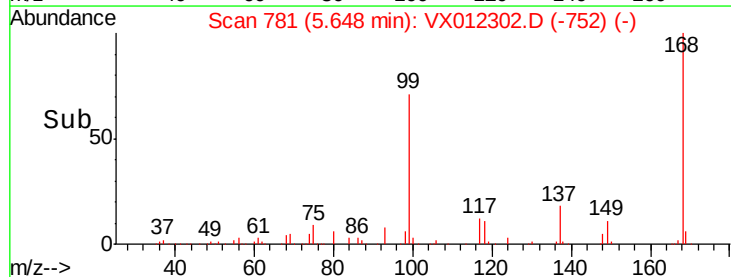
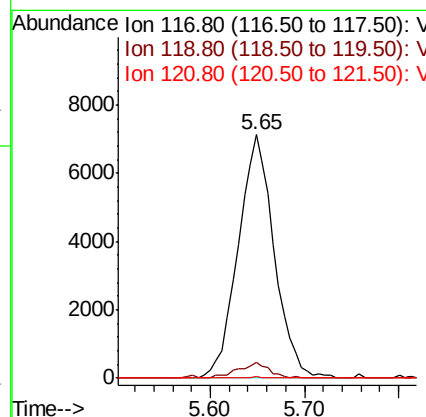
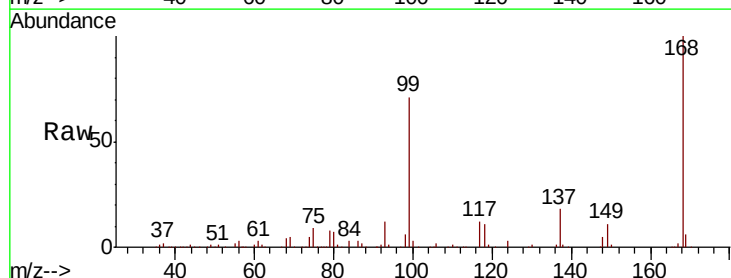
Instrument :
 MSVOA_X
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 T11-C1-(0)

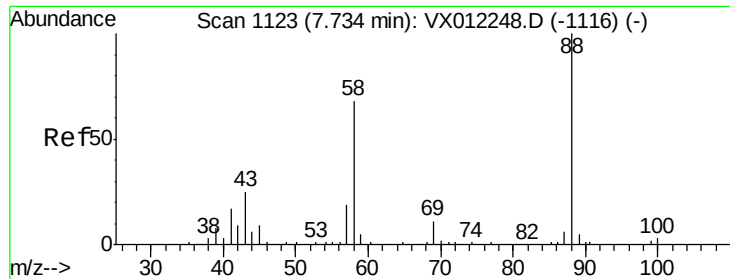
Tgt Ion: 75 Resp: 14967
 Ion Ratio Lower Upper
 75 100
 110 11.0 16.8 50.4#
 77 0.8 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.879 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012302.D
 Acq: 11 Sep 2019 15:09

Tgt Ion: 117 Resp: 19020
 Ion Ratio Lower Upper
 117 100
 119 6.5 79.6 119.4#
 121 0.8 24.7 37.1#

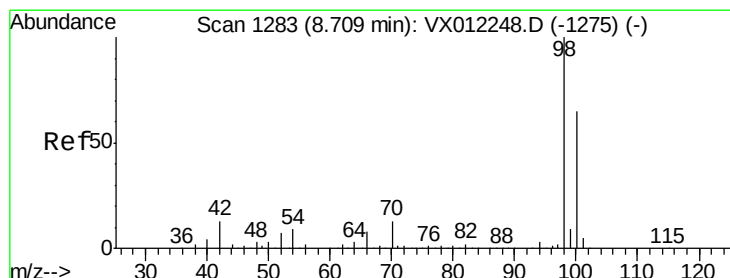
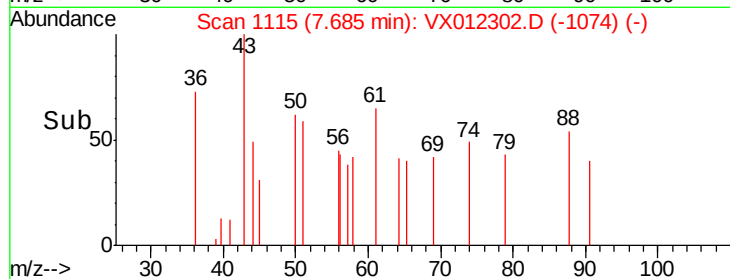
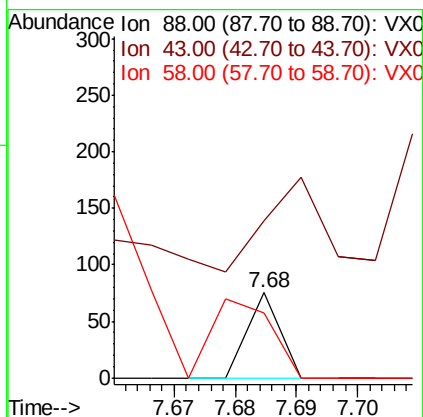
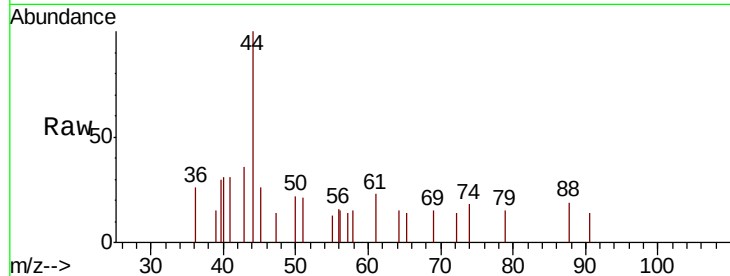




#49
1,4-Dioxane
Concen: 1.559 ug/l
RT: 7.68 min Scan# 1115
Delta R.T. -0.05 min
Lab File: VX012302.D
Acq: 11 Sep 2019 15:09

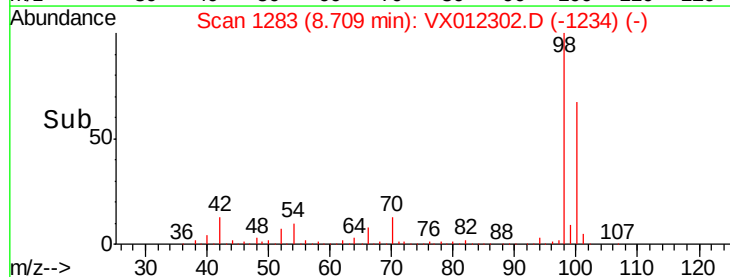
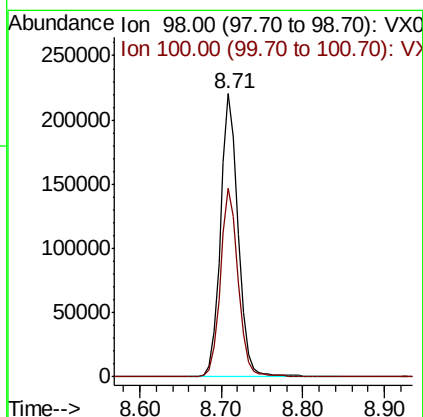
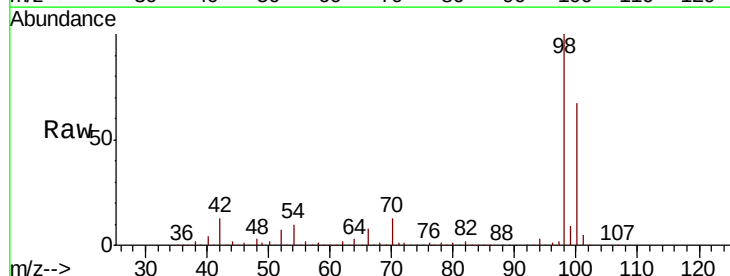
Instrument :
MSVOA_X
ClientSampleId :
T11-C1-(0)

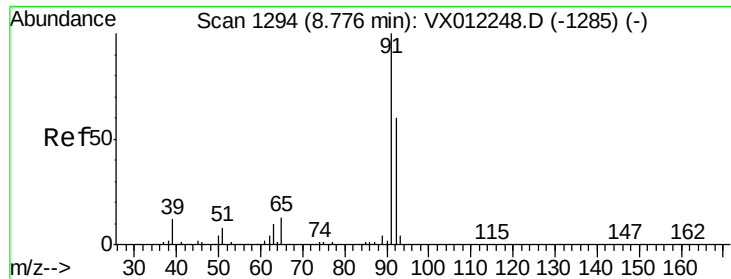
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 585.2 31.0 46.4#
58 174.1 61.5 92.3#



#50
Toluene-d8
Concen: 52.631 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012302.D
Acq: 11 Sep 2019 15:09

Tgt Ion: 98 Resp: 333908
Ion Ratio Lower Upper
98 100
100 67.1 54.1 81.1





#52

Toluene

Concen: 1.141 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX012302.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampled :

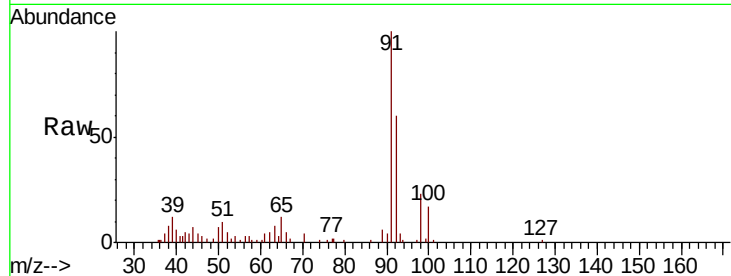
T11-C1-(0)

Tgt Ion: 92 Resp: 4695

Ion Ratio Lower Upper

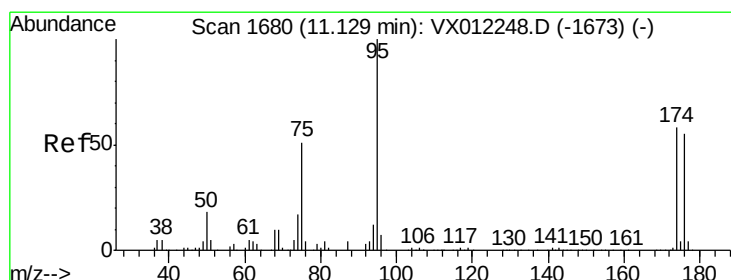
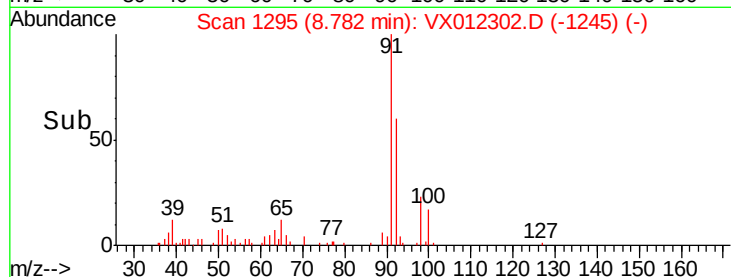
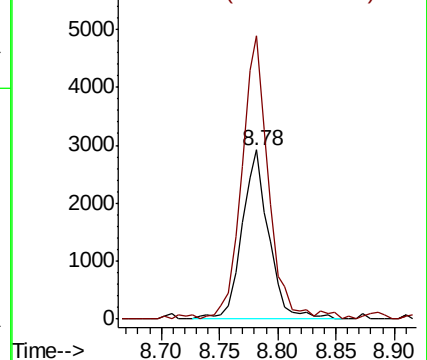
92 100

91 164.4 133.6 200.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.711 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012302.D

Acq: 11 Sep 2019 15:09

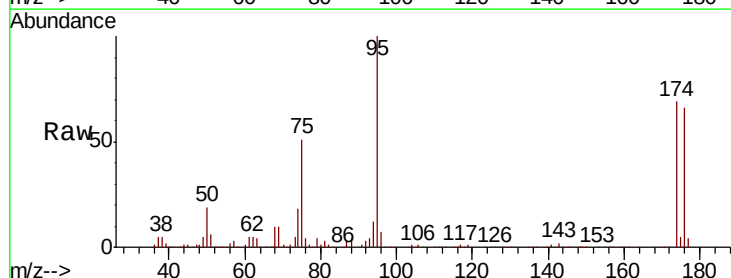
Tgt Ion: 95 Resp: 128565

Ion Ratio Lower Upper

95 100

174 65.5 0.0 127.0

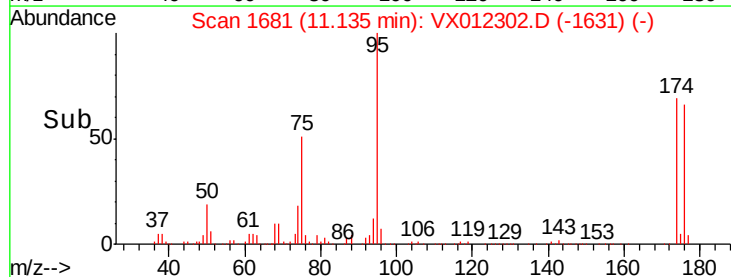
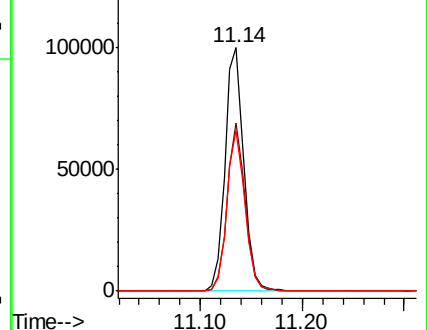
176 63.5 0.0 125.8

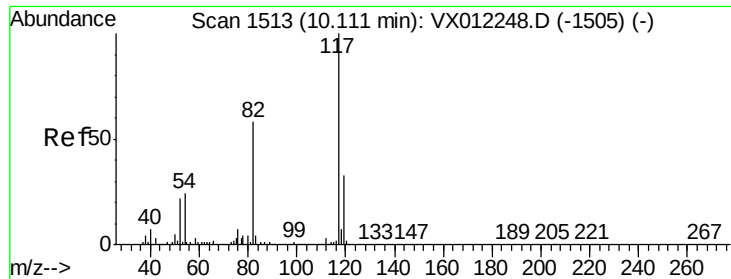


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

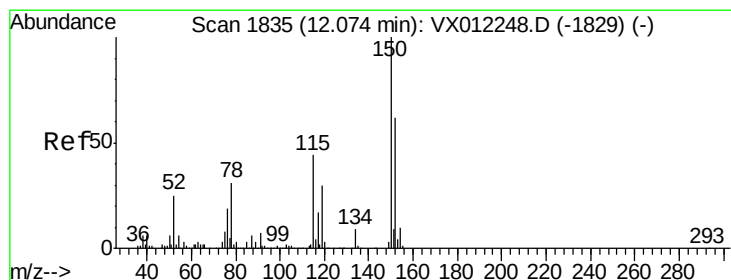
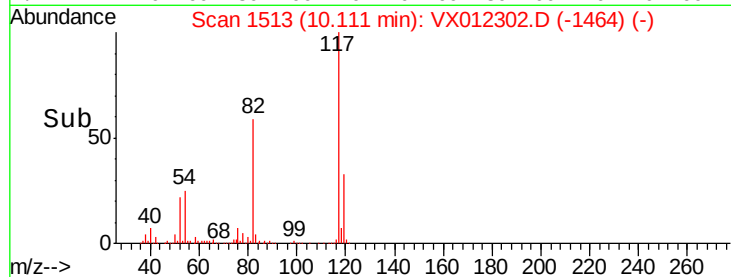
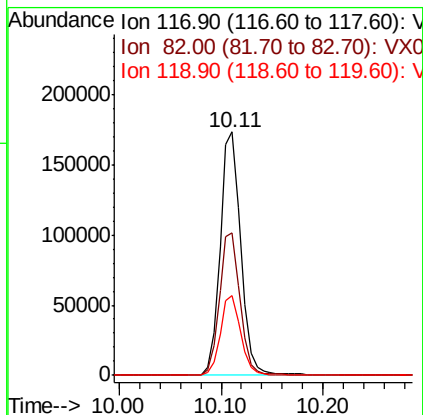
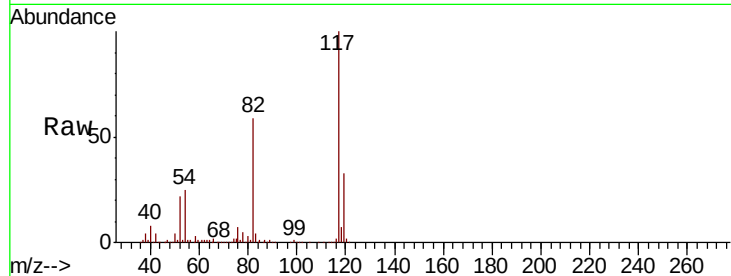




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012302.D
Acq: 11 Sep 2019 15:09

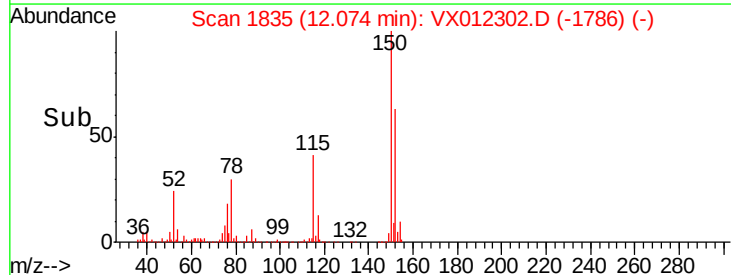
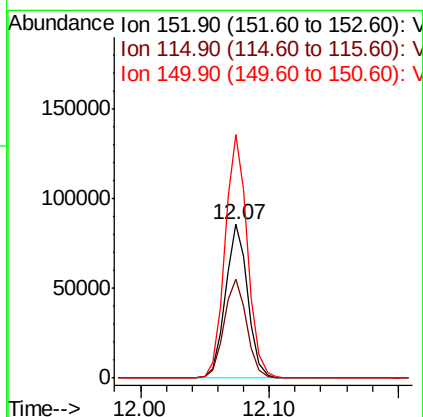
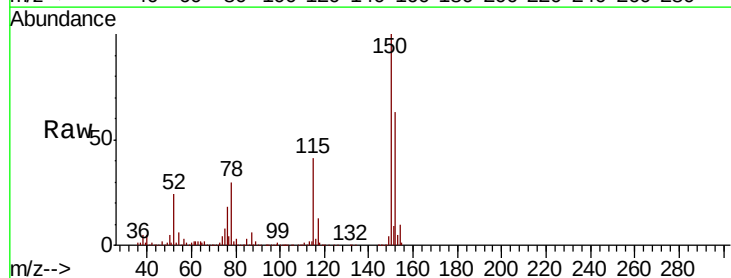
Instrument :
MSVOA_X
ClientSampleId :
T11-C1-(0)

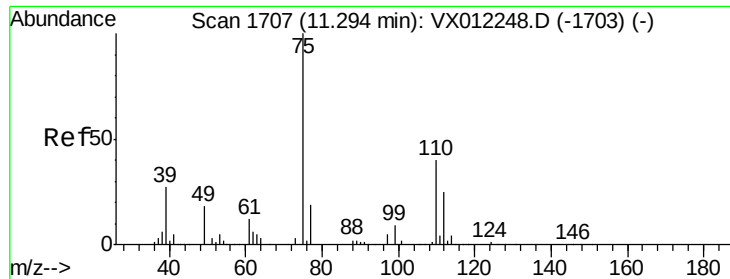
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.4	69.6
119	33.0	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012302.D
Acq: 11 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.4	45.5	136.4
150	159.3	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 50.468 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012302.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

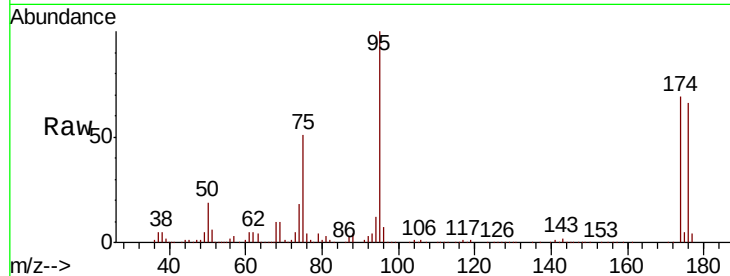
T11-C1-(0)

Tgt Ion: 75 Resp: 67659

Ion Ratio Lower Upper

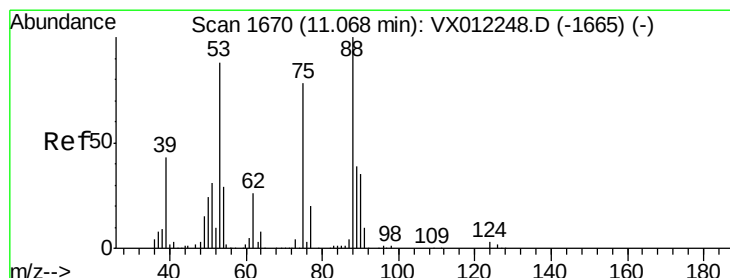
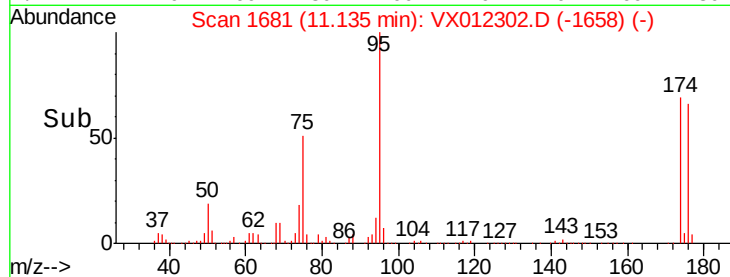
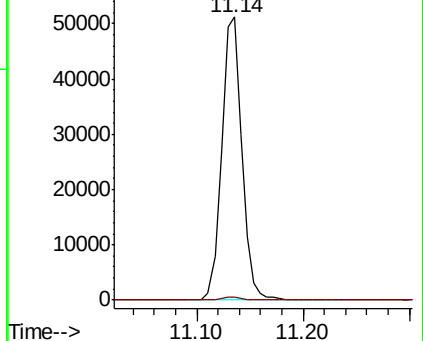
75 100

77 1.2 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 151.213 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012302.D

Acq: 11 Sep 2019 15:09

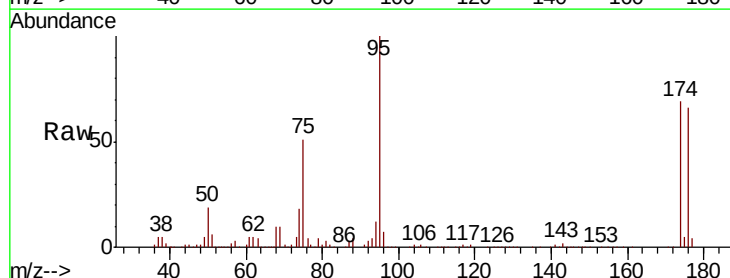
Tgt Ion: 75 Resp: 67659

Ion Ratio Lower Upper

75 100

53 0.5 88.1 132.1#

89 0.0 43.5 65.3#



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

