

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\
 Data File : VX014353.D
 Acq On : 30 Dec 2019 14:59
 Operator : JC/SP
 Sample : K6460-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Dec 31 01:18:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	522977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	809674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	729350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	322102	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	289785	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
35) Dibromofluoromethane	5.49	113	242518	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	963765	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.13	95	322693	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	

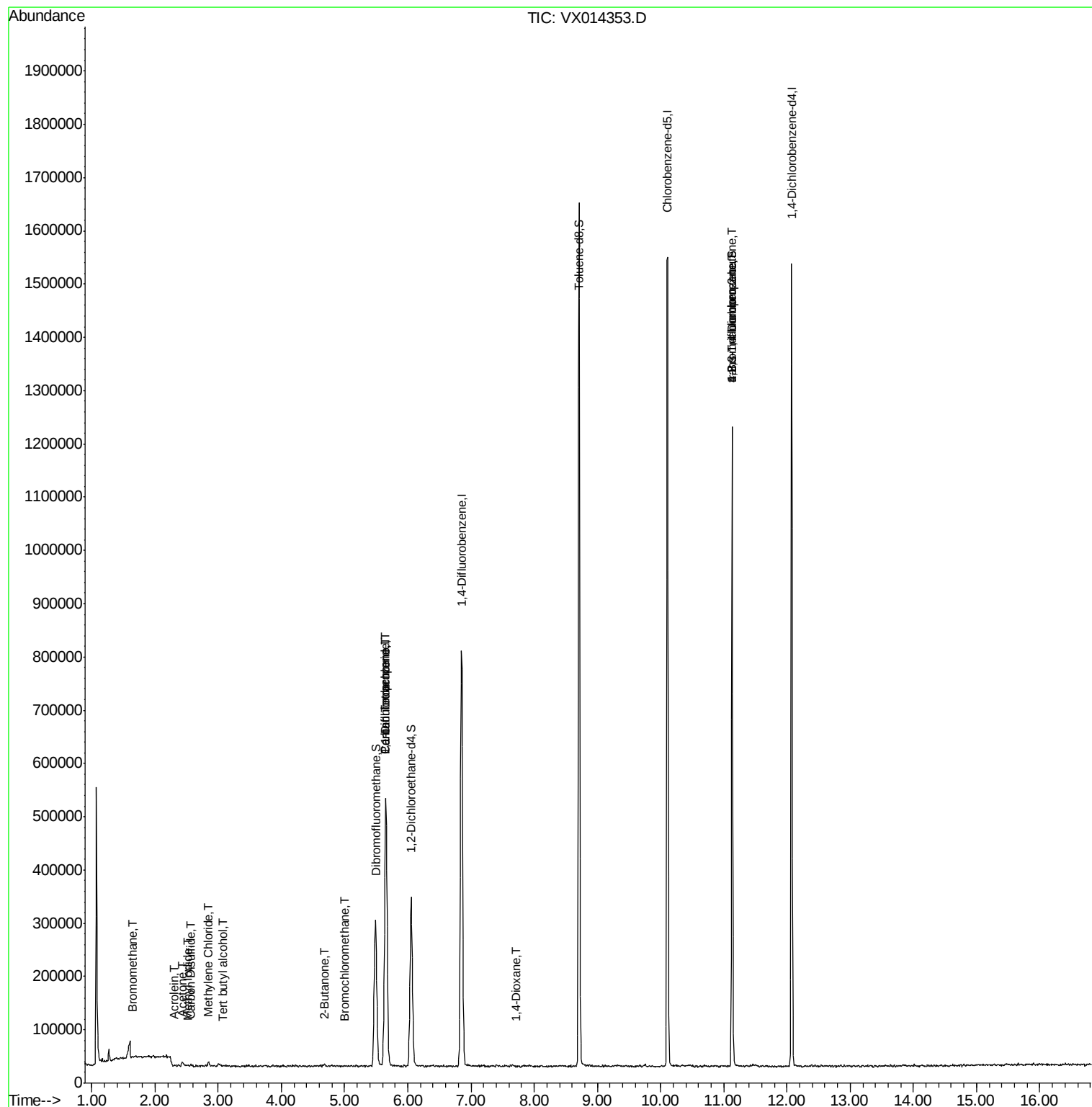
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	2660	0.566	ug/l #	77
10) Methyl Iodide	2.51	142	2295	2.954	ug/l #	83
11) Tert butyl alcohol	3.07	59	371	0.290	ug/l #	1
13) Acrolein	2.30	56	611	0.833	ug/l #	76
16) Acetone	2.43	43	9660	2.510	ug/l	97
17) Carbon Disulfide	2.56	76	1903	0.884	ug/l #	94
20) Methylene Chloride	2.84	84	4822	0.796	ug/l	94
25) 2-Butanone	4.68	43	1295	0.273	ug/l	92
28) Bromochloromethane	5.01	49	274	0.525	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	35214	4.740	ug/l #	50
38) Carbon Tetrachloride	5.65	117	46437	6.861	ug/l #	16
49) 1,4-Dioxane	7.73	88	642	4.745	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	157082	22.463	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	157082	63.404	ug/l #	11

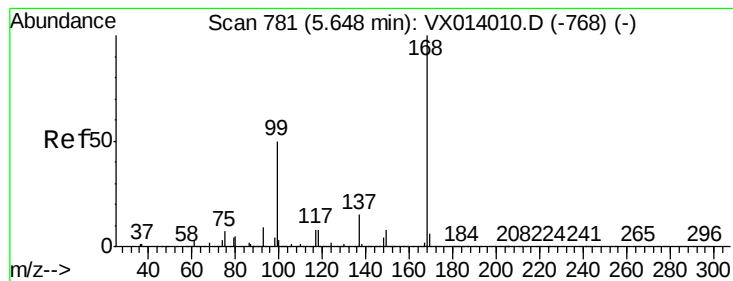
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 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: VX014353.D

Acq: 30 Dec 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

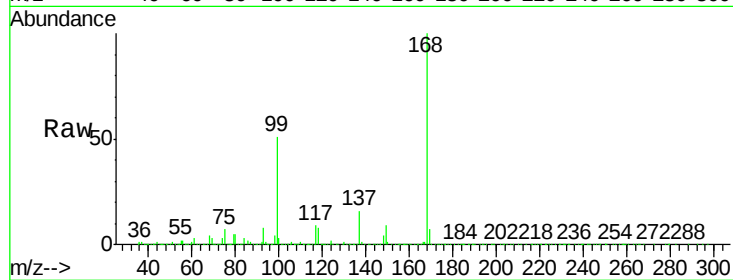
TRIP-BLANK

Tot Ion:168 Resp: 522977

Ion Ratio Lower Upper

168 100

99 51.1 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

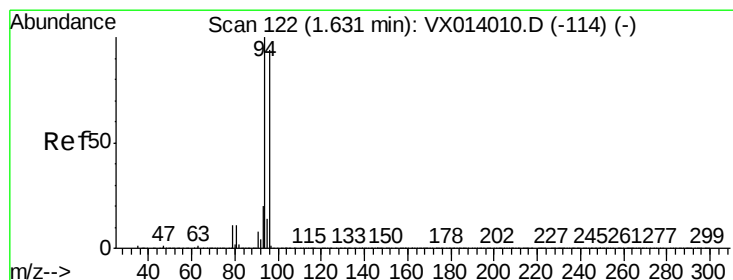
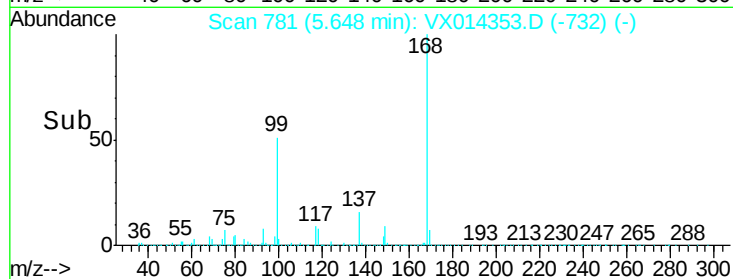
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.566 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014353.D

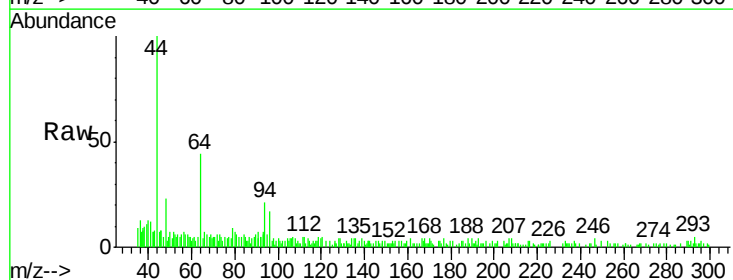
Acq: 30 Dec 2019 14:59

Tgt Ion: 94 Resp: 2660

Ion Ratio Lower Upper

94 100

96 71.8 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1000

800

600

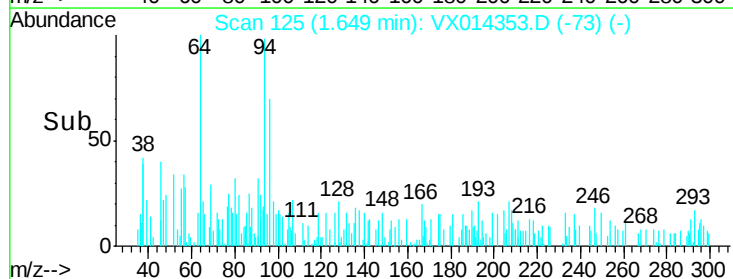
400

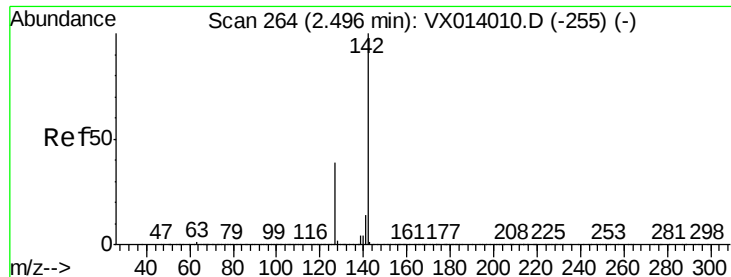
200

0

Time-->

1.60 1.65 1.70

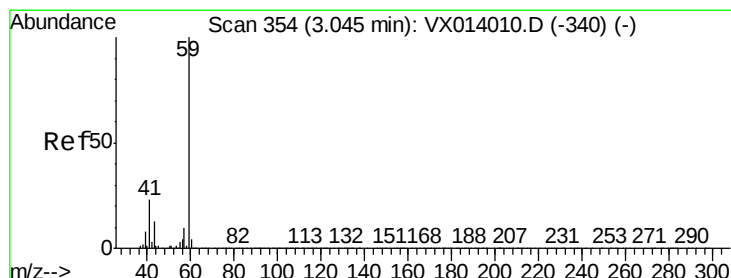
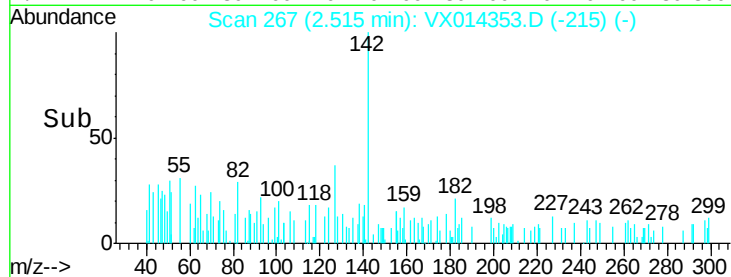
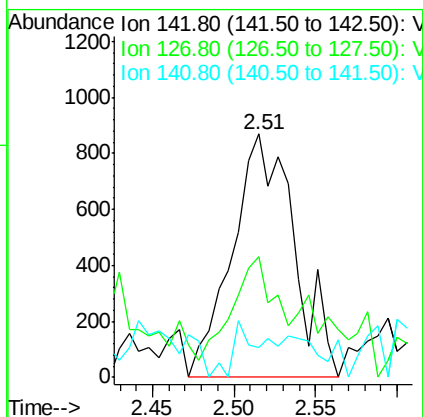
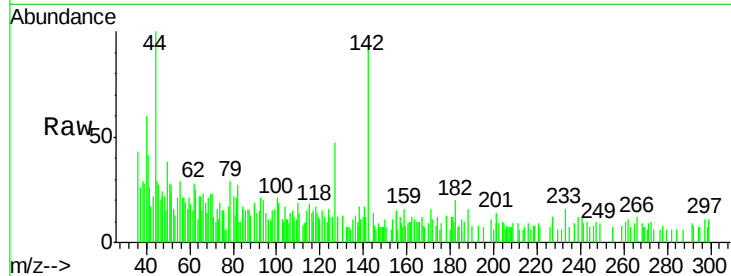




#10
Methyl Iodide
Concen: 2.954 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX014353.D
Acq: 30 Dec 2019 14:59

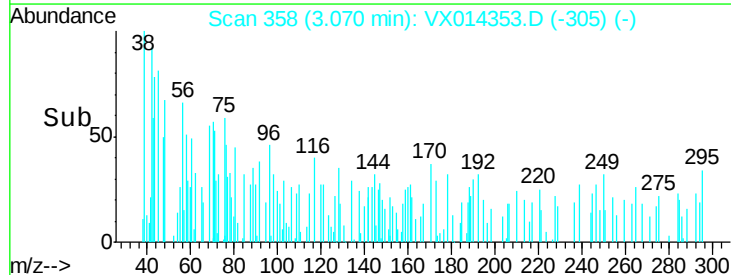
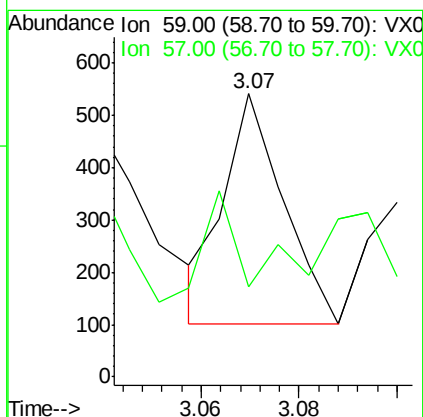
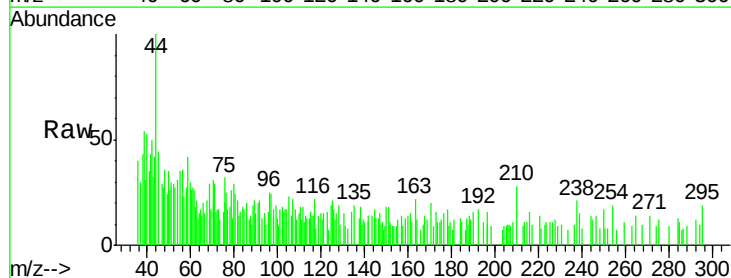
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

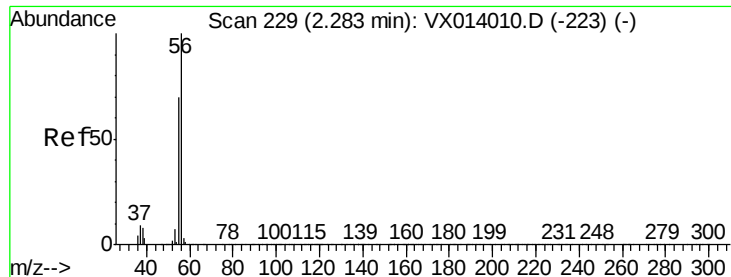
Tot Ion:142 Resp: 2295
Ion Ratio Lower Upper
142 100
127 28.6 31.6 47.4#
141 7.7 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.290 ug/l
RT: 3.07 min Scan# 358
Delta R.T. 0.02 min
Lab File: VX014353.D
Acq: 30 Dec 2019 14:59

Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 69.5 8.4 12.6#





#13

Acrolein

Concen: 0.833 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.02 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

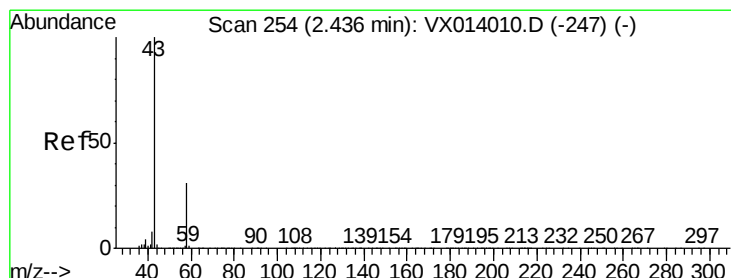
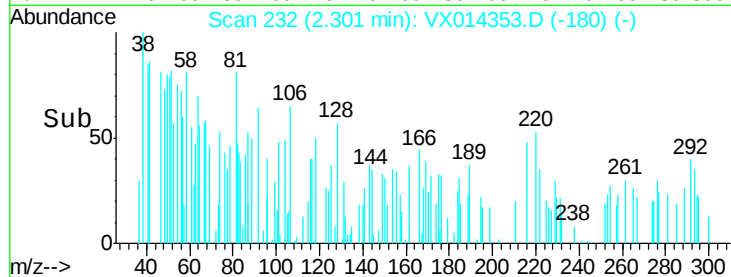
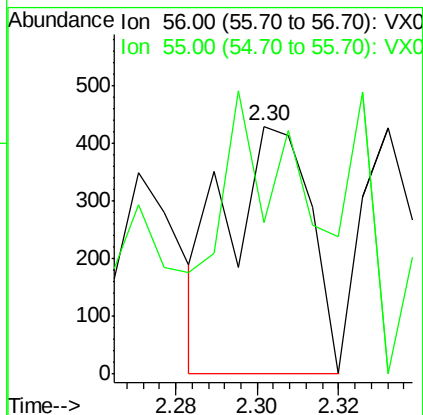
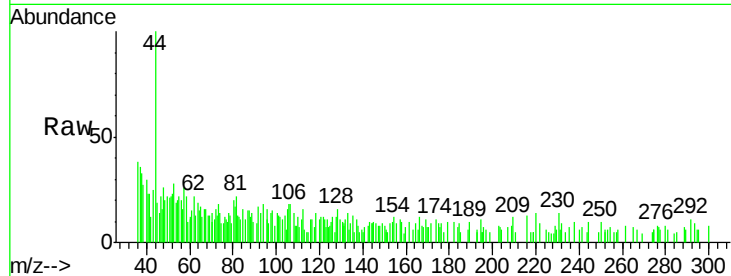
TRIP-BLANK

Tot Ion: 56 Resp: 611

Ion Ratio Lower Upper

56 100

55 91.2 56.9 85.3#



#16

Acetone

Concen: 2.510 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014353.D

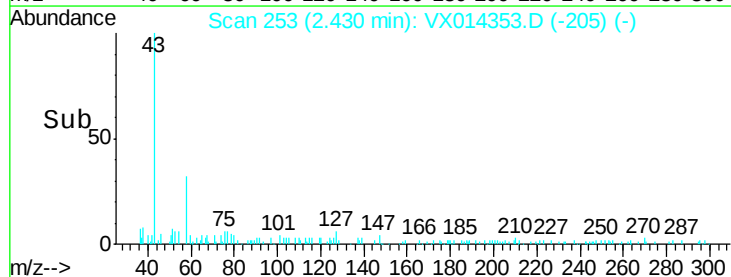
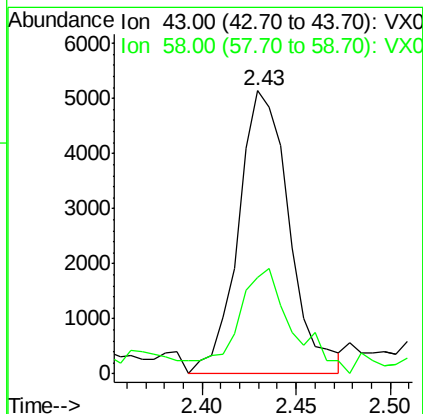
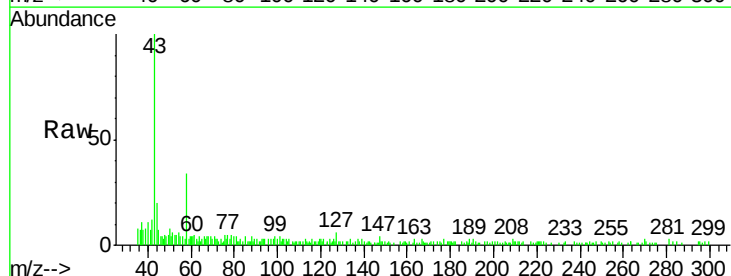
Acq: 30 Dec 2019 14:59

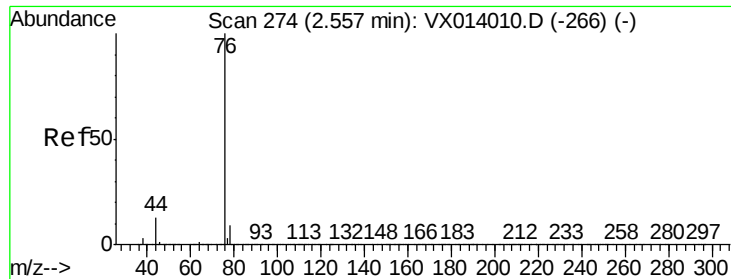
Tgt Ion: 43 Resp: 9660

Ion Ratio Lower Upper

43 100

58 29.4 24.9 37.3





#17

Carbon Disulfide

Concen: 0.884 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

Instrument :

MSVOA_X

ClientSampled :

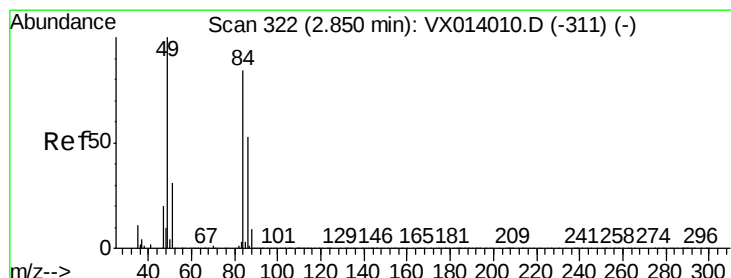
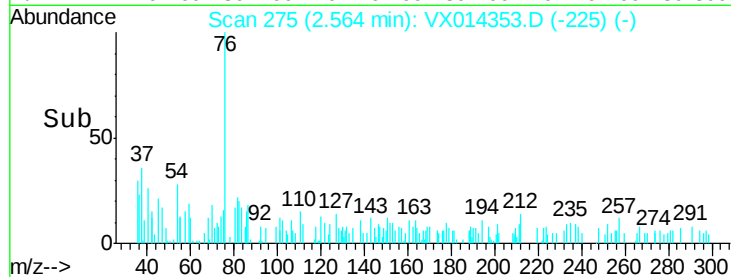
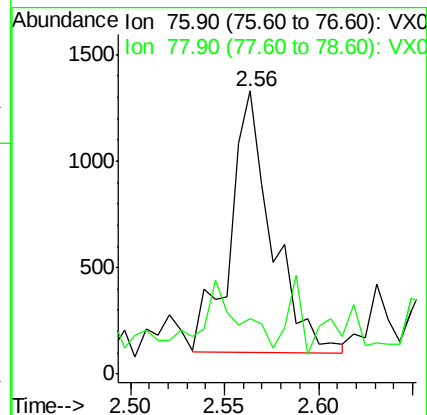
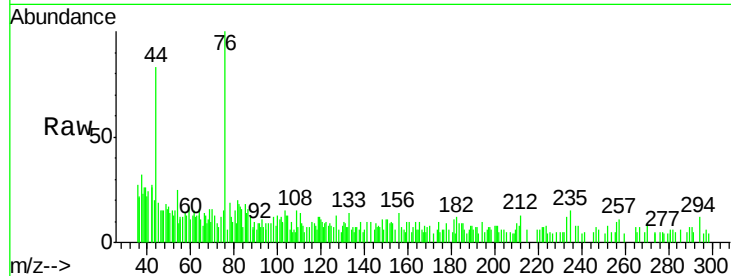
TRIP-BLANK

Tot Ion: 76 Resp: 1903

Ion Ratio Lower Upper

76 100

78 6.9 7.2 10.8#



#20

Methylene Chloride

Concen: 0.796 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

Tgt Ion: 84 Resp: 4822

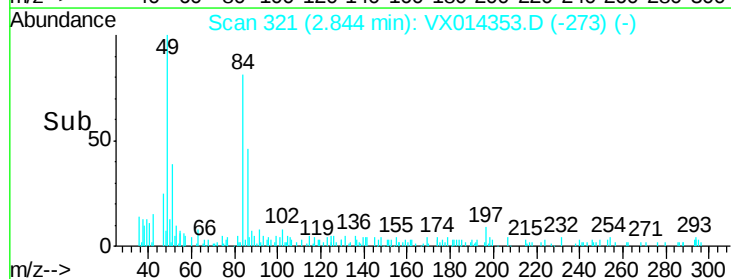
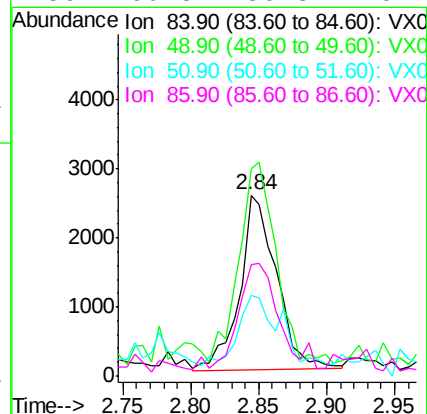
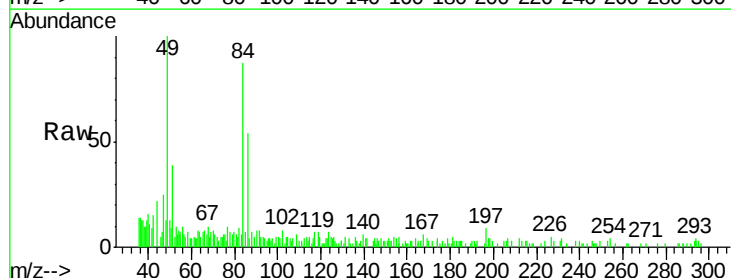
Ion Ratio Lower Upper

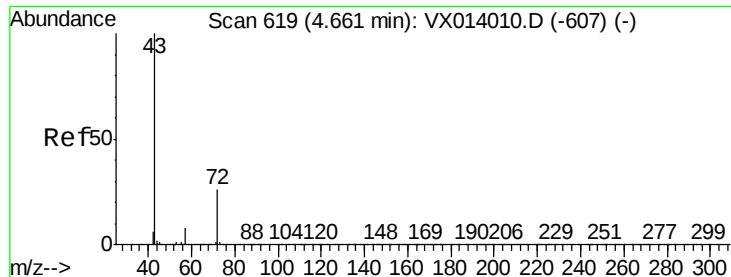
84 100

49 111.2 95.8 143.6

51 38.6 29.8 44.8

86 60.3 50.8 76.2





#25

2-Butanone

Concen: 0.273 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

Instrument :

MSVOA_X

ClientSampled :

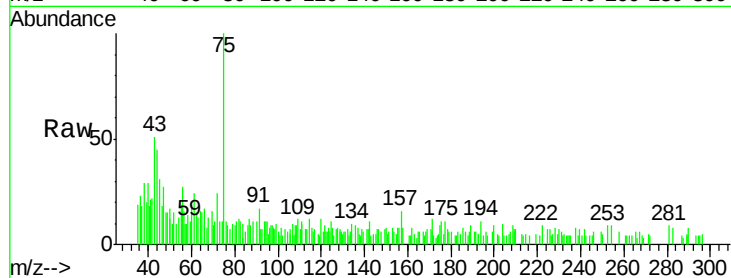
TRIP-BLANK

Tot Ion: 43 Resp: 1295

Ion Ratio Lower Upper

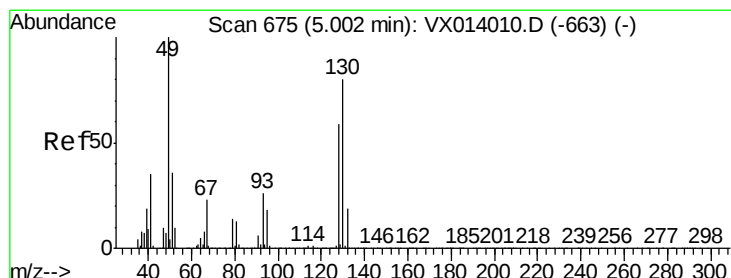
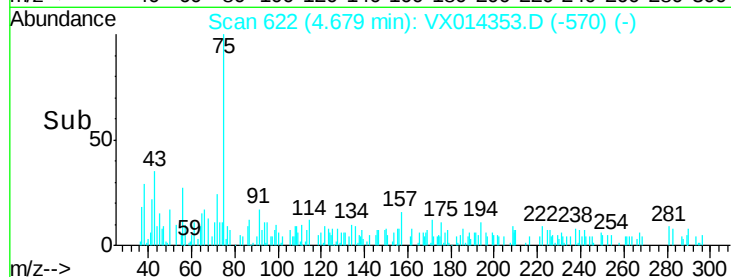
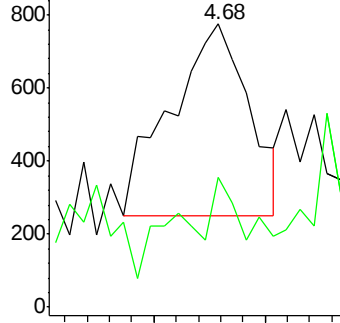
43 100

72 30.2 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: 0.525 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

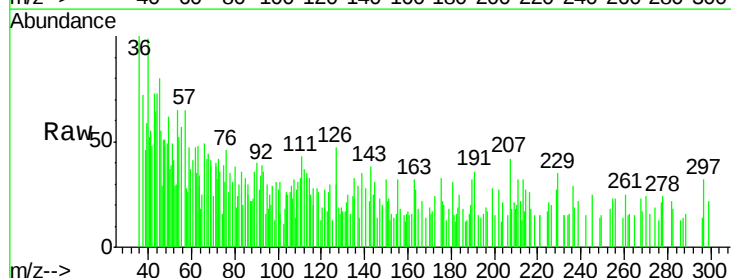
Tgt Ion: 49 Resp: 274

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

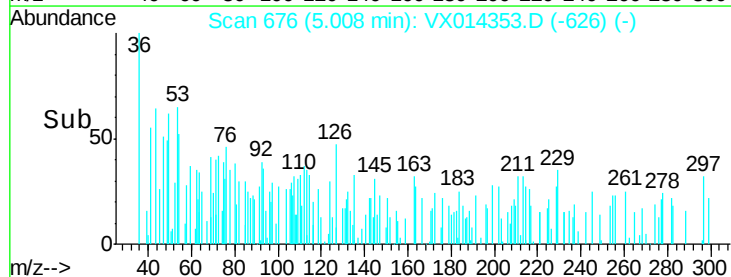
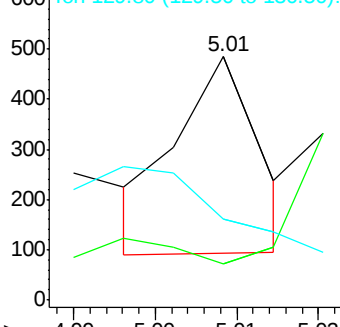
130 238.3 64.6 97.0#

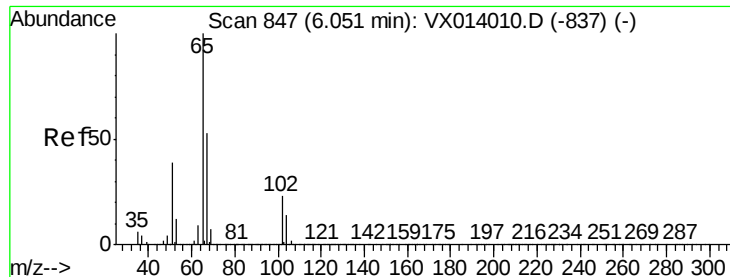


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 48.891 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

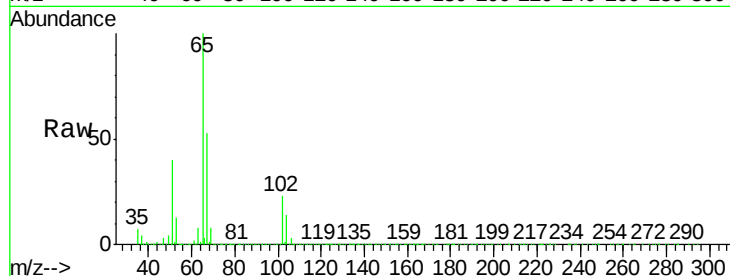
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Tot Ion: 65 Resp: 289785

Ion Ratio Lower Upper

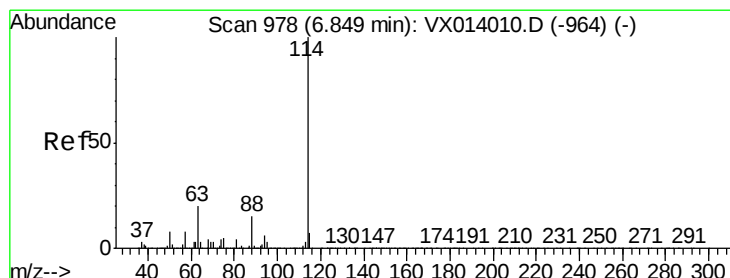
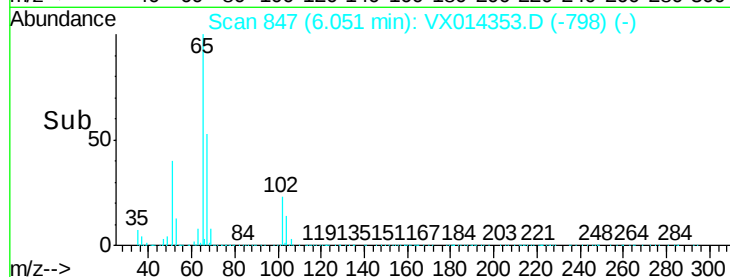
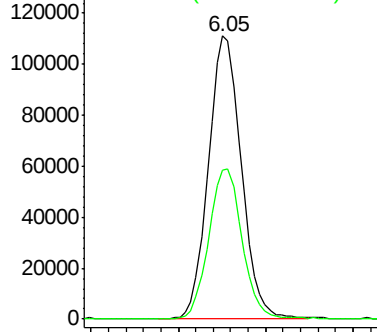
65 100

67 53.7 0.0 106.4



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: VX014353.D

Acq: 30 Dec 2019 14:59

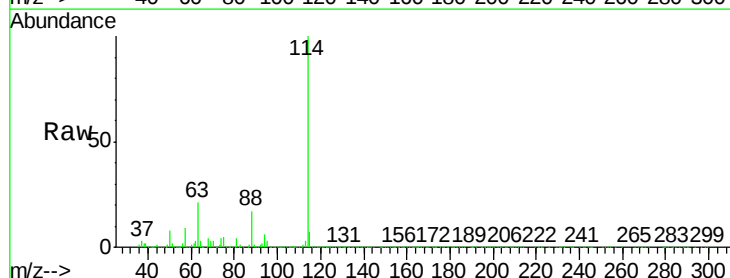
Tgt Ion: 114 Resp: 809674

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

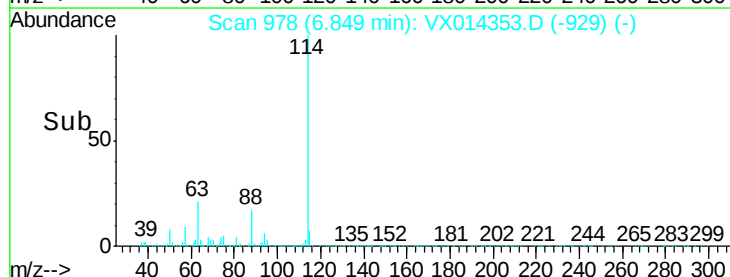
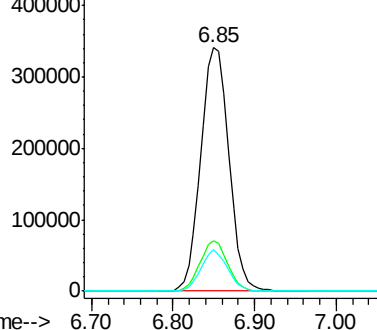
88 16.7 0.0 30.4

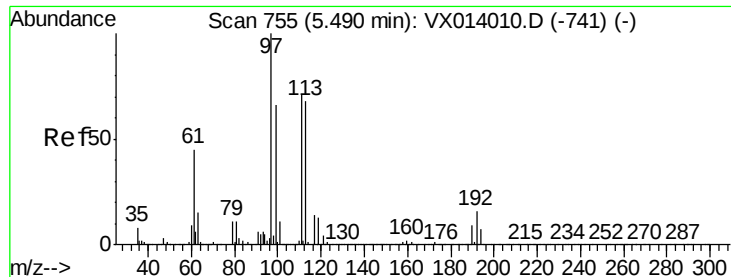


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.273 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

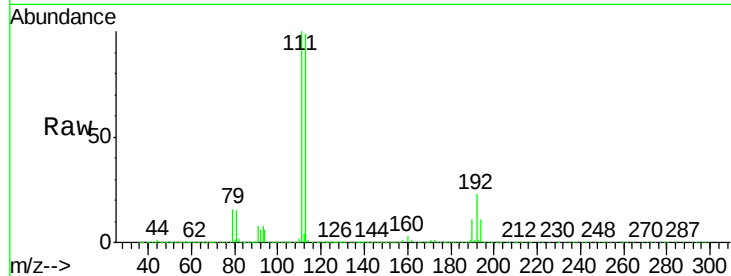
Tot Ion:113 Resp: 242518

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

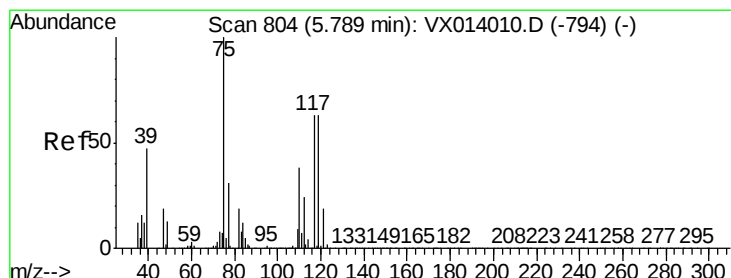
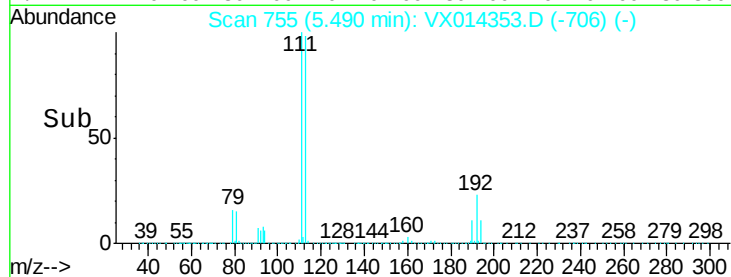
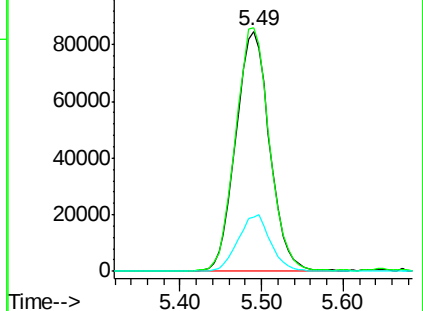
192 23.0 19.3 28.9



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: 4.740 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

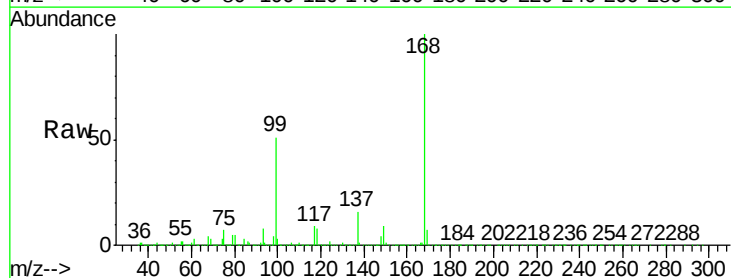
Tgt Ion: 75 Resp: 35214

Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.9#

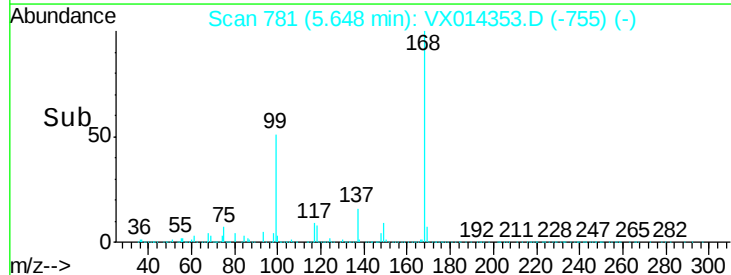
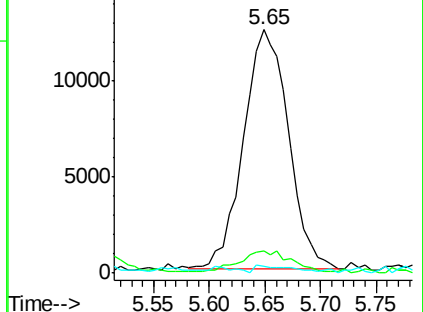
77 1.1 24.8 37.2#

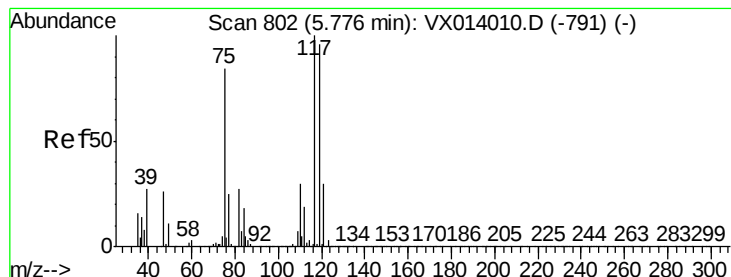


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.861 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

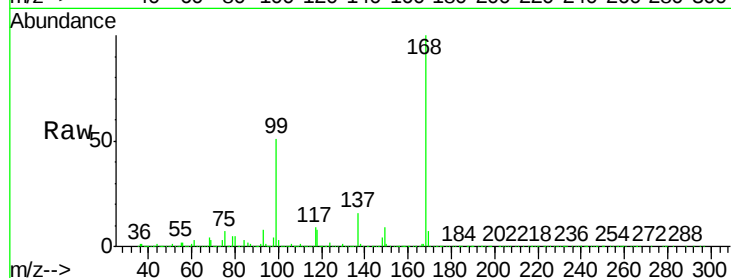
Tot Ion:117 Resp: 46437

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.4#

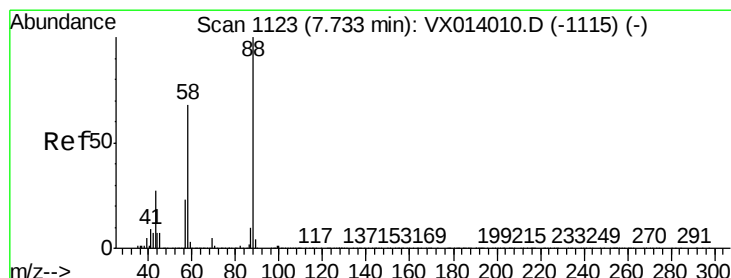
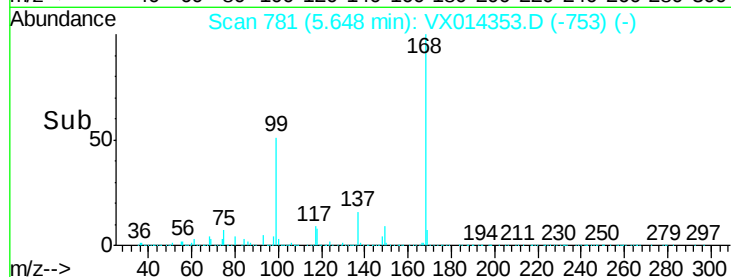
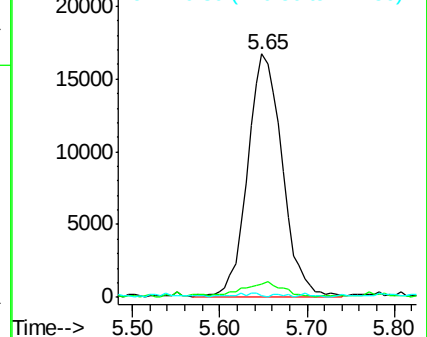
121 0.0 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 4.745 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

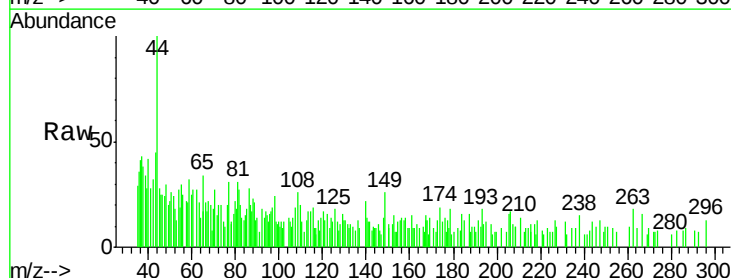
Tgt Ion: 88 Resp: 642

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

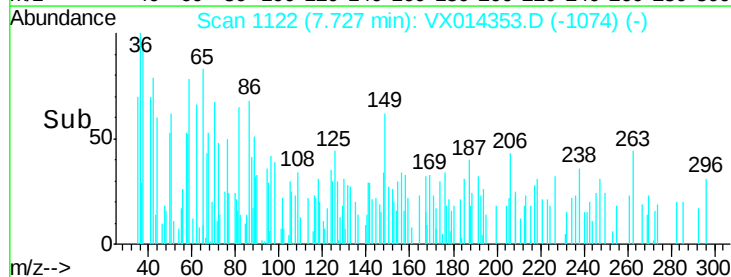
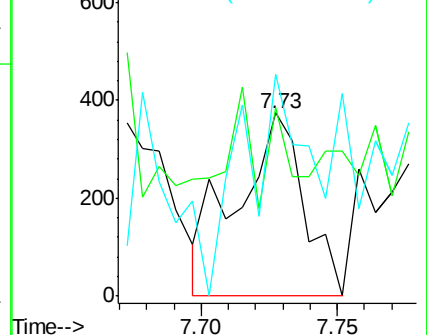
58 35.5 56.8 85.2#

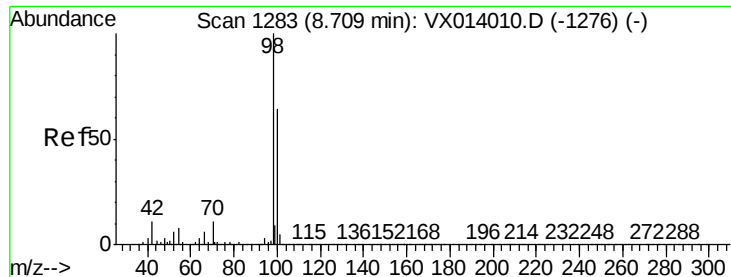


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

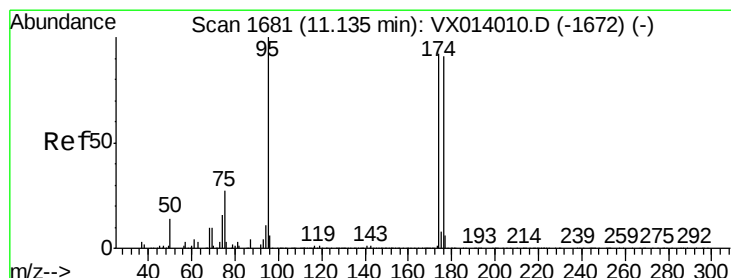
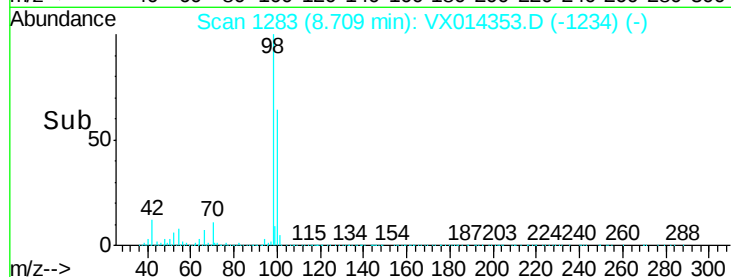
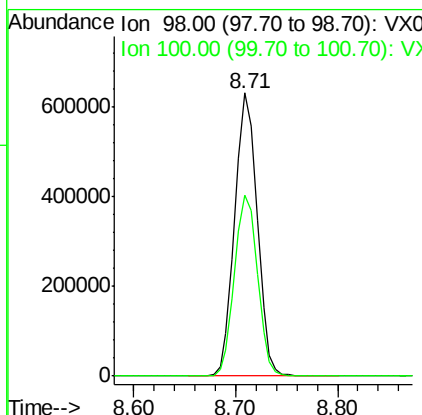
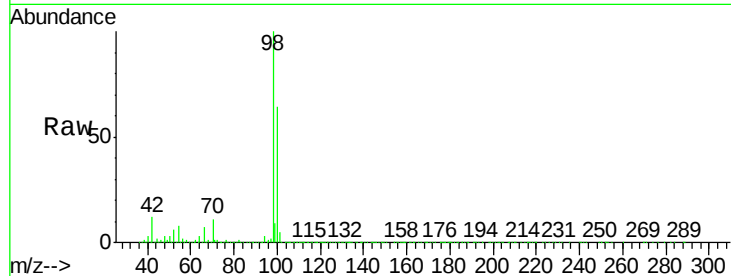




#50
Toluene-d8
Concen: 50.295 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014353.D
Acq: 30 Dec 2019 14:59

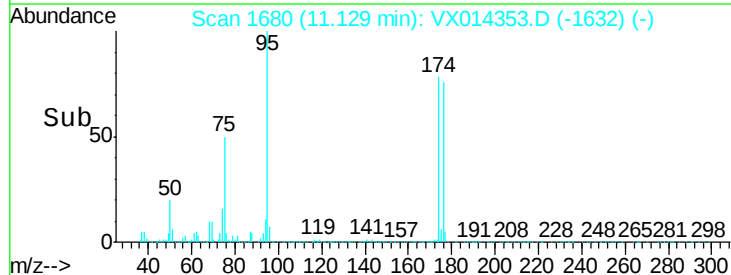
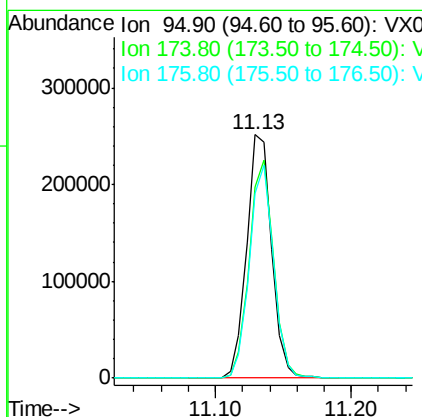
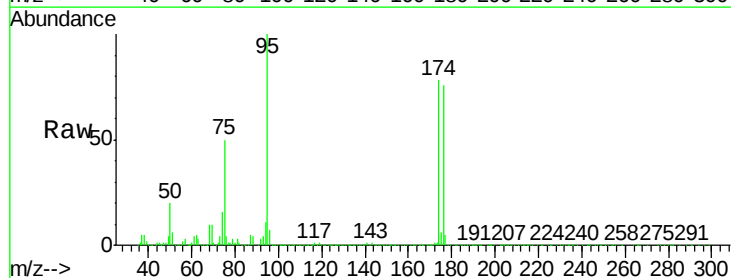
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

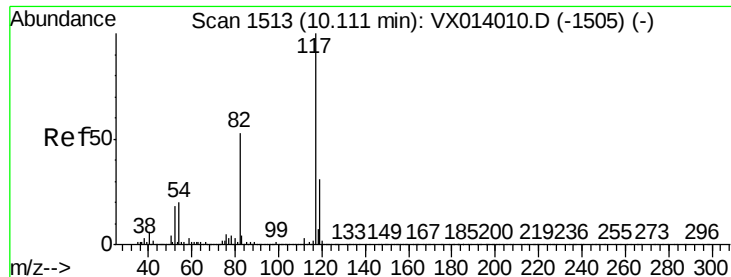
Tot Ion: 98 Resp: 963765
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 46.068 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014353.D
Acq: 30 Dec 2019 14:59

Tgt Ion: 95 Resp: 322693
Ion Ratio Lower Upper
95 100
174 88.4 0.0 175.8
176 85.5 0.0 173.0

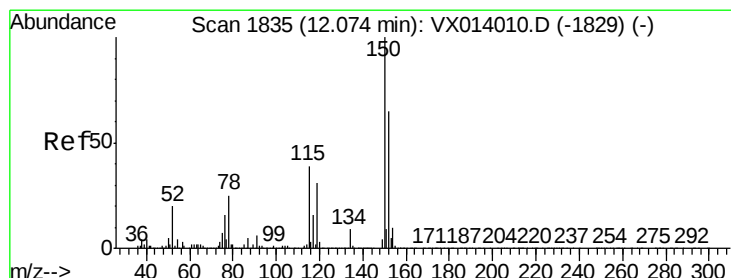
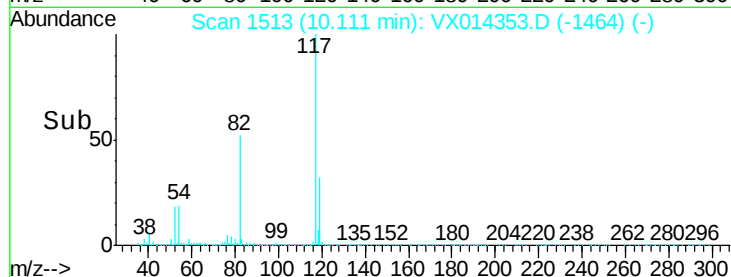
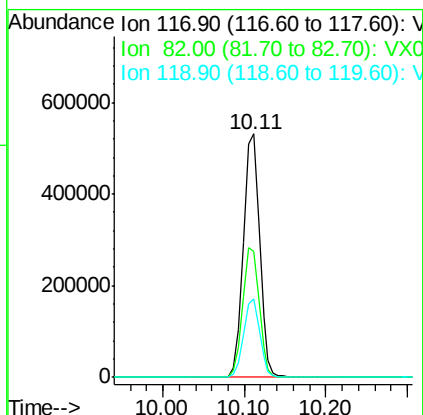
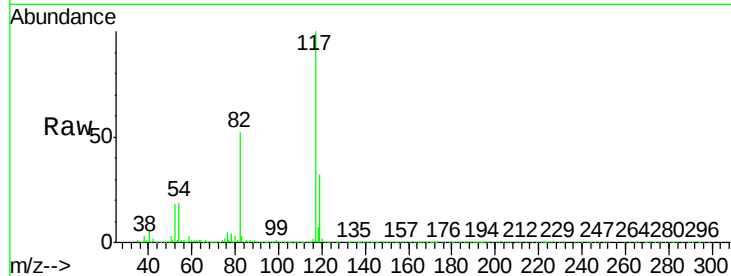




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014353.D
Acq: 30 Dec 2019 14:59

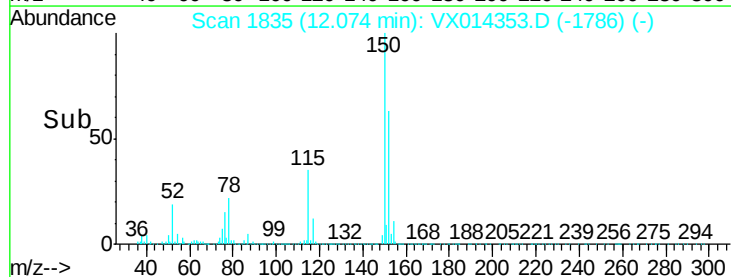
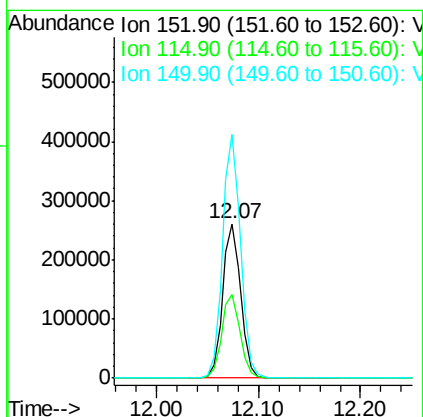
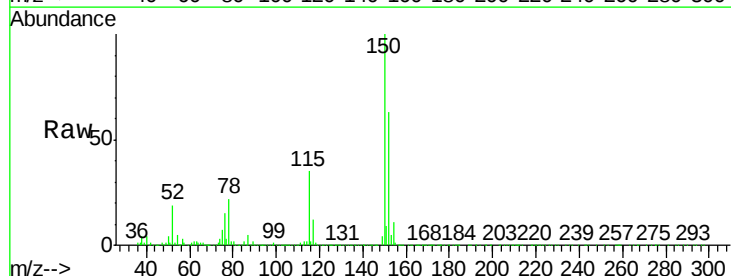
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

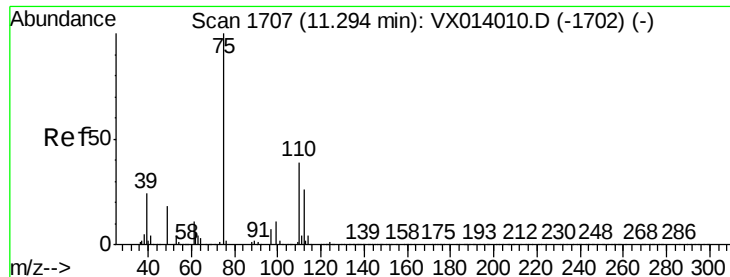
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.2	63.4
119	32.3	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014353.D
Acq: 30 Dec 2019 14:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	38.3	114.9
150	156.8	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 22.463 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

Instrument :

MSVOA_X

ClientSampled :

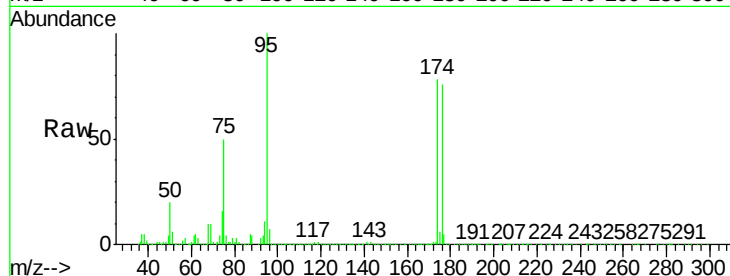
TRIP-BLANK

Tot Ion: 75 Resp: 157082

Ion Ratio Lower Upper

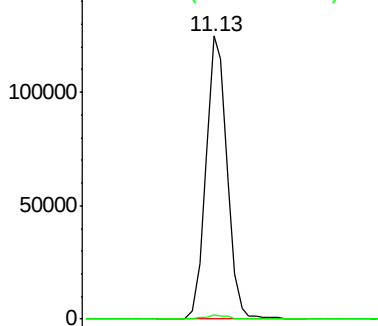
75 100

77 1.3 19.3 57.8#

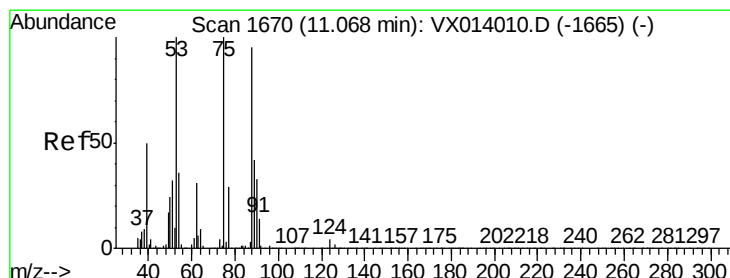
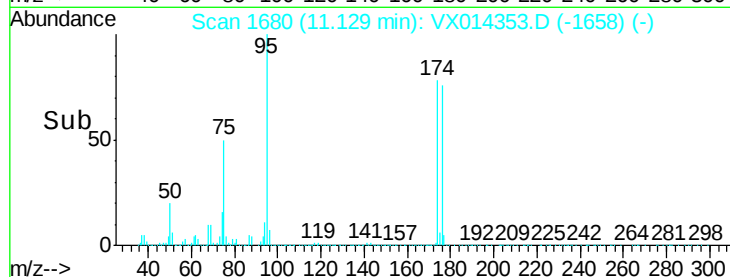


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.404 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014353.D

Acq: 30 Dec 2019 14:59

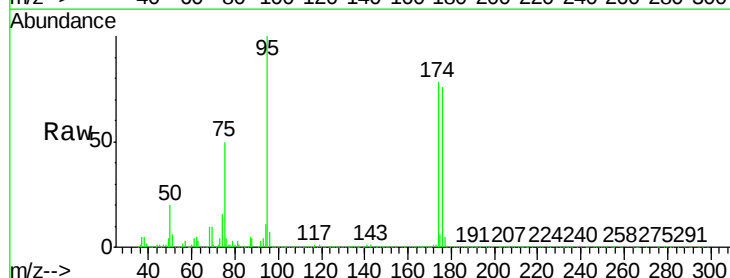
Tgt Ion: 75 Resp: 157082

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

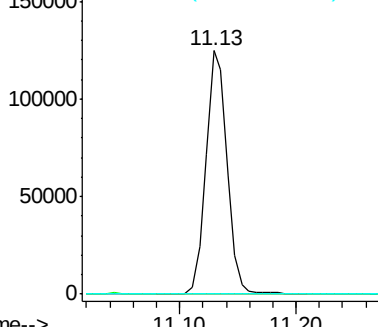
89 0.0 34.6 51.8#



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



Time-->

