

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014028.D
 Acq On : 16 Dec 2019 12:30
 Operator : JC/SP
 Sample : K6295-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Dec 17 03:27:13 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	600228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	923131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	816668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	347802	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	333003	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
35) Dibromofluoromethane	5.49	113	274796	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	8.71	98	1088044	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.14	95	365034	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	

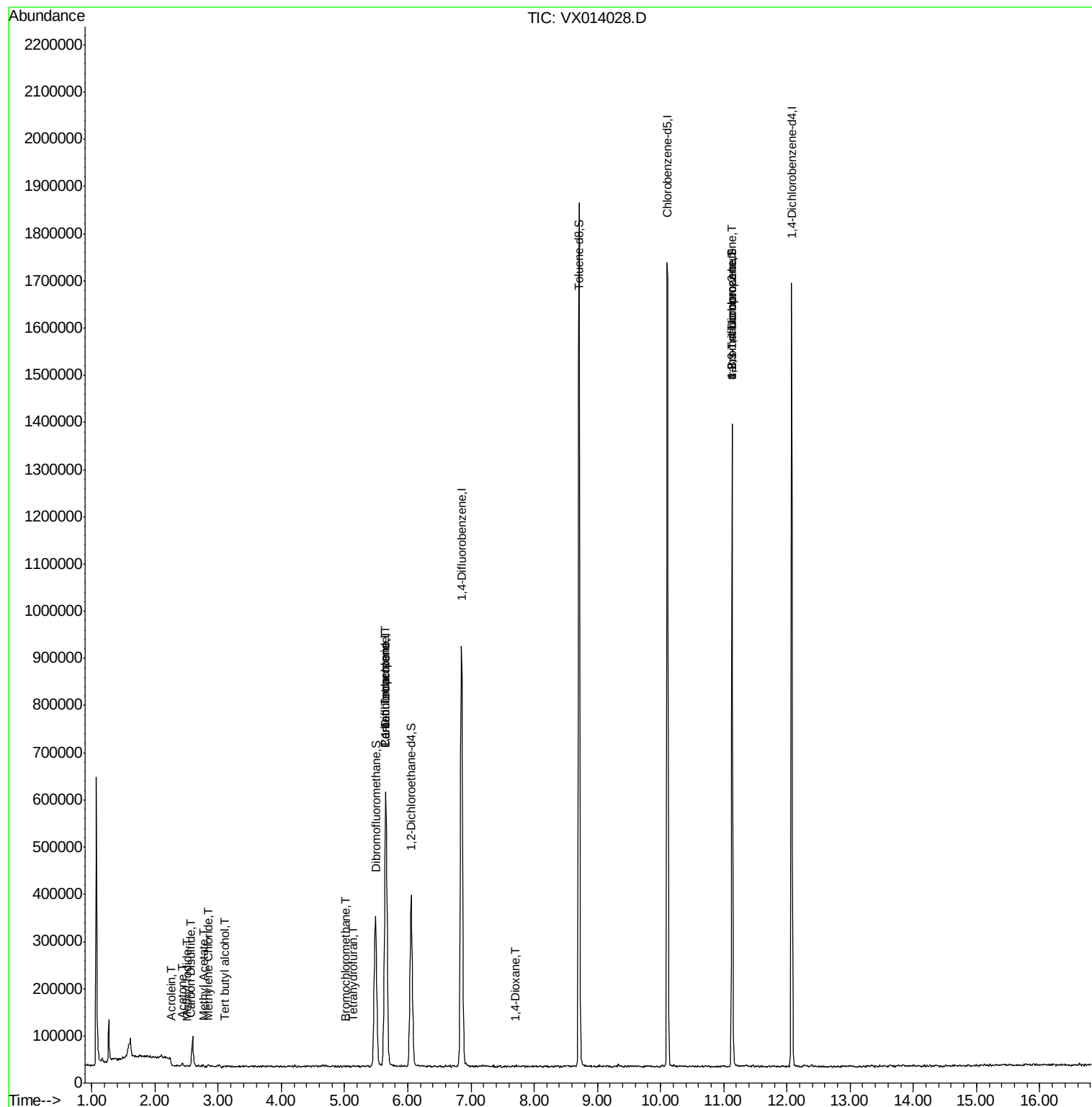
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	856	2.729	ug/l #	18
11) Tert butyl alcohol	3.10	59	972	0.661	ug/l #	41
13) Acrolein	2.27	56	267	0.317	ug/l #	39
16) Acetone	2.43	43	8038	1.820	ug/l #	84
17) Carbon Disulfide	2.56	76	2286	0.891	ug/l #	72
18) Methyl Acetate	2.76	43	1813	0.207	ug/l	96
20) Methylene Chloride	2.85	84	2386	0.343	ug/l #	55
28) Bromochloromethane	5.03	49	521	0.571	ug/l #	3
29) Tetrahydrofuran	5.13	42	797	0.262	ug/l #	51
36) 1,1-Dichloropropene	5.65	75	41840	4.940	ug/l #	51
38) Carbon Tetrachloride	5.65	117	53755	6.966	ug/l #	17
49) 1,4-Dioxane	7.70	88	286	1.854	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	177553	23.515	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	177553	66.371	ug/l #	12

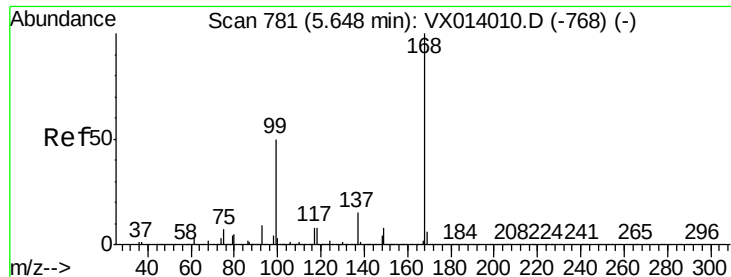
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121619\
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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# 782

Delta R.T. 0.01 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

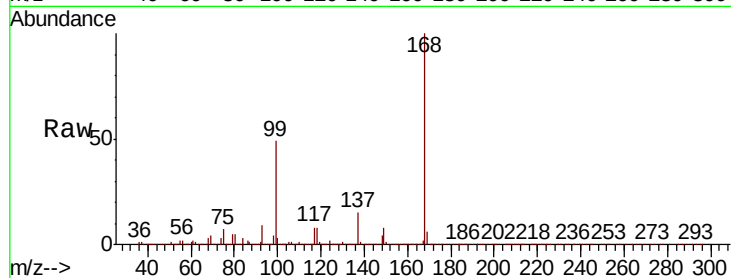
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 600228

Ion Ratio Lower Upper

168 100

99 49.2 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

250000

200000

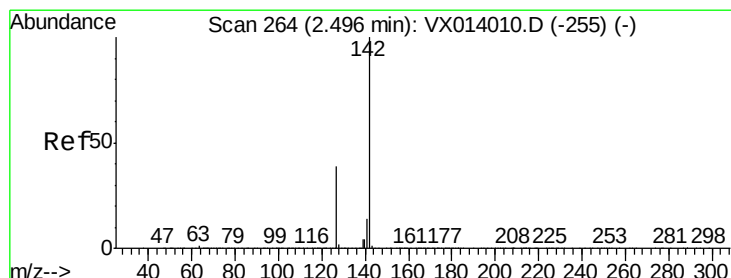
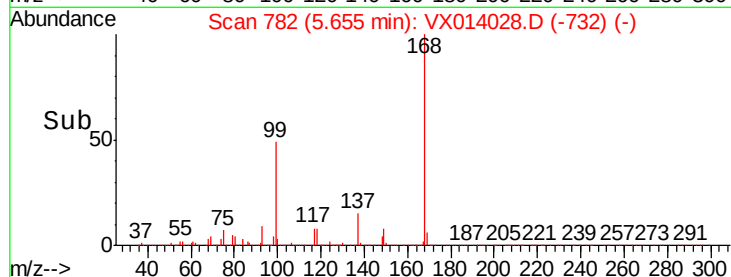
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 2.729 ug/l

RT: 2.52 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

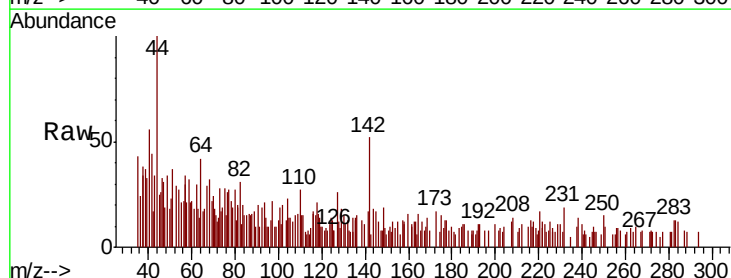
Tgt Ion:142 Resp: 856

Ion Ratio Lower Upper

142 100

127 0.0 31.6 47.4#

141 67.5 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

2.52

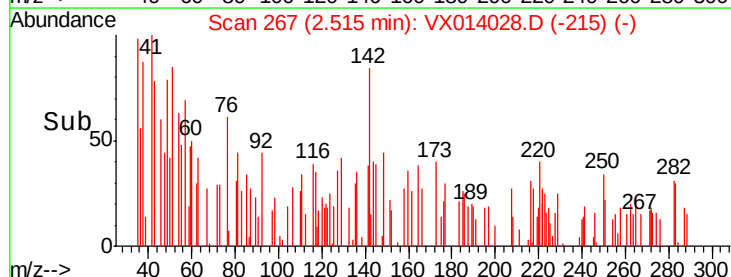
600

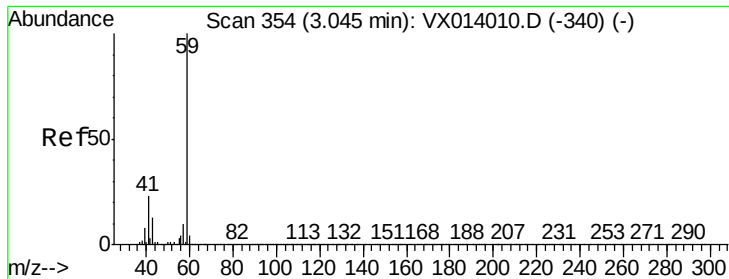
400

200

0

Time--> 2.45 2.50 2.55



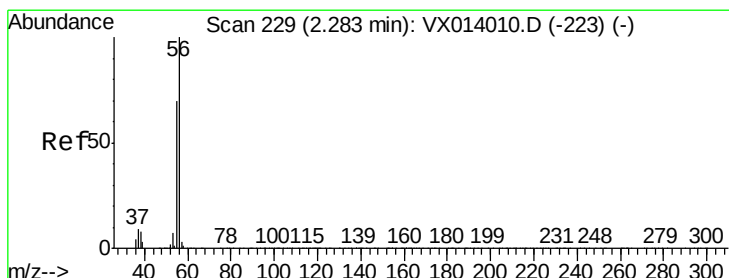
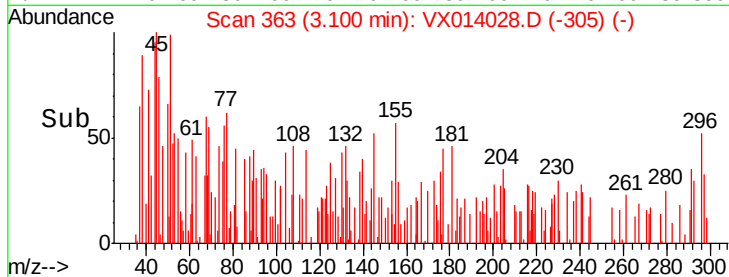
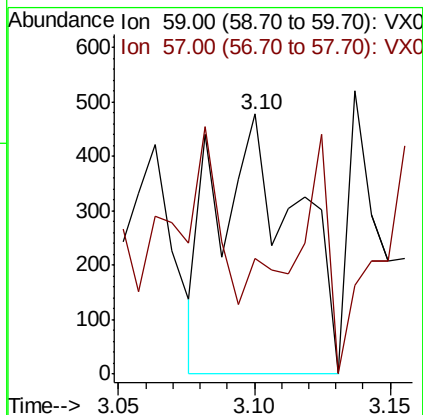
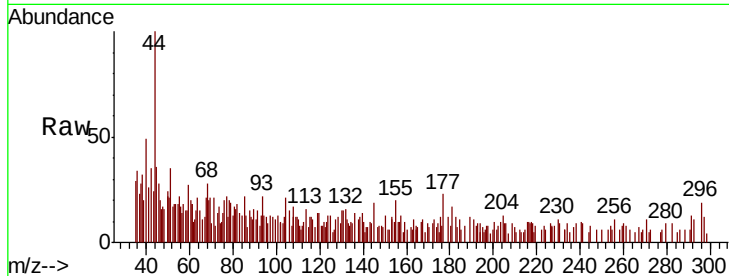


#11

Tert butyl alcohol
Concen: 0.661 ug/l
RT: 3.10 min Scan# 363
Delta R.T. 0.06 min
Lab File: VX014028.D
Acq: 16 Dec 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

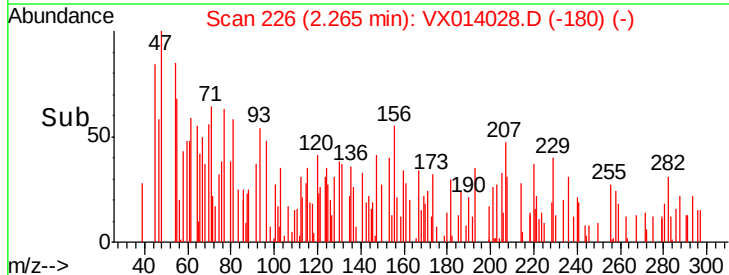
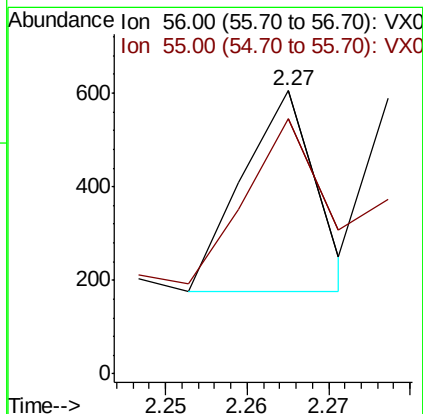
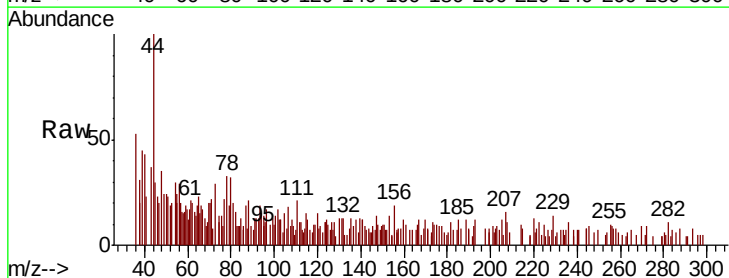
Tot Ion: 59 Resp: 972
Ion Ratio Lower Upper
59 100
57 32.7 8.4 12.6#

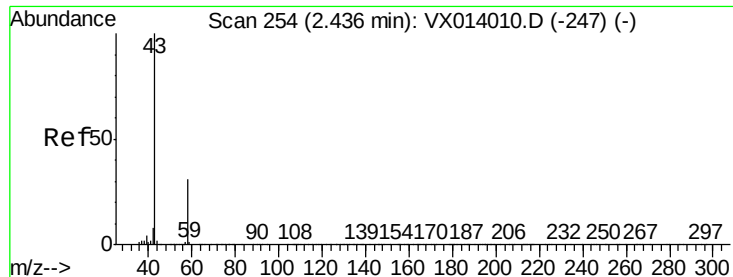


#13

Acrolein
Concen: 0.317 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX014028.D
Acq: 16 Dec 2019 12:30

Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 121.7 56.9 85.3#

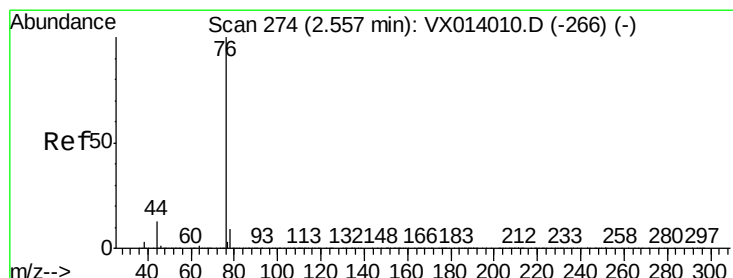
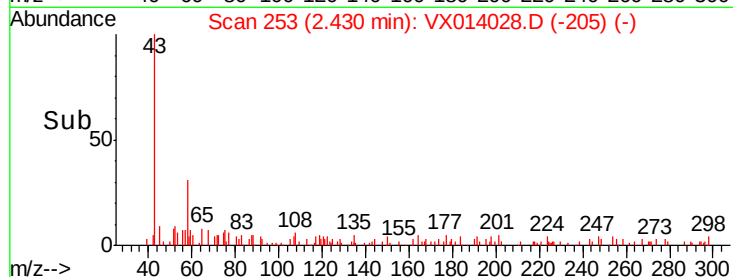
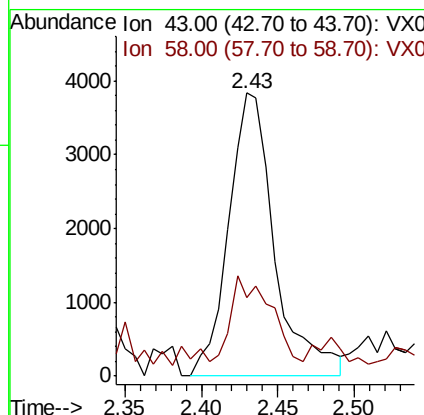
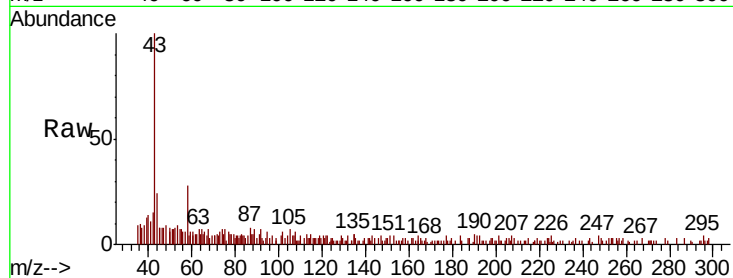




#16
Acetone
Concen: 1.820 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014028.D
Acq: 16 Dec 2019 12:30

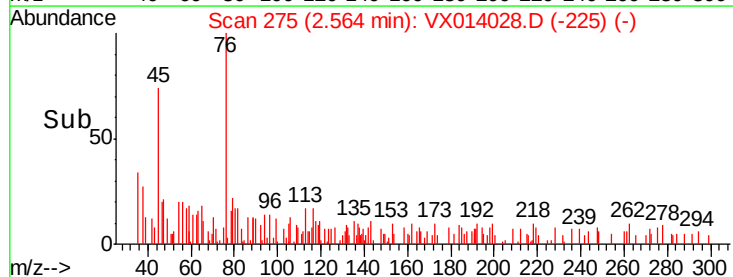
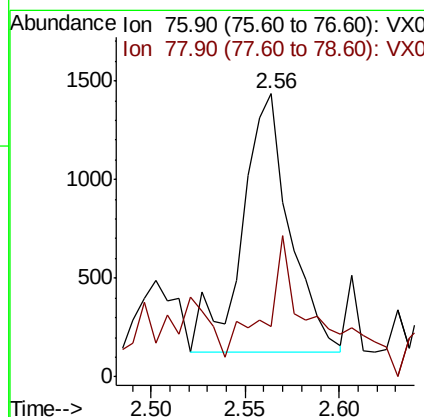
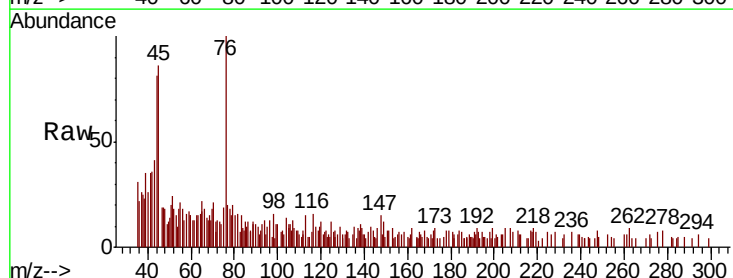
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

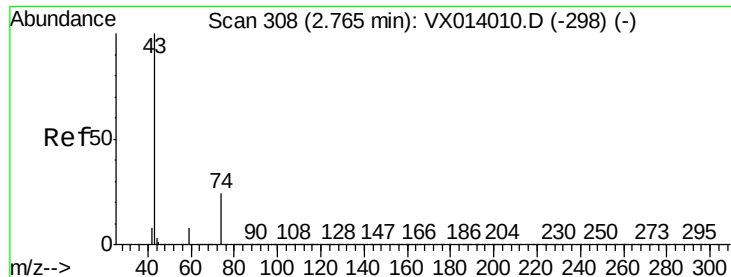
Tot Ion: 43 Resp: 8038
Ion Ratio Lower Upper
43 100
58 22.0 24.9 37.3#



#17
Carbon Disulfide
Concen: 0.891 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014028.D
Acq: 16 Dec 2019 12:30

Tgt Ion: 76 Resp: 2286
Ion Ratio Lower Upper
76 100
78 19.1 7.2 10.8#





#18

Methyl Acetate

Concen: 0.207 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

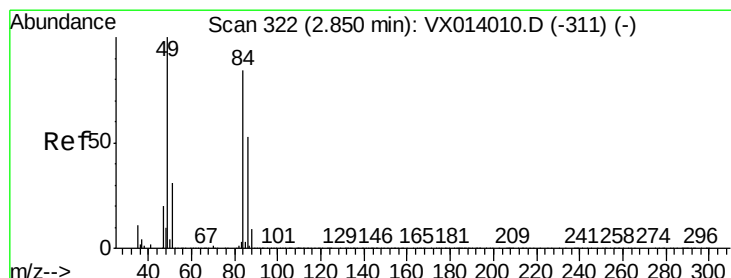
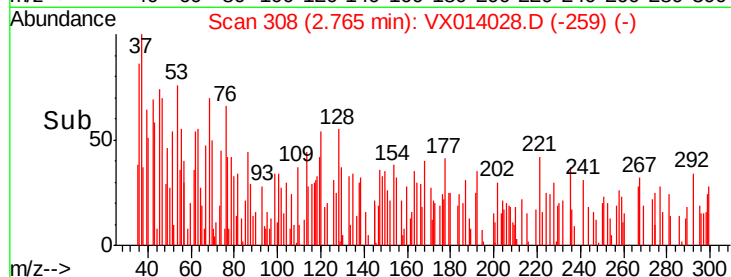
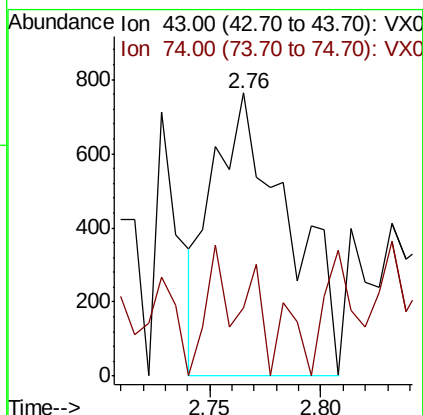
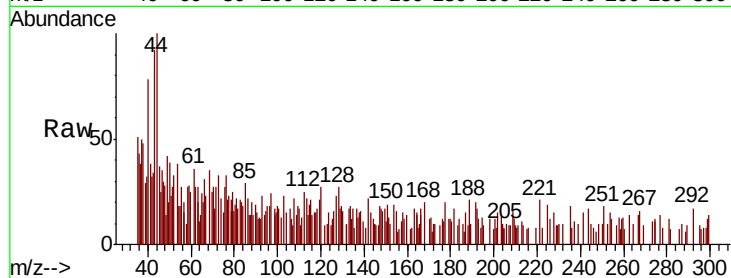
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 1813

Ion Ratio Lower Upper

43 100

74 22.3 19.5 29.3



#20

Methylene Chloride

Concen: 0.343 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

Tgt Ion: 84 Resp: 2386

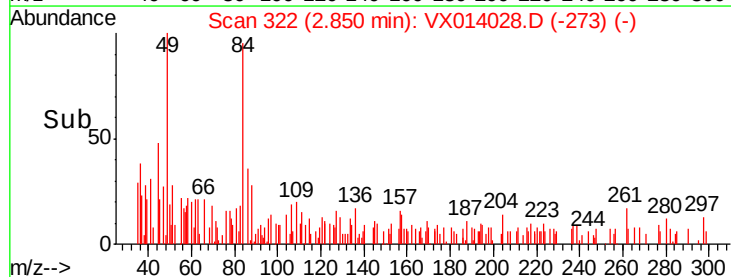
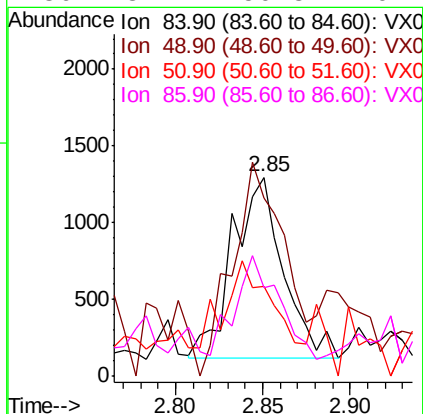
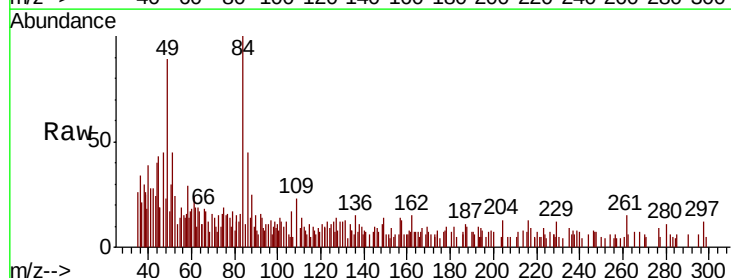
Ion Ratio Lower Upper

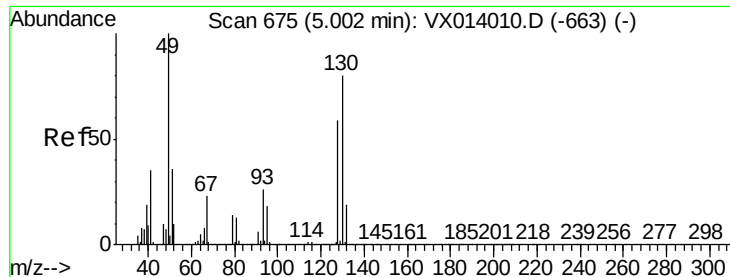
84 100

49 51.9 95.8 143.6#

51 33.6 29.8 44.8

86 34.4 50.8 76.2#





#28

Bromochloromethane

Concen: 0.571 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

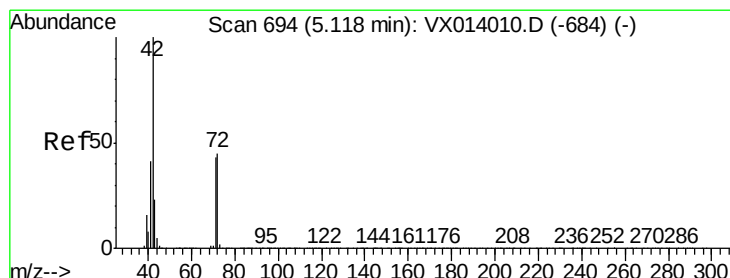
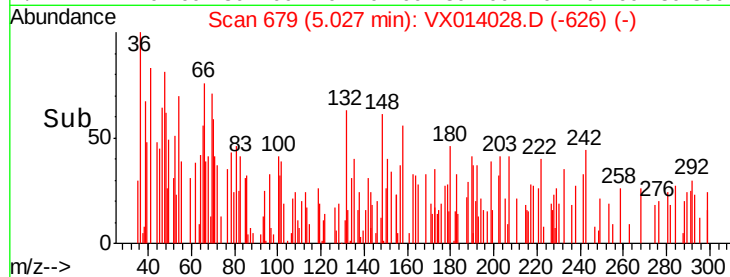
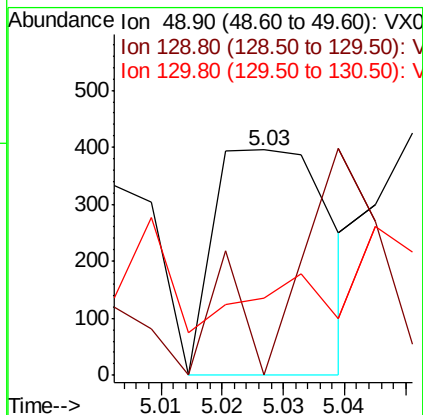
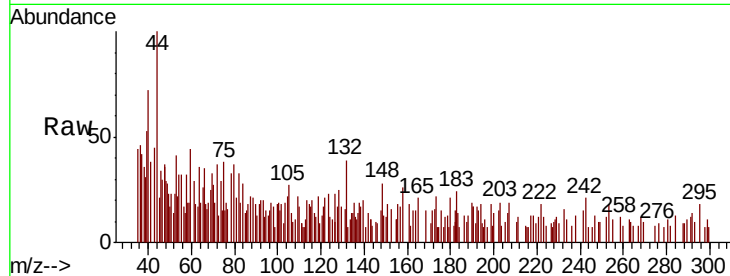
Tot Ion: 49 Resp: 521

Ion Ratio Lower Upper

49 100

129 98.7 0.0 5.0#

130 0.0 64.6 97.0#



#29

Tetrahydrofuran

Concen: 0.262 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.01 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

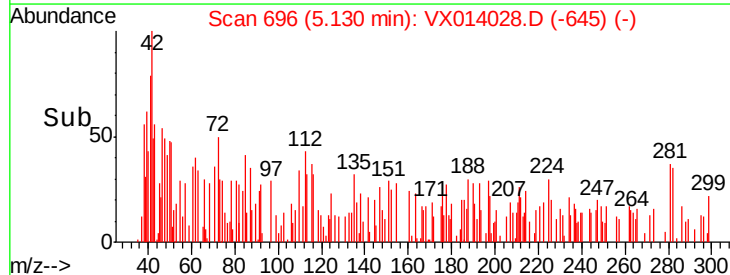
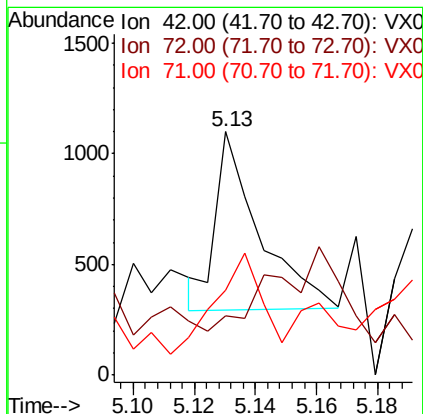
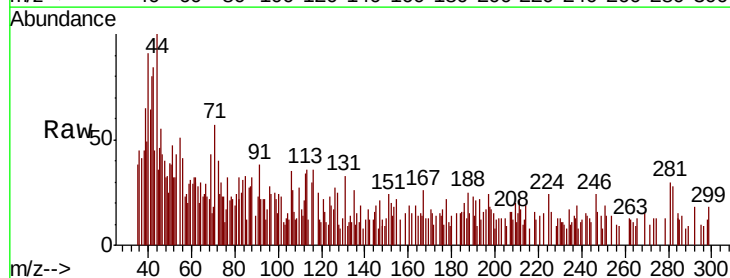
Tgt Ion: 42 Resp: 797

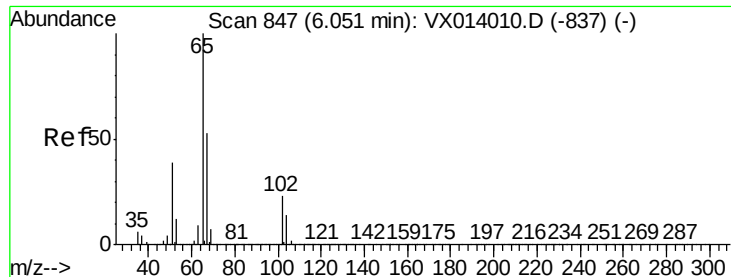
Ion Ratio Lower Upper

42 100

72 0.0 35.8 53.8#

71 59.2 33.6 50.4#





#33

1,2-Dichloroethane-d4

Concen: 48.951 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

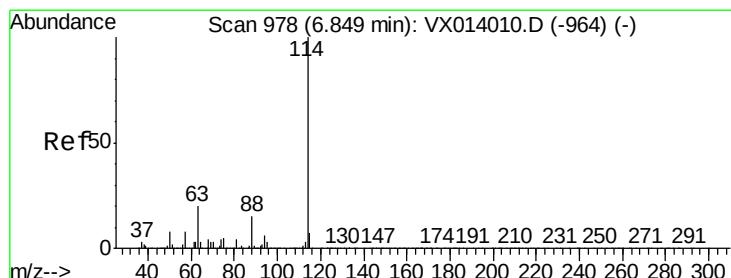
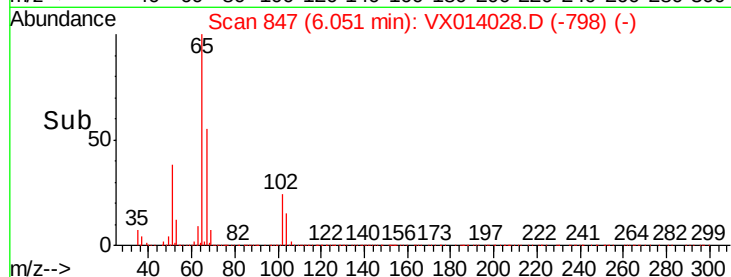
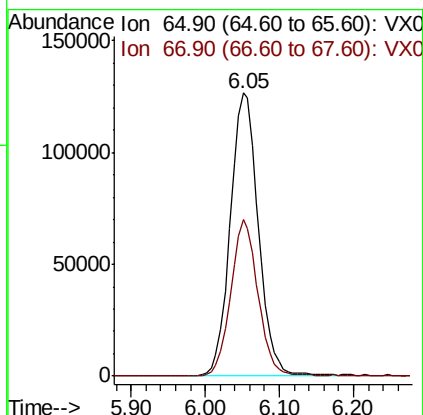
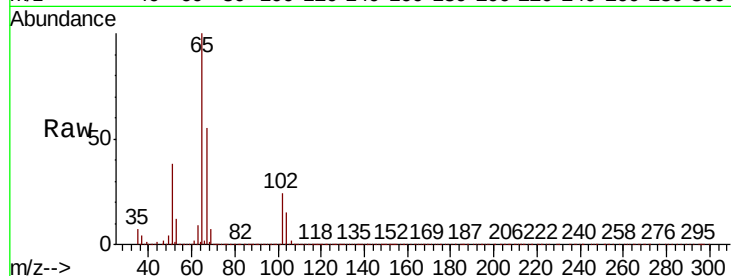
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 333003

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

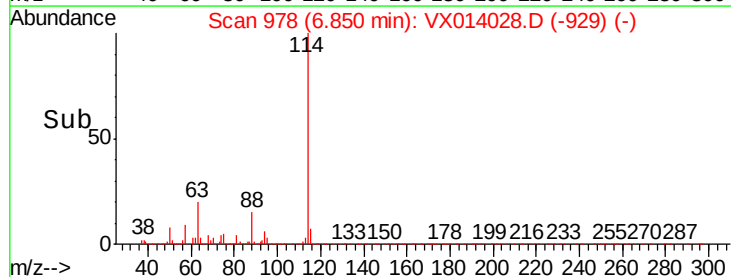
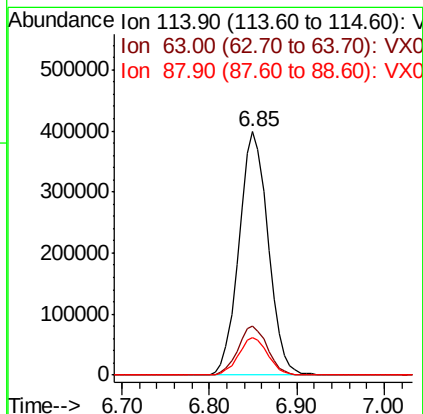
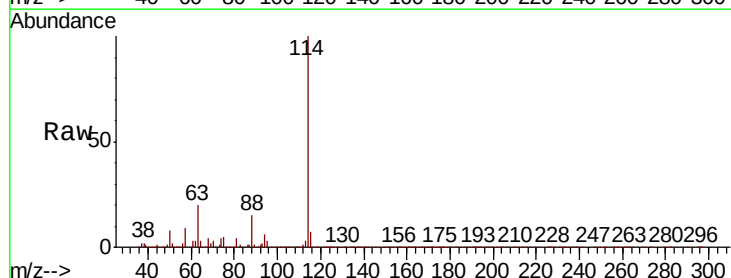
Tgt Ion: 114 Resp: 923131

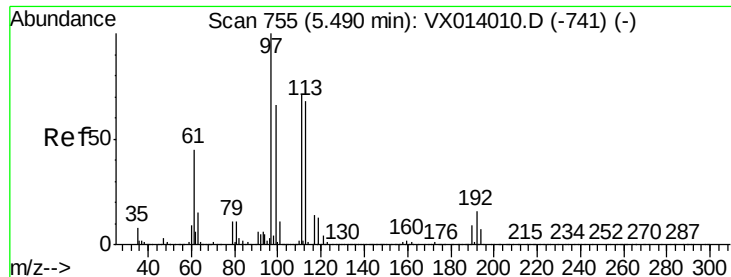
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.969 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

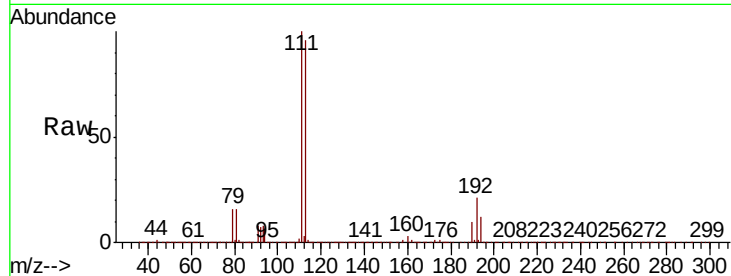
Tot Ion:113 Resp: 274796

Ion Ratio Lower Upper

113 100

111 103.7 82.0 123.0

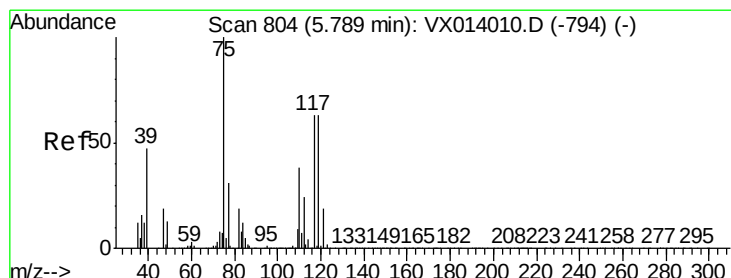
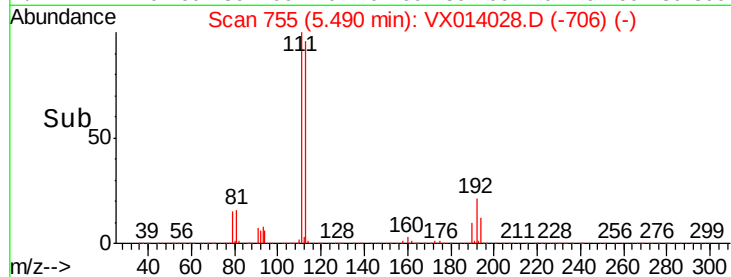
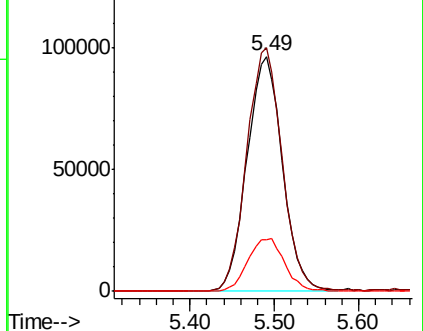
192 23.2 19.3 28.9



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: 4.940 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

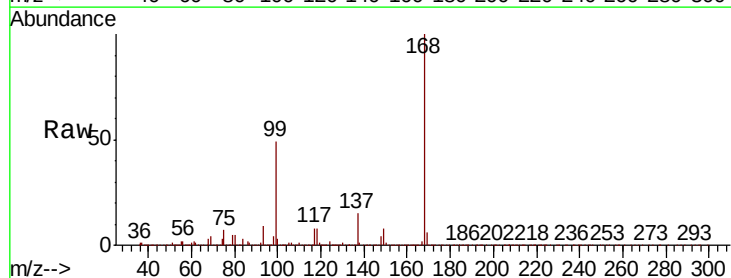
Tgt Ion: 75 Resp: 41840

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.9#

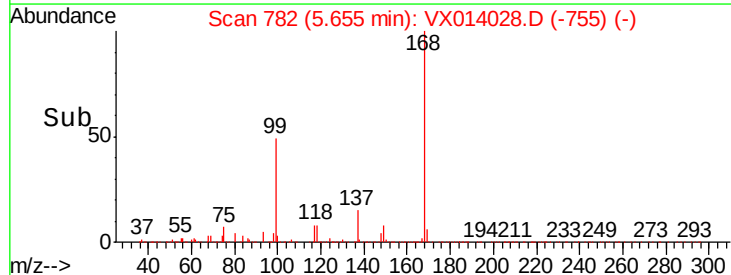
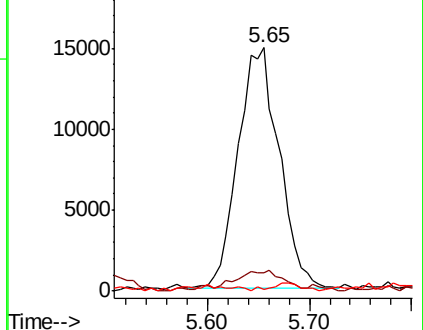
77 2.4 24.8 37.2#

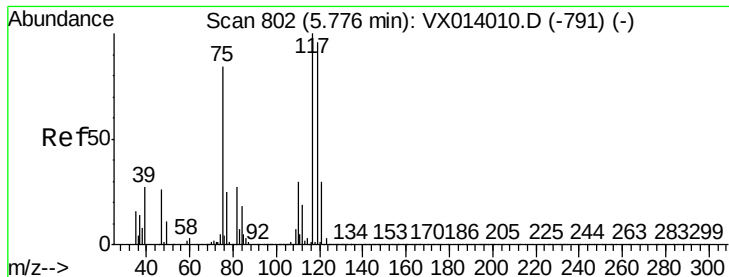


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.966 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

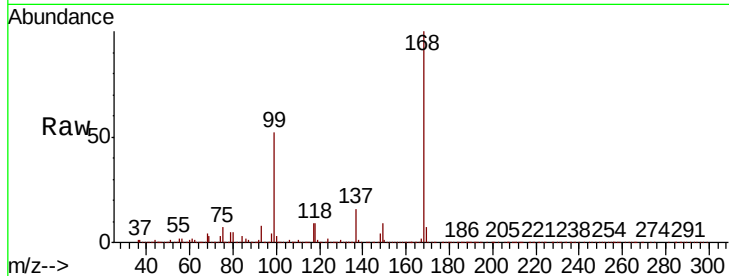
Tot Ion:117 Resp: 53755

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.4#

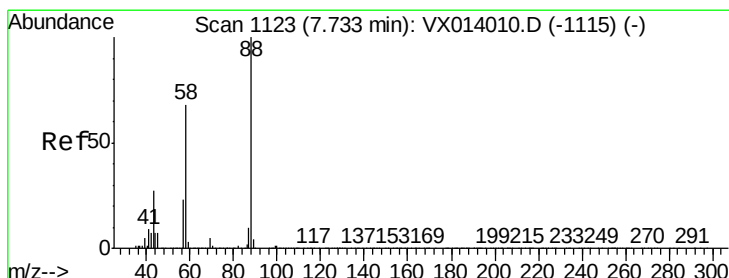
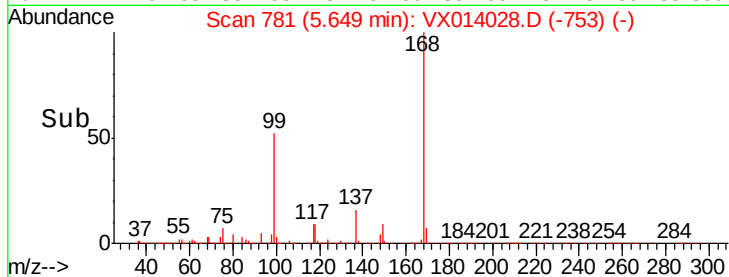
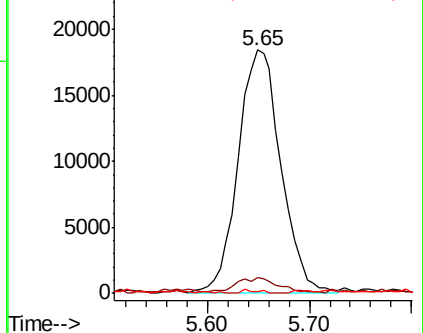
121 0.0 23.6 35.4#



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: 1.854 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.03 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

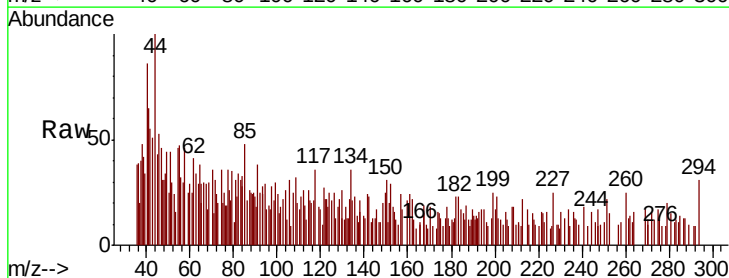
Tgt Ion: 88 Resp: 286

Ion Ratio Lower Upper

88 100

43 195.5 26.5 39.7#

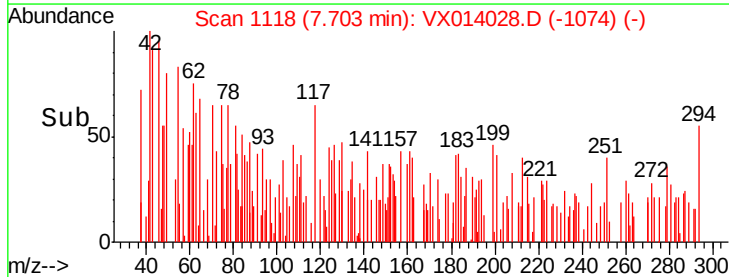
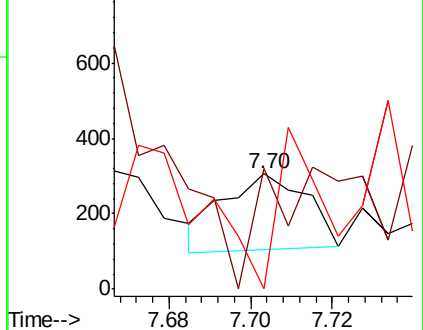
58 110.1 56.8 85.2#

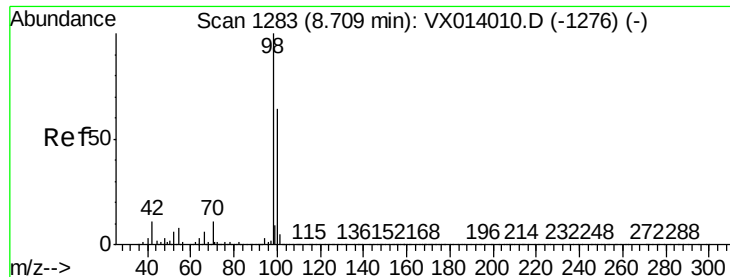


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.802 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

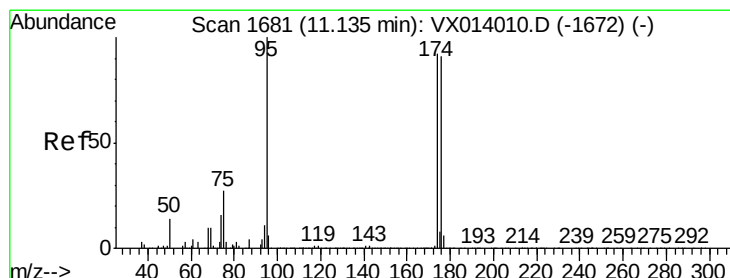
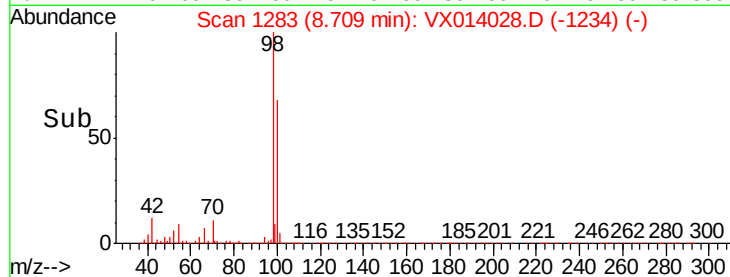
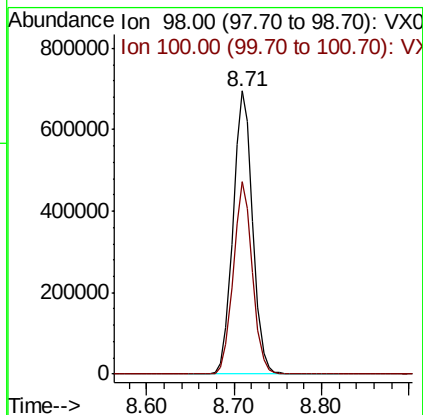
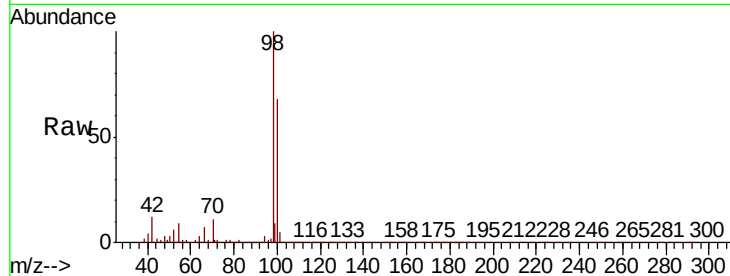
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 1088044

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.708 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

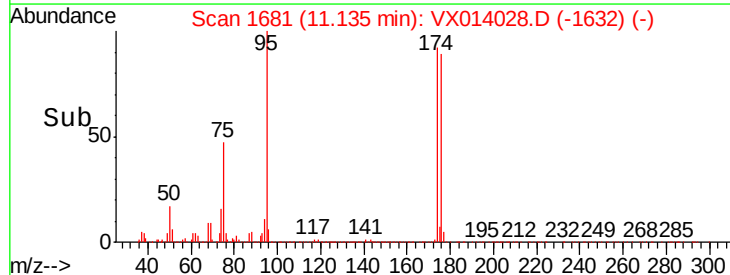
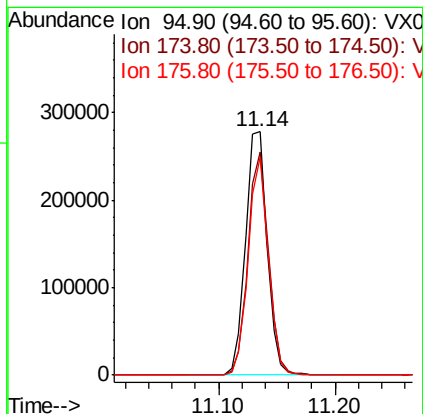
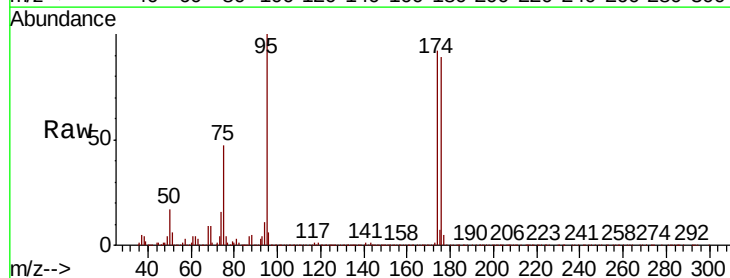
Tgt Ion: 95 Resp: 365034

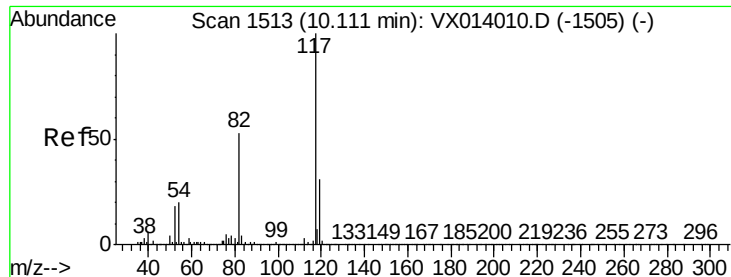
Ion Ratio Lower Upper

95 100

174 87.2 0.0 175.8

176 83.4 0.0 173.0

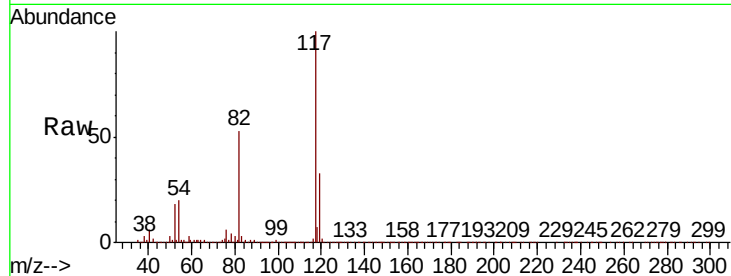




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014028.D
Acq: 16 Dec 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	32.6	25.1	37.7

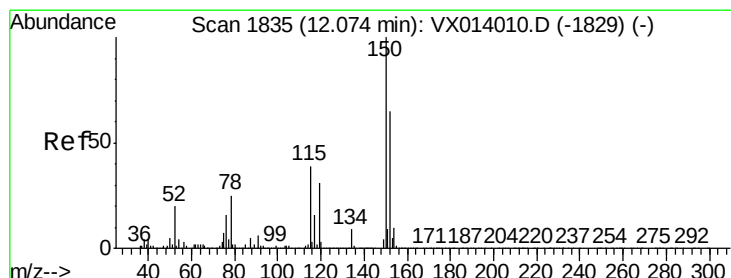
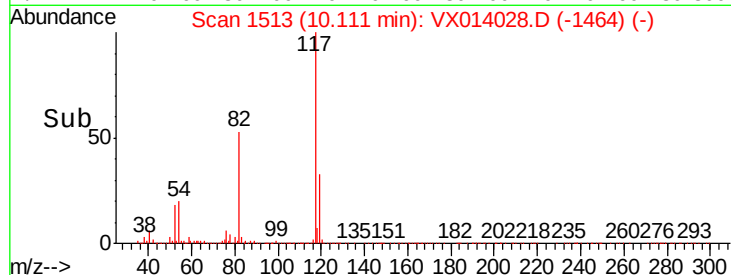
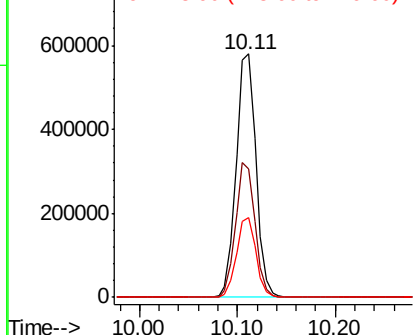


Abundance

Ion 116.90 (116.60 to 117.60): V

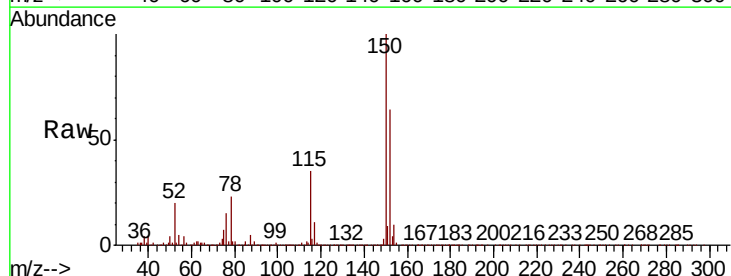
Ion 82.00 (81.70 to 82.70): VX0

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: VX014028.D
Acq: 16 Dec 2019 12:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.3	114.9
150	155.7	0.0	345.4

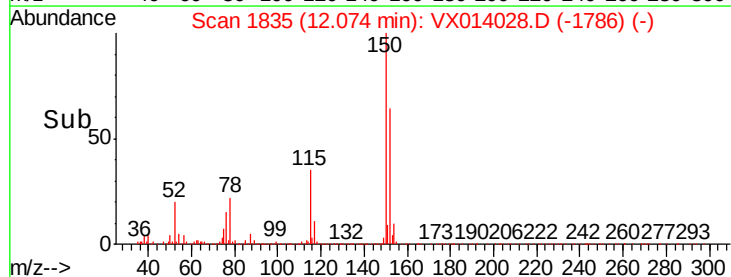
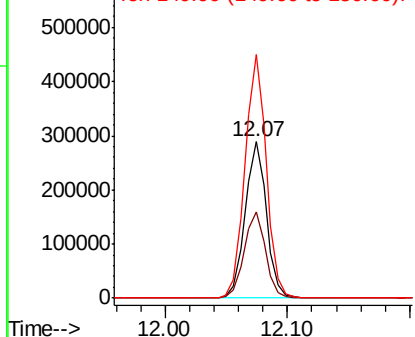


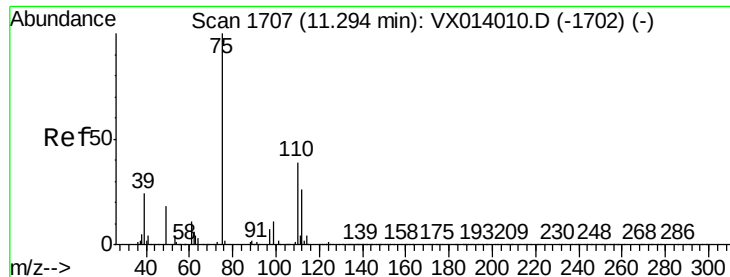
Abundance

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: 23.515 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

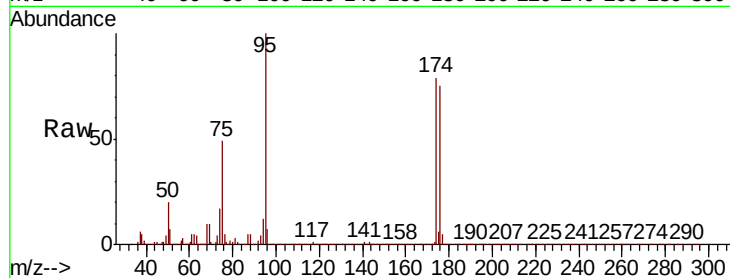
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 177553

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

11.13

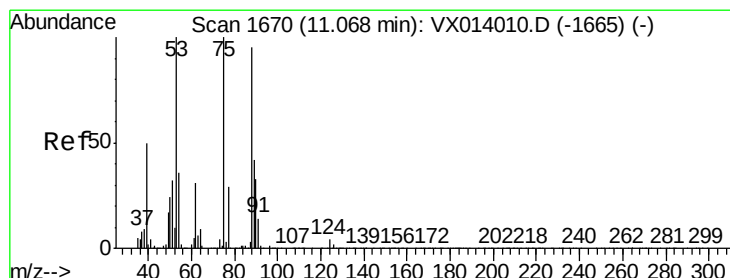
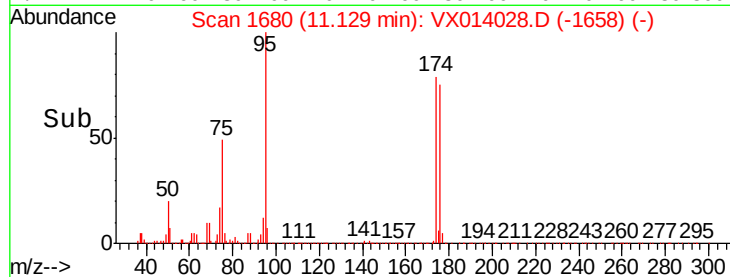
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 66.371 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014028.D

Acq: 16 Dec 2019 12:30

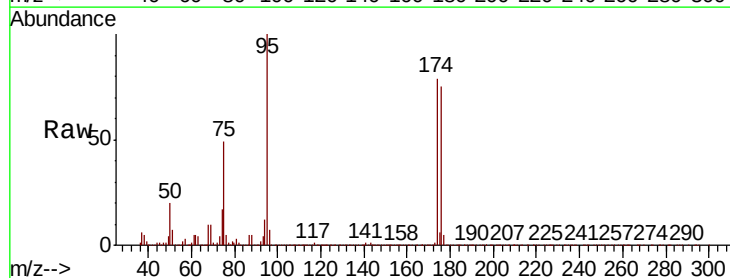
Tgt Ion: 75 Resp: 177553

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.2 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

11.13

150000

100000

50000

0

Time-->

