

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071018\
 Data File : VX003299.D
 Acq On : 10 Jul 2018 21:56
 Operator : JC/MD
 Sample : J3892-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE BLANK-WATER REF-4

Quant Time: Jul 11 00:57:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	341782	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177966	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	157169	40.52	ug/l	0.00
Spiked Amount			Recovery	=	81.04%	
35) Dibromofluoromethane	5.51	113	132426	36.06	ug/l	0.00
Spiked Amount			Recovery	=	72.12%	
50) Toluene-d8	8.72	98	479753	36.78	ug/l	0.00
Spiked Amount			Recovery	=	73.56%	
62) 4-Bromofluorobenzene	11.14	95	167093	34.67	ug/l	0.00
Spiked Amount			Recovery	=	69.34%	

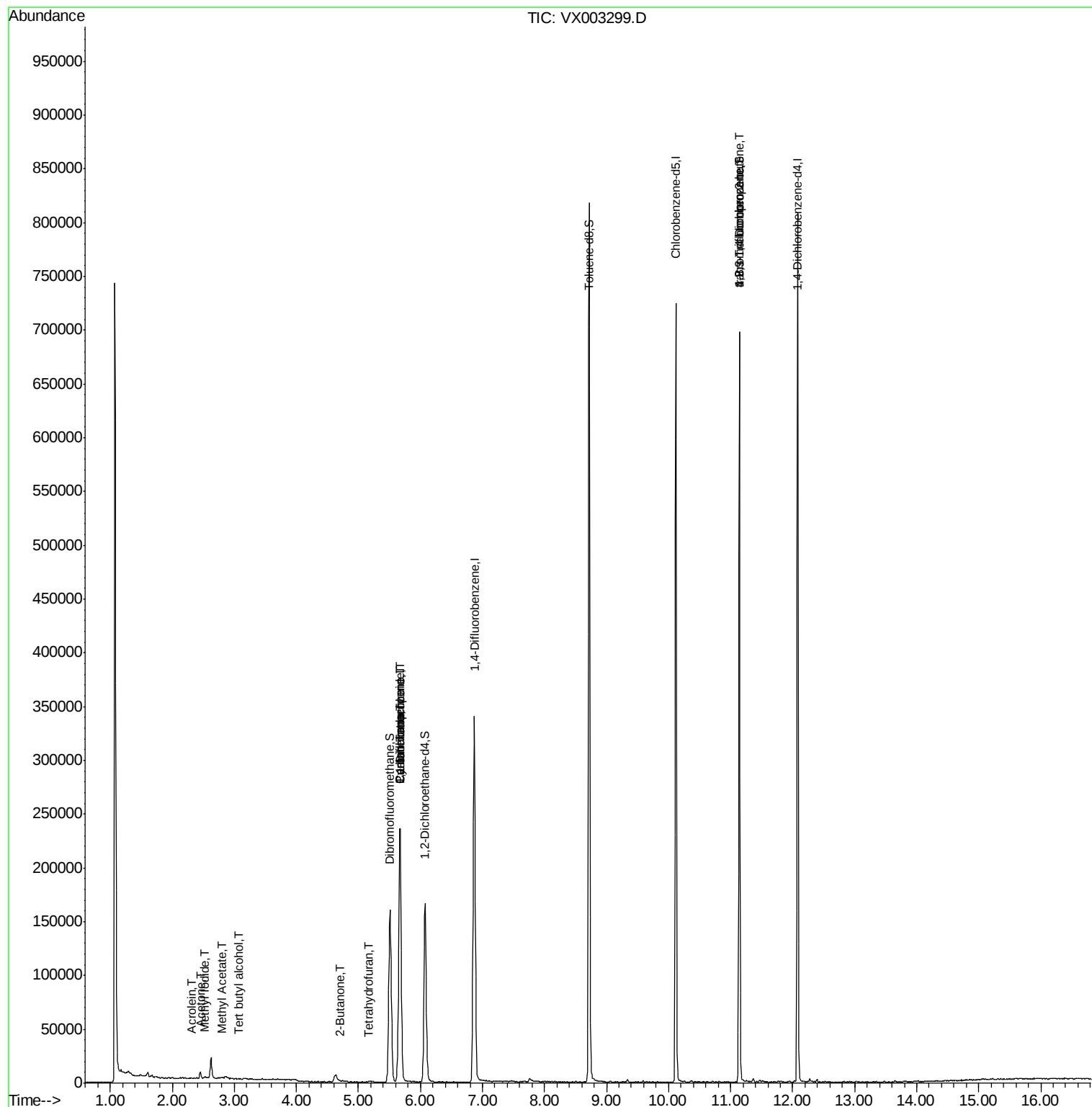
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1472	Below Cal		86
10) Methyl Iodide	2.52	142	1892	6.15	ug/l	99
11) Tert butyl alcohol	3.07	59	214	0.30	ug/l #	1
13) Acrolein	2.31	56	222	0.39	ug/l #	38
16) Acetone	2.45	43	6813	4.95	ug/l	99
18) Methyl Acetate	2.79	43	1042	0.27	ug/l #	65
20) Methylene Chloride	2.86	84	569	Below Cal	#	83
25) 2-Butanone	4.71	43	525	0.22	ug/l #	52
29) Tetrahydrofuran	5.17	42	860	0.54	ug/l #	85
31) Cyclohexane	5.67	56	4221	0.83	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15960	3.30	ug/l #	41
38) Carbon Tetrachloride	5.67	117	22273	4.21	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	81213	21.12	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	81213	69.01	ug/l #	7

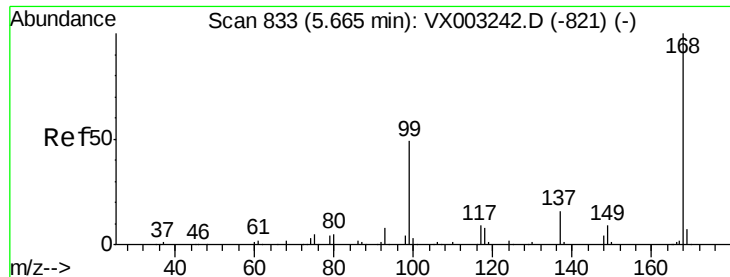
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003299.D

Acq: 10 Jul 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

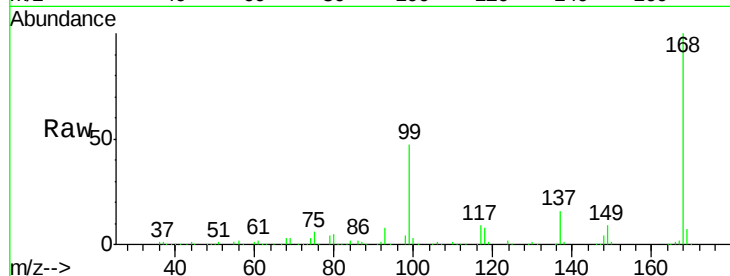
STORAGEBLANK-WATERREF-4

Tot Ion:168 Resp: 246448

Ion Ratio Lower Upper

168 100

99 47.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

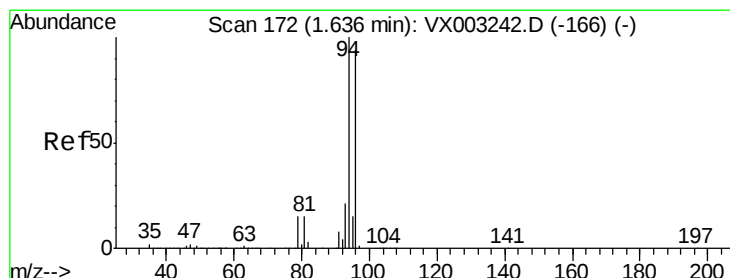
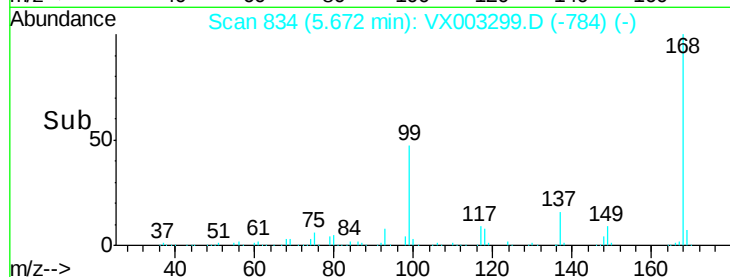
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003299.D

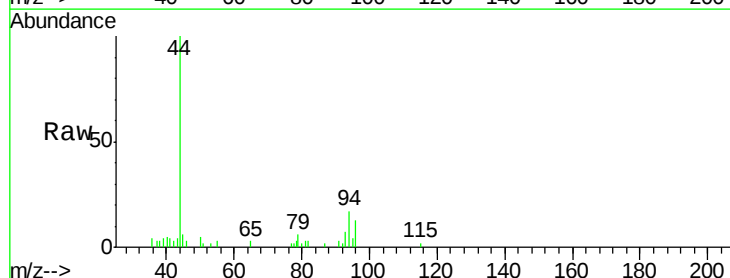
Acq: 10 Jul 2018 21:56

Tgt Ion: 94 Resp: 1472

Ion Ratio Lower Upper

94 100

96 80.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

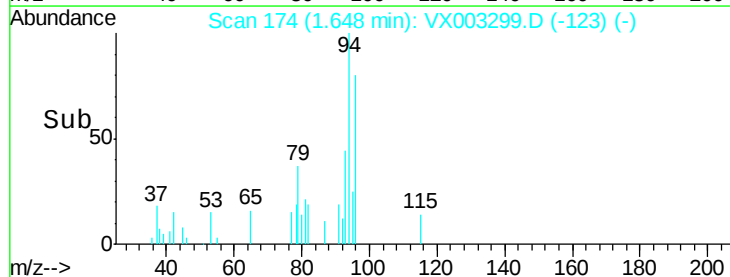
300

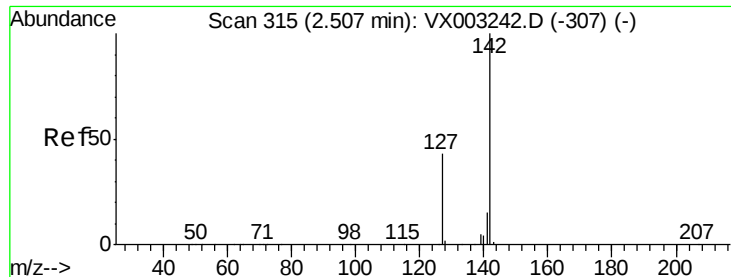
200

100

0

Time--> 1.55 1.60 1.65 1.70 1.75

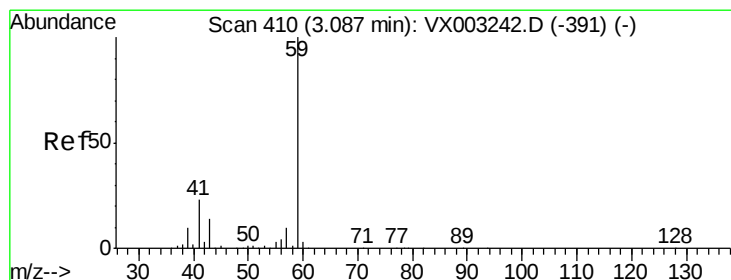
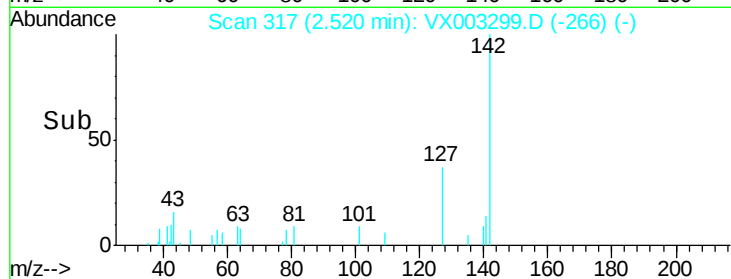
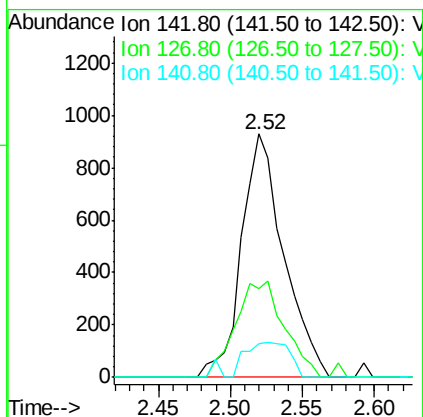
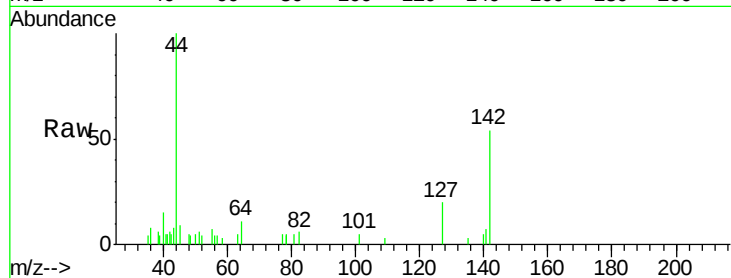




#10
Methyl Iodide
Concen: 6.15 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003299.D
Acq: 10 Jul 2018 21:56

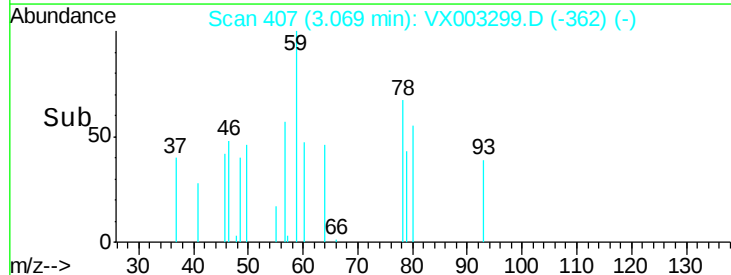
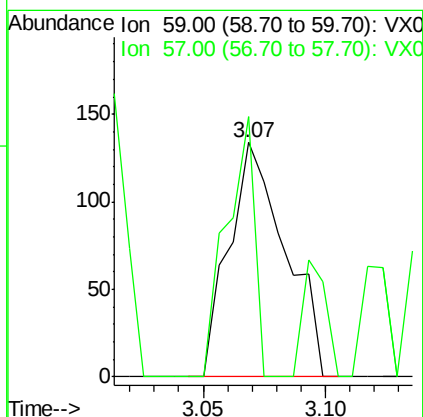
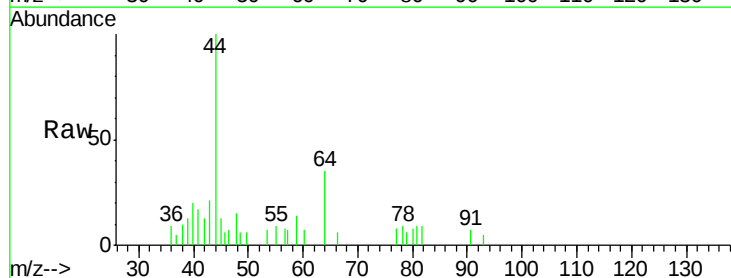
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

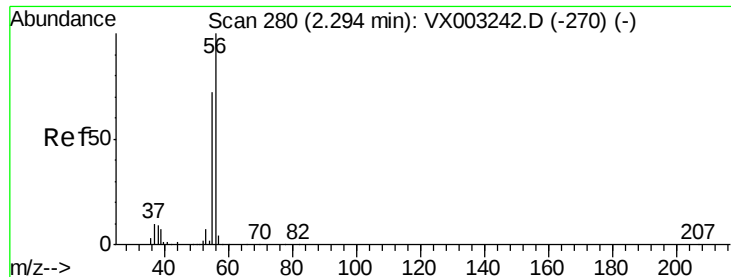
Tot Ion:142 Resp: 1892
Ion Ratio Lower Upper
142 100
127 45.5 36.6 55.0
141 15.0 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.30 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX003299.D
Acq: 10 Jul 2018 21:56

Tgt Ion: 59 Resp: 214
Ion Ratio Lower Upper
59 100
57 55.1 8.2 12.2#





#13

Acrolein

Concen: 0.39 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX003299.D

Acq: 10 Jul 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

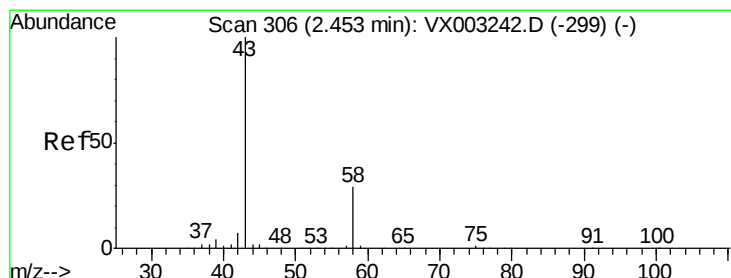
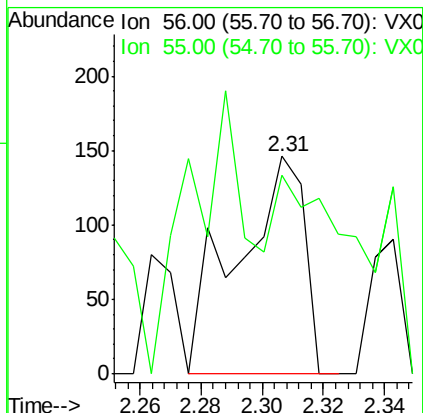
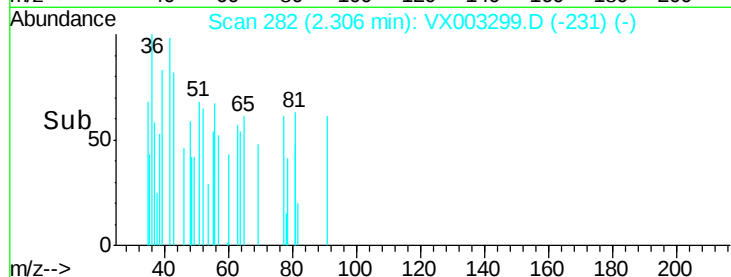
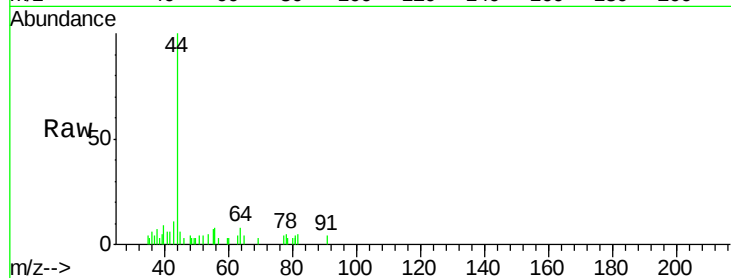
STORAGEBLANK-WATERREF-4

Tot Ion: 56 Resp: 222

Ion Ratio Lower Upper

56 100

55 122.5 57.0 85.4#



#16

Acetone

Concen: 4.95 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003299.D

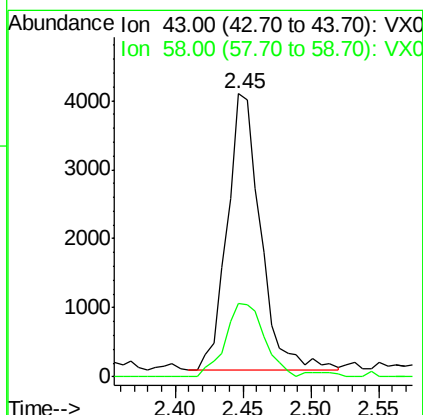
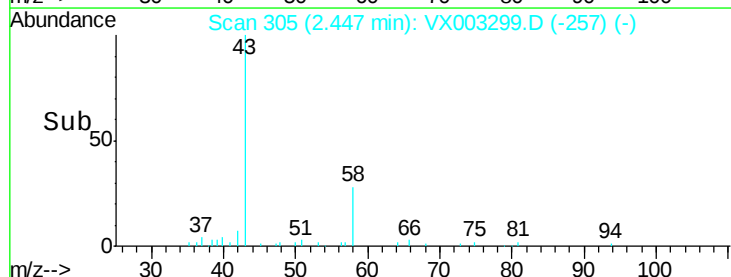
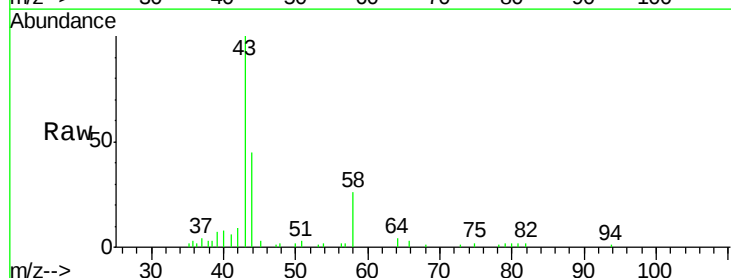
Acq: 10 Jul 2018 21:56

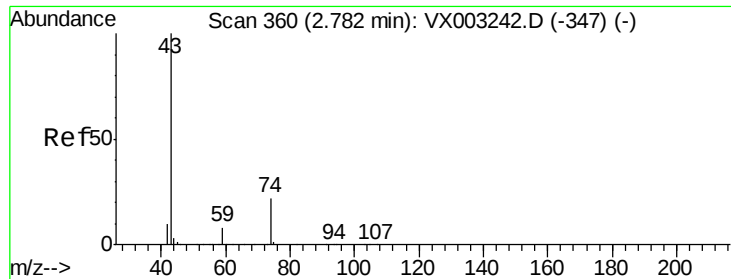
Tgt Ion: 43 Resp: 6813

Ion Ratio Lower Upper

43 100

58 26.8 22.1 33.1

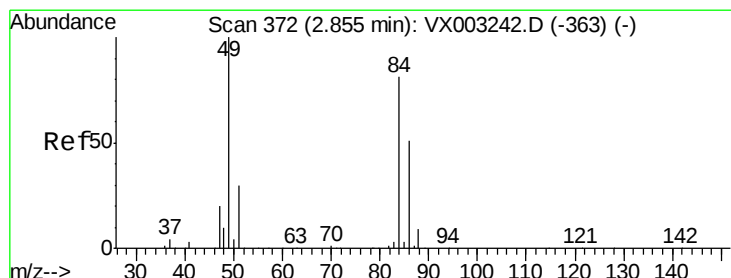
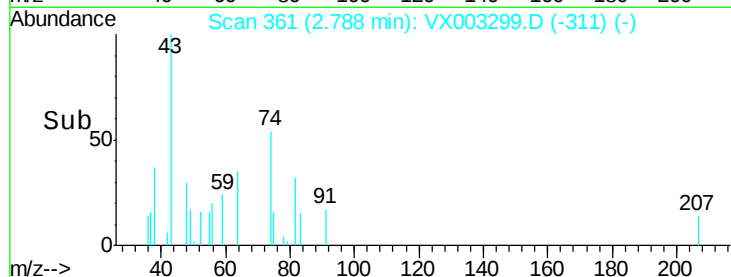
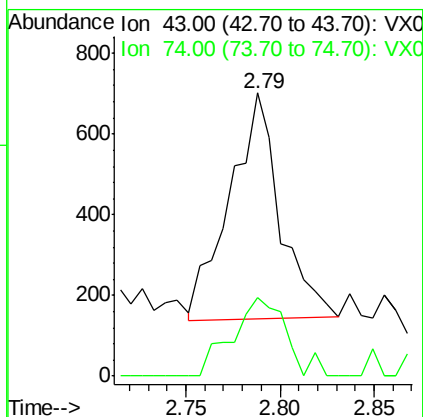
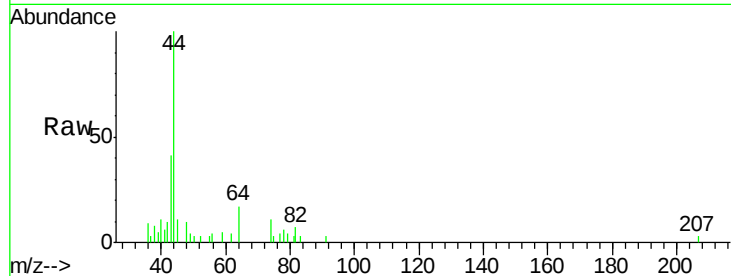




#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX003299.D
Acq: 10 Jul 2018 21:56

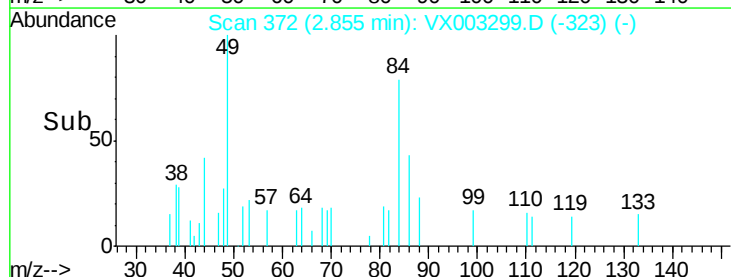
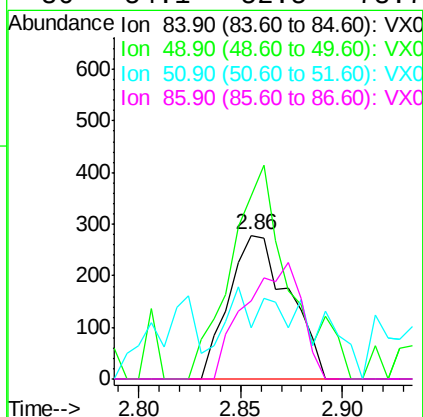
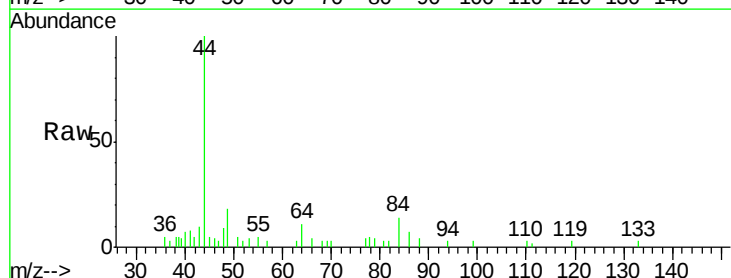
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

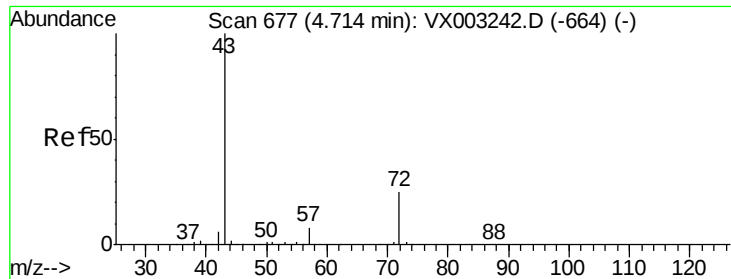
Tot Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
74 37.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003299.D
Acq: 10 Jul 2018 21:56

Tgt Ion: 84 Resp: 569
Ion Ratio Lower Upper
84 100
49 127.2 107.8 161.6
51 5.7 32.8 49.2#
86 54.1 52.5 78.7





#25

2-Butanone

Concen: 0.22 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003299.D

Acq: 10 Jul 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

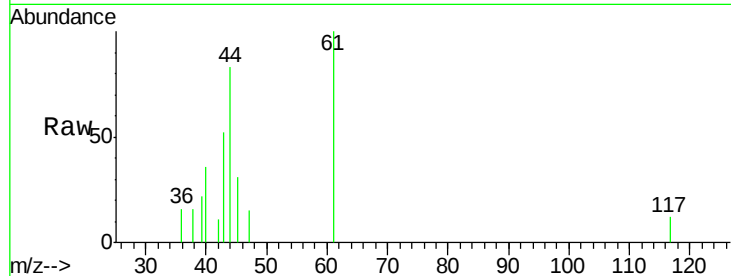
STORAGEBLANK-WATERREF-4

Tot Ion: 43 Resp: 525

Ion Ratio Lower Upper

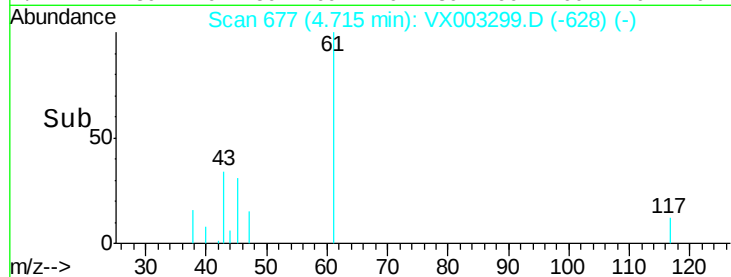
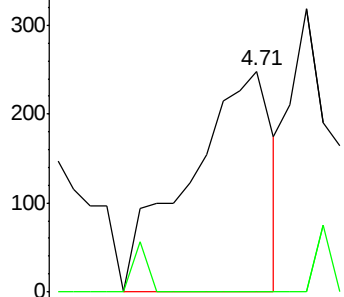
43 100

72 0.0 18.5 27.7#

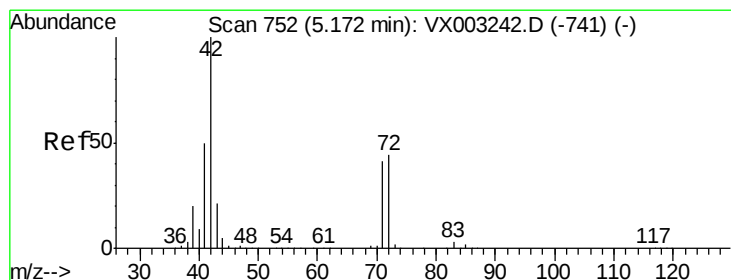


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.54 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX003299.D

Acq: 10 Jul 2018 21:56

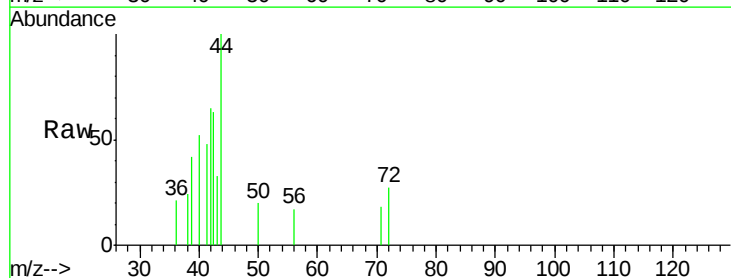
Tgt Ion: 42 Resp: 860

Ion Ratio Lower Upper

42 100

72 34.1 32.0 48.0

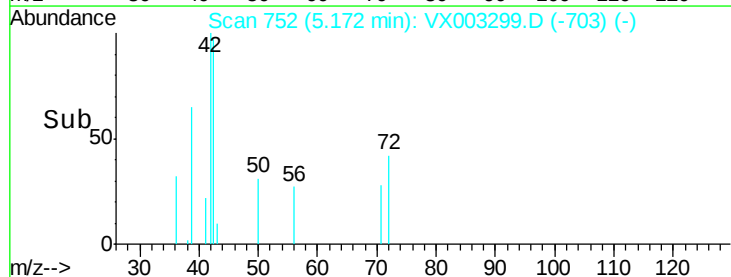
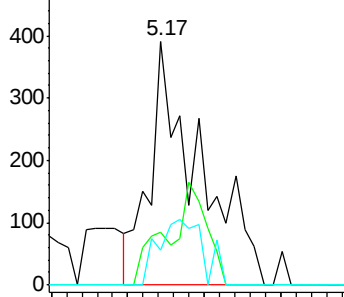
71 25.2 30.1 45.1#



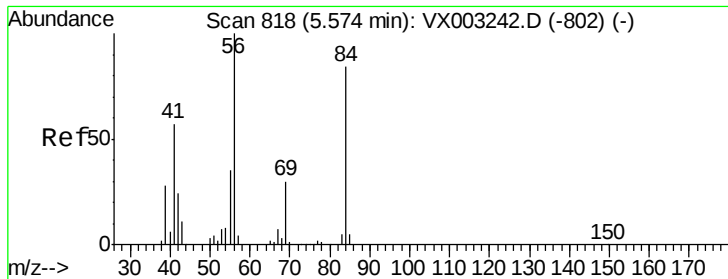
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



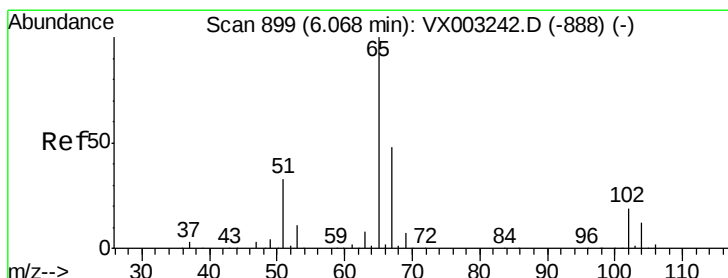
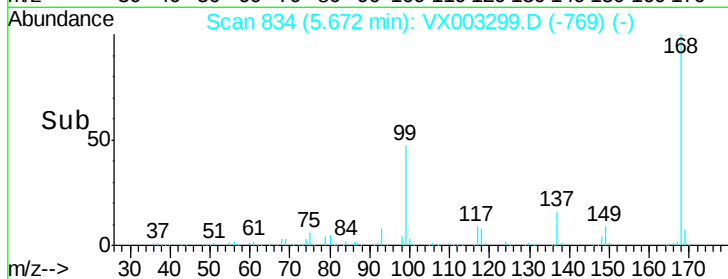
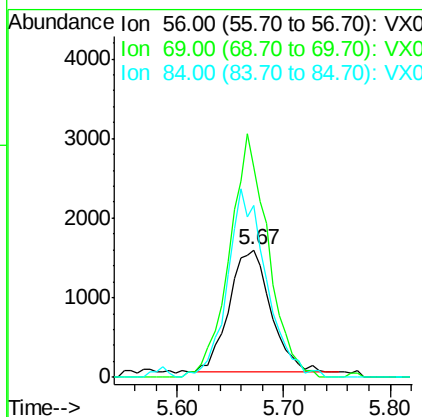
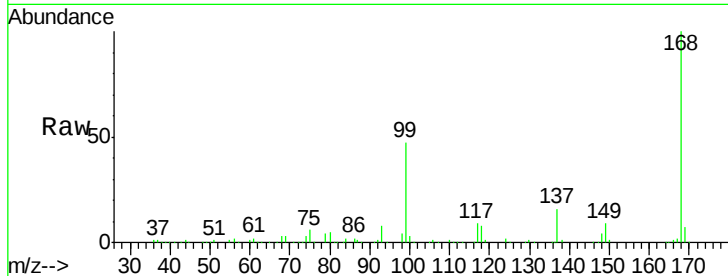
Time-->



#31
Cyclohexane
Concen: 0.83 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX003299.D
Acq: 10 Jul 2018 21:56

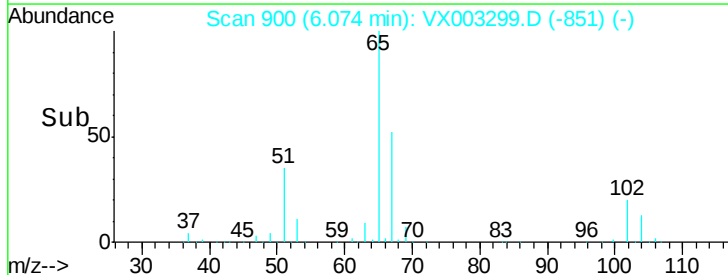
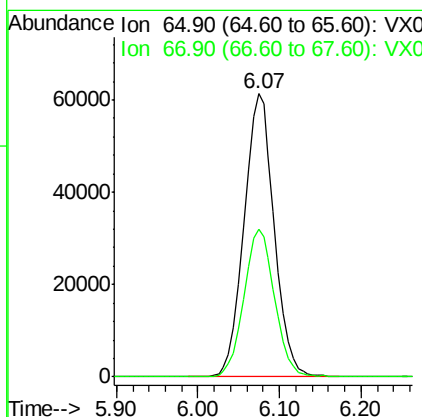
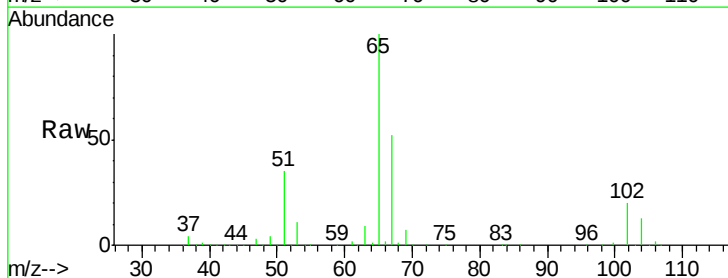
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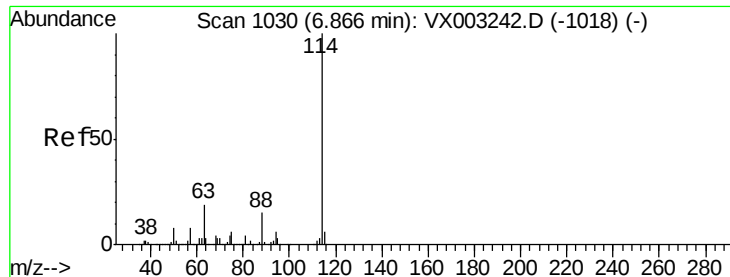
Tot Ion: 56 Resp: 4221
Ion Ratio Lower Upper
56 100
69 171.3 23.7 35.5#
84 140.4 64.1 96.1#



#33
1,2-Dichloroethane-d4
Concen: 40.52 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX003299.D
Acq: 10 Jul 2018 21:56

Tgt Ion: 65 Resp: 157169
Ion Ratio Lower Upper
65 100
67 53.2 0.0 102.6

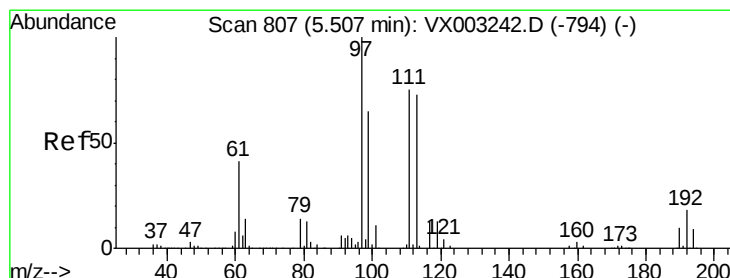
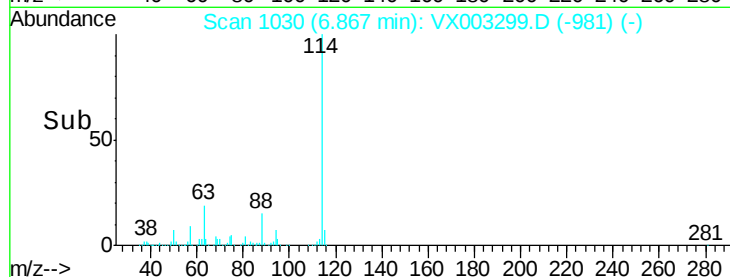
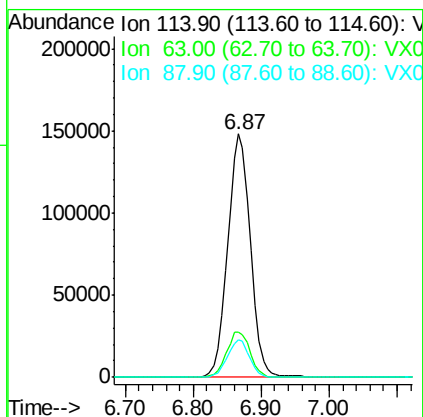
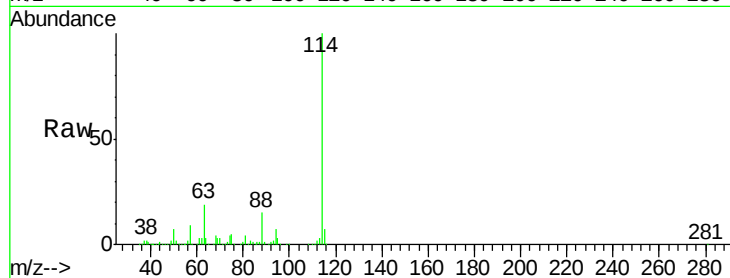




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003299.D
 Acq: 10 Jul 2018 21:56

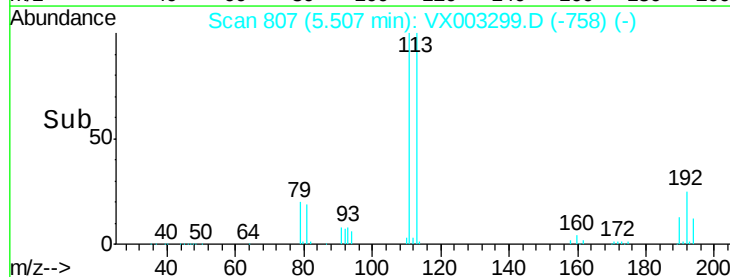
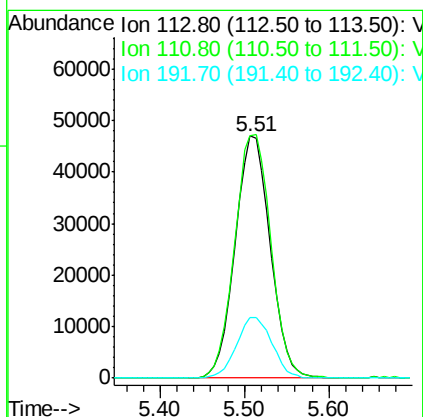
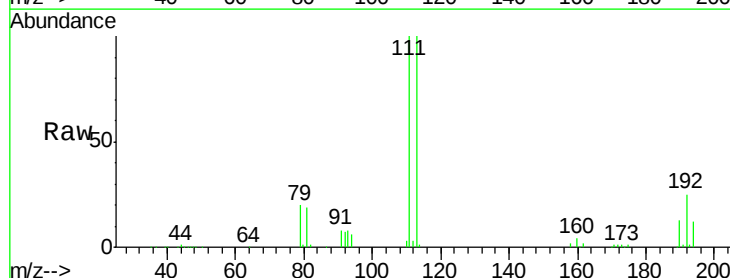
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

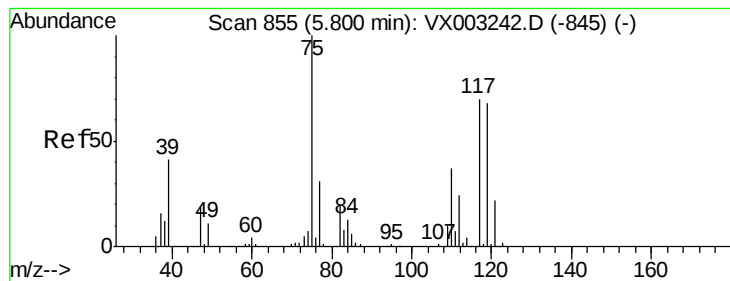
Tot Ion:114 Resp: 341782
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 41.4
 88 15.5 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 36.06 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003299.D
 Acq: 10 Jul 2018 21:56

Tgt Ion:113 Resp: 132426
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.4 122.0
 192 25.4 19.1 28.7





#36

1,1-Dichloropropene

Concen: 3.30 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003299.D

Acq: 10 Jul 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

STORAGEBLANK-WATERREF-4

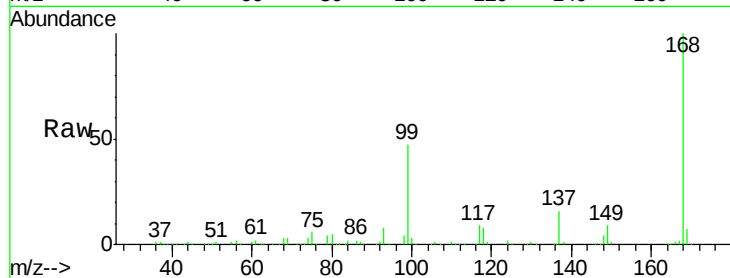
Tot Ion: 75 Resp: 15960

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.4#

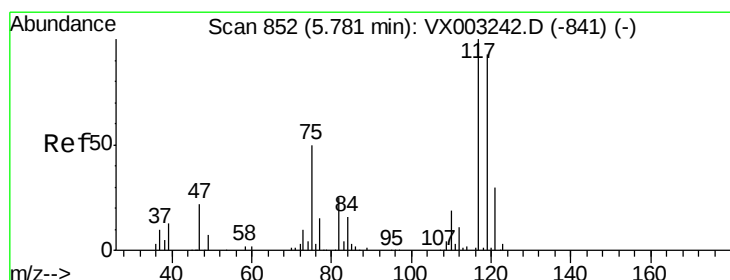
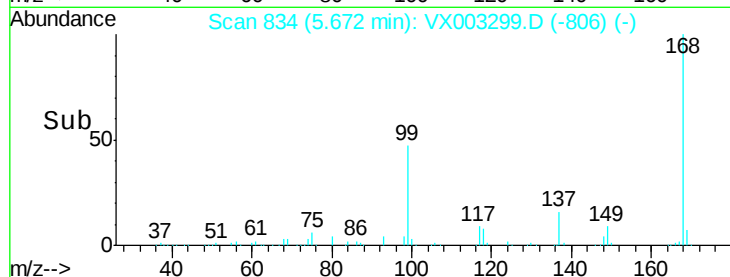
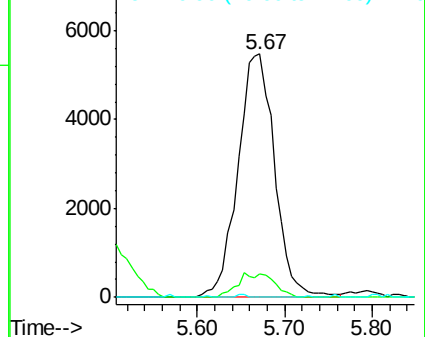
77 0.0 24.3 36.5#



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: 4.21 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003299.D

Acq: 10 Jul 2018 21:56

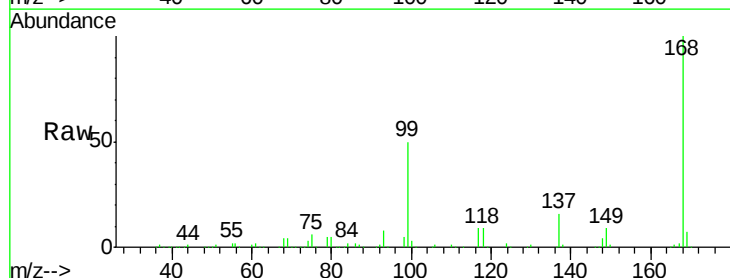
Tgt Ion: 117 Resp: 22273

Ion Ratio Lower Upper

117 100

119 4.8 77.4 116.0#

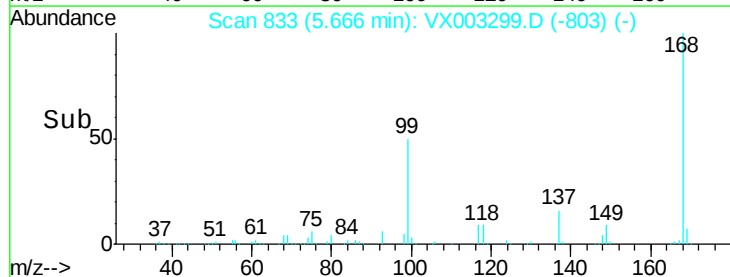
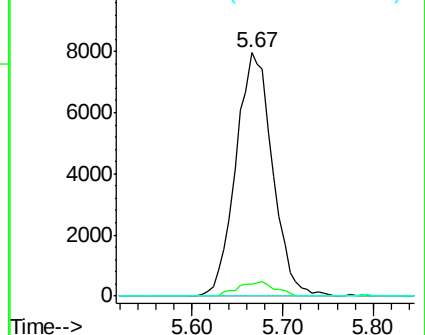
121 0.0 24.4 36.6#

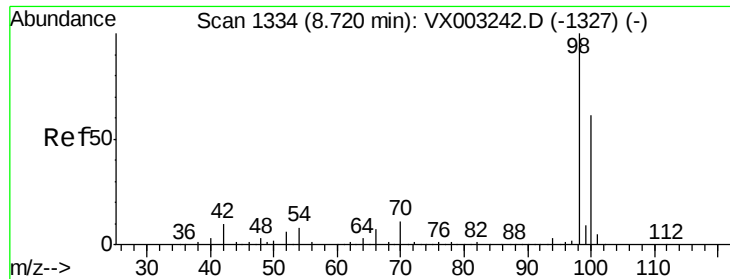


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 36.78 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003299.D

Acq: 10 Jul 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

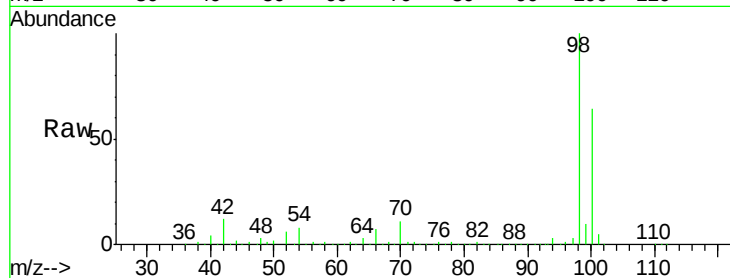
STORAGEBLANK-WATERREF-4

Tot Ion: 98 Resp: 479753

Ion Ratio Lower Upper

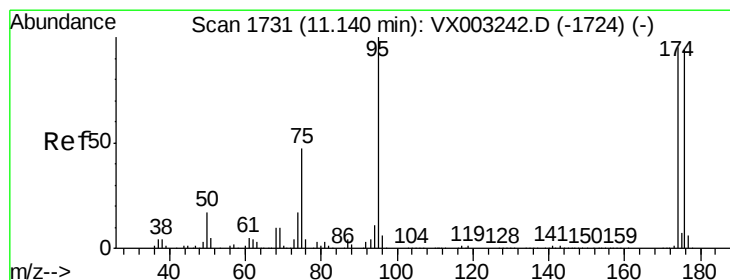
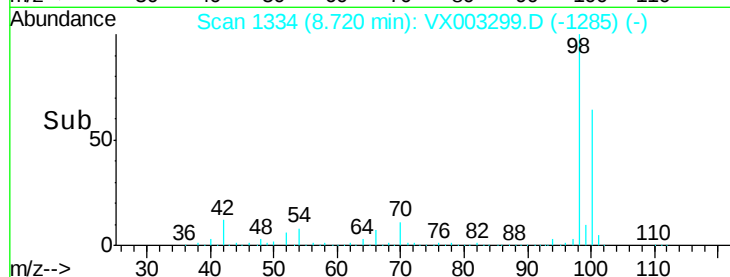
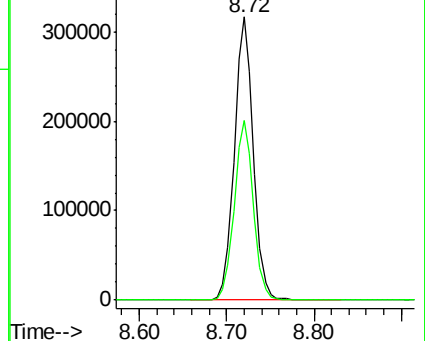
98 100

100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 34.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003299.D

Acq: 10 Jul 2018 21:56

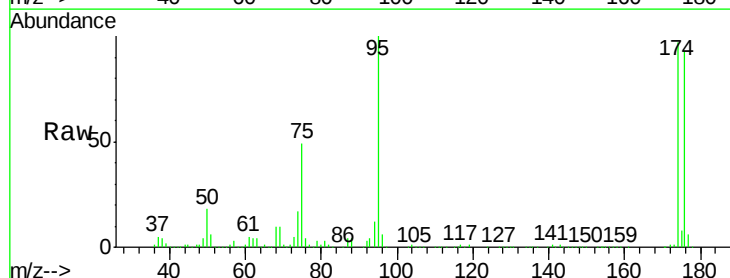
Tgt Ion: 95 Resp: 167093

Ion Ratio Lower Upper

95 100

174 100.0 0.0 187.4

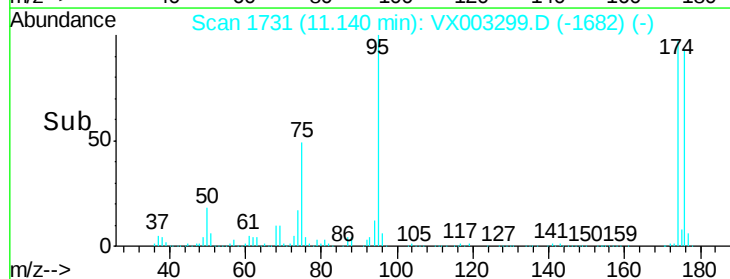
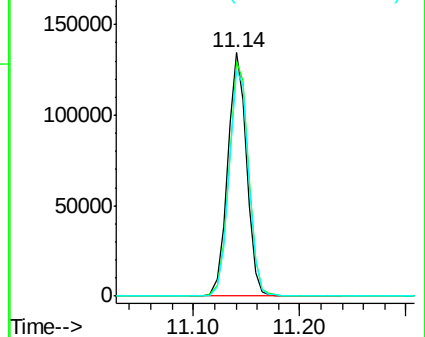
176 96.5 0.0 181.0

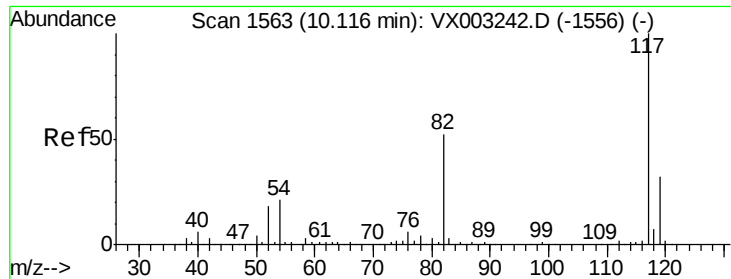


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

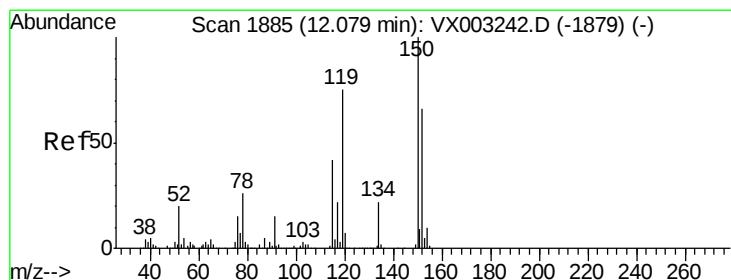
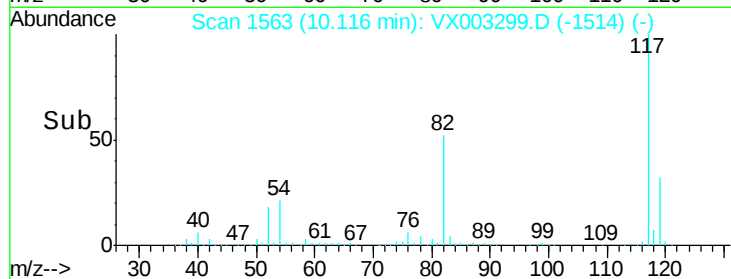
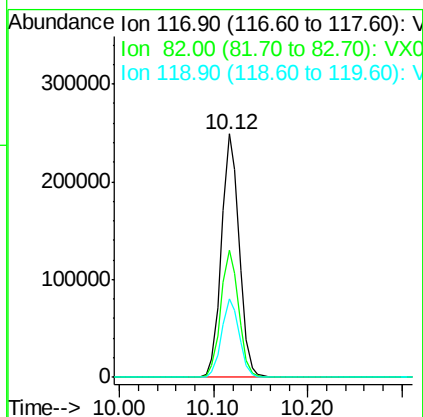
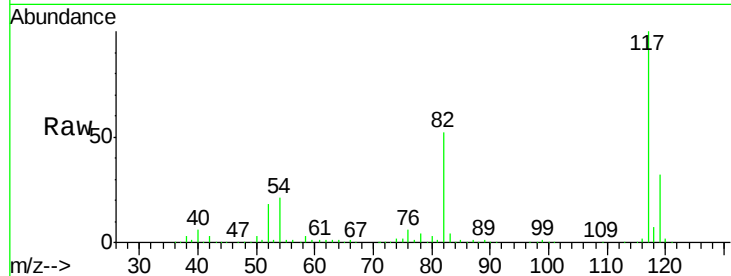




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003299.D
Acq: 10 Jul 2018 21:56

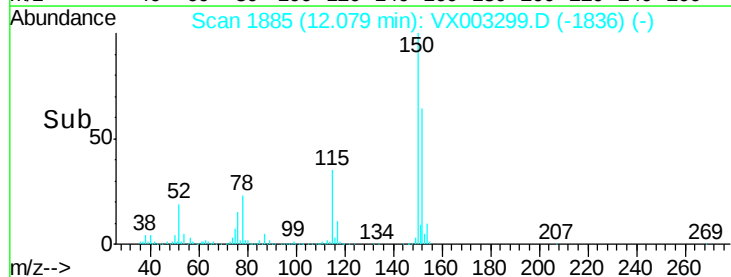
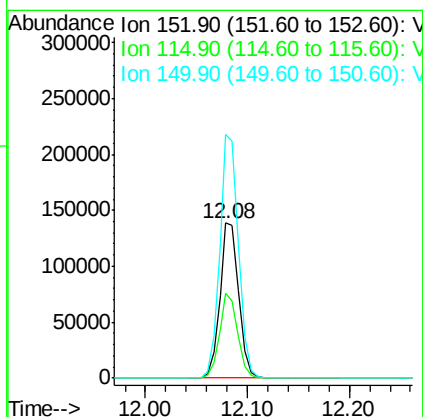
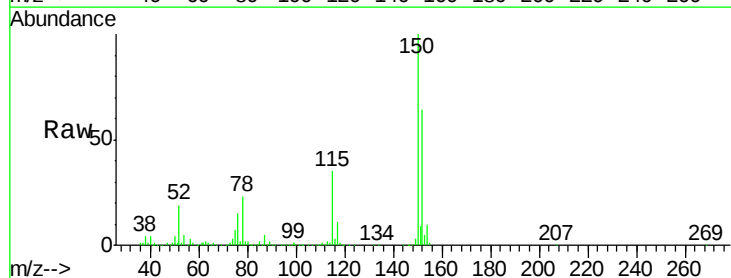
Instrument :
MSVOA_X
ClientSampleId :
STORAGEBLANK-WATERREF-4

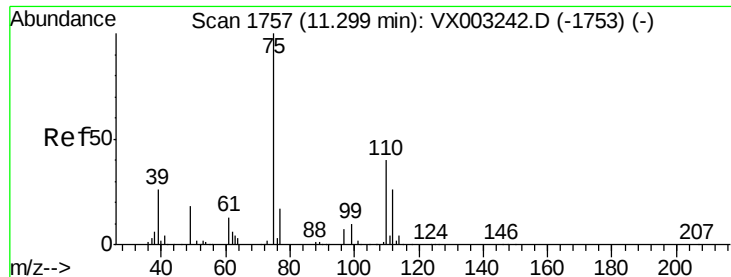
Tot Ion:117 Resp: 324955
Ion Ratio Lower Upper
117 100
82 52.2 45.0 67.4
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003299.D
Acq: 10 Jul 2018 21:56

Tgt Ion:152 Resp: 177966
Ion Ratio Lower Upper
152 100
115 53.1 40.1 120.2
150 157.1 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 21.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003299.D

Acq: 10 Jul 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

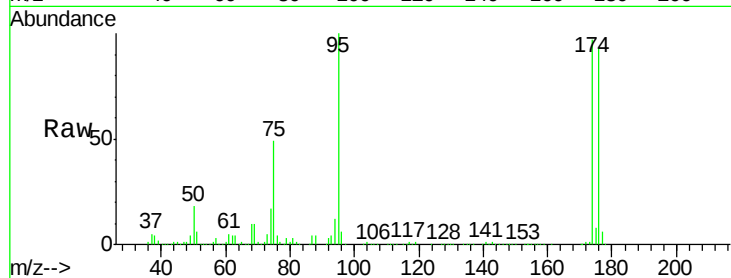
STORAGEBLANK-WATERREF-4

Tot Ion: 75 Resp: 81213

Ion Ratio Lower Upper

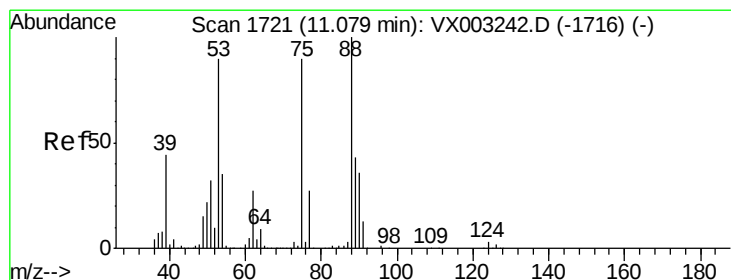
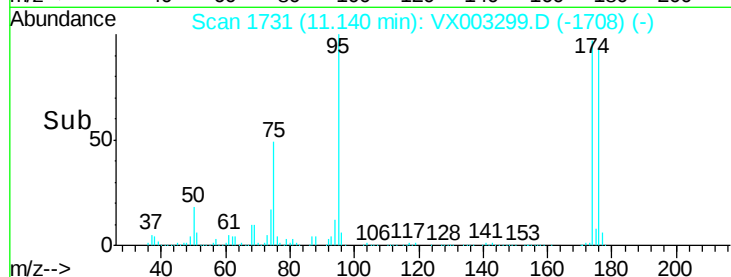
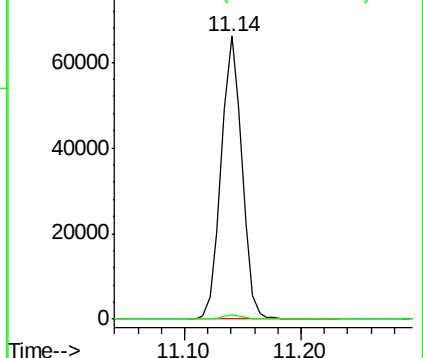
75 100

77 1.4 22.8 68.3#



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: 69.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003299.D

Acq: 10 Jul 2018 21:56

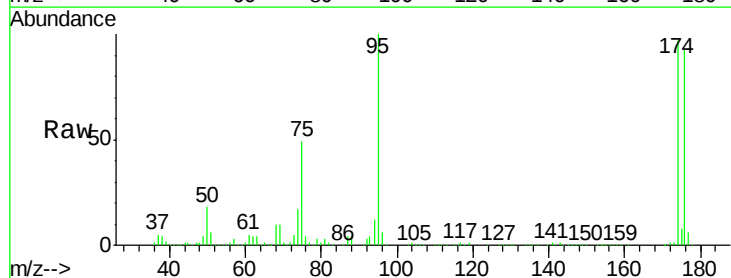
Tgt Ion: 75 Resp: 81213

Ion Ratio Lower Upper

75 100

53 0.4 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

