

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX083018\
 Data File : VX004324.D
 Acq On : 30 Aug 2018 17:46
 Operator : JC/MD
 Sample : J4736-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Quant Time: Aug 31 00:54:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	297041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	470017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	440788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251978	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	209724	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	
35) Dibromofluoromethane	5.50	113	182475	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
50) Toluene-d8	8.71	98	671127	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.14	95	236832	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	

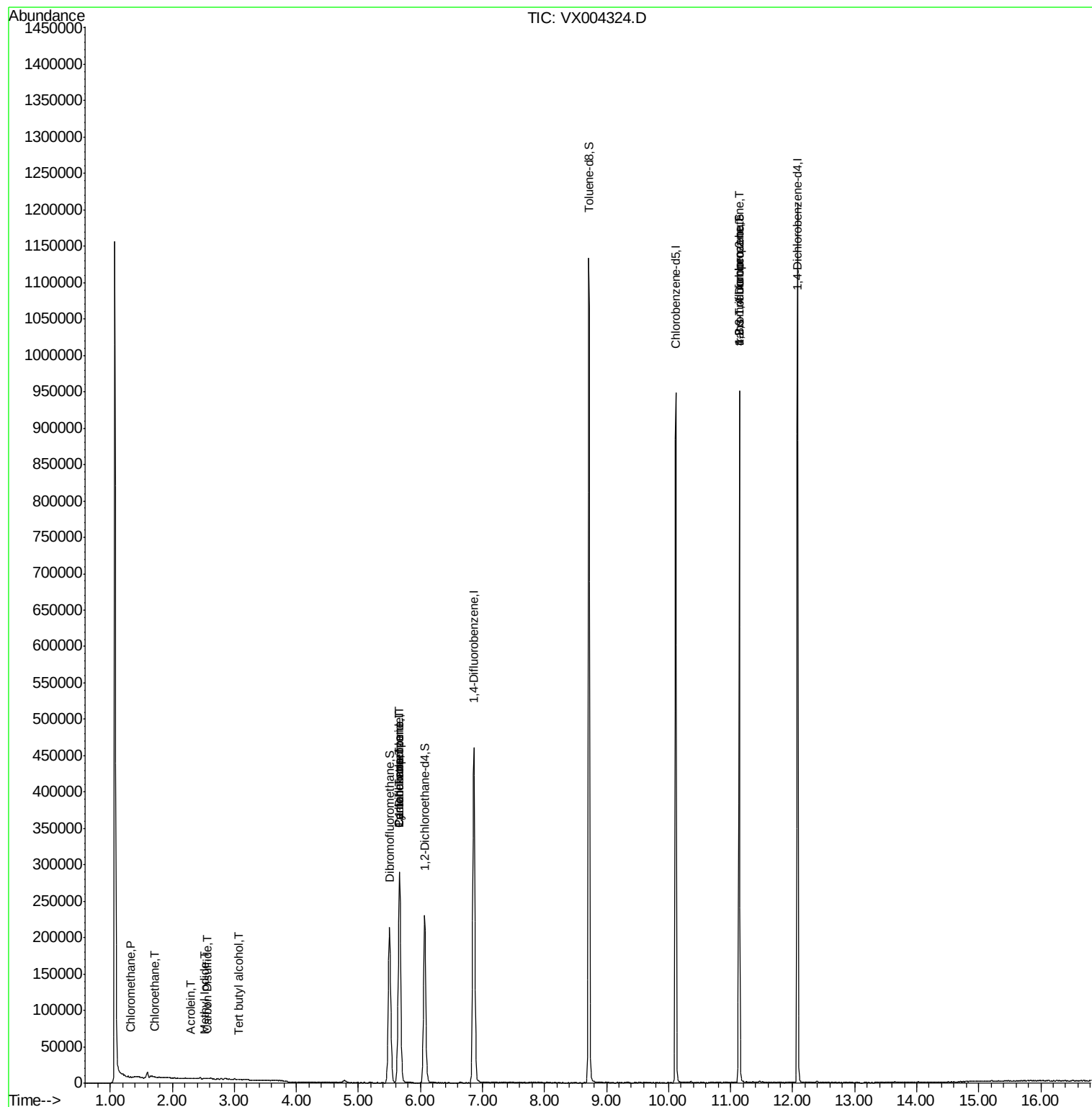
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	965	0.54	ug/l	98
5) Bromomethane	1.65	94	1153	Below Cal		99
6) Chloroethane	1.70	64	1128	1.33	ug/l #	48
10) Methyl Iodide	2.52	142	1069	4.52	ug/l #	85
11) Tert butyl alcohol	3.06	59	633	0.77	ug/l #	34
13) Acrolein	2.30	56	100	0.50	ug/l #	1
16) Acetone	2.44	43	1597	Below Cal		89
17) Carbon Disulfide	2.56	76	1201	0.93	ug/l #	62
25) 2-Butanone	4.71	43	489	Below Cal	#	47
31) Cyclohexane	5.67	56	5359	0.99	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20037	3.79	ug/l #	50
38) Carbon Tetrachloride	5.66	117	25747	5.18	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	112661	21.98	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	112661	71.33	ug/l #	10
94) Hexachlorobutadiene	13.79	225	169	Below Cal		79

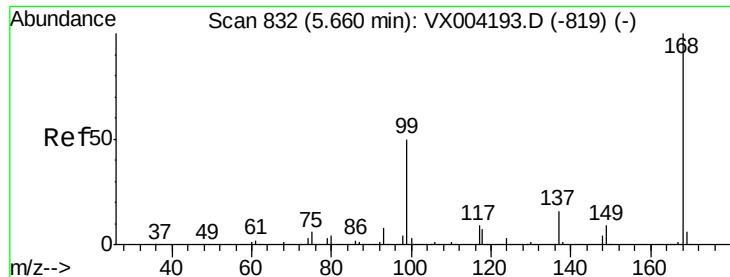
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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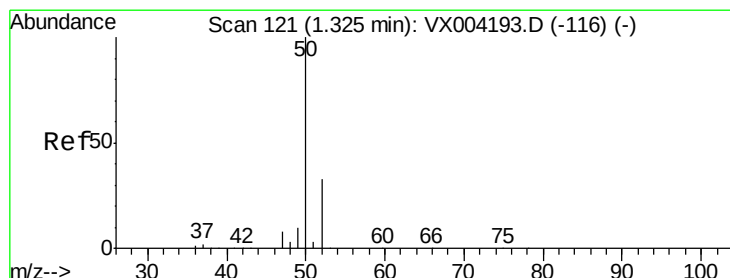
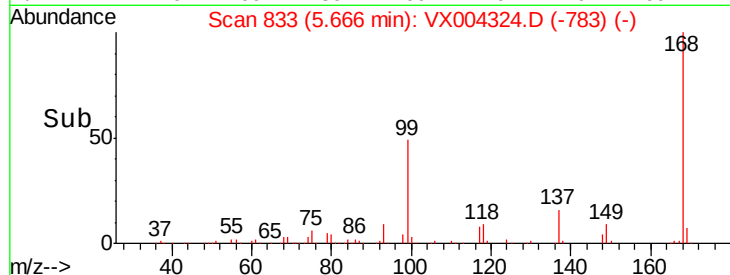
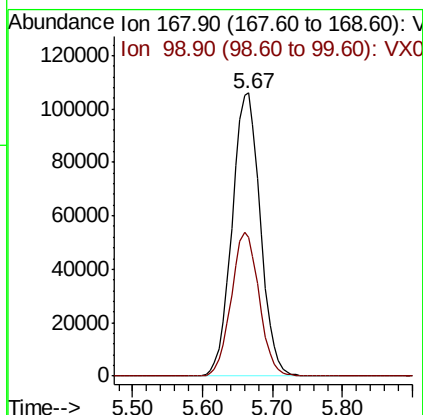
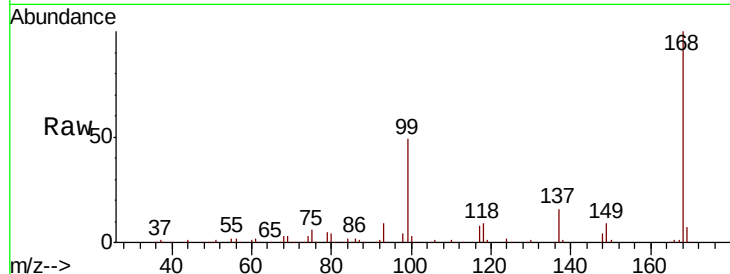




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX004324.D
Acq: 30 Aug 2018 17:46

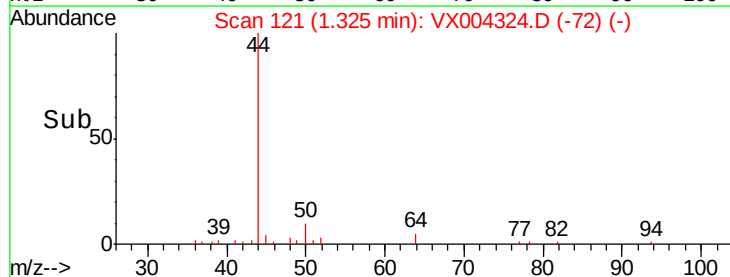
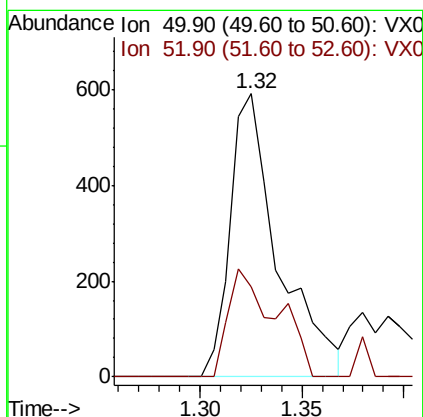
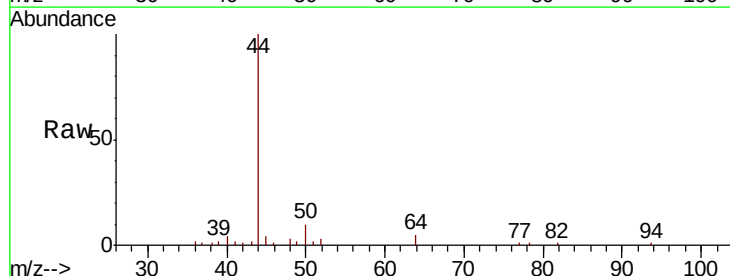
Instrument :
MSVOA_X
ClientSampleId :
WC-1

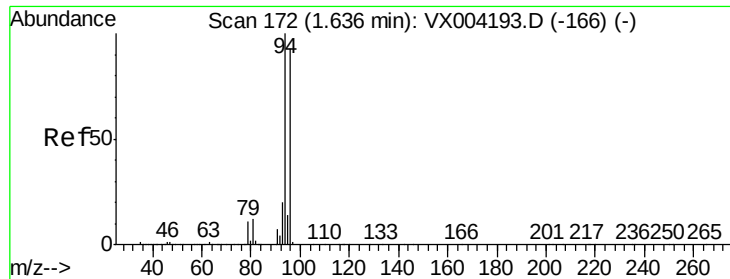
Tot Ion:168 Resp: 297041
Ion Ratio Lower Upper
168 100
99 48.9 39.9 59.9



#3
Chloromethane
Concen: 0.54 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX004324.D
Acq: 30 Aug 2018 17:46

Tgt Ion: 50 Resp: 965
Ion Ratio Lower Upper
50 100
52 31.6 26.2 39.2





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004324.D

Acq: 30 Aug 2018 17:46

Instrument :

MSVOA_X

ClientSampled :

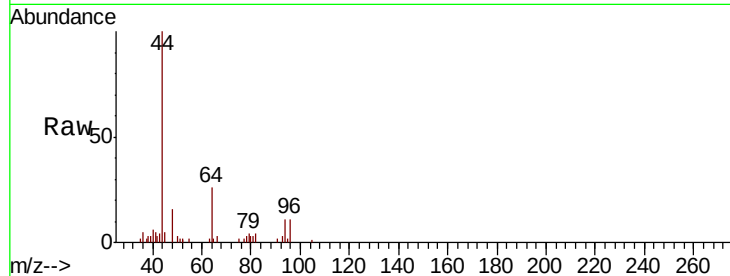
WC-1

Tot Ion: 94 Resp: 1153

Ion Ratio Lower Upper

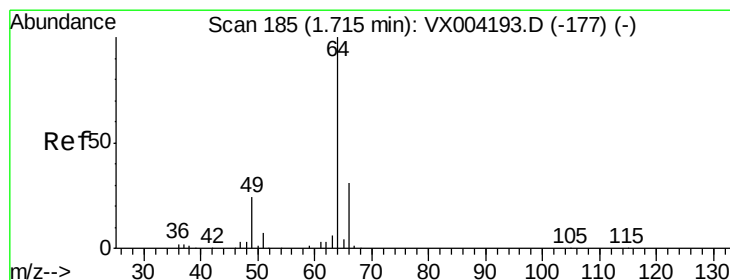
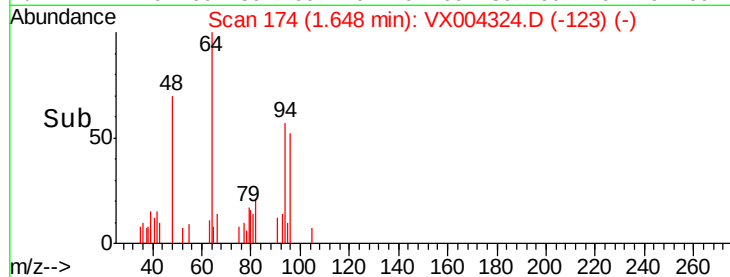
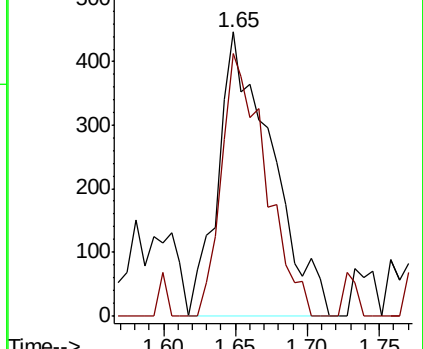
94 100

96 92.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.33 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX004324.D

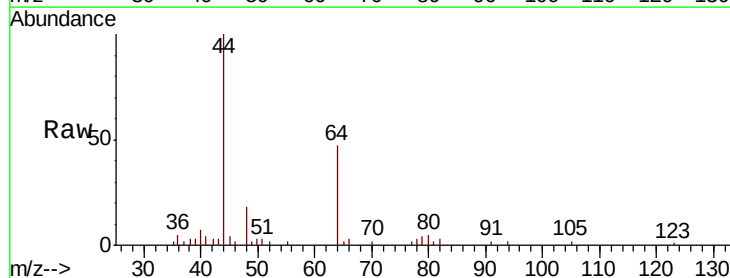
Acq: 30 Aug 2018 17:46

Tgt Ion: 64 Resp: 1128

Ion Ratio Lower Upper

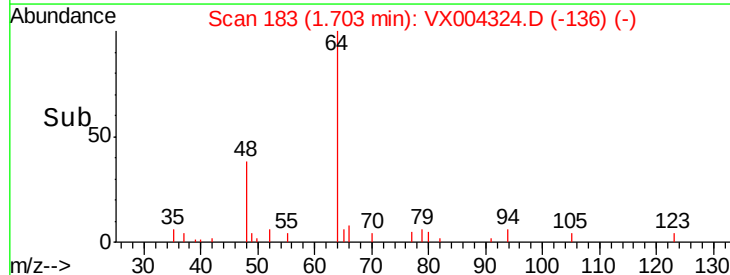
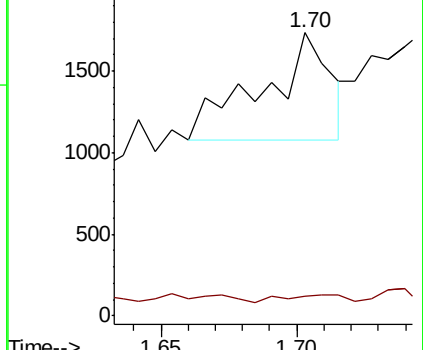
64 100

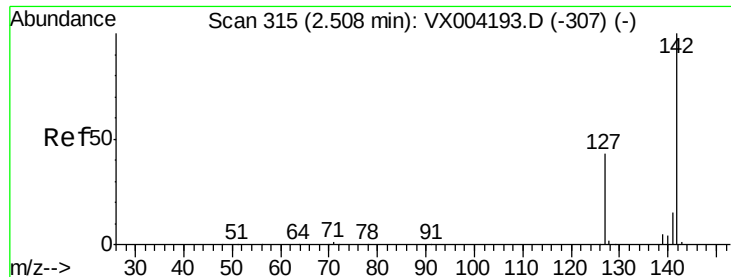
66 2.1 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

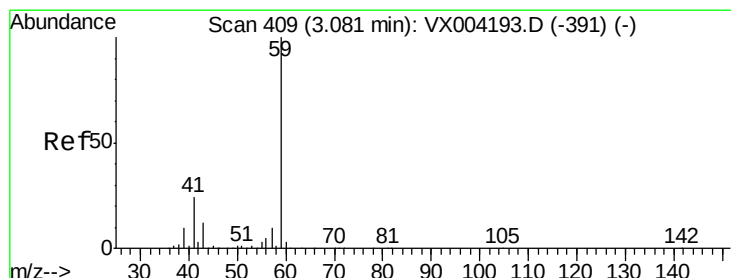
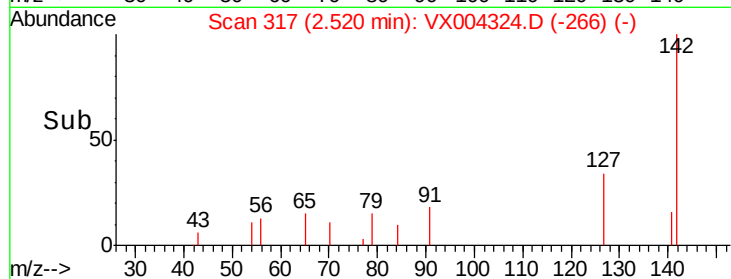
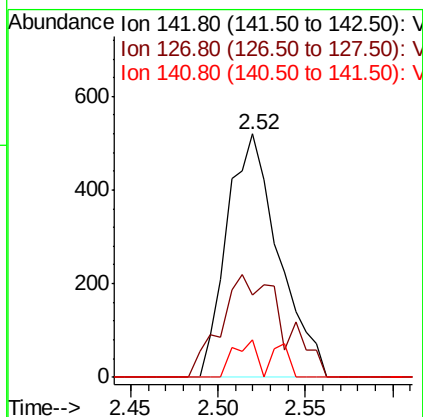
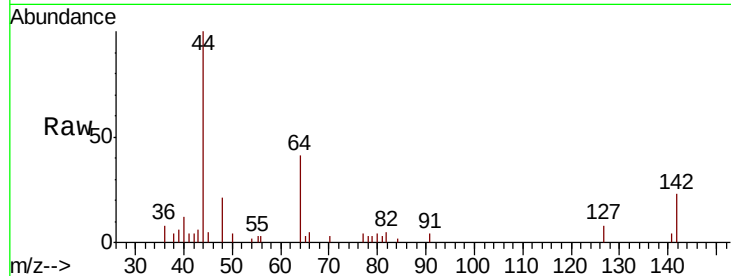




#10
Methyl Iodide
Concen: 4.52 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004324.D
Acq: 30 Aug 2018 17:46

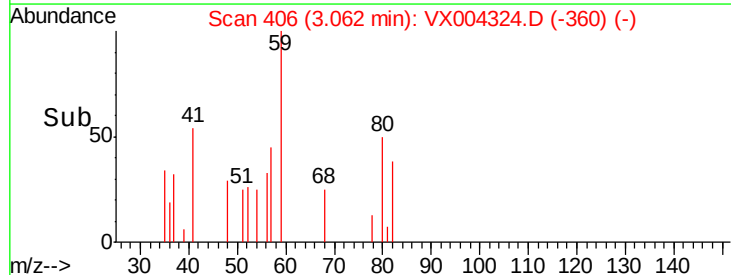
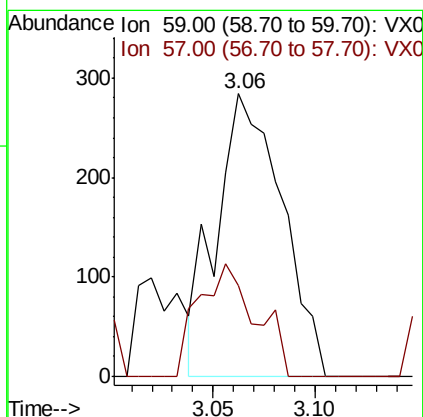
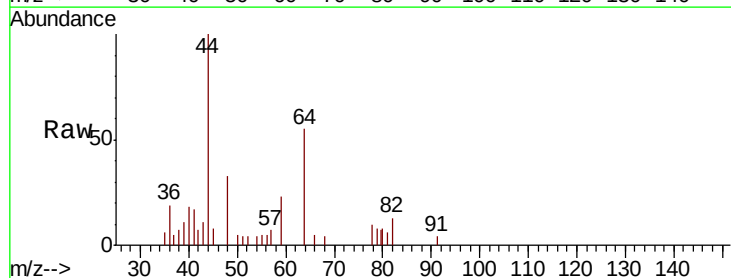
Instrument :
MSVOA_X
ClientSampled :
WC-1

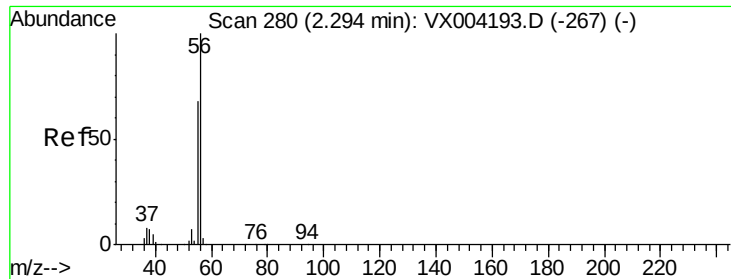
Tot Ion:142 Resp: 1069
Ion Ratio Lower Upper
142 100
127 51.4 33.8 50.6#
141 6.9 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.77 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004324.D
Acq: 30 Aug 2018 17:46

Tgt Ion: 59 Resp: 633
Ion Ratio Lower Upper
59 100
57 35.1 8.2 12.4#

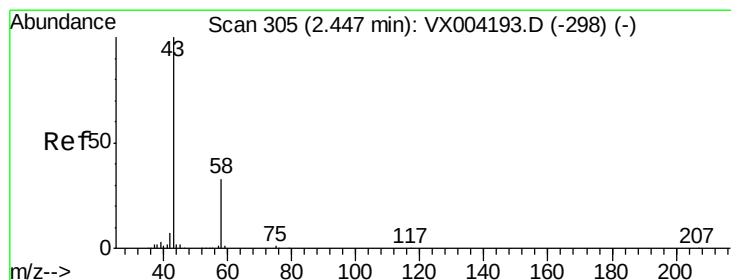
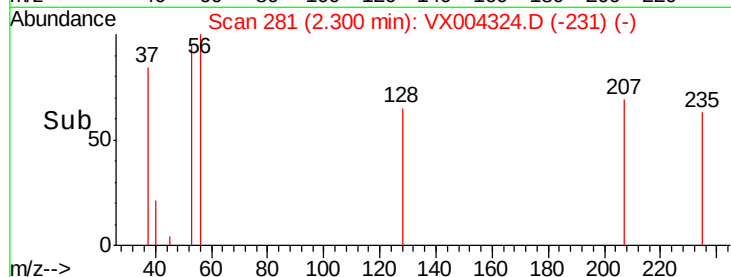
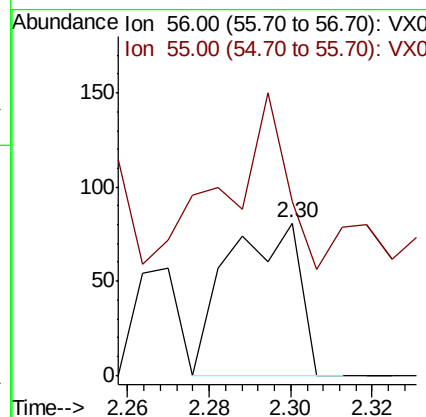
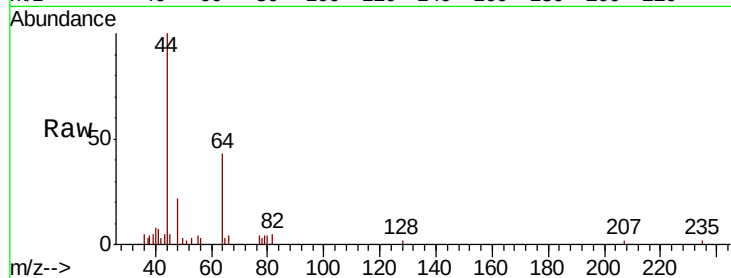




#13
Acrolein
Concen: 0.50 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX004324.D
Acq: 30 Aug 2018 17:46

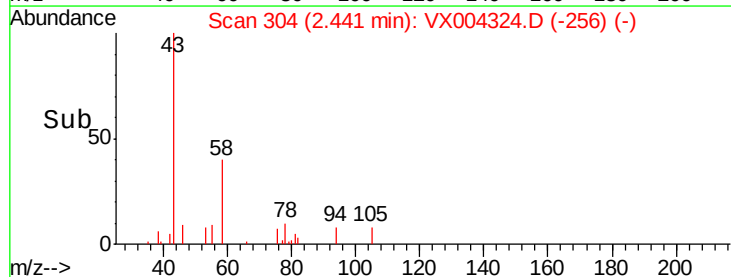
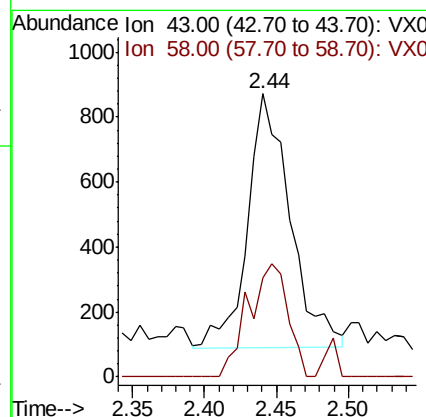
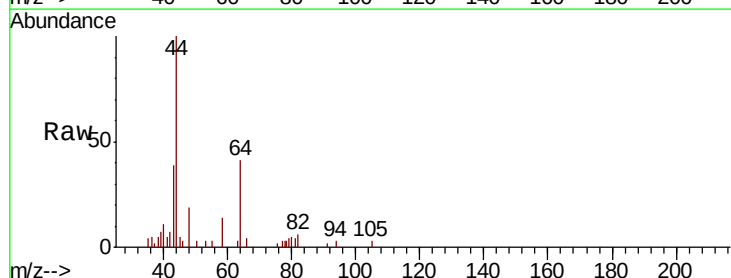
Instrument :
MSVOA_X
ClientSampled :
WC-1

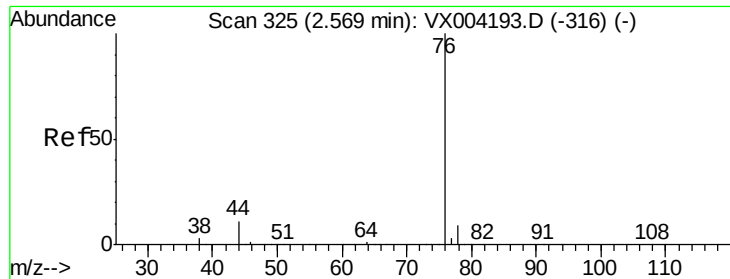
Tot Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 303.0 54.7 82.1#



#16
Acetone
Concen: Below Cal
RT: 2.44 min Scan# 304
Delta R.T. -0.01 min
Lab File: VX004324.D
Acq: 30 Aug 2018 17:46

Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
58 39.2 26.2 39.4





#17

Carbon Disulfide

Concen: 0.93 ua/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004324.D

Acq: 30 Aug 2018 17:46

Instrument :

MSVOA_X

ClientSampled :

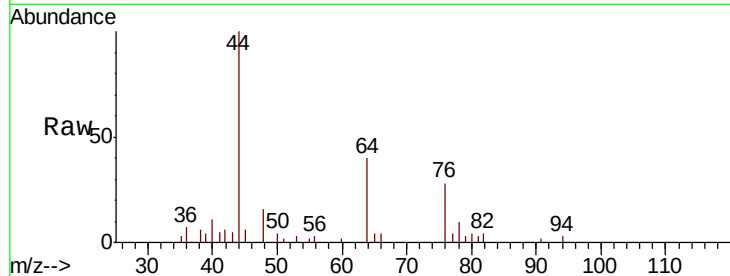
WC-1

Tot Ion: 76 Resp: 1201

Ion Ratio Lower Upper

76 100

78 22.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

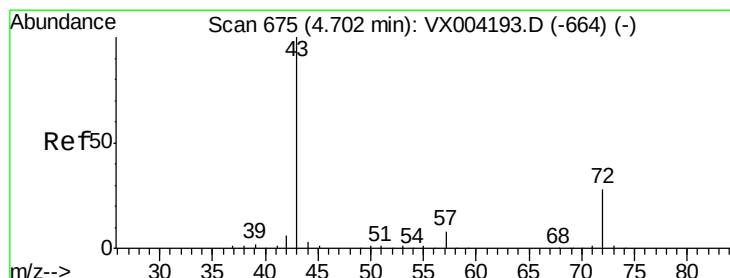
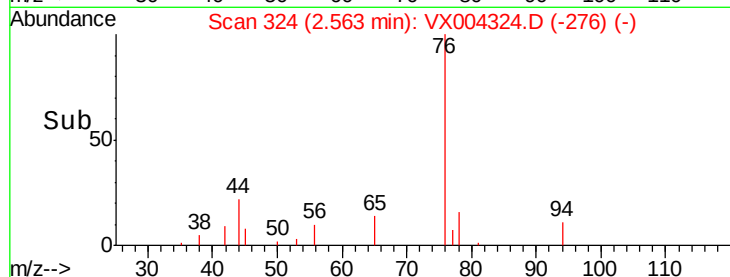
600

400

200

0

Time--> 2.50 2.55 2.60



#25

2-Butanone

Concen: Below Cal

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004324.D

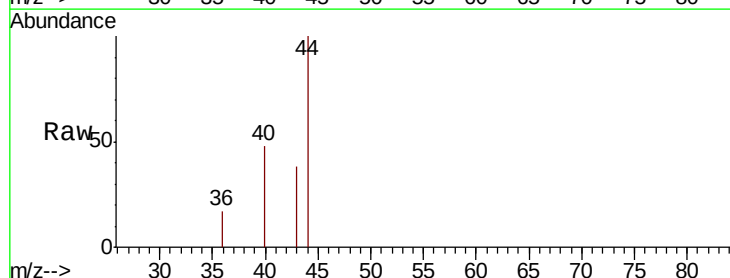
Acq: 30 Aug 2018 17:46

Tgt Ion: 43 Resp: 489

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

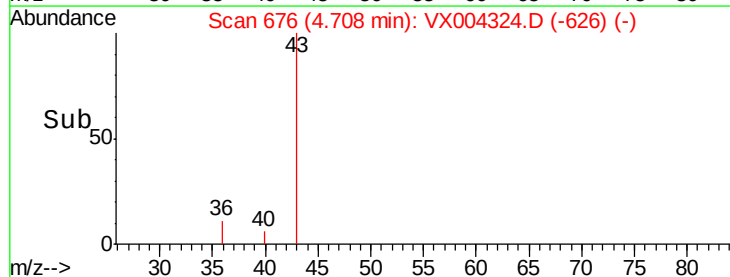
150

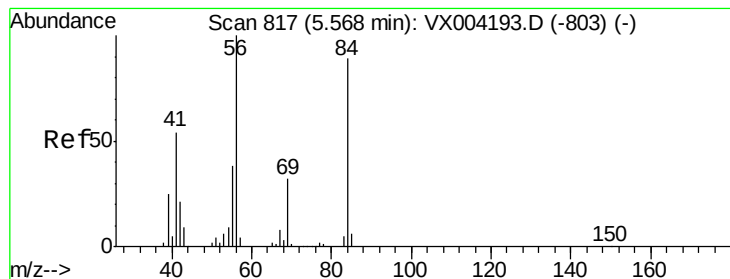
100

50

0

Time--> 4.65 4.70 4.75





#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX004324.D

Acq: 30 Aug 2018 17:46

Instrument :

MSVOA_X

ClientSampled :

WC-1

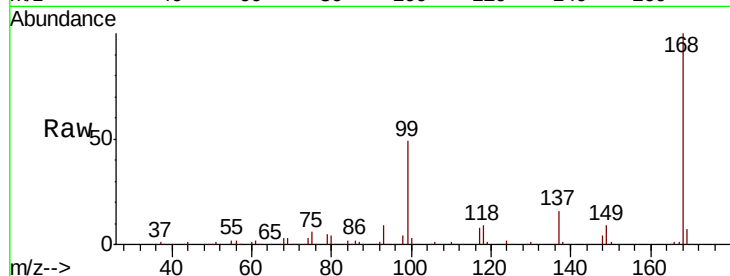
Tot Ion: 56 Resp: 5359

Ion Ratio Lower Upper

56 100

69 203.1 25.4 38.2#

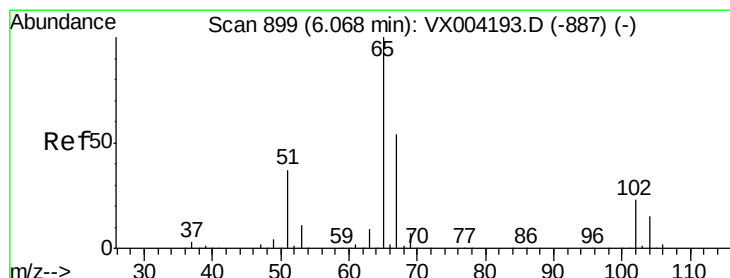
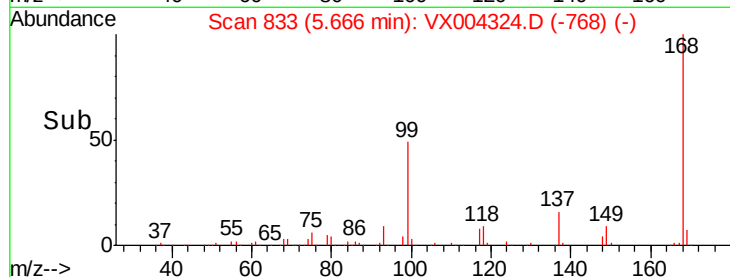
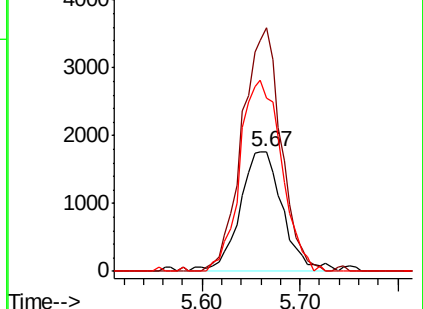
84 144.3 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.17 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX004324.D

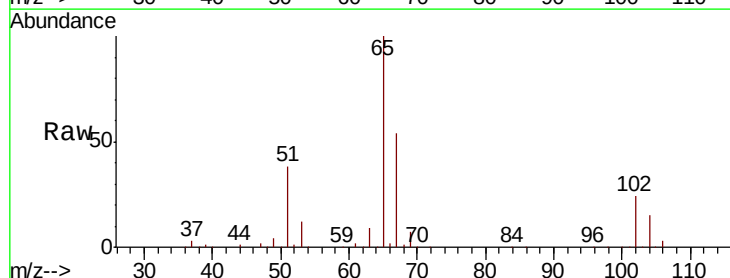
Acq: 30 Aug 2018 17:46

Tgt Ion: 65 Resp: 209724

Ion Ratio Lower Upper

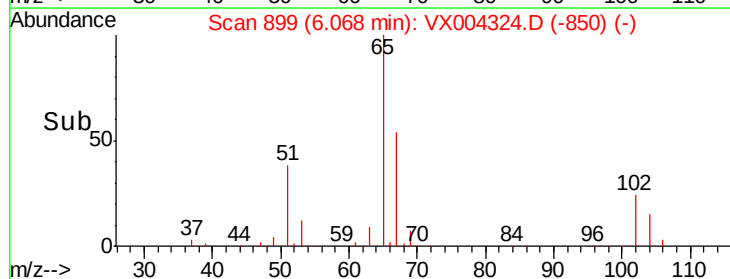
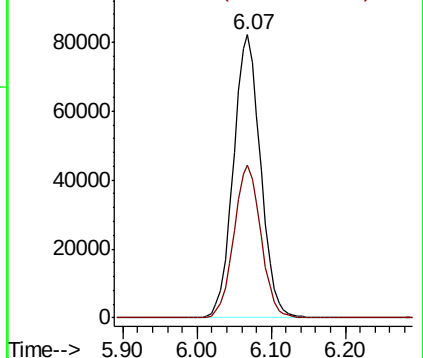
65 100

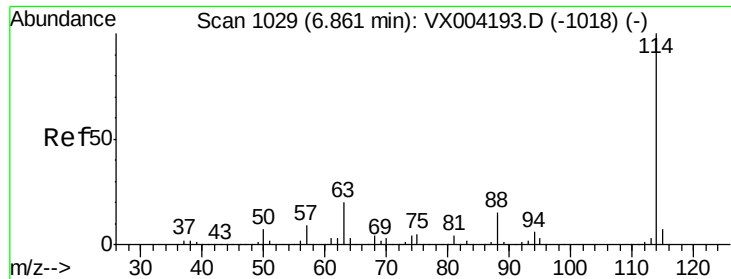
67 53.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

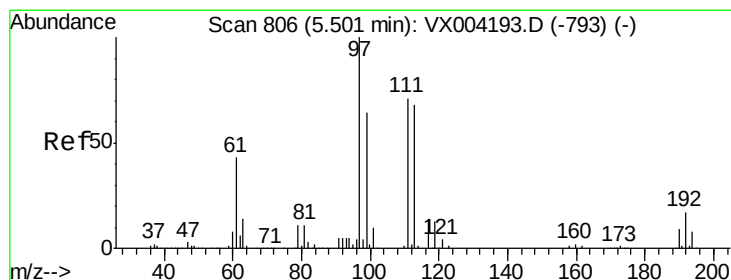
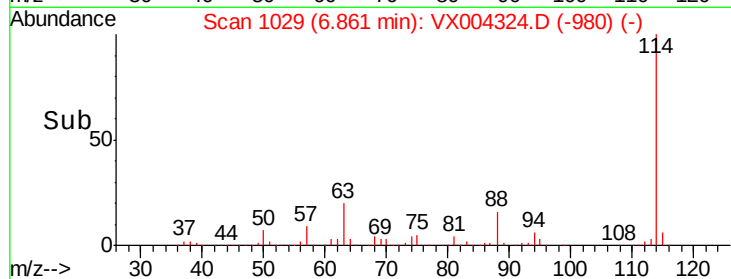
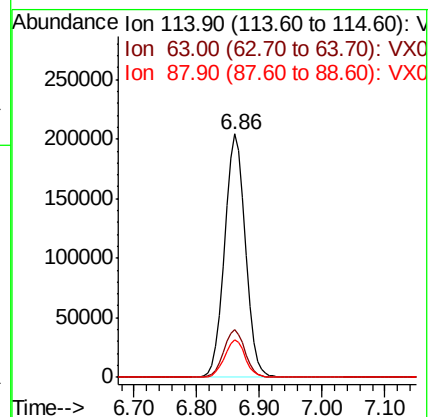
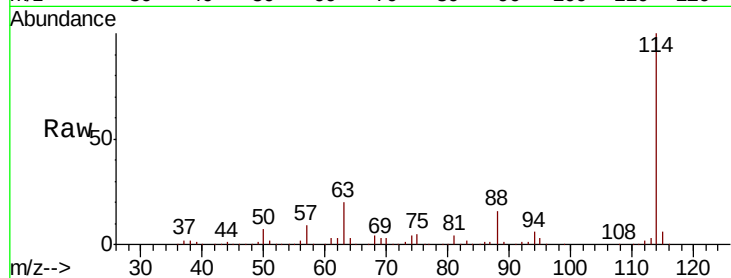




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004324.D
 Acq: 30 Aug 2018 17:46

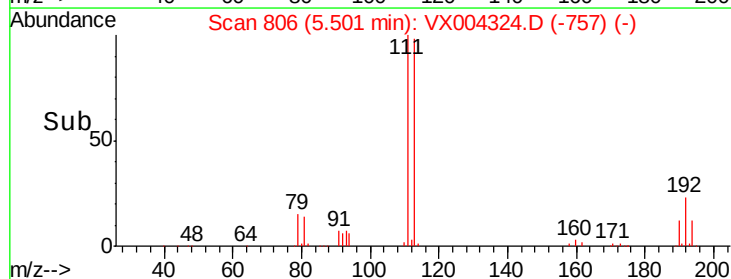
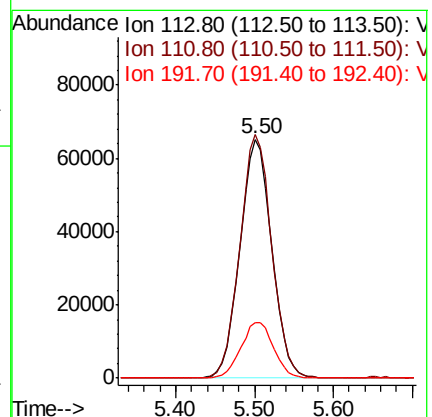
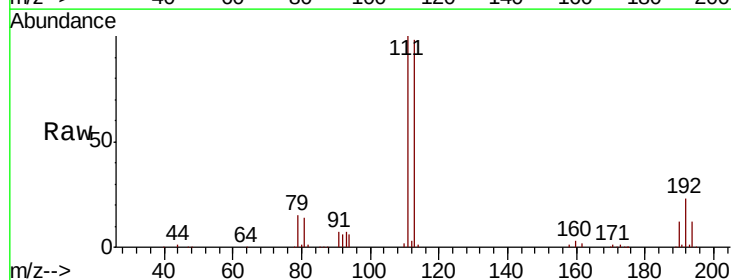
Instrument :
 MSVOA_X
 ClientSampled :
 WC-1

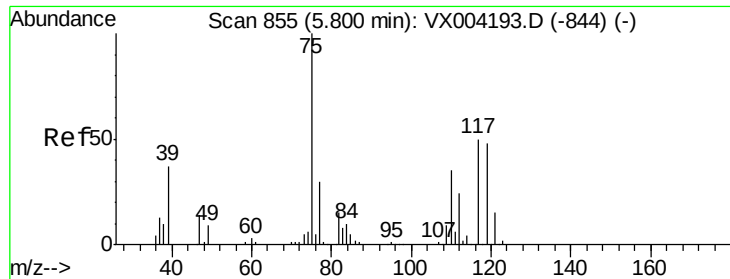
Tot Ion:114 Resp: 470017
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.6 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 52.19 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004324.D
 Acq: 30 Aug 2018 17:46

Tgt Ion:113 Resp: 182475
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.4 123.6
 192 23.9 19.4 29.2

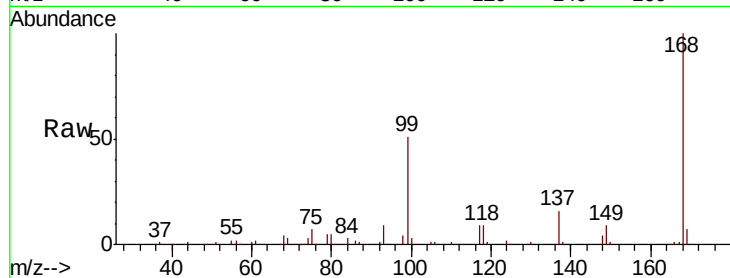




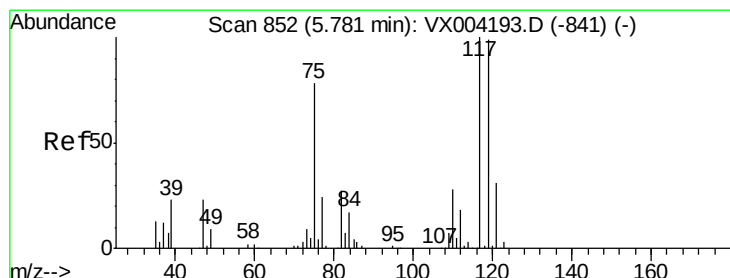
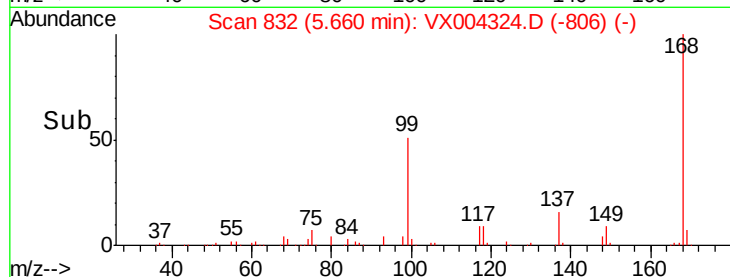
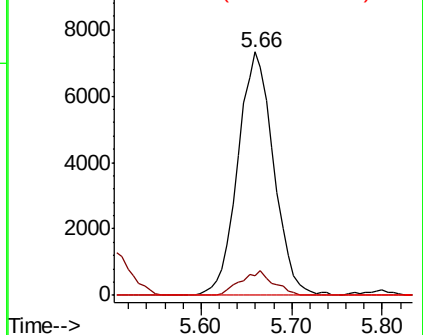
#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004324.D
 Acq: 30 Aug 2018 17:46

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.0	54.0#
77	0.0	24.6	36.8#

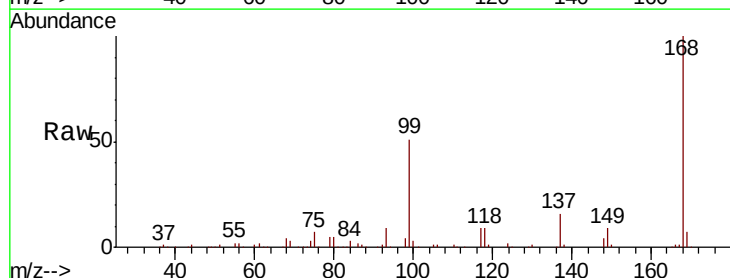


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

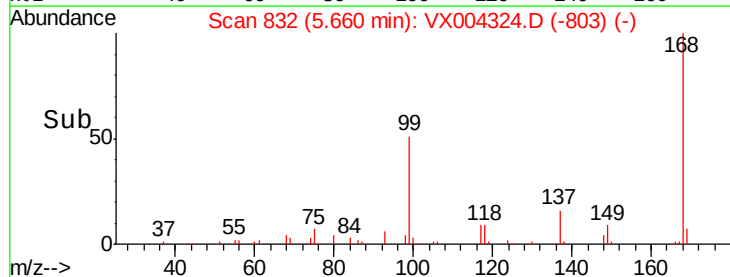
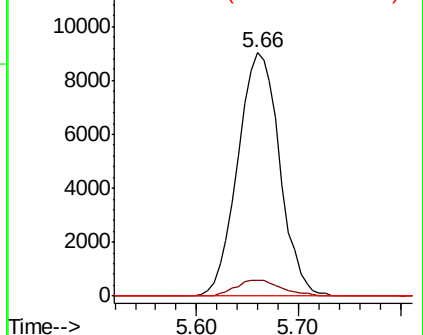


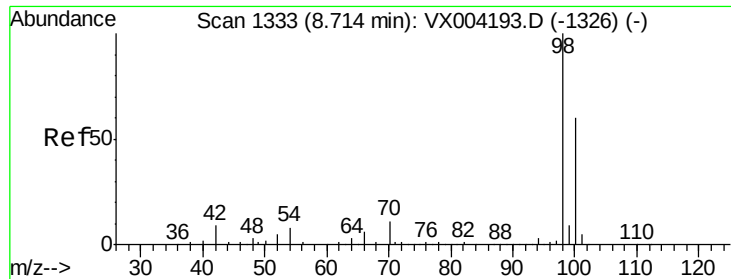
#38
 Carbon Tetrachloride
 Concen: 5.18 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.12 min
 Lab File: VX004324.D
 Acq: 30 Aug 2018 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	78.8	118.2#
121	0.0	24.9	37.3#



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

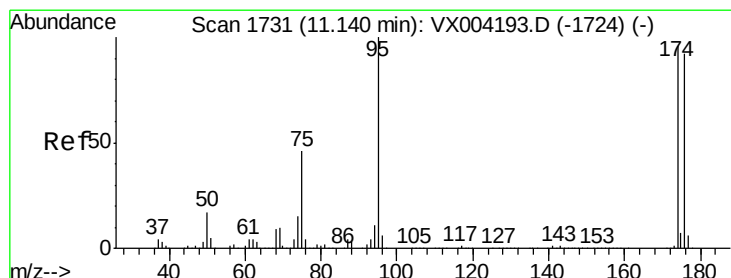
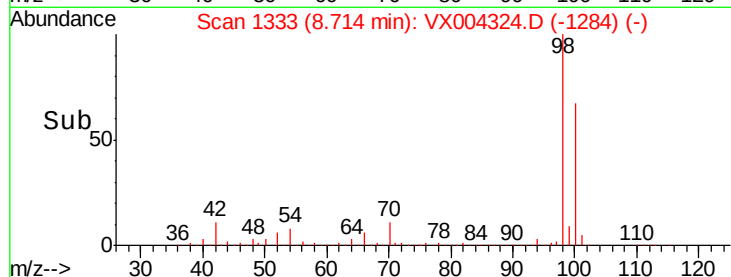
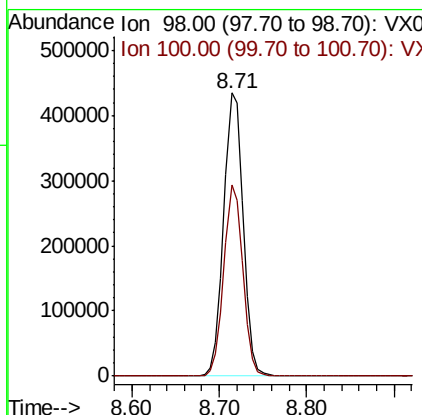
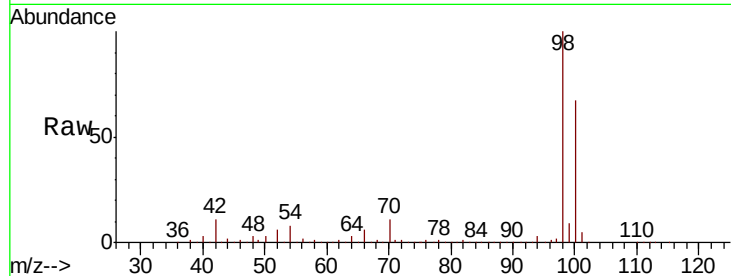




#50
Toluene-d8
Concen: 50.85 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VX004324.D
Acq: 30 Aug 2018 17:46

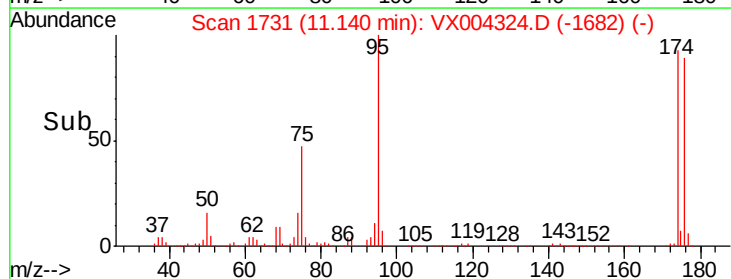
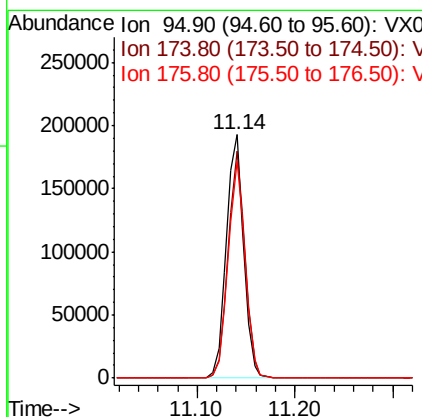
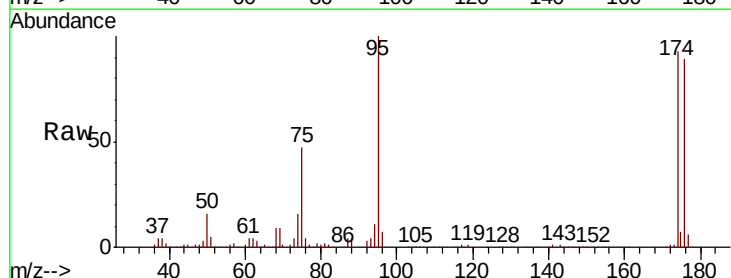
Instrument :
MSVOA_X
ClientSampleId :
WC-1

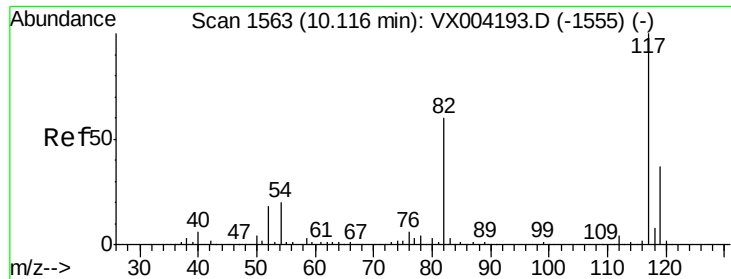
Tot Ion: 98 Resp: 671127
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 48.09 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX004324.D
Acq: 30 Aug 2018 17:46

Tgt Ion: 95 Resp: 236832
Ion Ratio Lower Upper
95 100
174 91.8 0.0 185.2
176 87.8 0.0 178.6

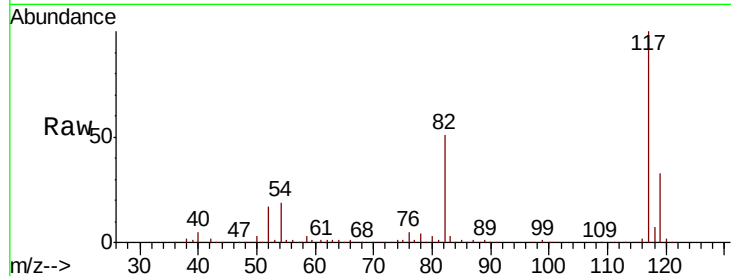




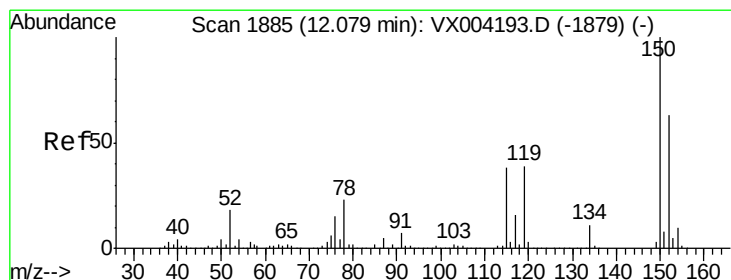
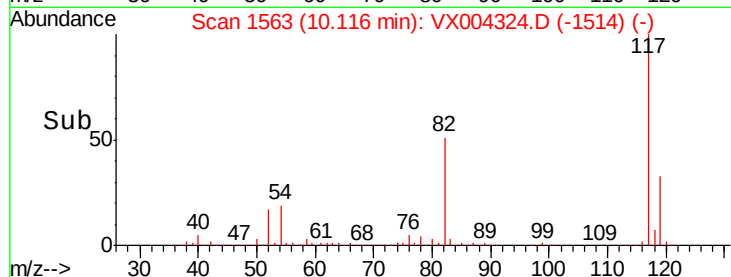
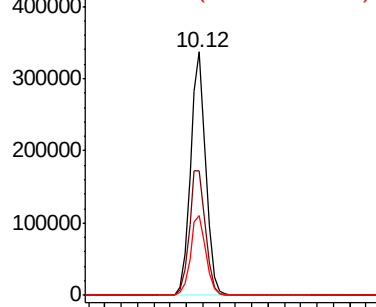
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004324.D
Acq: 30 Aug 2018 17:46

Instrument :
MSVOA_X
ClientSampled :
WC-1

Tot Ion:117 Resp: 440788
Ion Ratio Lower Upper
117 100
82 51.1 47.8 71.6
119 32.6 29.3 43.9

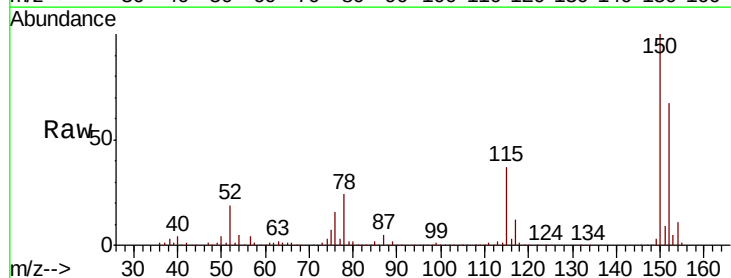


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

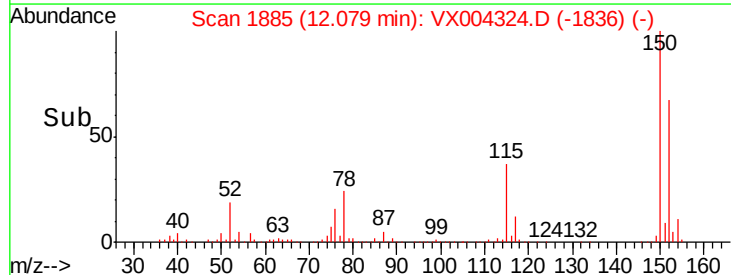
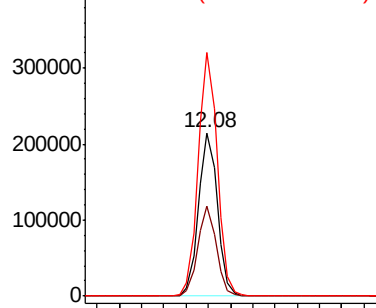


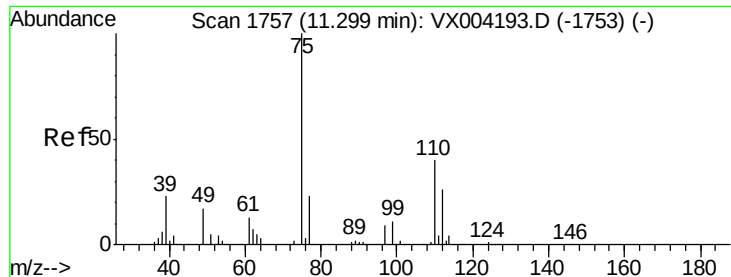
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX004324.D
Acq: 30 Aug 2018 17:46

Tgt Ion:152 Resp: 251978
Ion Ratio Lower Upper
152 100
115 54.1 39.0 117.0
150 151.0 0.0 351.0



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: 21.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004324.D

Acq: 30 Aug 2018 17:46

Instrument :

MSVOA_X

ClientSampled :

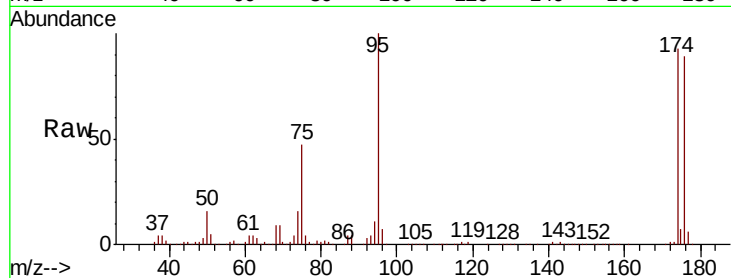
WC-1

Tot Ion: 75 Resp: 112661

Ion Ratio Lower Upper

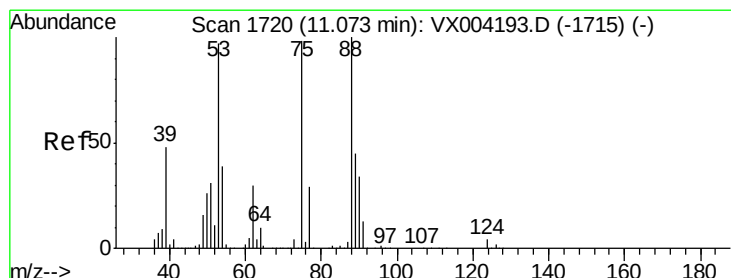
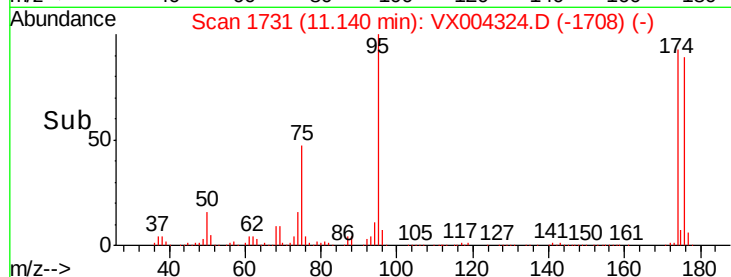
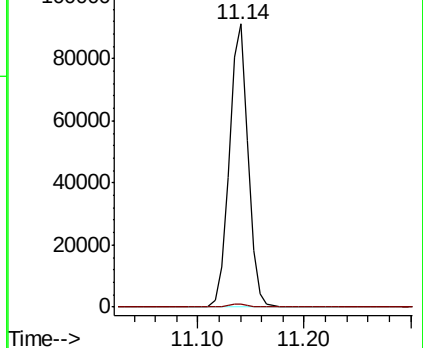
75 100

77 1.3 20.2 60.6#



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: 71.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004324.D

Acq: 30 Aug 2018 17:46

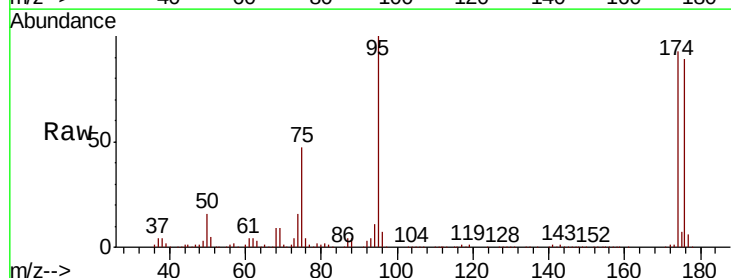
Tgt Ion: 75 Resp: 112661

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

