

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
 Data File : VX002164.D
 Acq On : 31 May 2018 04:23
 Operator : JC/MD
 Sample : J3185-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15

Quant Time: May 31 06:39:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	377786	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	180680	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	166191	35.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.60%	
35) Dibromofluoromethane	5.51	113	123003	32.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.12%	
50) Toluene-d8	8.72	98	497308	36.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.72%	
62) 4-Bromofluorobenzene	11.14	95	173420	32.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.82%	

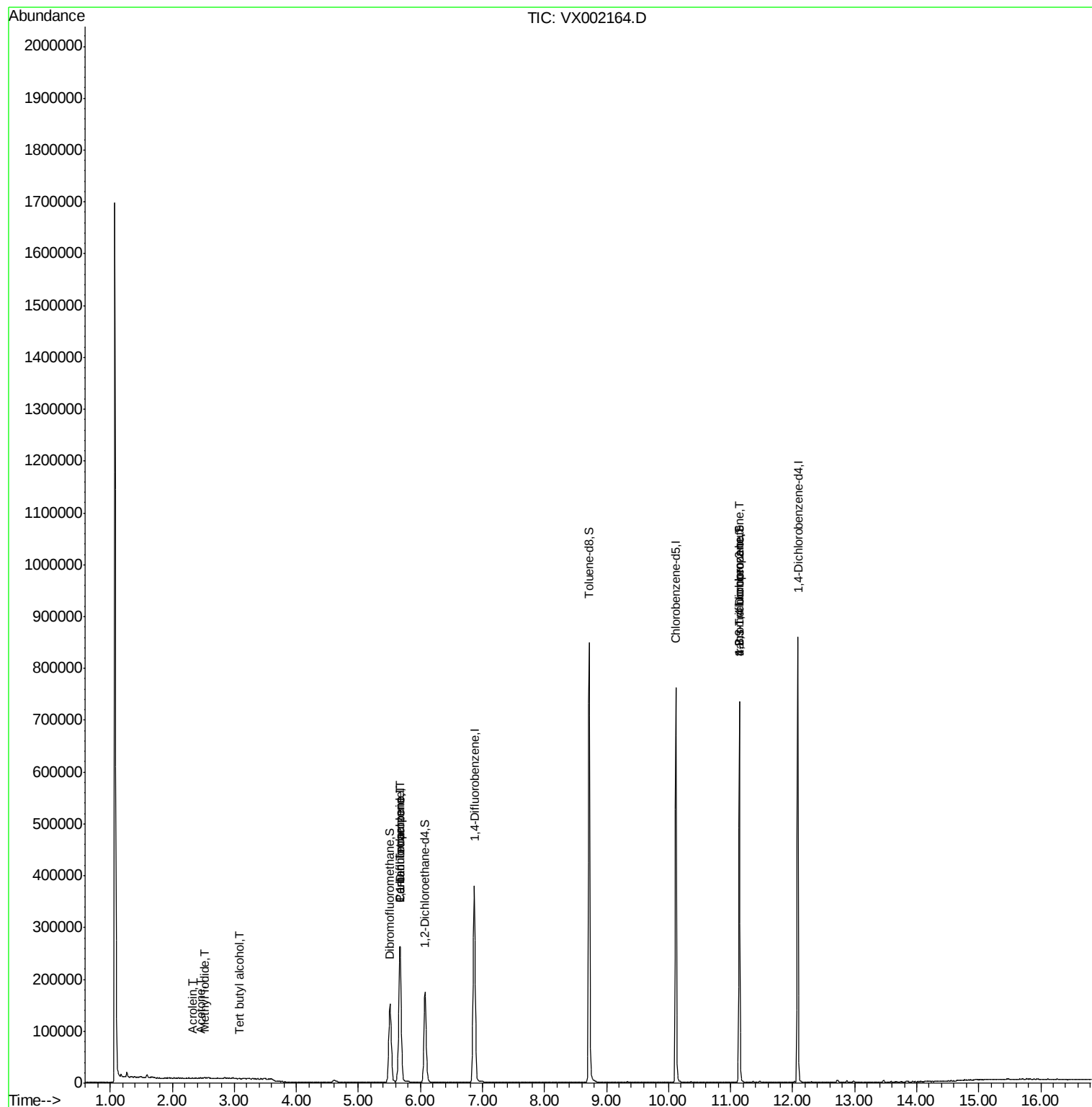
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	78	Below Cal	#	2
10) Methyl Iodide	2.53	142	1869	0.42	ug/l	92
11) Tert butyl alcohol	3.09	59	232	0.25	ug/l	# 77
13) Acrolein	2.31	56	81	0.20	ug/l	# 32
16) Acetone	2.45	43	646	0.36	ug/l	# 87
18) Methyl Acetate	2.78	43	213	Below Cal	#	55
20) Methylene Chloride	2.86	84	500	Below Cal	#	72
21) trans-1,2-Dichloroethene	3.14	96	108	Below Cal	#	1
28) Bromochloromethane	4.96	49	21	Below Cal	#	14
36) 1,1-Dichloropropene	5.67	75	18840	3.59	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	24399	3.98	ug/l	# 14
41) Methacrylonitrile	5.09	41	277	Below Cal	#	25
74) N-amyl acetate	6.51	43	377	Below Cal	#	60
75) 1,1,2,2-Tetrachloroethane	11.29	83	33	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	92824	21.39	ug/l	# 33
79) 2-Chlorotoluene	11.43	91	322	Below Cal	#	40
81) trans-1,4-Dichloro-2-buten	11.14	75	92824	51.41	ug/l	# 10

(#) = 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. -0.00 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

Instrument :

MSVOA_X

ClientSampleId :

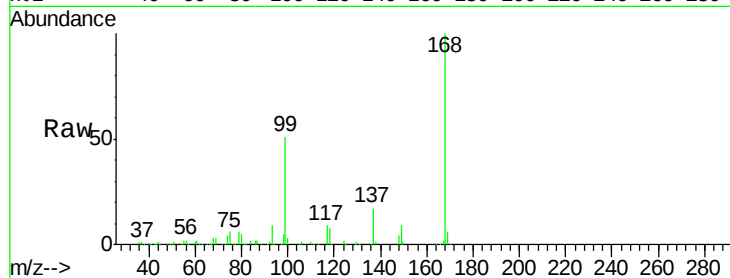
MW-15

Tgt Ion:168 Resp: 263347

Ion Ratio Lower Upper

168 100

99 51.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

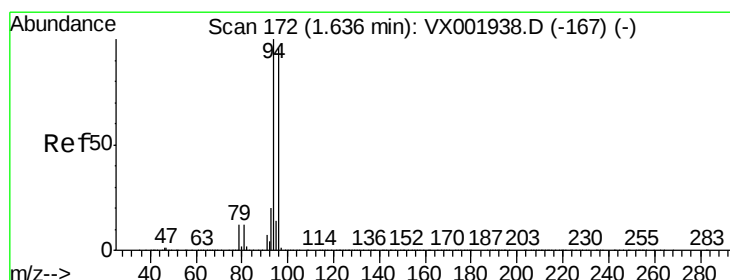
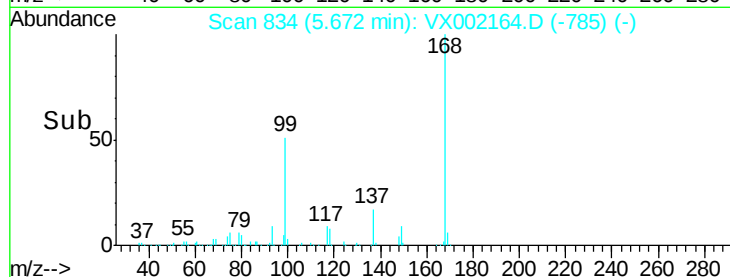
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX002164.D

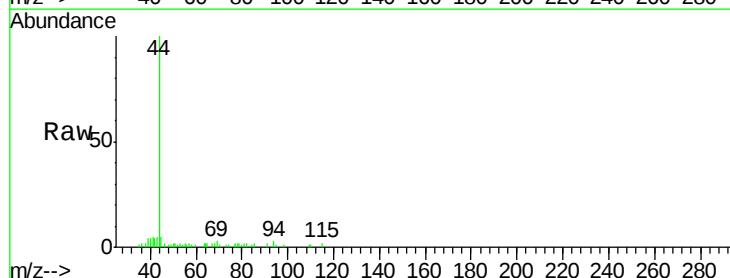
Acq: 31 May 2018 04:23

Tgt Ion: 94 Resp: 78

Ion Ratio Lower Upper

94 100

96 0.0 75.9 113.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

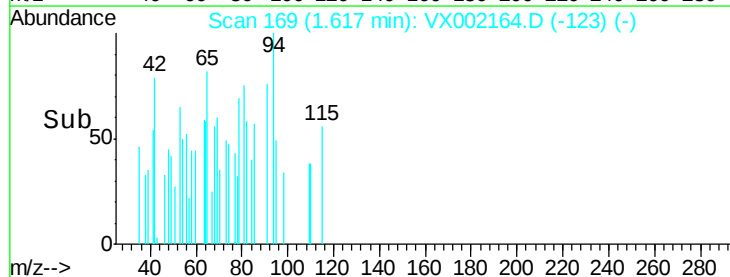
150

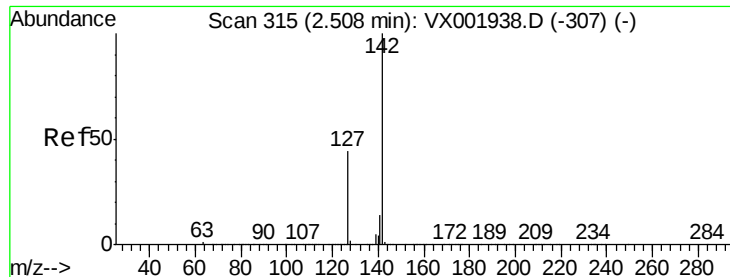
100

50

0

Time-->

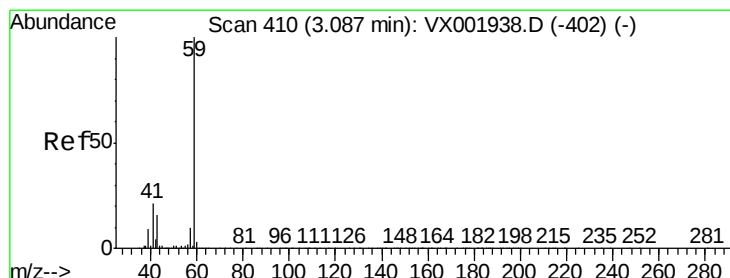
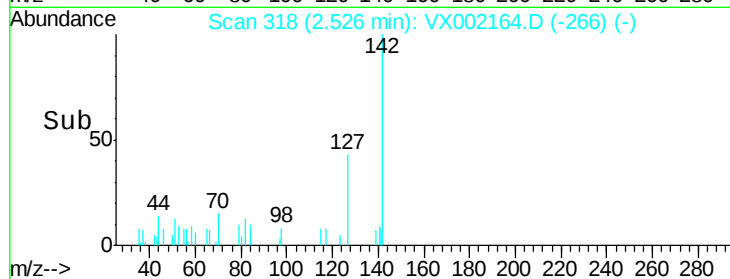
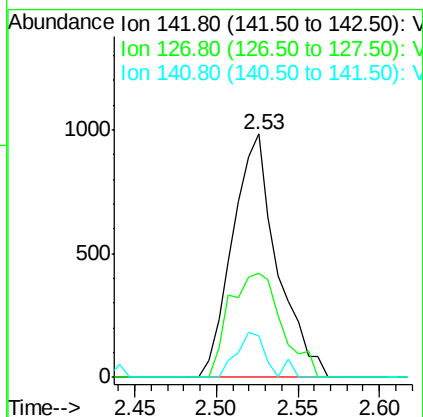
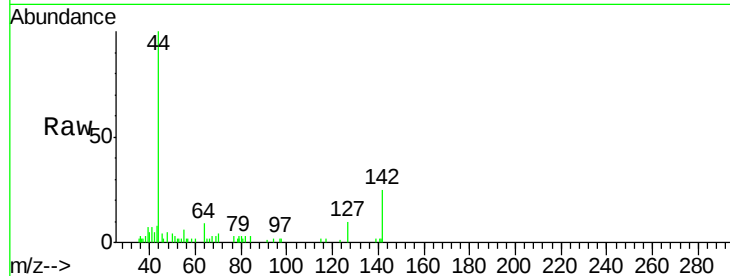




#10
Methyl Iodide
Concen: 0.42 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX002164.D
Acq: 31 May 2018 04:23

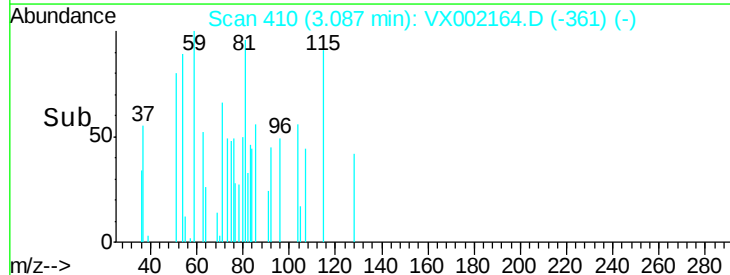
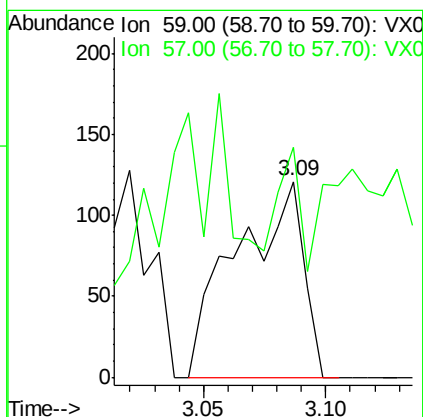
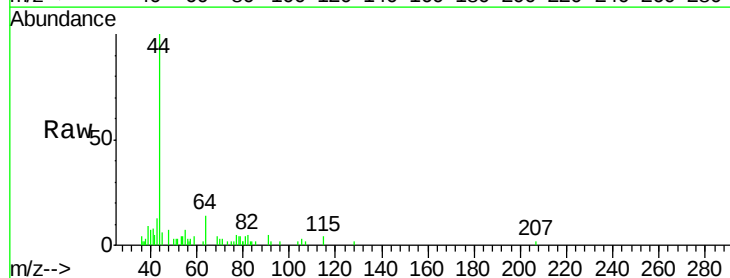
Instrument :
MSVOA_X
ClientSampled :
MW-15

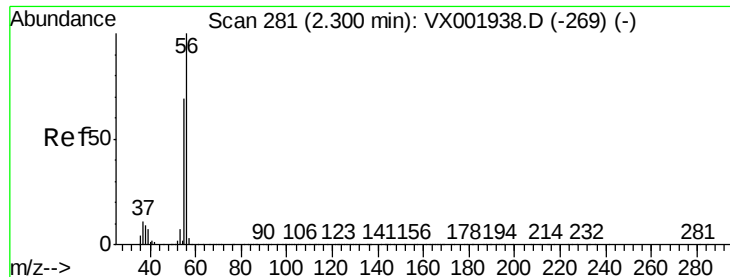
Tgt Ion: 142 Resp: 1869
Ion Ratio Lower Upper
142 100
127 50.3 35.5 53.3
141 11.5 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.25 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX002164.D
Acq: 31 May 2018 04:23

Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 19.8 8.9 13.3#





#13

Acrolein

Concen: 0.20 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

Instrument :

MSVOA_X

ClientSampled :

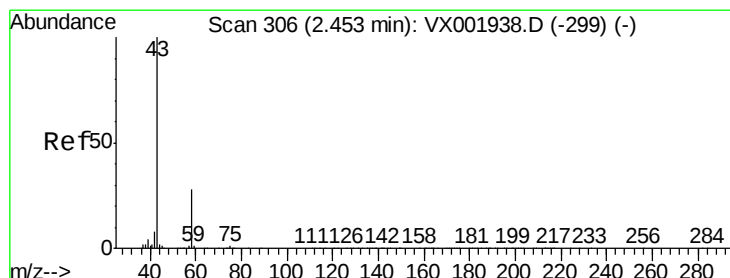
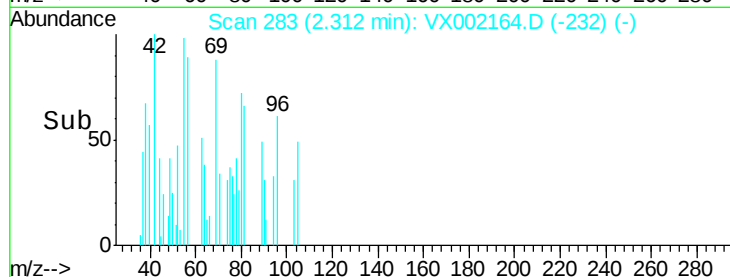
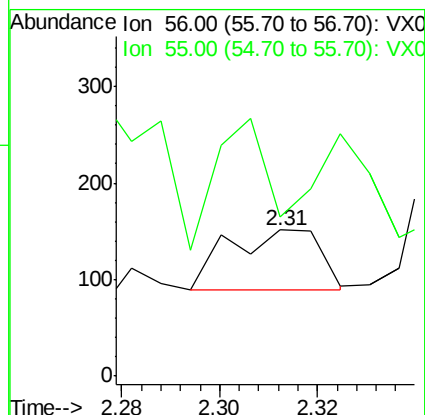
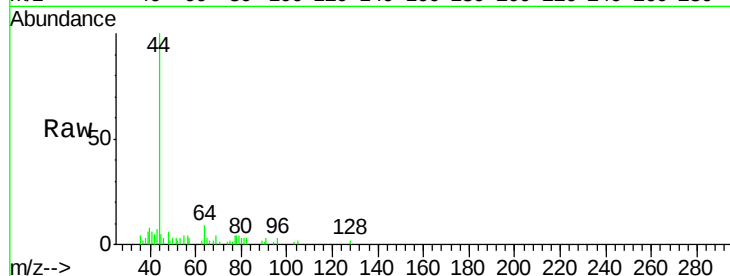
MW-15

Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

56 100

55 127.2 56.8 85.2#



#16

Acetone

Concen: 0.36 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002164.D

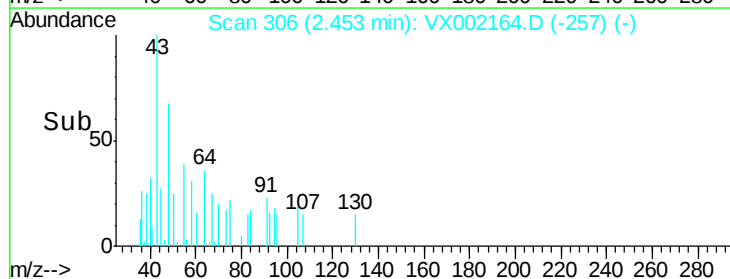
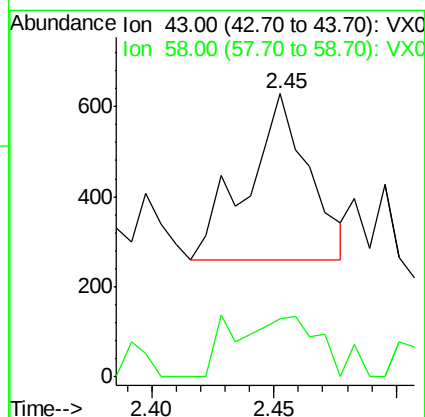
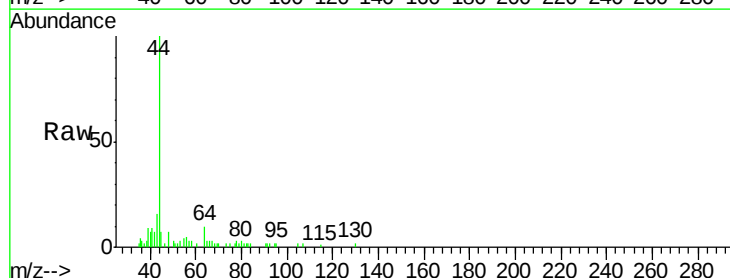
Acq: 31 May 2018 04:23

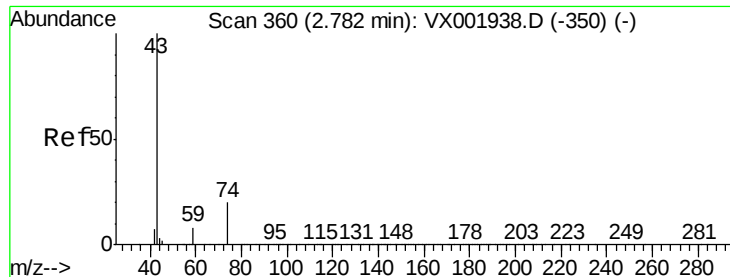
Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

58 34.8 22.3 33.5#

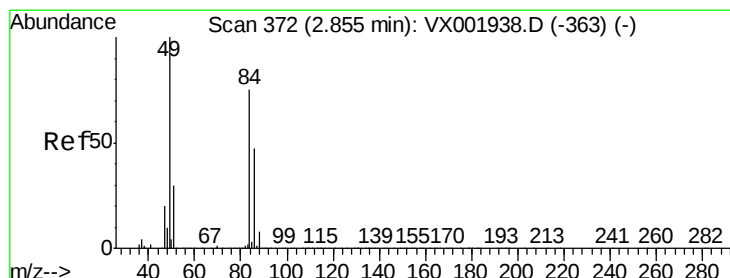
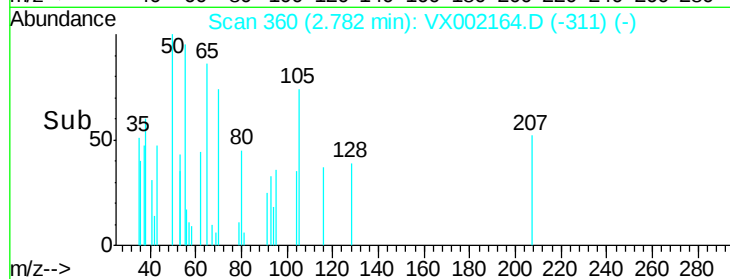
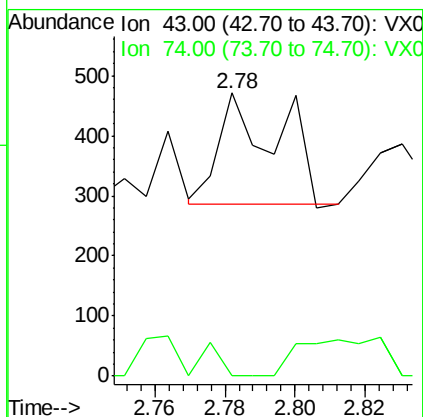
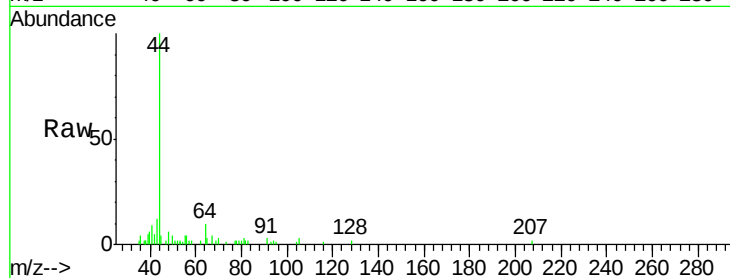




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002164.D
Acq: 31 May 2018 04:23

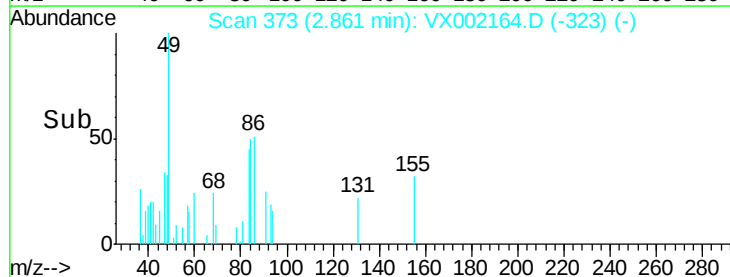
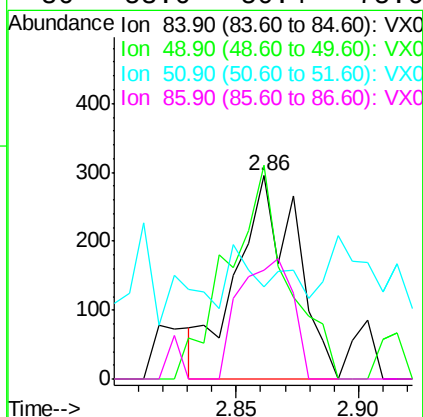
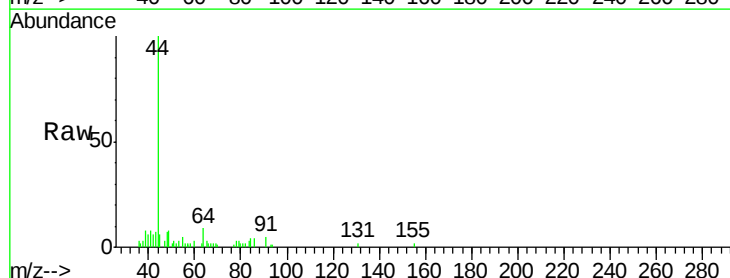
Instrument :
MSVOA_X
ClientSampled :
MW-15

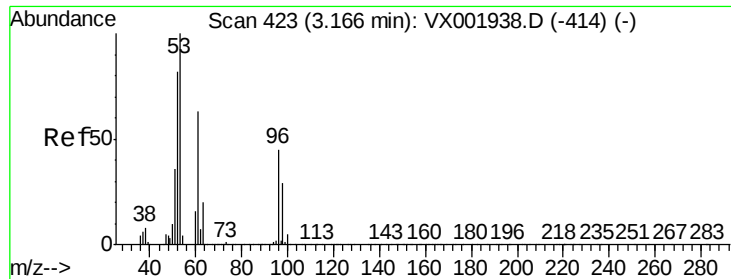
Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002164.D
Acq: 31 May 2018 04:23

Tgt Ion: 84 Resp: 500
Ion Ratio Lower Upper
84 100
49 105.1 107.2 160.8#
51 1.0 32.4 48.6#
86 53.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.14 min Scan# 419

Delta R.T. -0.02 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

Instrument :

MSVOA_X

ClientSampled :

MW-15

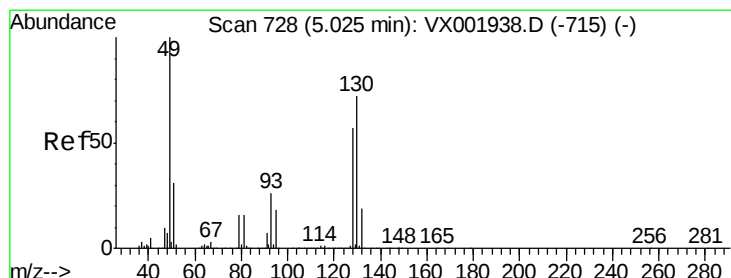
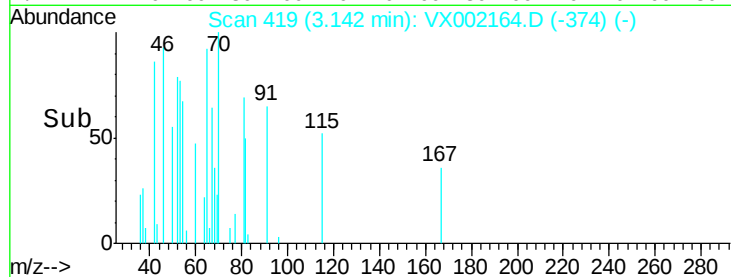
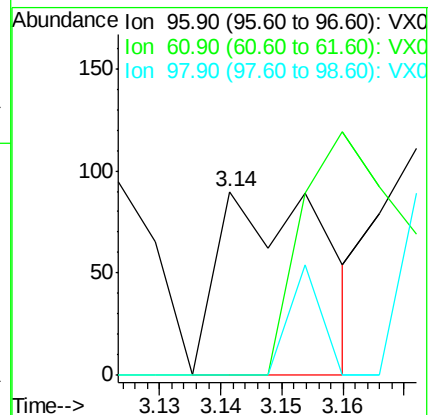
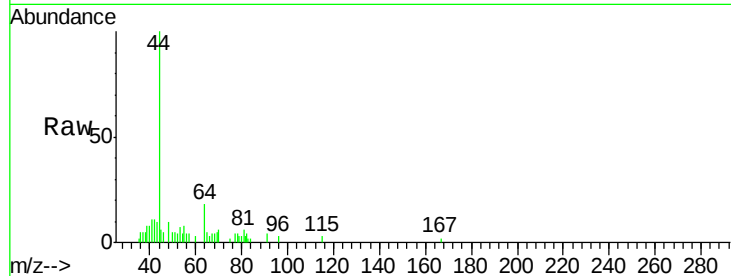
Tgt Ion: 96 Resp: 108

Ion Ratio Lower Upper

96 100

61 0.0 113.3 169.9#

98 0.0 51.7 77.5#



#28

Bromochloromethane

Concen: Below Cal

RT: 4.96 min Scan# 717

Delta R.T. -0.07 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

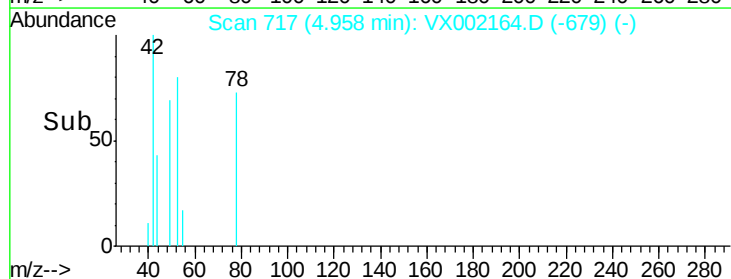
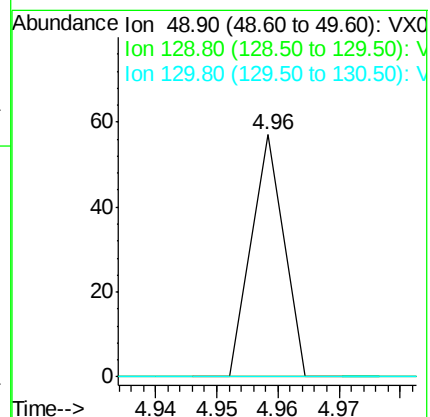
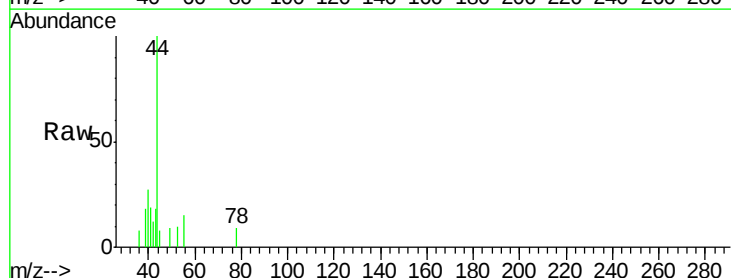
Tgt Ion: 49 Resp: 21

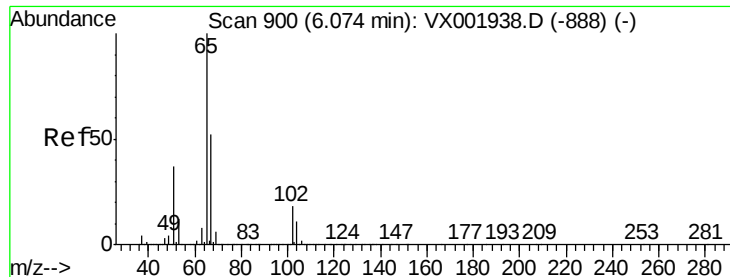
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 59.4 89.2#





#33

1,2-Dichloroethane-d4

Concen: 35.30 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

Instrument :

MSVOA_X

ClientSampleId :

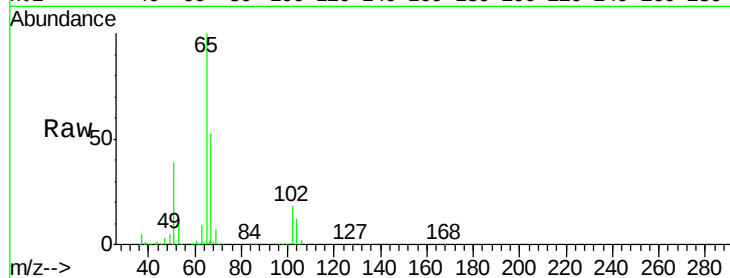
MW-15

Tgt Ion: 65 Resp: 166191

Ion Ratio Lower Upper

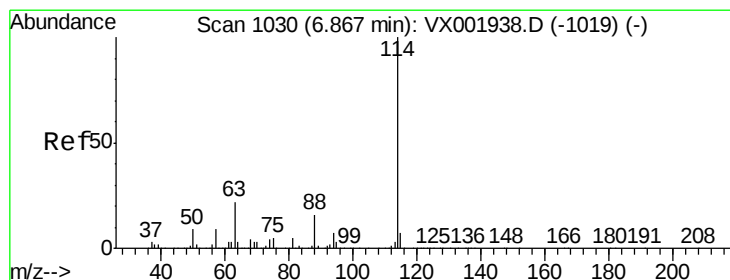
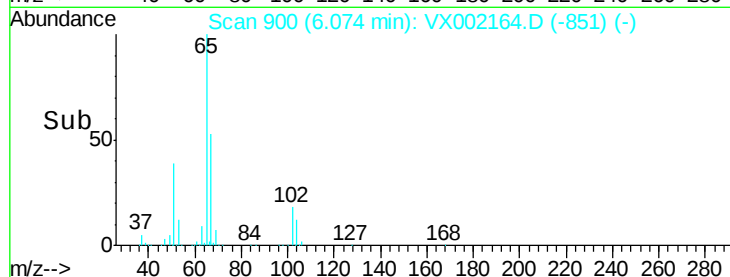
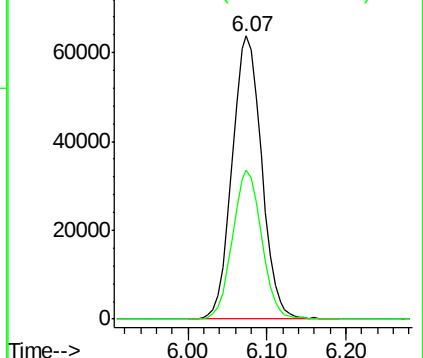
65 100

67 52.0 0.0 104.0



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: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

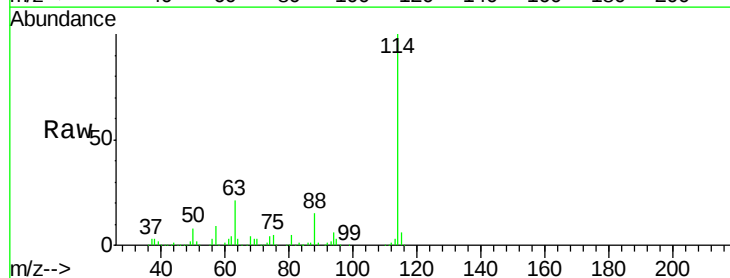
Tgt Ion: 114 Resp: 377786

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

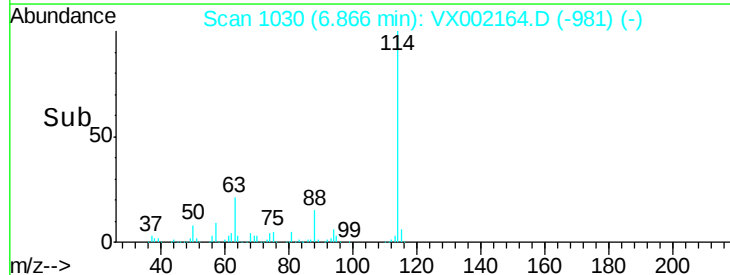
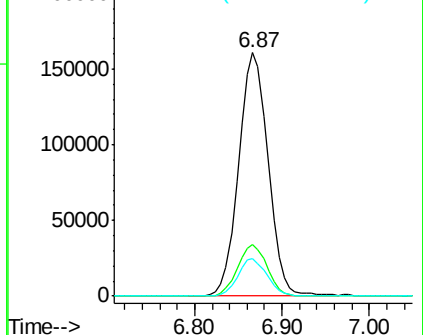
88 15.4 0.0 31.6

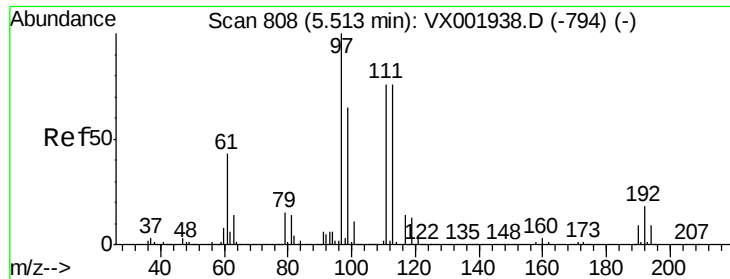


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

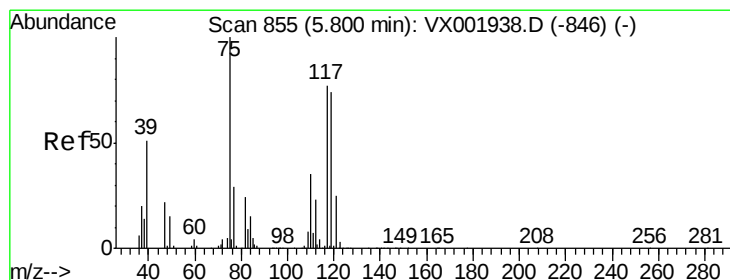
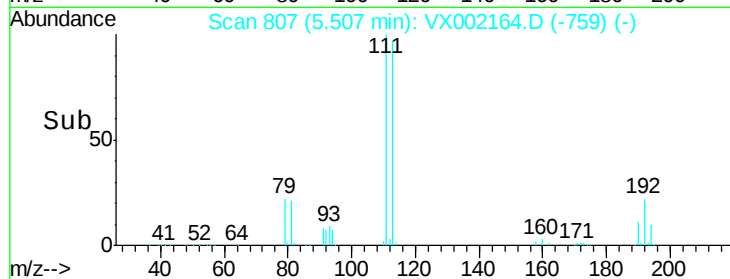
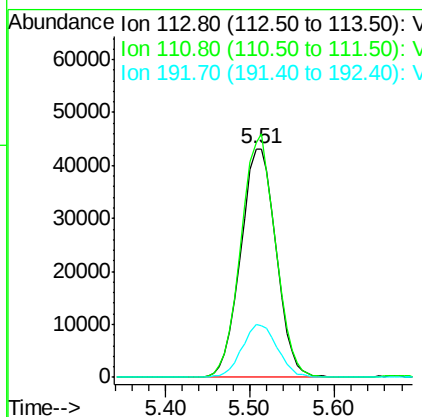
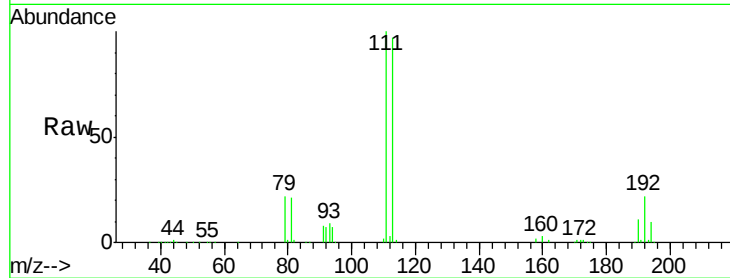




#35
 Dibromofluoromethane
 Concen: 32.56 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002164.D
 Acq: 31 May 2018 04:23

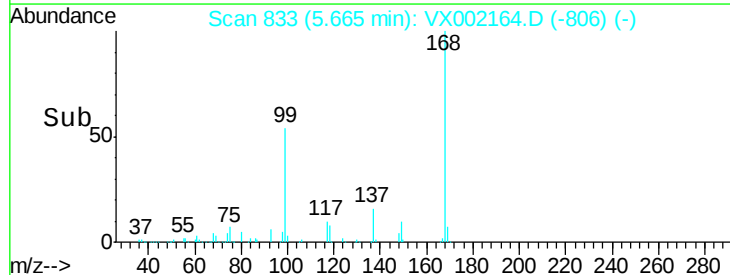
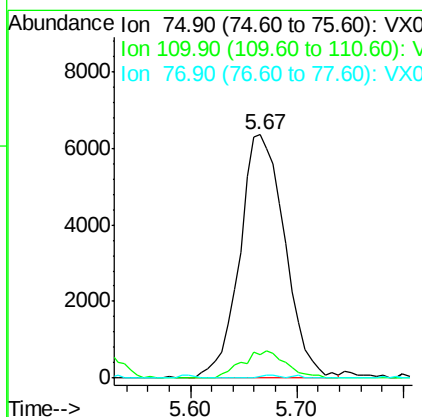
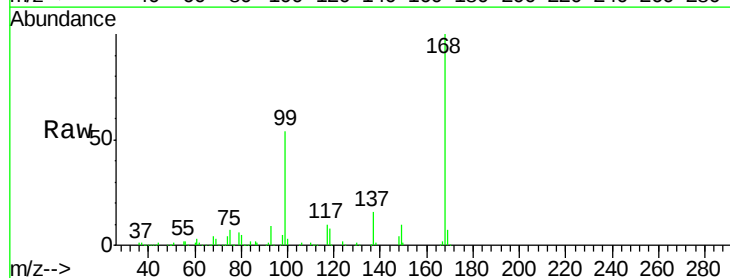
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15

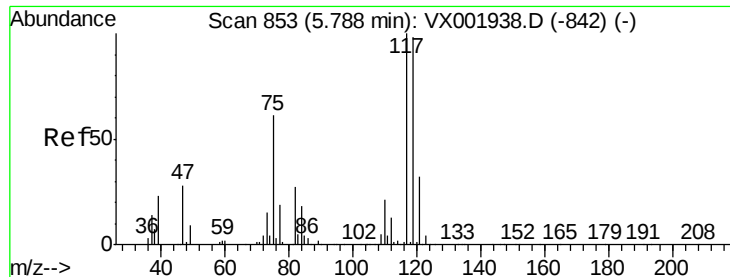
Tgt Ion:113 Resp: 123003
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.0 123.0
 192 23.0 18.9 28.3



#36
 1,1-Dichloropropene
 Concen: 3.59 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002164.D
 Acq: 31 May 2018 04:23

Tgt Ion: 75 Resp: 18840
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.4 52.2#
 77 0.5 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 3.98 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

Instrument :

MSVOA_X

ClientSampleId :

MW-15

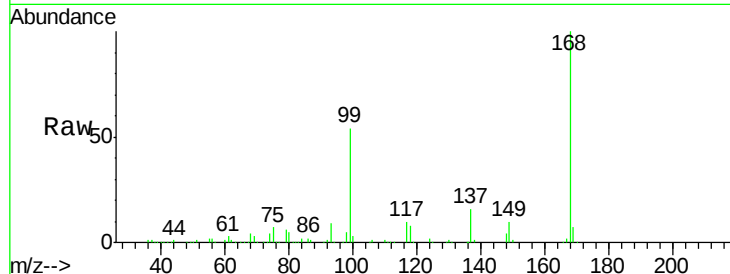
Tgt Ion:117 Resp: 24399

Ion Ratio Lower Upper

117 100

119 4.5 78.5 117.7#

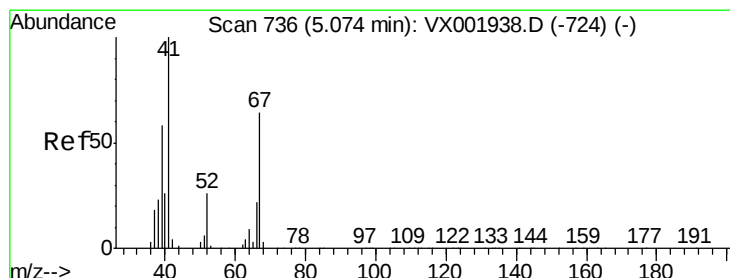
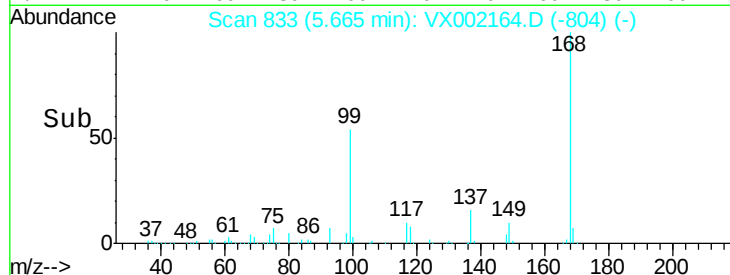
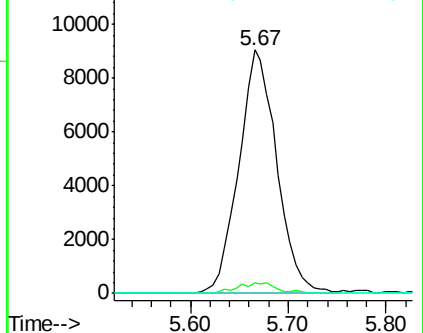
121 0.0 25.5 38.3#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.09 min Scan# 739

Delta R.T. 0.02 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

Tgt Ion: 41 Resp: 277

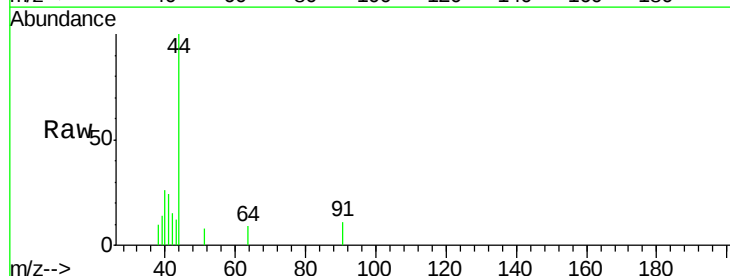
Ion Ratio Lower Upper

41 100

39 0.0 46.0 69.0#

67 0.0 50.6 75.8#

52 0.0 21.9 32.9#

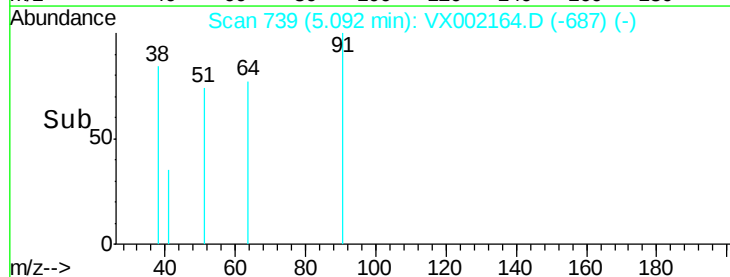
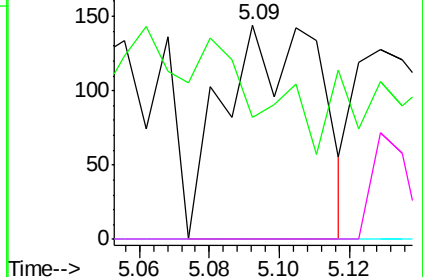


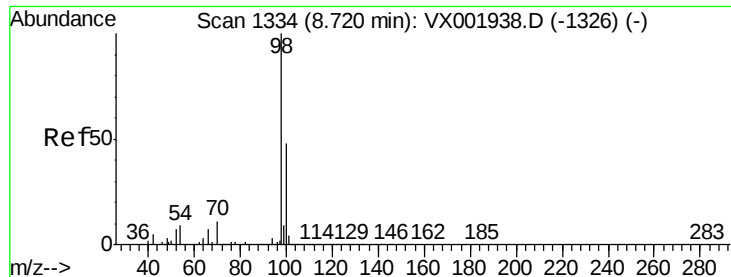
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#50

Toluene-d8

Concen: 36.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

Instrument :

MSVOA_X

ClientSampleId :

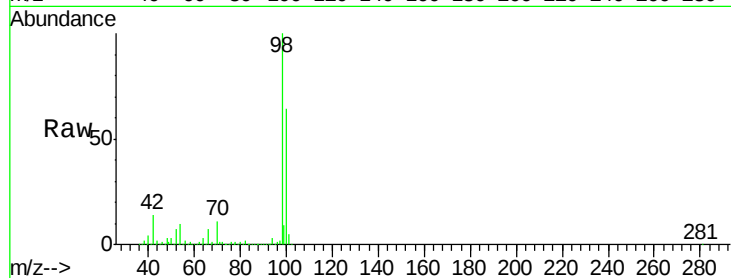
MW-15

Tgt Ion: 98 Resp: 497308

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

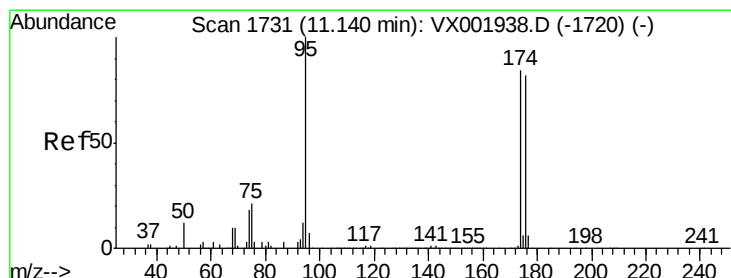
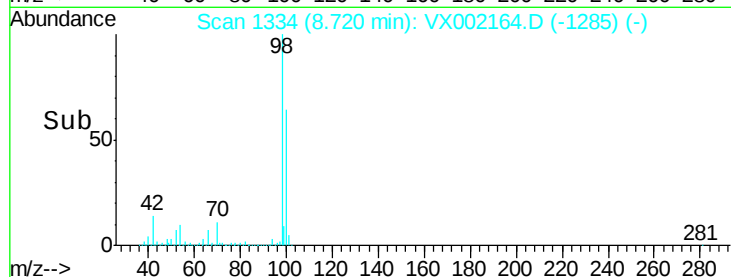
300000

200000

100000

0

Time--> 8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 32.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

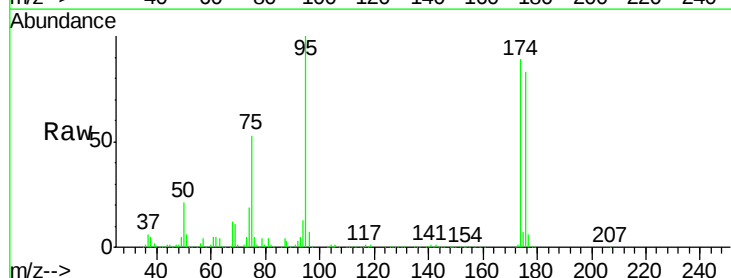
Tgt Ion: 95 Resp: 173420

Ion Ratio Lower Upper

95 100

174 91.4 0.0 178.8

176 88.3 0.0 175.6



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

11.14

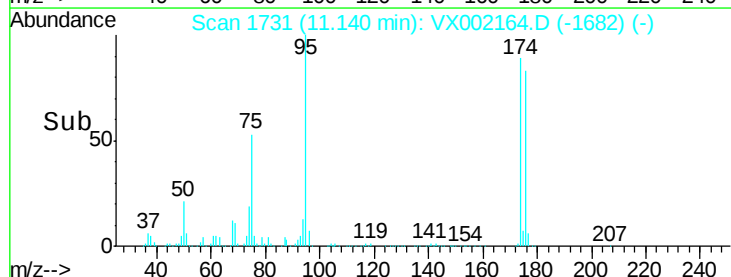
150000

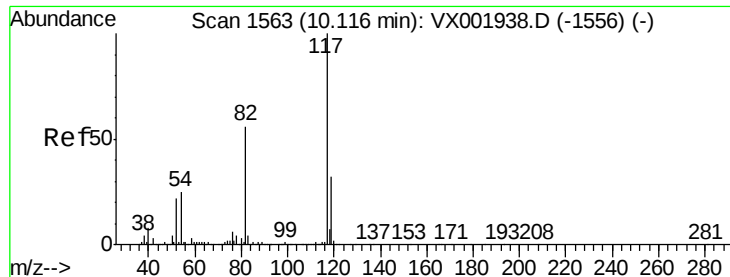
100000

50000

0

Time--> 11.10 11.20

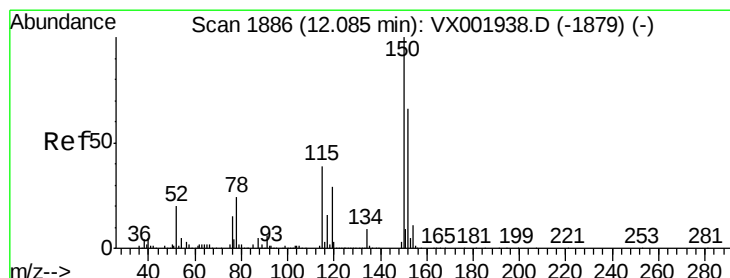
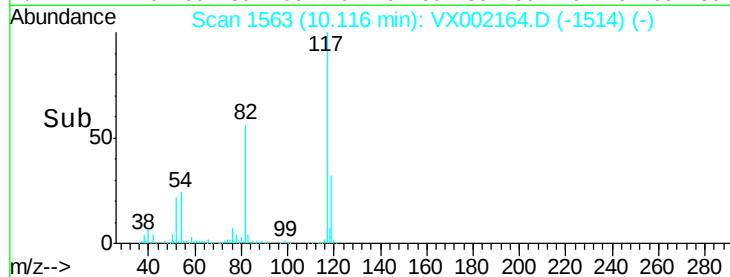
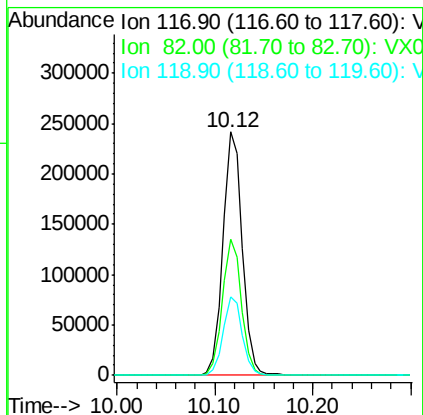
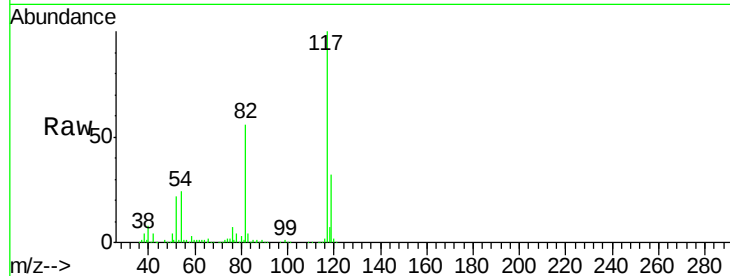




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002164.D
Acq: 31 May 2018 04:23

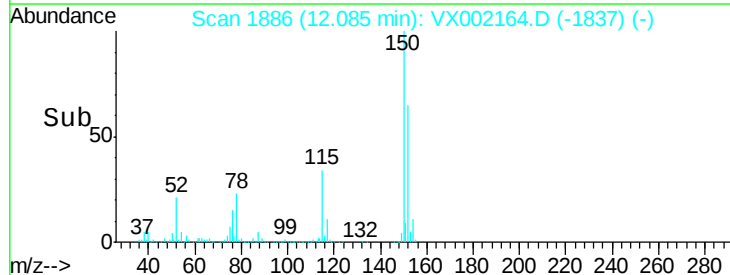
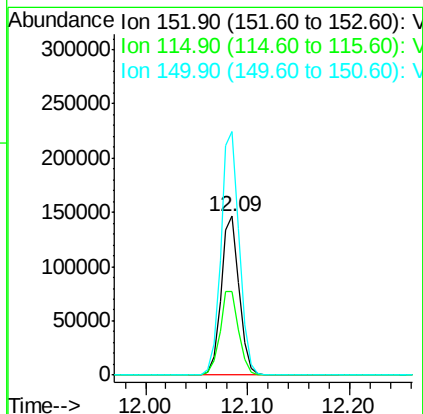
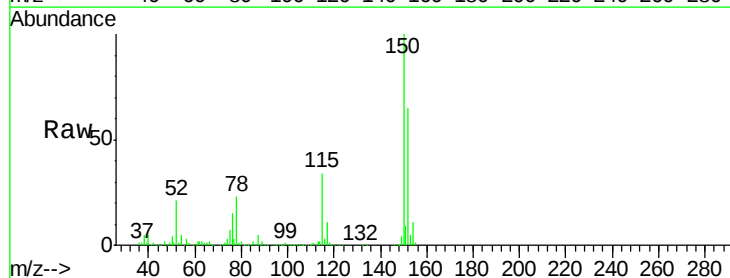
Instrument :
MSVOA_X
ClientSampleId :
MW-15

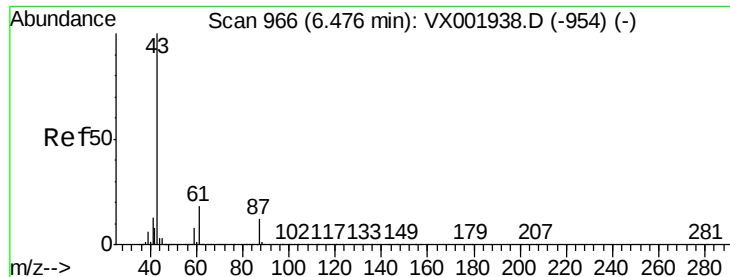
Tgt Ion:117 Resp: 331242
Ion Ratio Lower Upper
117 100
82 55.8 44.8 67.2
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002164.D
Acq: 31 May 2018 04:23

Tgt Ion:152 Resp: 180680
Ion Ratio Lower Upper
152 100
115 54.9 42.3 126.8
150 156.1 0.0 351.0





#74

N-amyI acetate

Concen: Below Cal

RT: 6.51 min Scan# 971

Delta R.T. 0.03 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

Instrument :

MSVOA_X

ClientSampleId :

MW-15

Tgt Ion: 43 Resp: 377

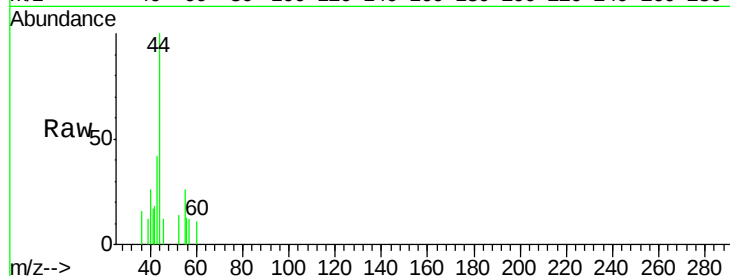
Ion Ratio Lower Upper

43 100

70 5.3 0.1 0.1#

55 36.9 0.1 0.1#

61 0.0 14.5 21.7#



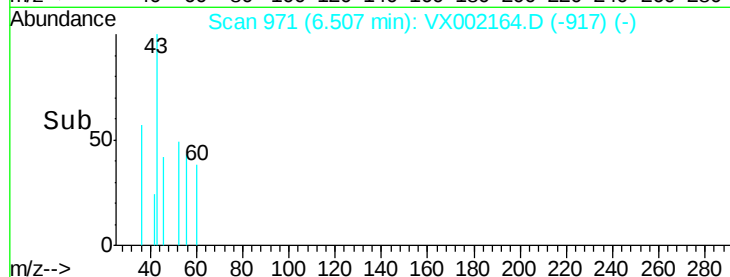
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

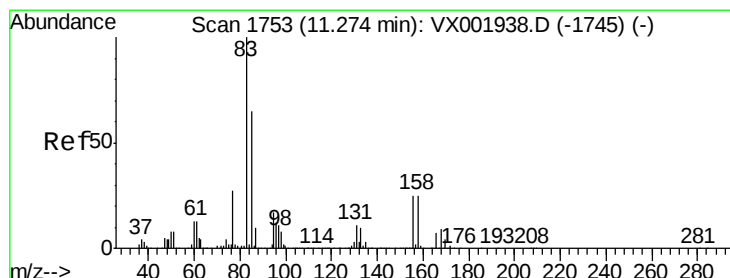
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Time-->



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

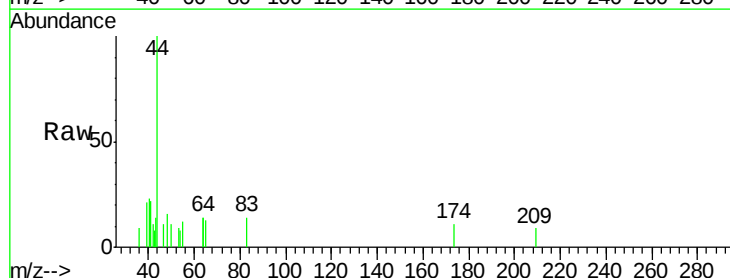
Tgt Ion: 83 Resp: 33

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

85 0.0 32.6 97.7#

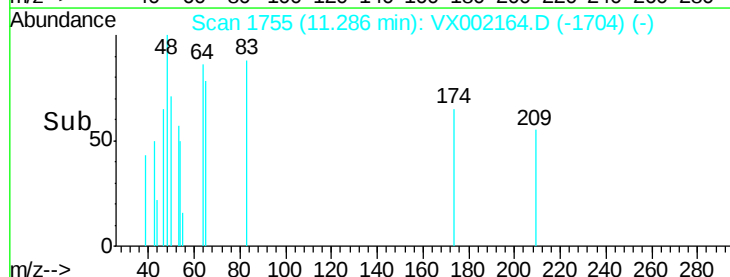


Abundance Ion 82.90 (82.60 to 83.60): VX0

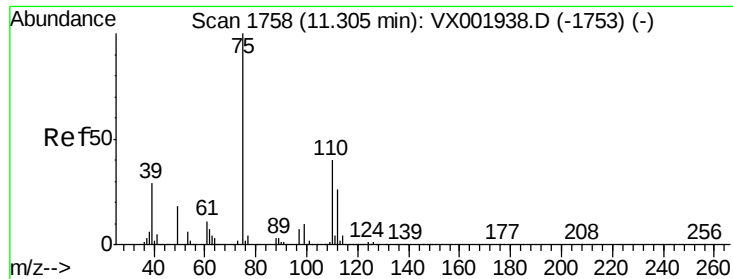
Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

Time-->



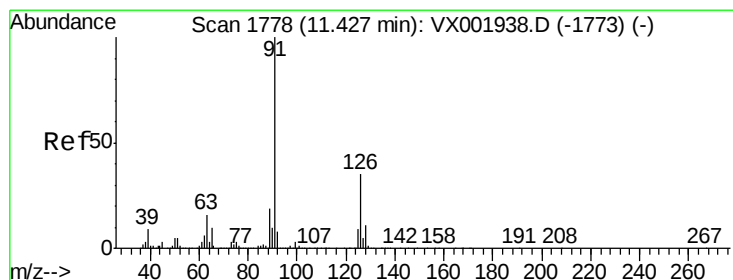
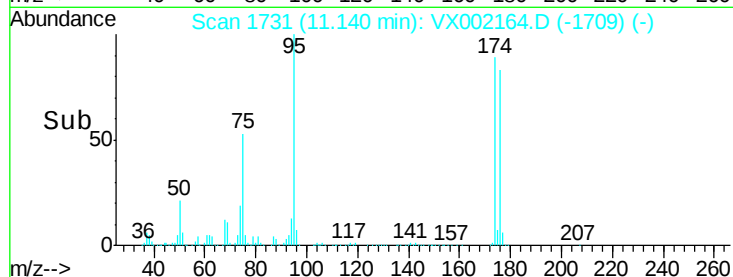
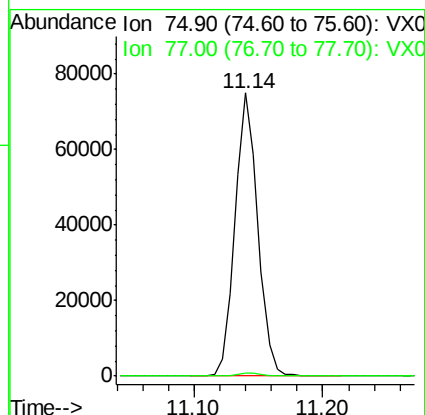
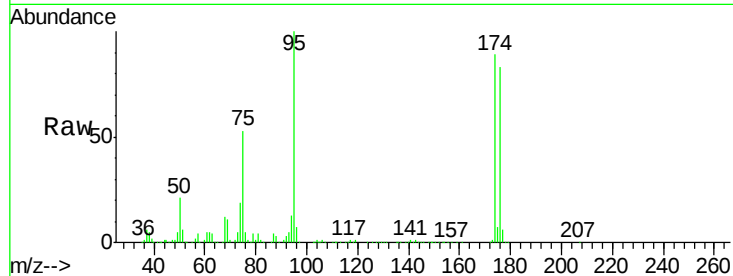
Time-->



#76
 1,2,3-Trichloropropane
 Concen: 21.39 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002164.D
 Acq: 31 May 2018 04:23

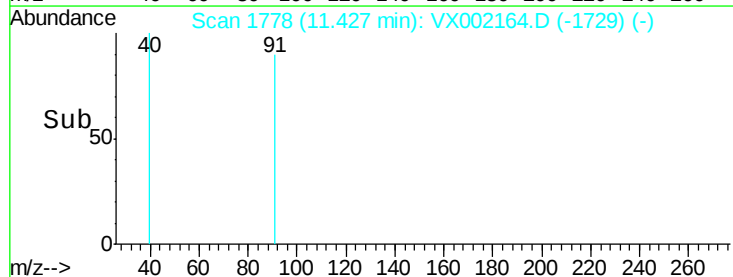
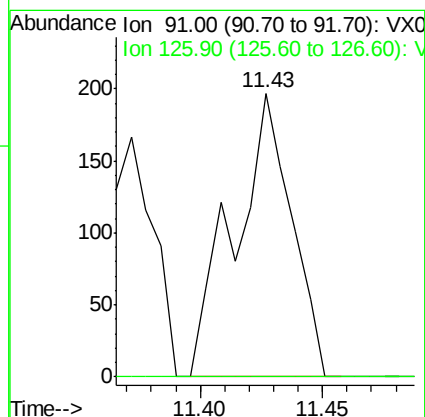
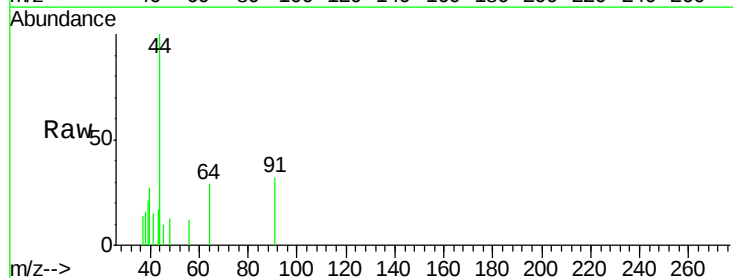
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15

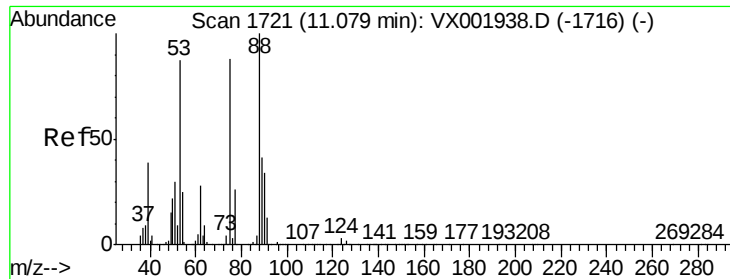
Tgt Ion: 75 Resp: 92824
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX002164.D
 Acq: 31 May 2018 04:23

Tgt Ion: 91 Resp: 322
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.4 52.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 51.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002164.D

Acq: 31 May 2018 04:23

Instrument :

MSVOA_X

ClientSampleId :

MW-15

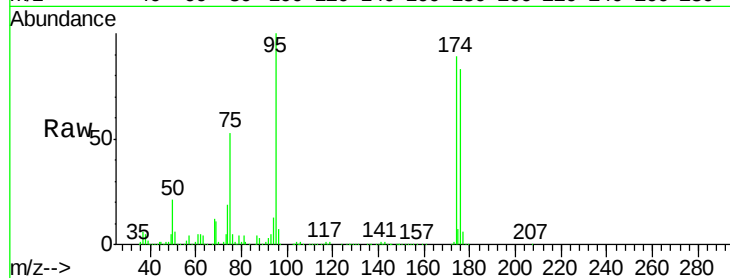
Tgt Ion: 75 Resp: 92824

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#



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

