

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051718\
 Data File : VX001793.D
 Acq On : 17 May 2018 16:26
 Operator : JC/MD
 Sample : J2853-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW107-180508

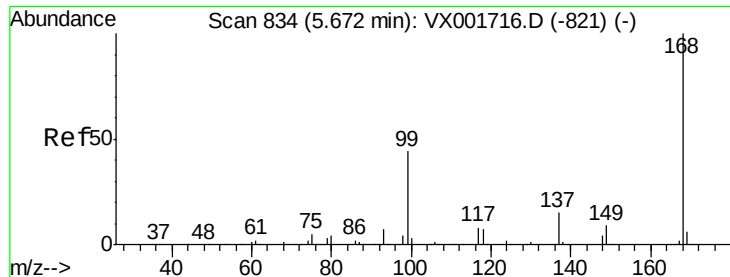
Quant Time: May 18 03:58:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	296438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	399492	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164738	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	215091	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
35) Dibromofluoromethane	5.51	113	183509	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
50) Toluene-d8	8.72	98	645744	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
62) 4-Bromofluorobenzene	11.14	95	191947	44.15	ug/l	0.00
Spiked Amount			Recovery	=	88.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1041	0.32	ug/l	89
4) Vinyl Chloride	1.40	62	6116	1.76	ug/l	100
5) Bromomethane	1.65	94	1579	Below Cal		89
10) Methyl Iodide	2.52	142	2235	0.80	ug/l	98
11) Tert butyl alcohol	3.07	59	409	0.58	ug/l	97
13) Acrolein	2.30	56	197	0.39	ug/l #	15
15) Acrylonitrile	3.17	53	401	0.23	ug/l #	75
16) Acetone	2.45	43	2219	1.42	ug/l	97
17) Carbon Disulfide	2.57	76	1678	0.22	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	823	0.25	ug/l #	81
27) cis-1,2-Dichloroethene	4.60	96	7004	1.91	ug/l	92
31) Cyclohexane	5.67	56	4802	0.96	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16936	3.68	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24271	5.04	ug/l #	16
51) 4-Methyl-2-Pentanone	8.72	43	2810	0.59	ug/l #	1
60) Dibromochloromethane	9.34	129	1506	0.44	ug/l #	11
64) Tetrachloroethene	9.34	164	1666	0.40	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	90167	28.78	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	90167	83.41	ug/l #	10
86) p-Isopropyltoluene	12.24	119	3295	0.33	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

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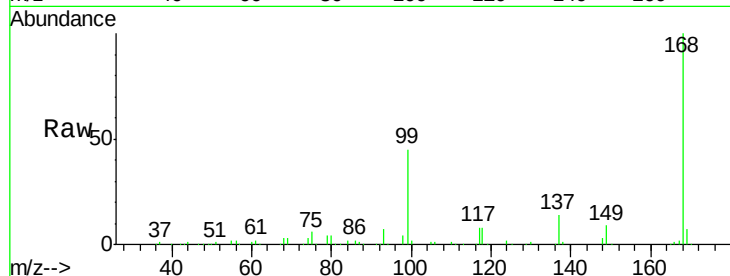
SS037MW107-180508

Tgt Ion:168 Resp: 296438

Ion Ratio Lower Upper

168 100

99 45.0 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

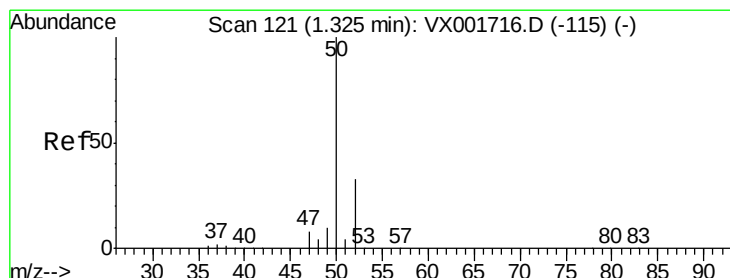
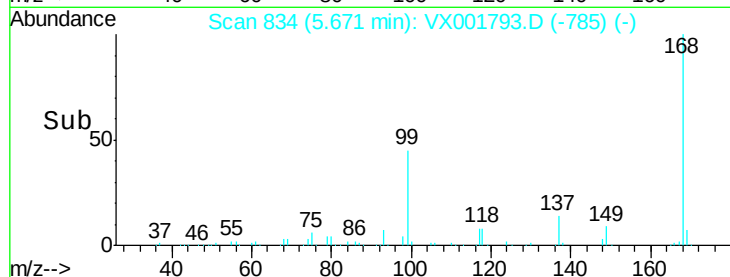
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001793.D

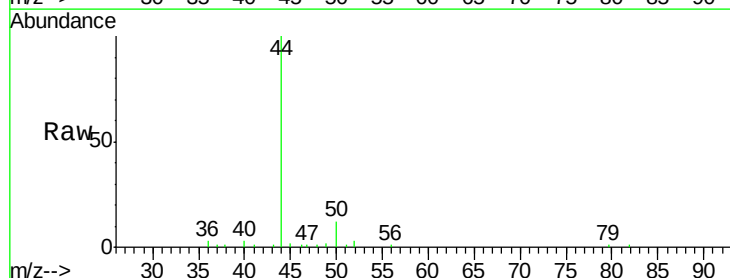
Acq: 17 May 2018 16:26

Tgt Ion: 50 Resp: 1041

Ion Ratio Lower Upper

50 100

52 26.7 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

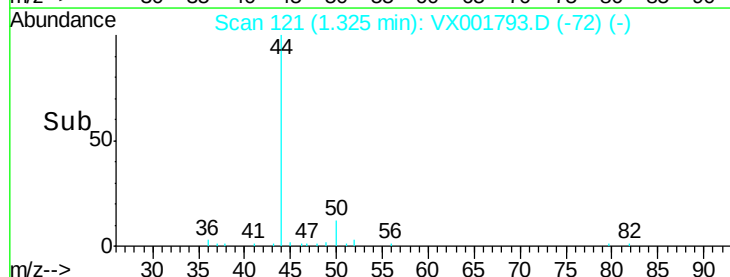
600

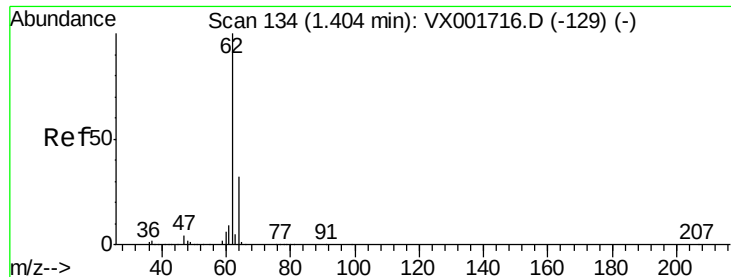
400

200

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 1.76 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

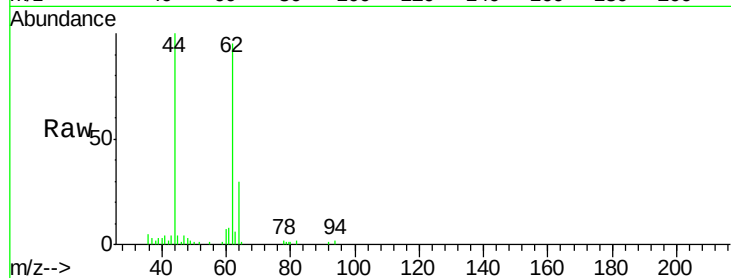
SS037MW107-180508

Tgt Ion: 62 Resp: 6116

Ion Ratio Lower Upper

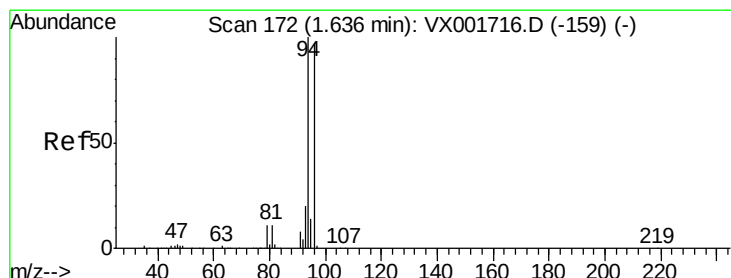
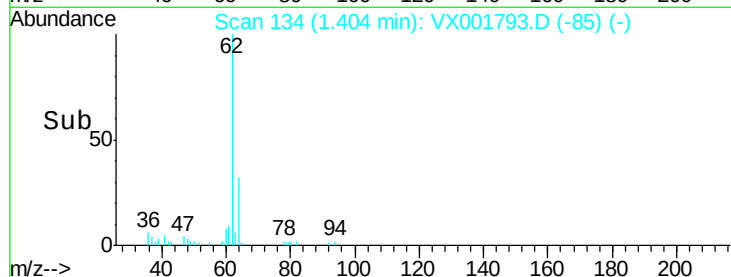
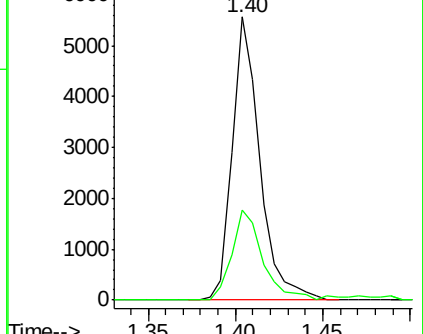
62 100

64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001793.D

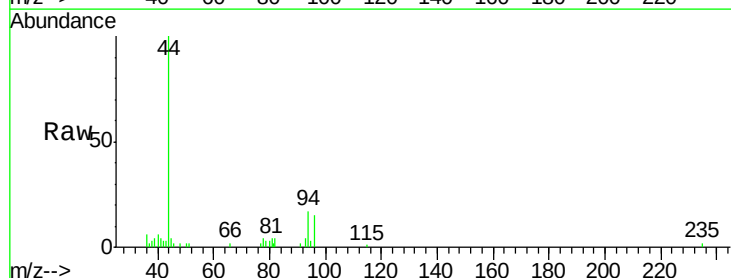
Acq: 17 May 2018 16:26

Tgt Ion: 94 Resp: 1579

Ion Ratio Lower Upper

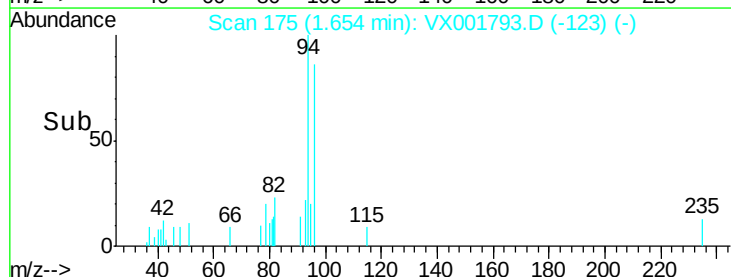
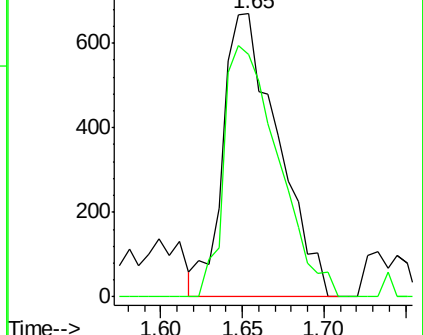
94 100

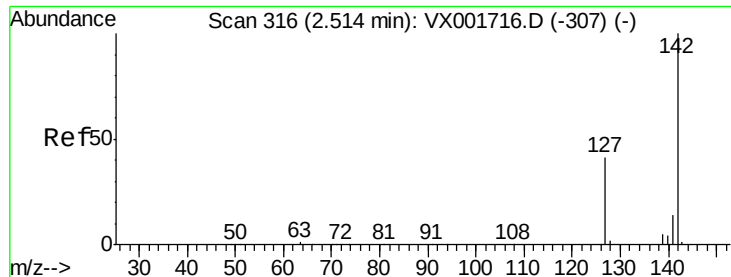
96 85.8 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

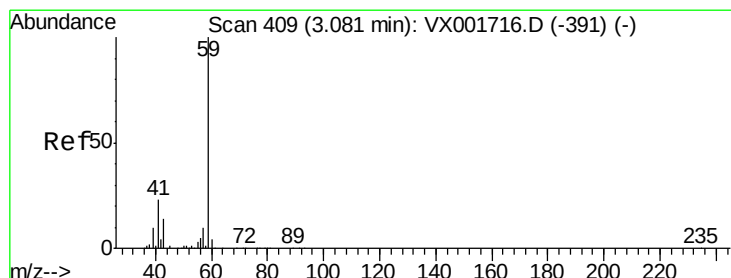
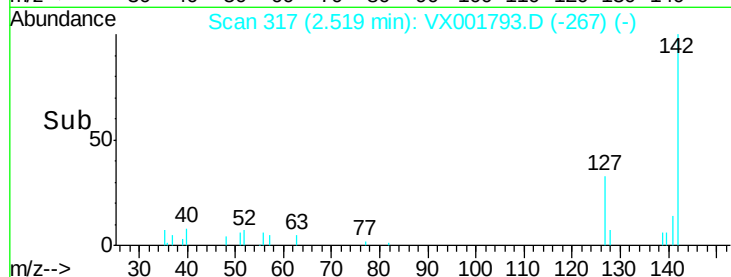
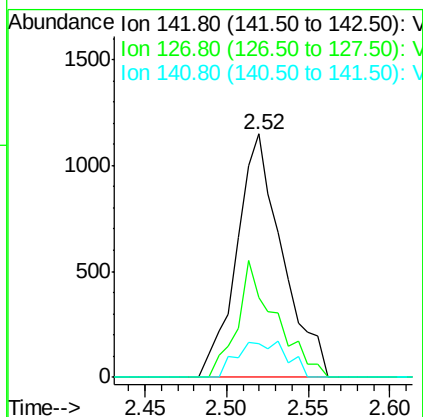
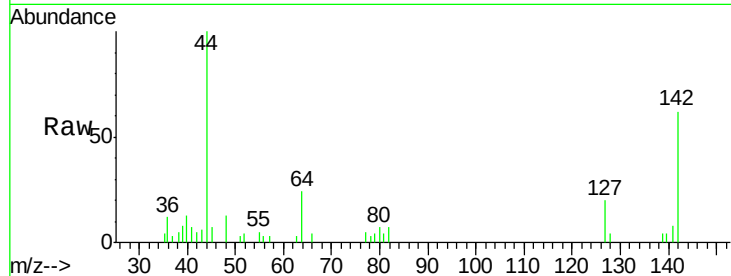




#10
Methyl Iodide
Concen: 0.80 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001793.D
Acq: 17 May 2018 16:26

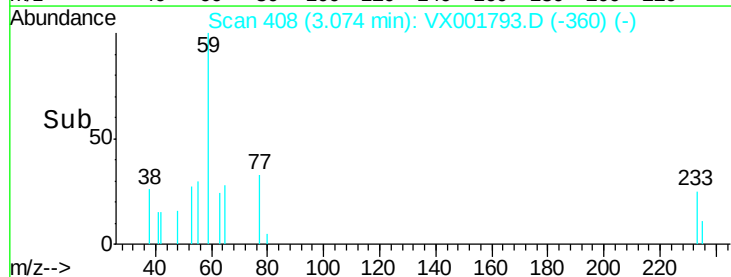
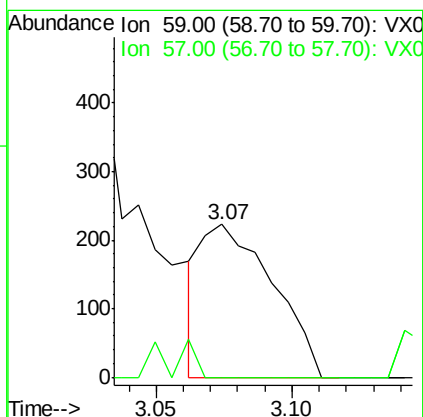
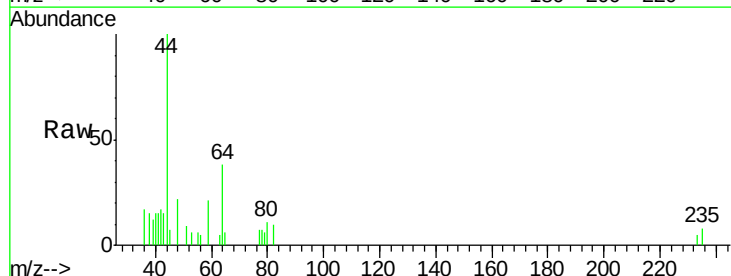
Instrument :
MSVOA_X
ClientSampleId :
SS037MW107-180508

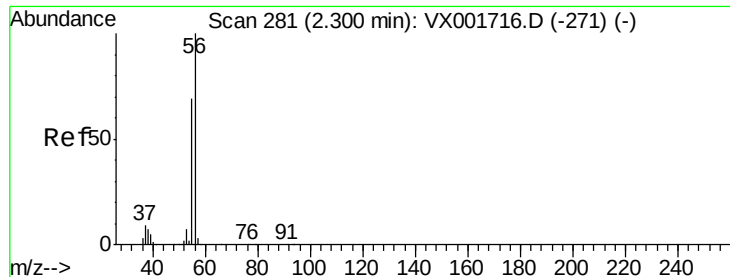
Tgt Ion:142 Resp: 2235
Ion Ratio Lower Upper
142 100
127 40.3 32.5 48.7
141 16.2 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.58 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001793.D
Acq: 17 May 2018 16:26

Tgt Ion: 59 Resp: 409
Ion Ratio Lower Upper
59 100
57 9.5 8.5 12.7

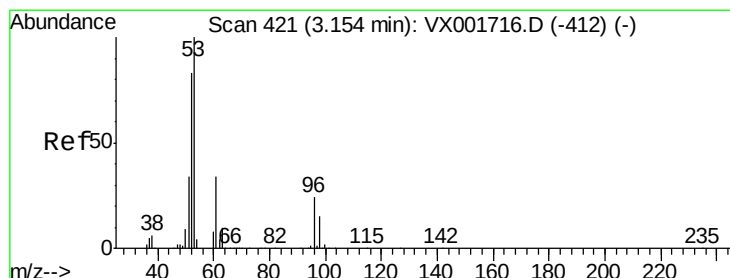
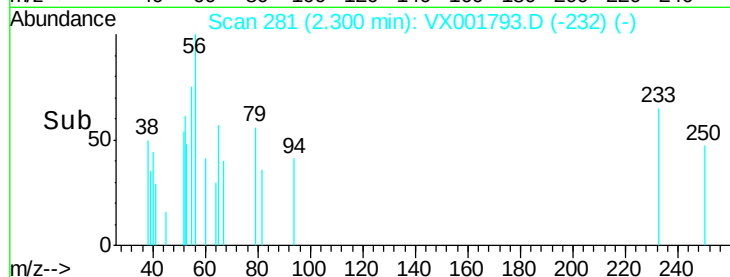
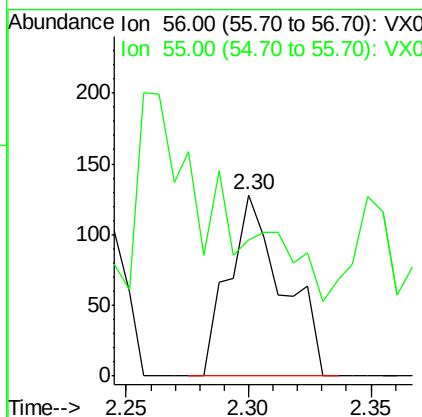
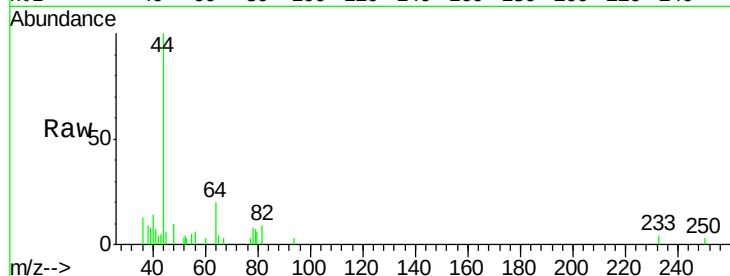




#13
Acrolein
Concen: 0.39 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX001793.D
Acq: 17 May 2018 16:26

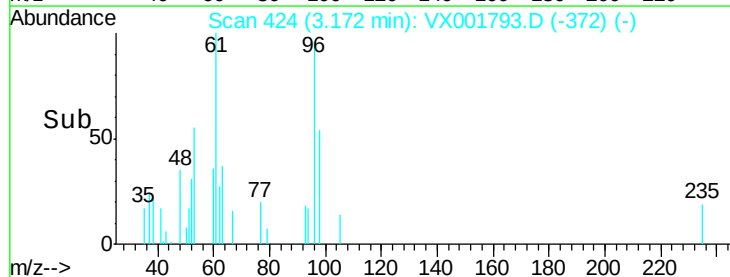
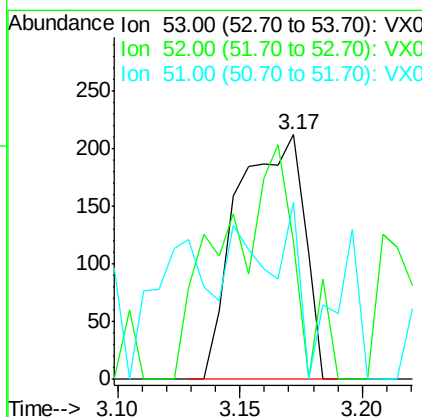
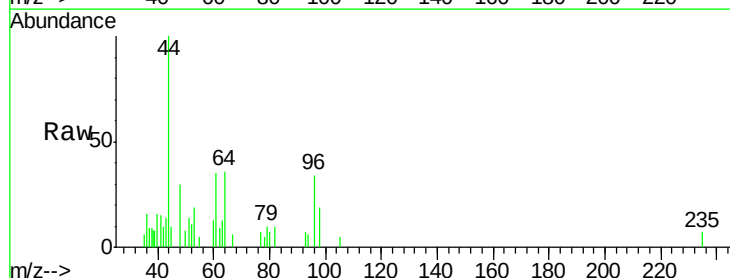
Instrument :
MSVOA_X
ClientSampleId :
SS037MW107-180508

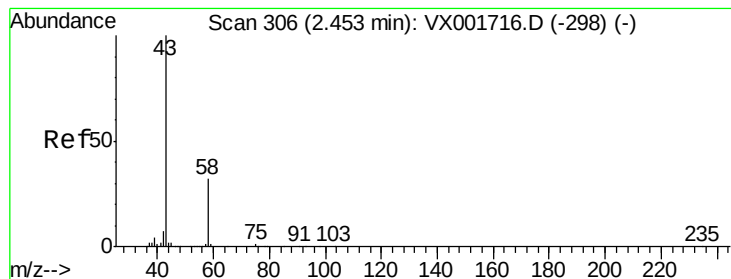
Tgt Ion: 56 Resp: 197
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#15
Acrylonitrile
Concen: 0.23 ug/l
RT: 3.17 min Scan# 424
Delta R.T. 0.02 min
Lab File: VX001793.D
Acq: 17 May 2018 16:26

Tgt Ion: 53 Resp: 401
Ion Ratio Lower Upper
53 100
52 102.7 65.6 98.4#
51 52.9 28.1 42.1#





#16

Acetone

Concen: 1.42 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

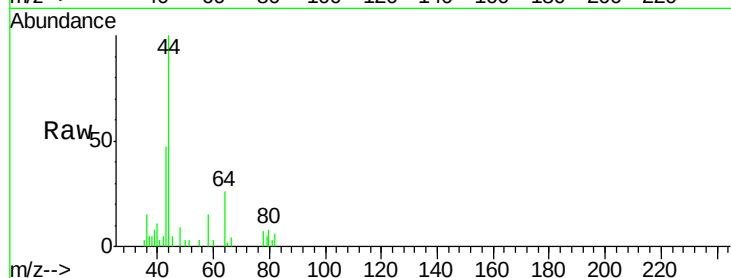
SS037MW107-180508

Tgt Ion: 43 Resp: 2219

Ion Ratio Lower Upper

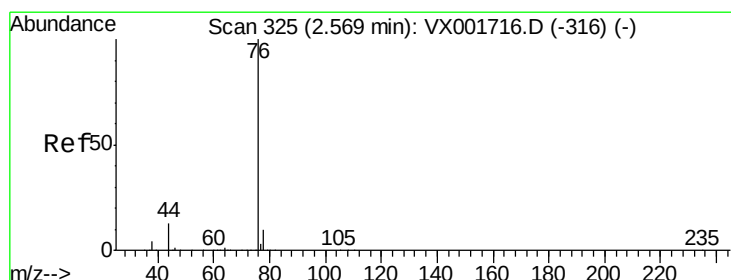
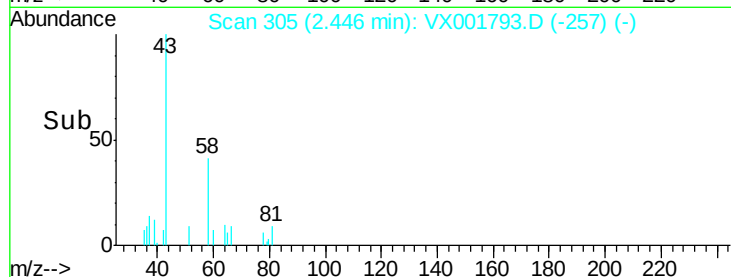
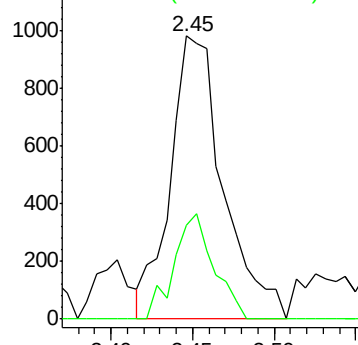
43 100

58 33.0 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001793.D

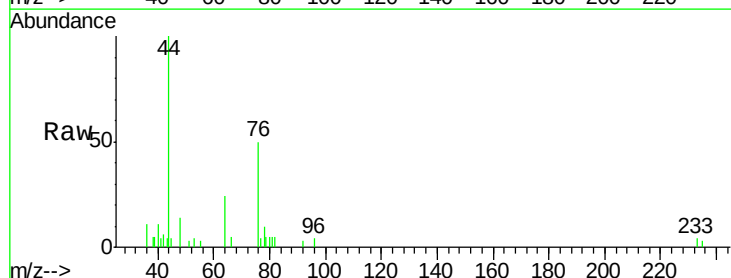
Acq: 17 May 2018 16:26

Tgt Ion: 76 Resp: 1678

Ion Ratio Lower Upper

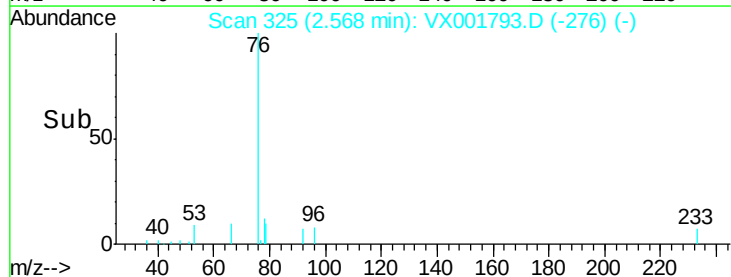
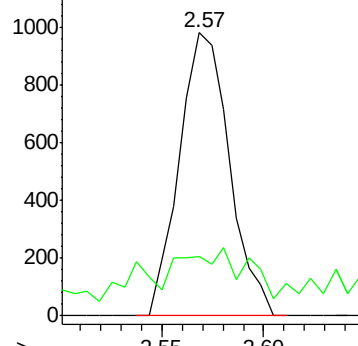
76 100

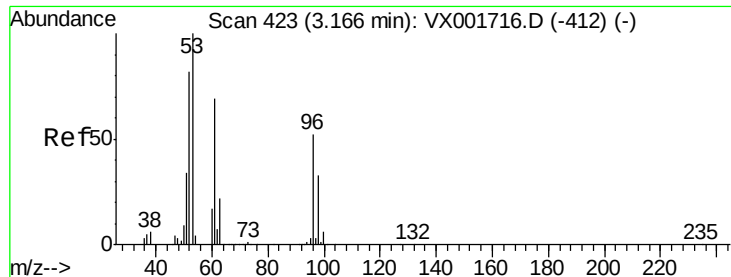
78 9.3 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.25 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

SS037MW107-180508

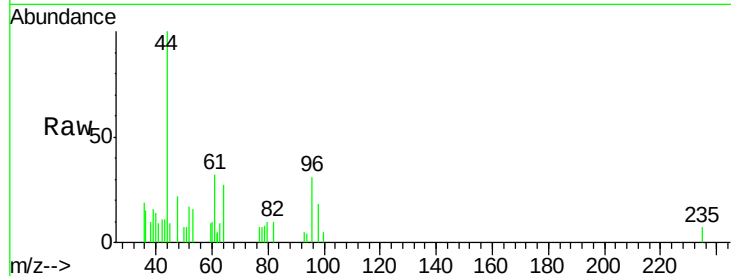
Tgt Ion: 96 Resp: 823

Ion Ratio Lower Upper

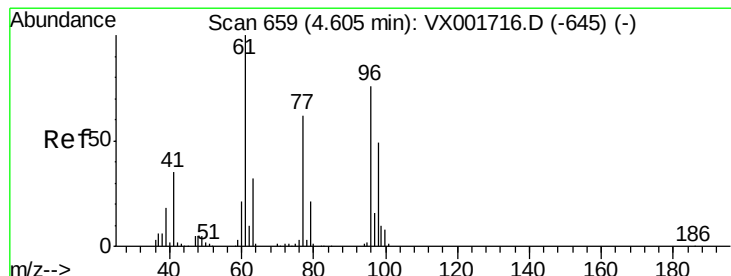
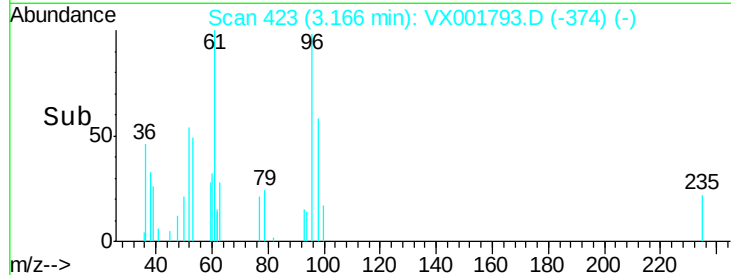
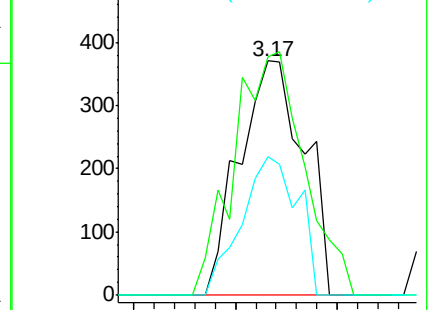
96 100

61 101.9 105.8 158.8#

98 59.2 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.91 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

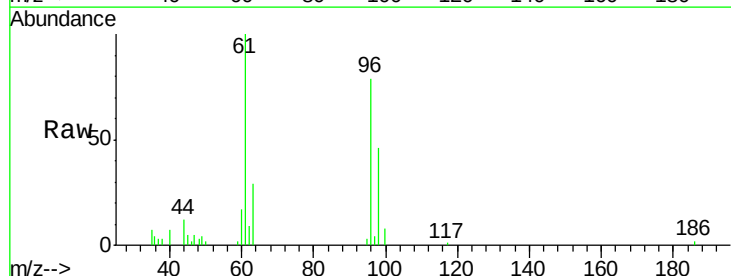
Tgt Ion: 96 Resp: 7004

Ion Ratio Lower Upper

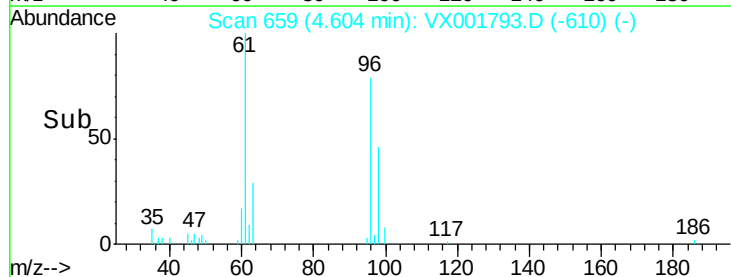
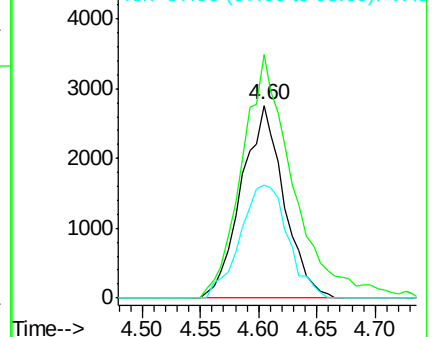
96 100

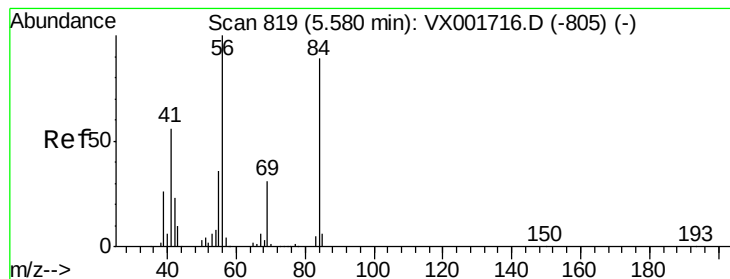
61 153.4 0.0 280.4

98 66.2 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

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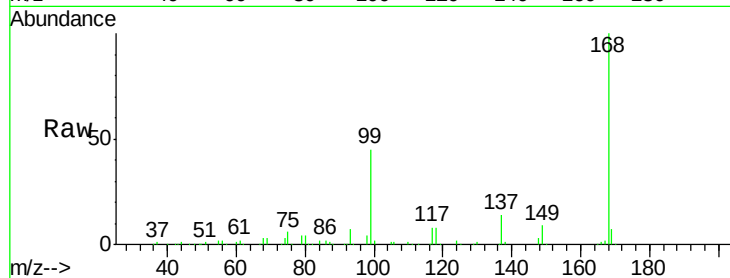
Tgt Ion: 56 Resp: 4802

Ion Ratio Lower Upper

56 100

69 188.5 25.0 37.6#

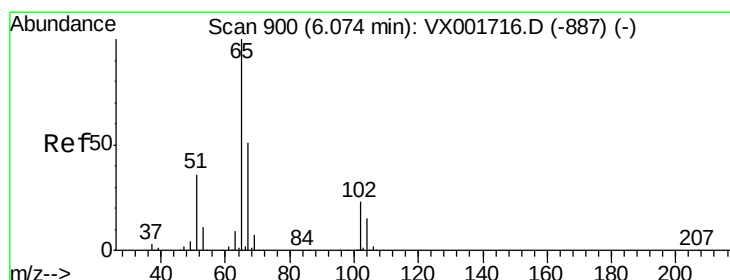
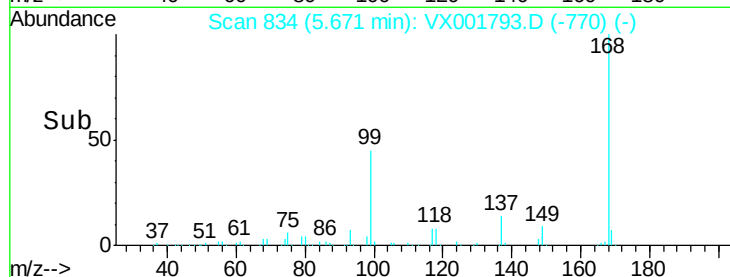
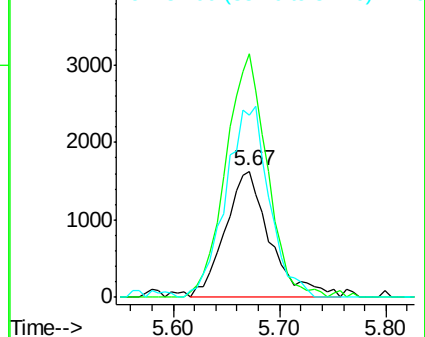
84 144.4 71.0 106.4#



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: 54.13 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001793.D

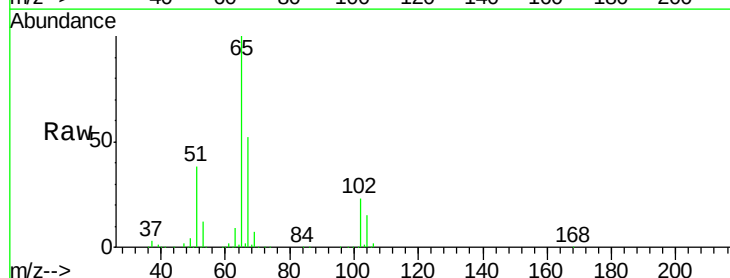
Acq: 17 May 2018 16:26

Tgt Ion: 65 Resp: 215091

Ion Ratio Lower Upper

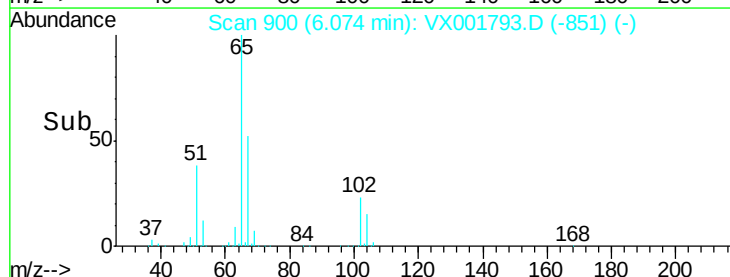
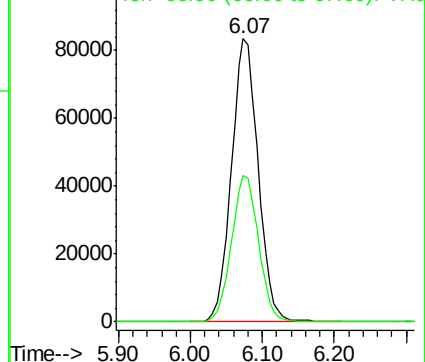
65 100

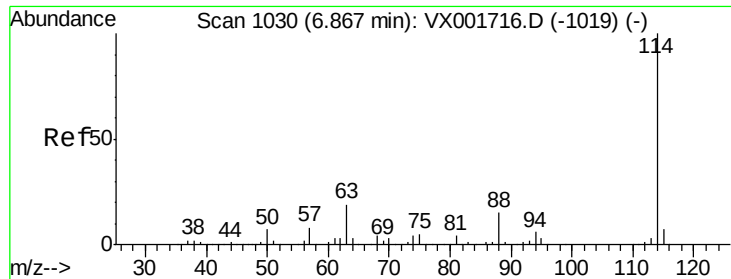
67 52.3 0.0 102.8



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: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

SS037MW107-180508

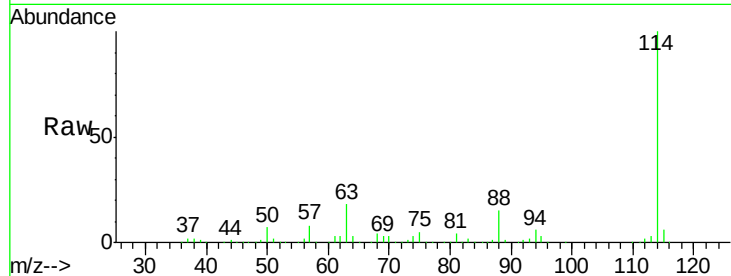
Tgt Ion:114 Resp: 399492

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

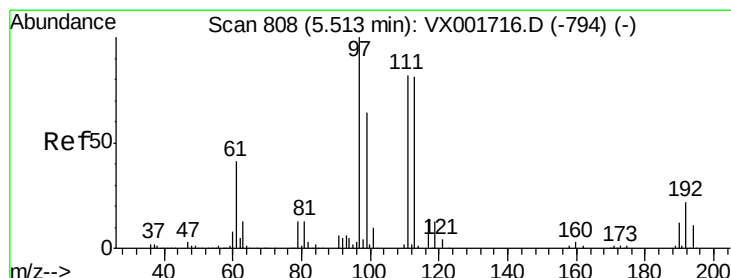
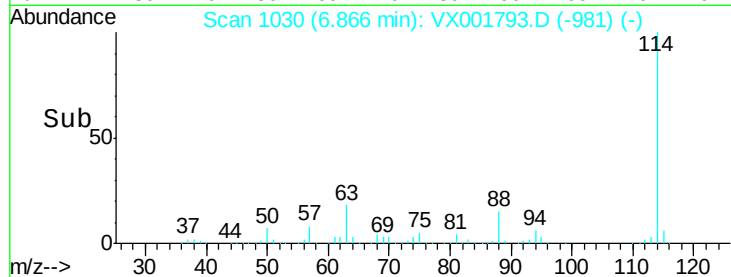
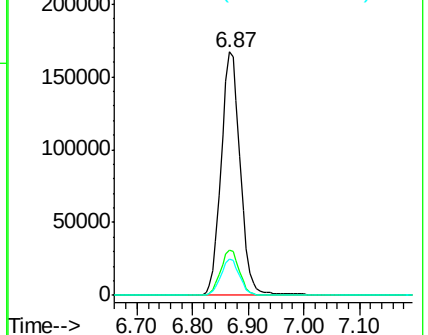
88 15.1 0.0 29.8



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: 54.43 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

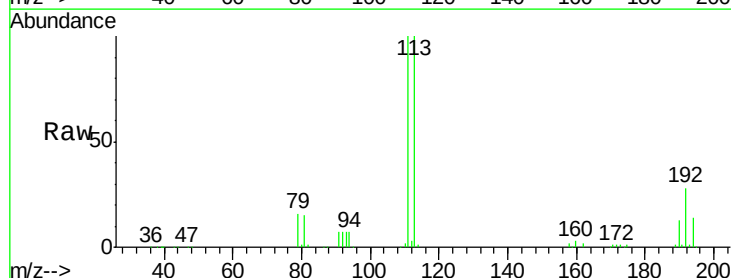
Tgt Ion:113 Resp: 183509

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

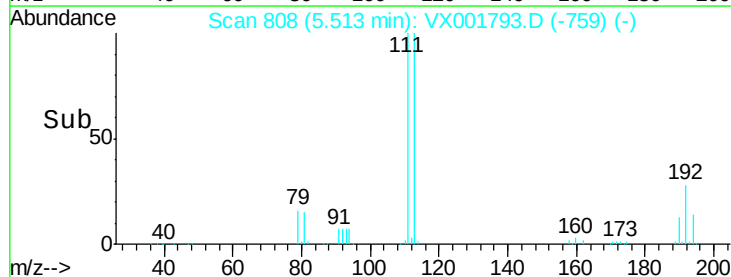
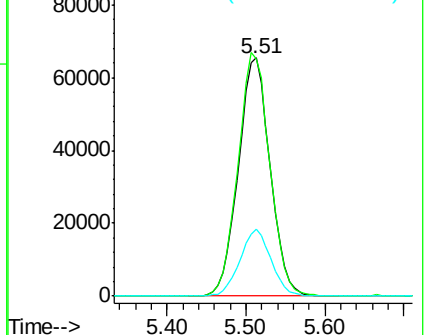
192 27.3 21.6 32.4

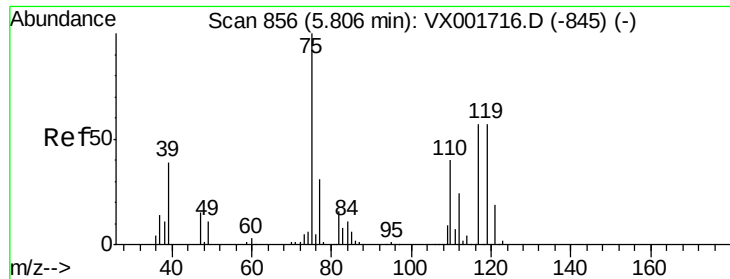


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

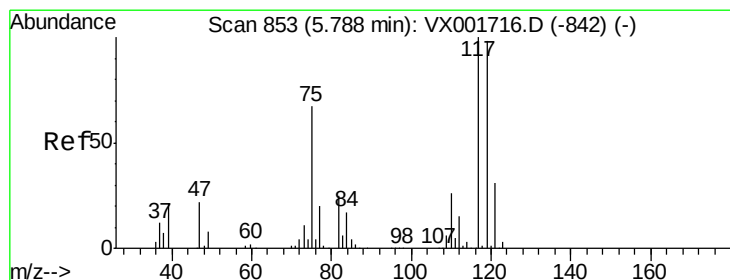
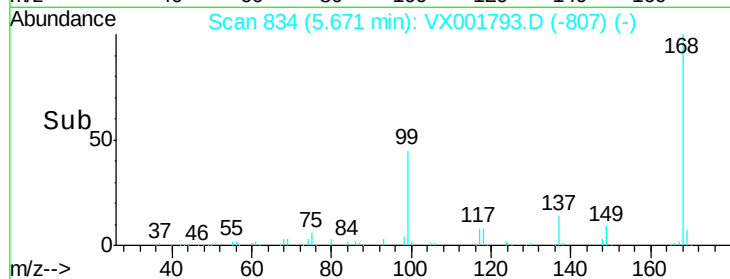
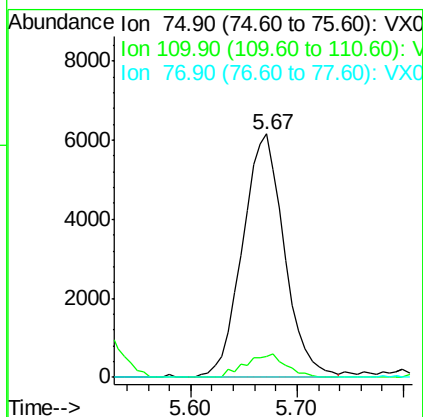
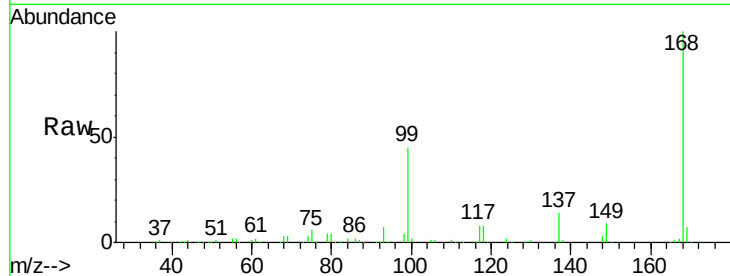




#36
 1,1-Dichloropropene
 Concen: 3.68 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001793.D
 Acq: 17 May 2018 16:26

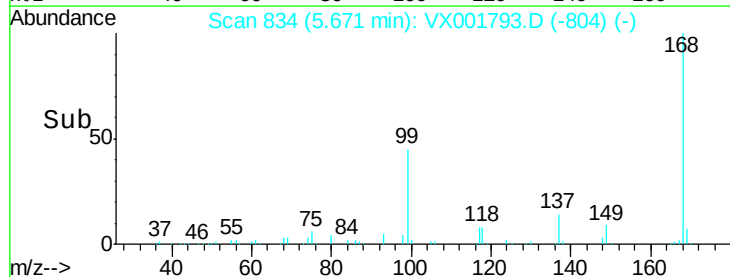
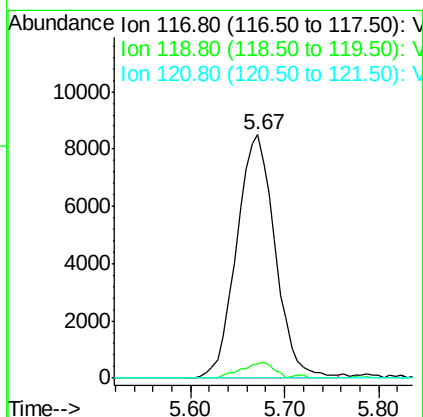
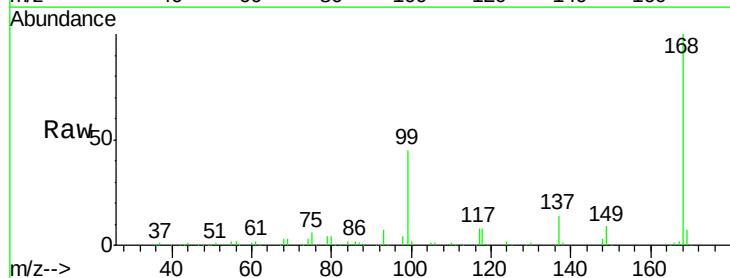
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW107-180508

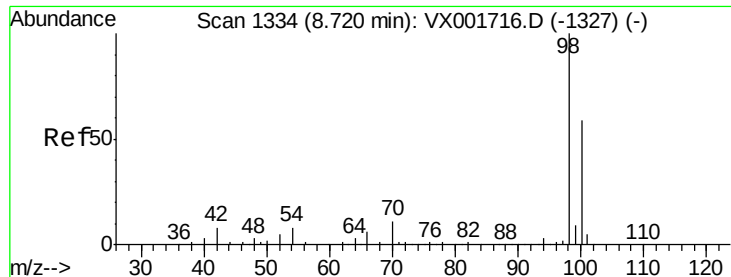
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.1	57.1#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.04 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001793.D
 Acq: 17 May 2018 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	77.6	116.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 53.48 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

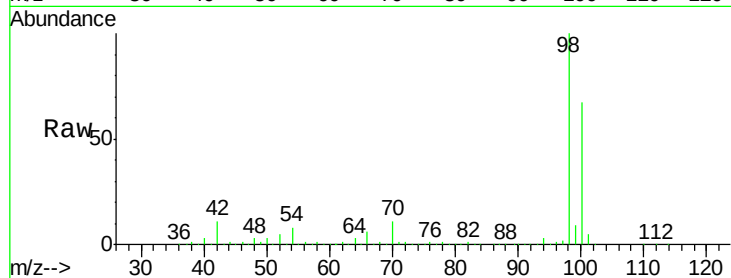
SS037MW107-180508

Tgt Ion: 98 Resp: 645744

Ion Ratio Lower Upper

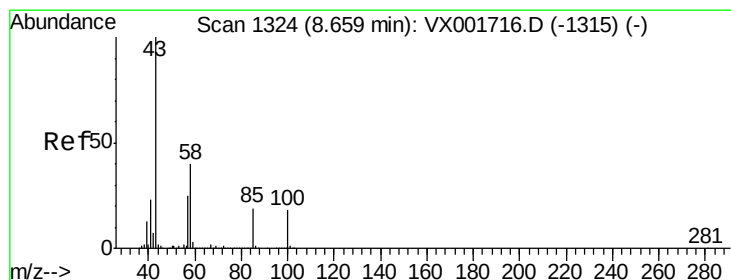
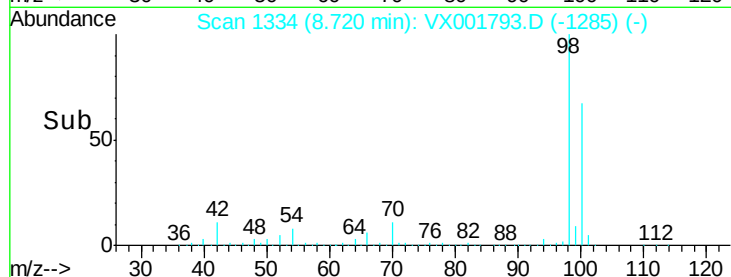
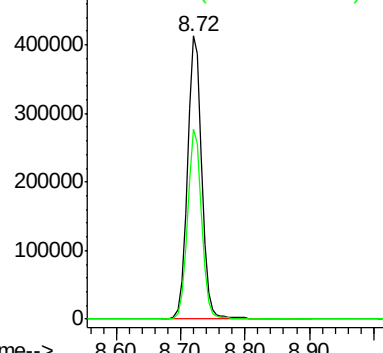
98 100

100 66.4 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.59 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX001793.D

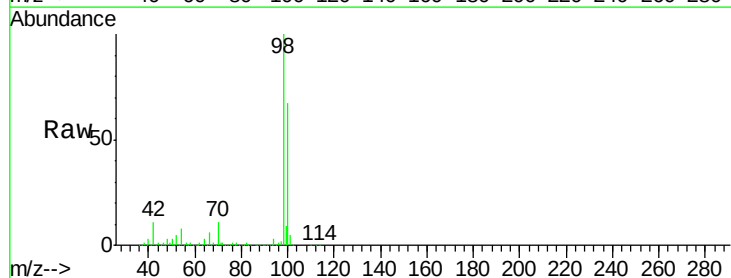
Acq: 17 May 2018 16:26

Tgt Ion: 43 Resp: 2810

Ion Ratio Lower Upper

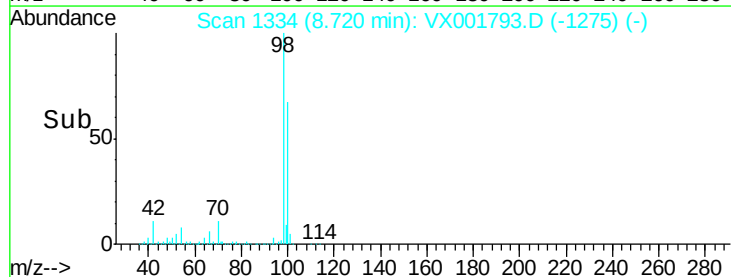
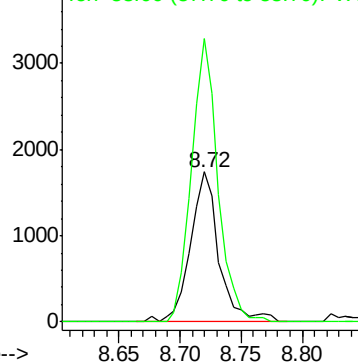
43 100

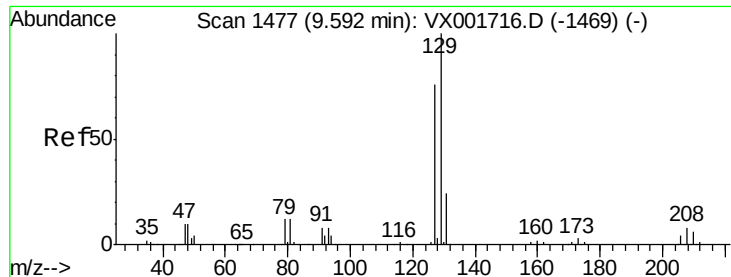
58 175.3 31.4 47.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 0.44 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

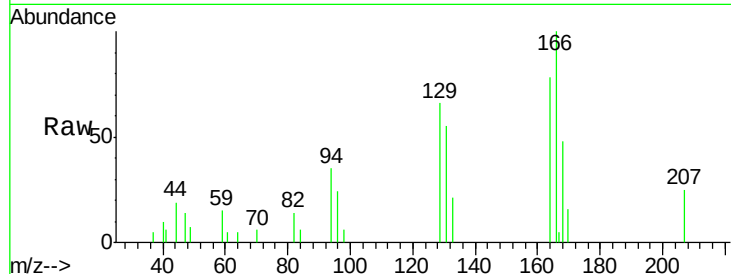
SS037MW107-180508

Tgt Ion:129 Resp: 1506

Ion Ratio Lower Upper

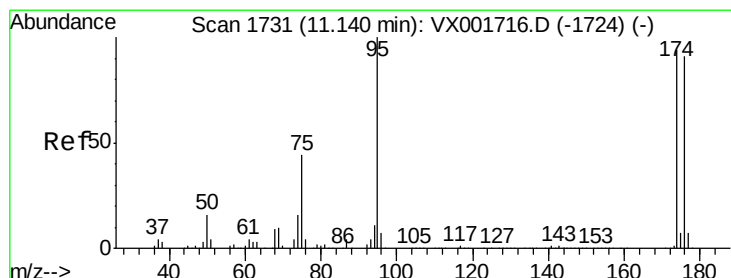
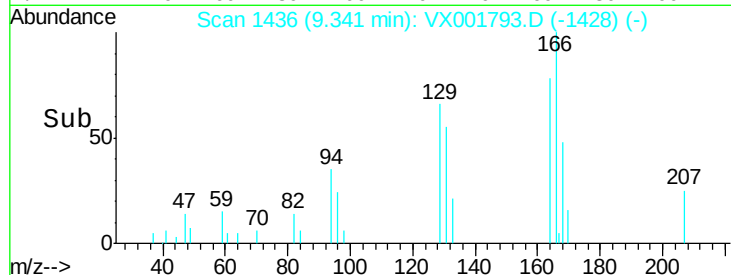
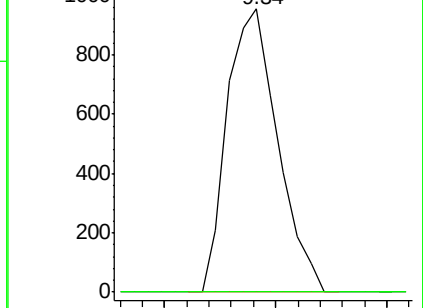
129 100

127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

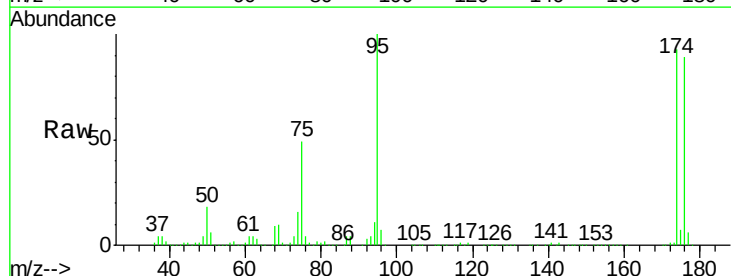
Tgt Ion: 95 Resp: 191947

Ion Ratio Lower Upper

95 100

174 102.6 0.0 201.8

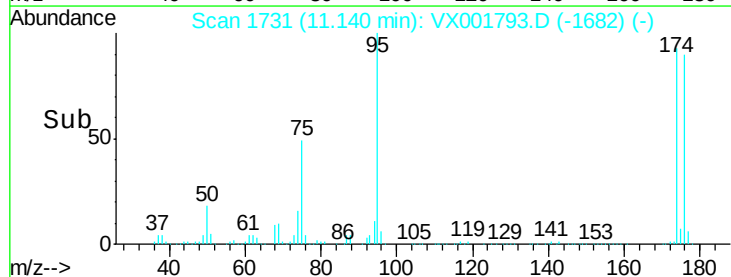
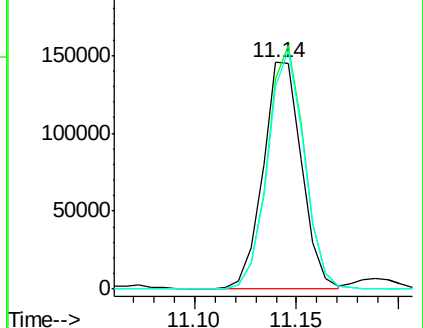
176 99.8 0.0 196.8

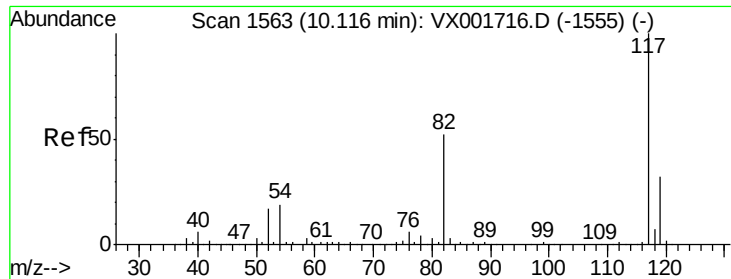


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

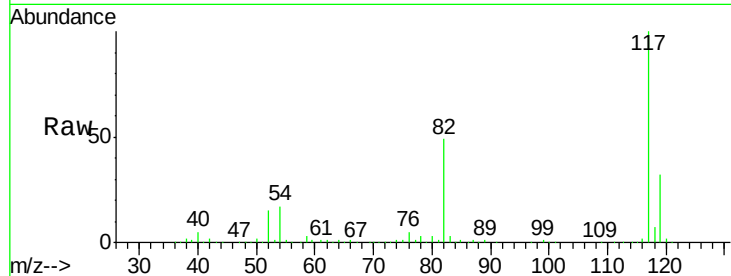




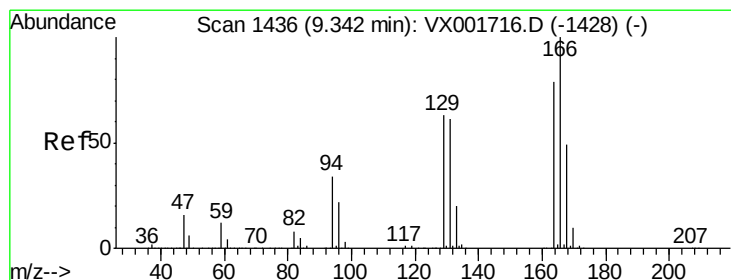
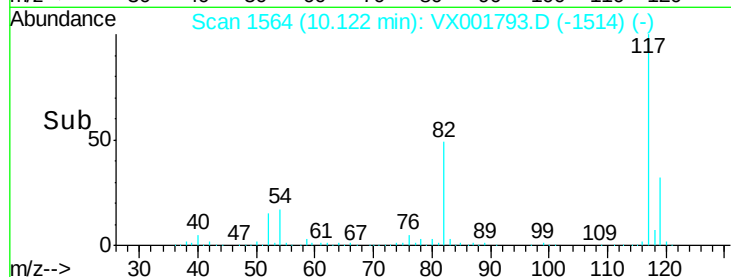
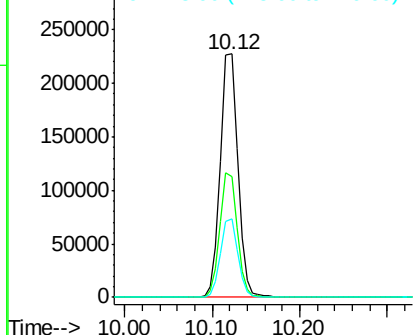
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001793.D
Acq: 17 May 2018 16:26

Instrument :
MSVOA_X
ClientSampleId :
SS037MW107-180508

Tgt Ion:117 Resp: 316171
Ion Ratio Lower Upper
117 100
82 49.4 41.4 62.2
119 32.3 25.6 38.4

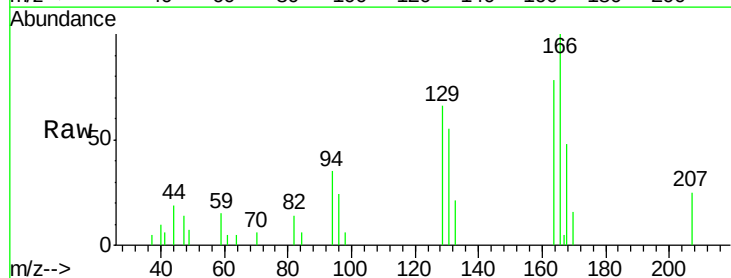


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

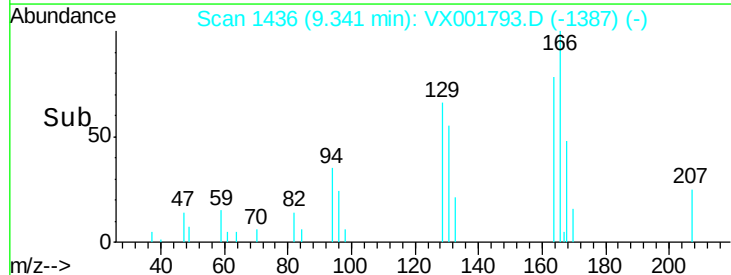
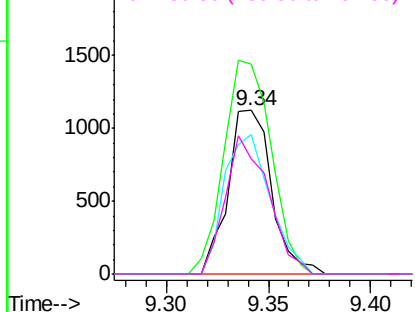


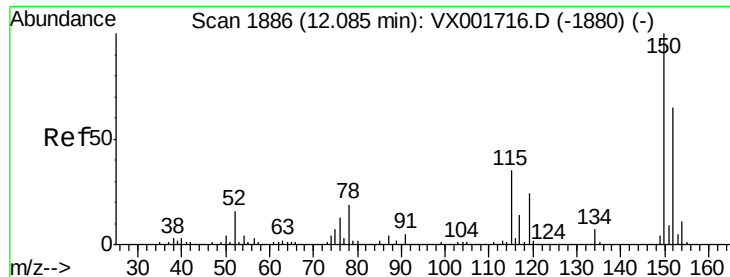
#64
Tetrachloroethene
Concen: 0.40 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001793.D
Acq: 17 May 2018 16:26

Tgt Ion:164 Resp: 1666
Ion Ratio Lower Upper
164 100
166 128.6 101.8 152.8
129 85.0 63.8 95.6
131 70.3 62.2 93.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

SS037MW107-180508

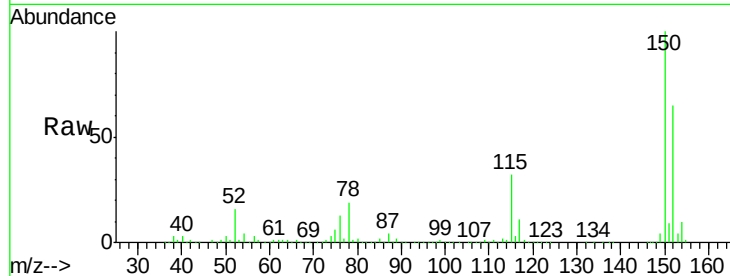
Tgt Ion:152 Resp: 164738

Ion Ratio Lower Upper

152 100

115 51.4 37.4 112.2

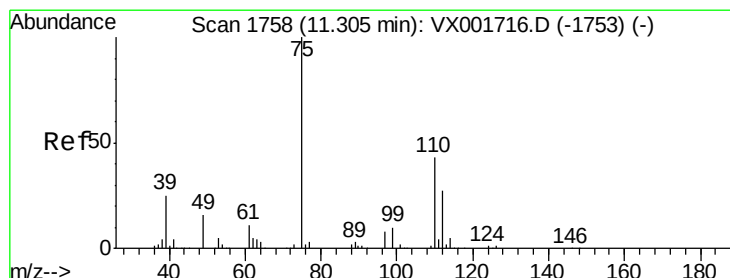
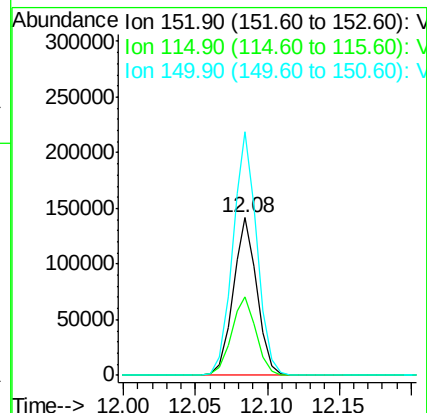
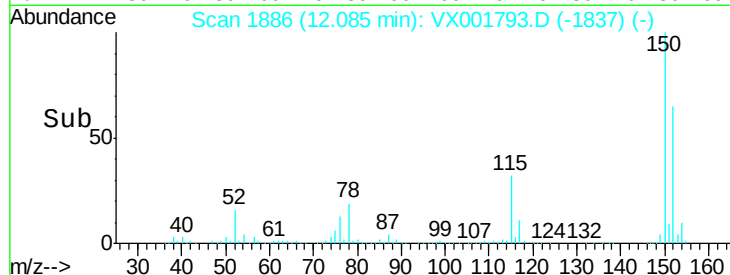
150 156.0 0.0 344.8



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: 28.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001793.D

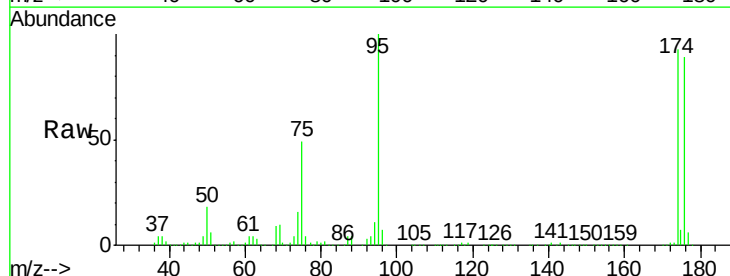
Acq: 17 May 2018 16:26

Tgt Ion: 75 Resp: 90167

Ion Ratio Lower Upper

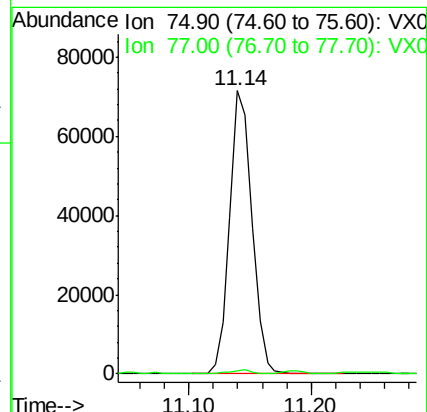
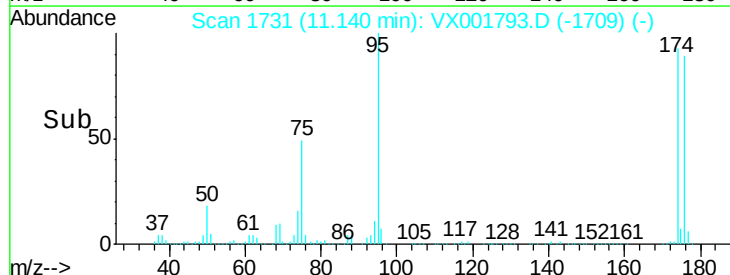
75 100

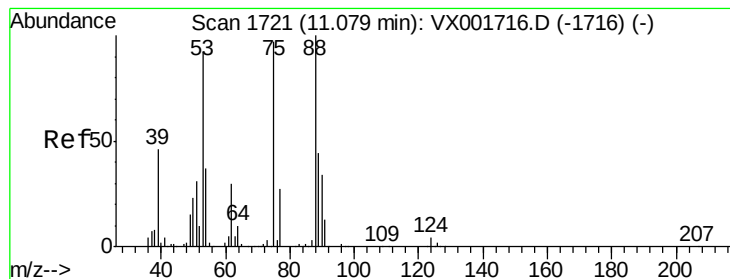
77 1.2 18.9 56.7#



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: 83.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

Instrument :

MSVOA_X

ClientSampleId :

SS037MW107-180508

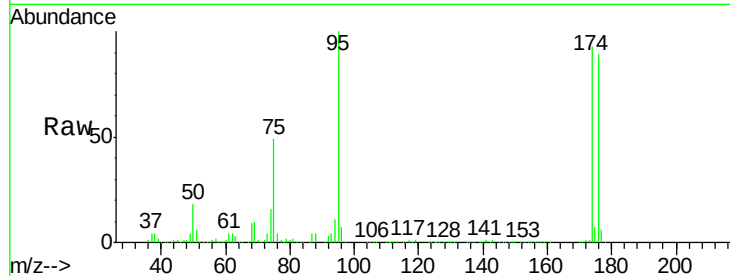
Tgt Ion: 75 Resp: 90167

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

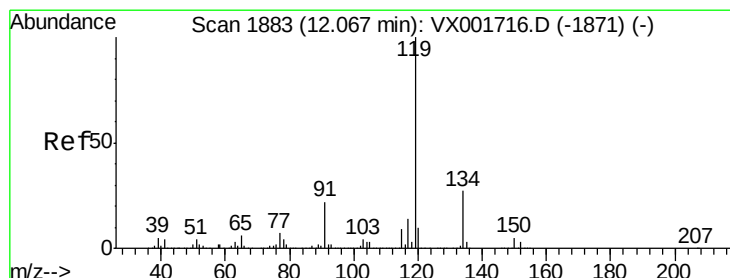
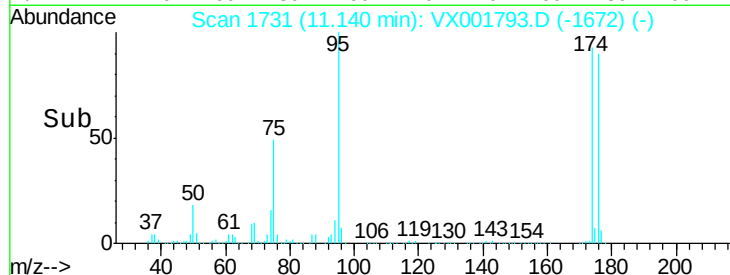
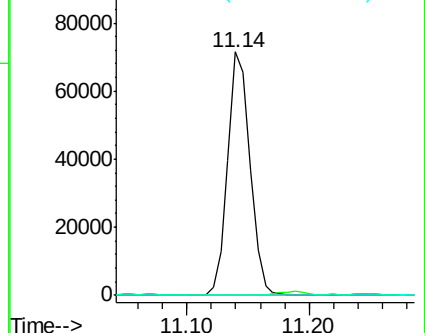
89 0.0 38.8 58.2#



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



#86

p-Isopropyltoluene

Concen: 0.33 ug/l

RT: 12.24 min Scan# 1911

Delta R.T. 0.17 min

Lab File: VX001793.D

Acq: 17 May 2018 16:26

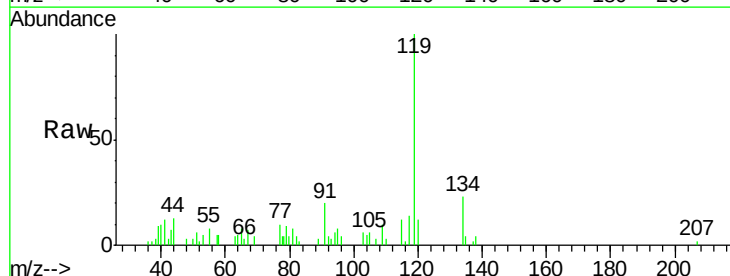
Tgt Ion: 119 Resp: 3295

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 27.5 10.7 32.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

