

Data File : VX001879.D

Acq On : 21 May 2018 15:58

Operator : JC/MD

Sample : J2986-07

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

SS040MW317-180514

Quant Time: May 22 01:51:19 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	259760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	344656	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	251833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	121611	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	175696	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	5.51	113	156962	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
50) Toluene-d8	8.72	98	457791	43.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.90%	
62) 4-Bromofluorobenzene	11.15	95	140705	37.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.02%	

Target Compounds

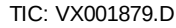
						Qvalue
3) Chloromethane	1.32	50	1496	0.53	ug/l	99
4) Vinyl Chloride	1.40	62	9804	3.22	ug/l	98
5) Bromomethane	1.65	94	469	Below	Cal #	38
6) Chloroethane	1.63	64	7121	3.71	ug/l #	53
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1764	0.66	ug/l	96
10) Methyl Iodide	2.52	142	494	0.20	ug/l #	73
11) Tert butyl alcohol	3.03	59	1999	3.23	ug/l #	72
16) Acetone	2.45	43	1320	0.97	ug/l #	84
21) trans-1,2-Dichloroethene	3.17	96	860	0.30	ug/l	88
27) cis-1,2-Dichloroethene	4.60	96	49201	15.29	ug/l	92
30) Chloroform	5.23	83	1274	0.24	ug/l #	78
31) Cyclohexane	5.67	56	3856	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14944	3.77	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21169	5.09	ug/l #	15
44) Trichloroethene	7.22	130	27325	7.53	ug/l	96
60) Dibromochloromethane	9.34	129	56186	19.11	ug/l #	11
64) Tetrachloroethene	9.34	164	67595	20.62	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	64828	28.03	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	64828	81.33	ug/l #	10

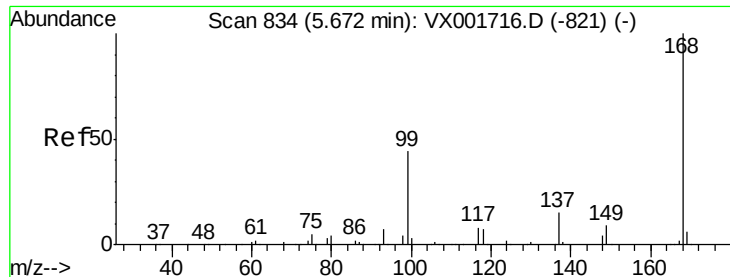
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 10 Sample Multiplier: 1

SS040MW317-180514

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

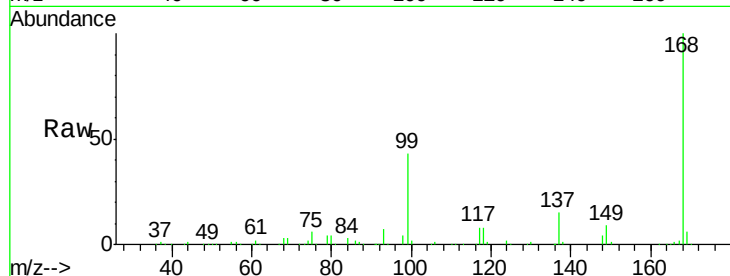
SS040MW317-180514

Tgt Ion:168 Resp: 259760

Ion Ratio Lower Upper

168 100

99 43.4 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

100000

80000

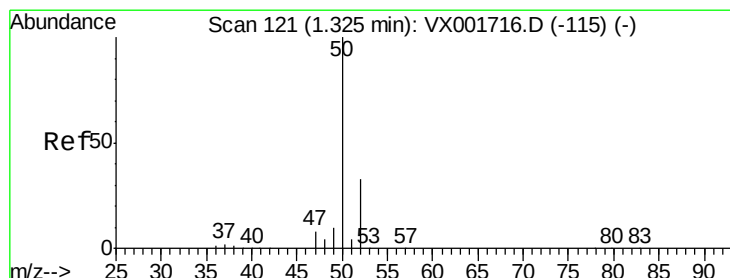
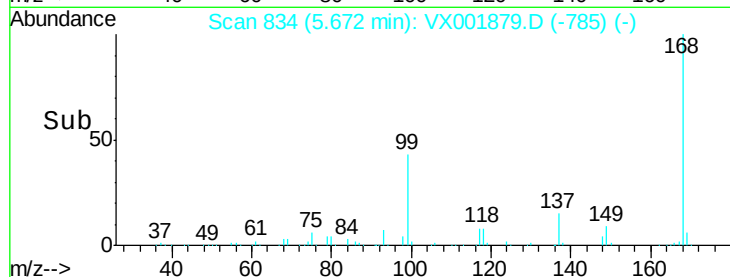
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.53 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001879.D

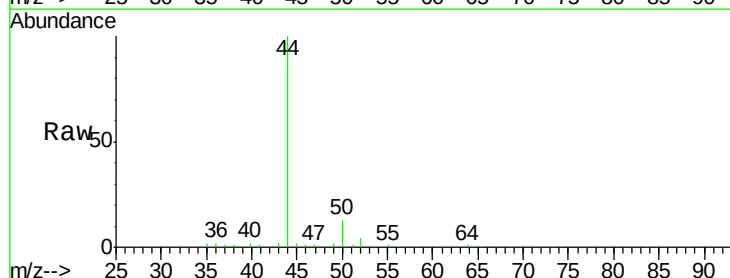
Acq: 21 May 2018 15:58

Tgt Ion: 50 Resp: 1496

Ion Ratio Lower Upper

50 100

52 32.6 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

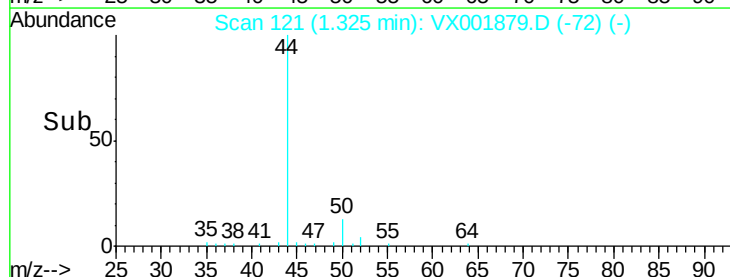
1500

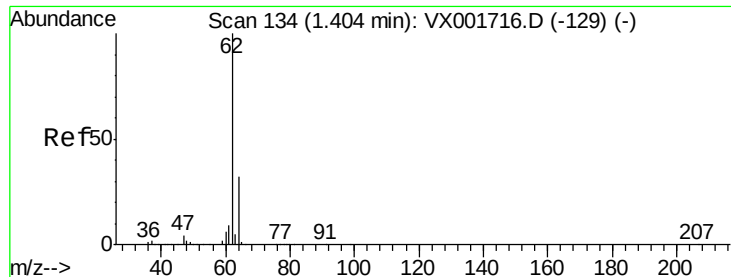
1000

500

0

Time--> 1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 3.22 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

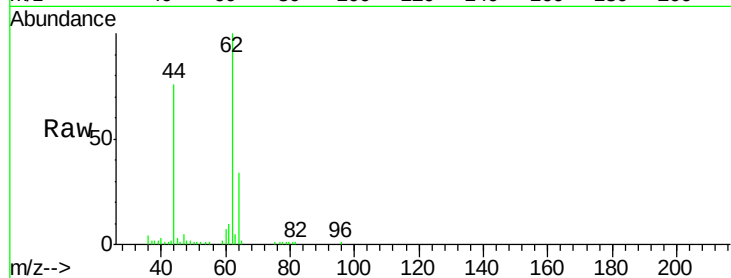
SS040MW317-180514

Tgt Ion: 62 Resp: 9804

Ion Ratio Lower Upper

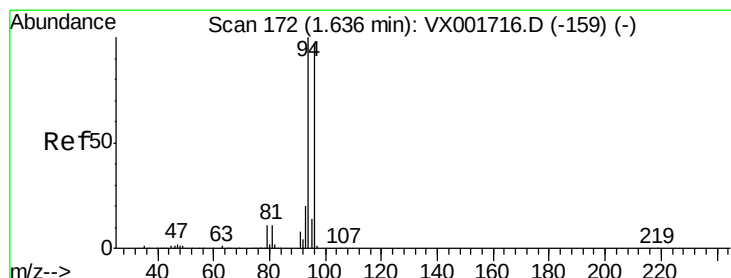
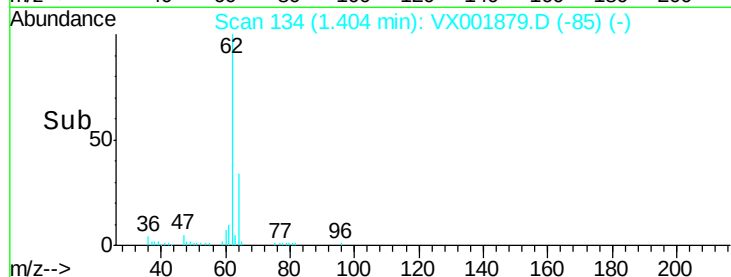
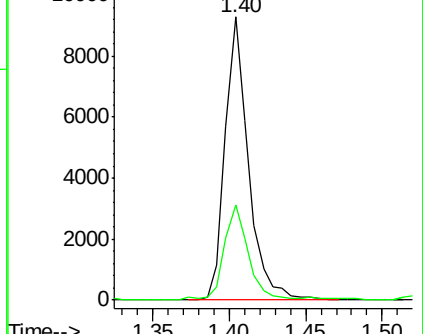
62 100

64 32.9 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# 174

Delta R.T. 0.01 min

Lab File: VX001879.D

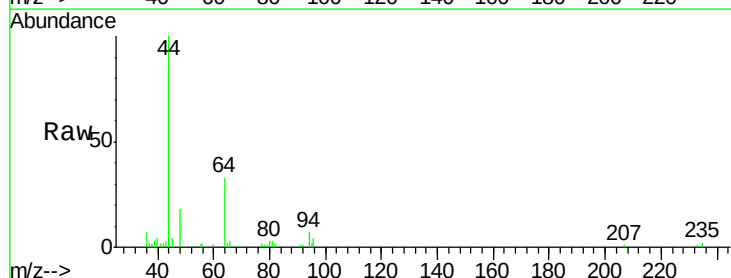
Acq: 21 May 2018 15:58

Tgt Ion: 94 Resp: 469

Ion Ratio Lower Upper

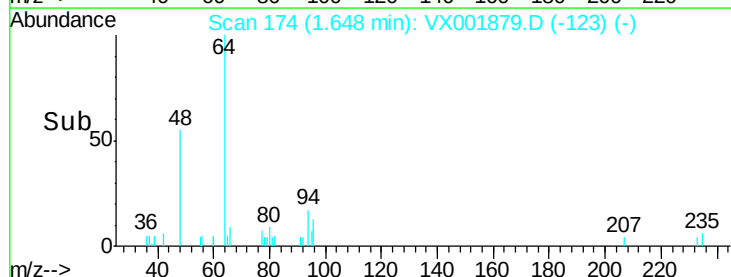
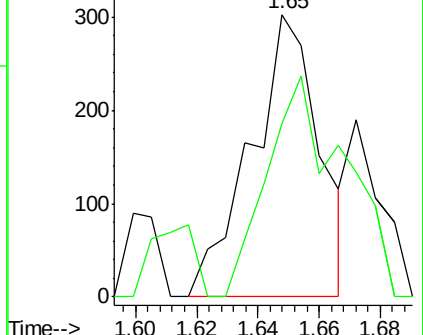
94 100

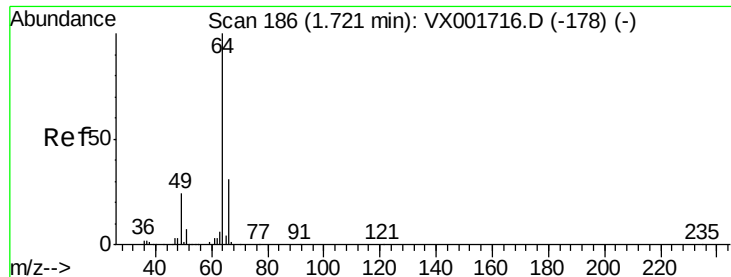
96 35.6 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 3.71 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.09 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

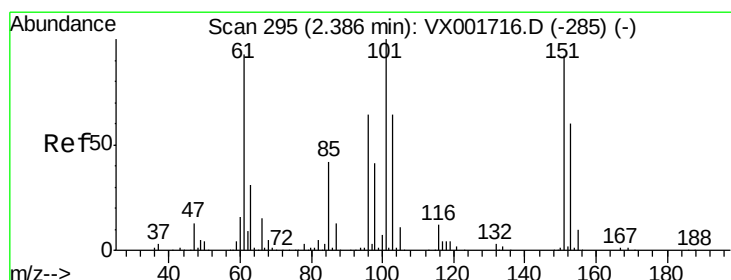
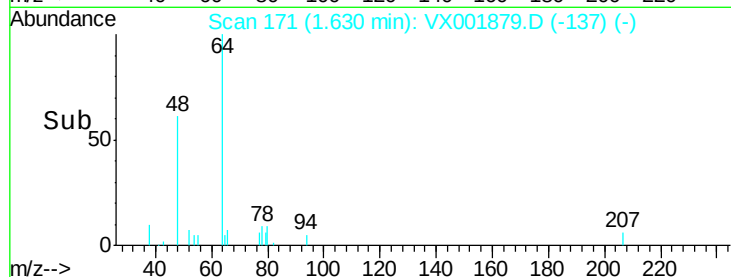
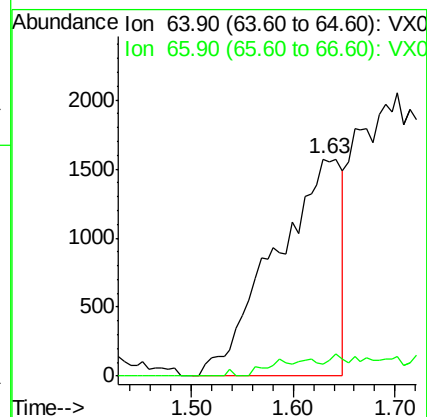
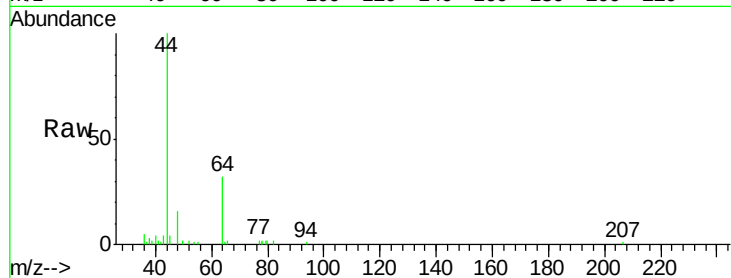
SS040MW317-180514

Tgt Ion: 64 Resp: 7121

Ion Ratio Lower Upper

64 100

66 5.3 25.2 37.8#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.66 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

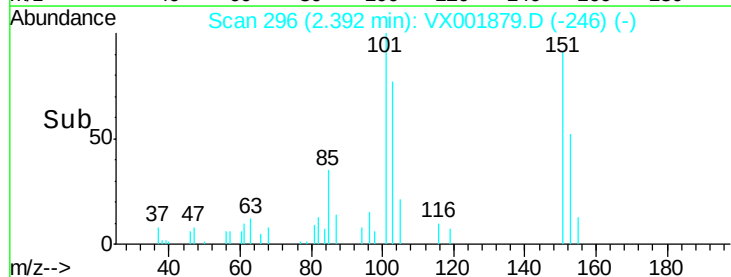
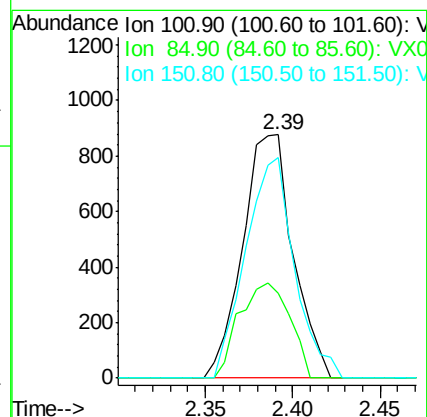
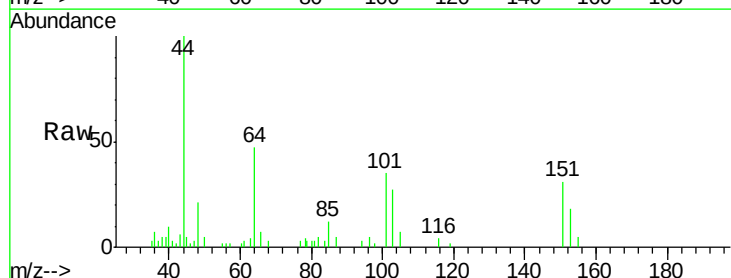
Tgt Ion: 101 Resp: 1764

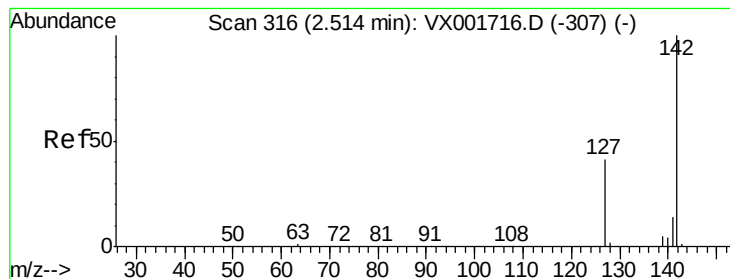
Ion Ratio Lower Upper

101 100

85 38.9 33.7 50.5

151 87.7 73.0 109.6





#10

Methyl Iodide

Concen: 0.20 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

SS040MW317-180514

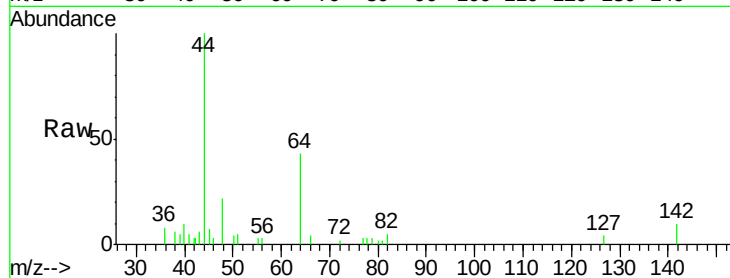
Tgt Ion: 142 Resp: 494

Ion Ratio Lower Upper

142 100

127 25.7 32.5 48.7#

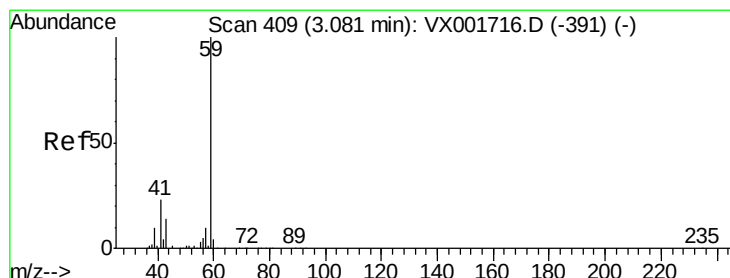
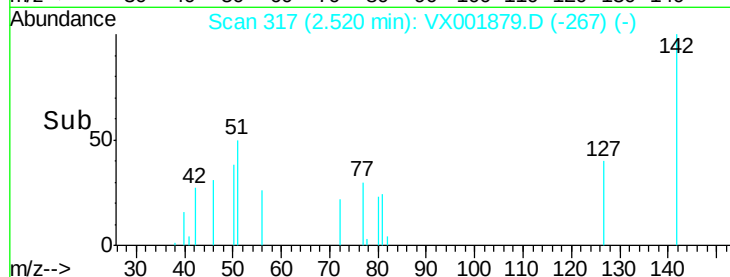
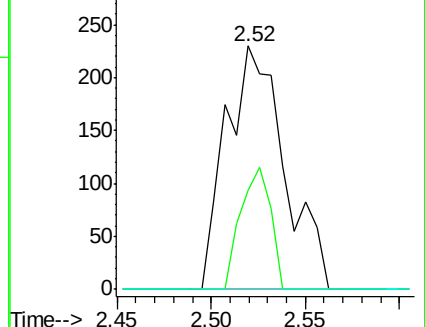
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 3.23 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001879.D

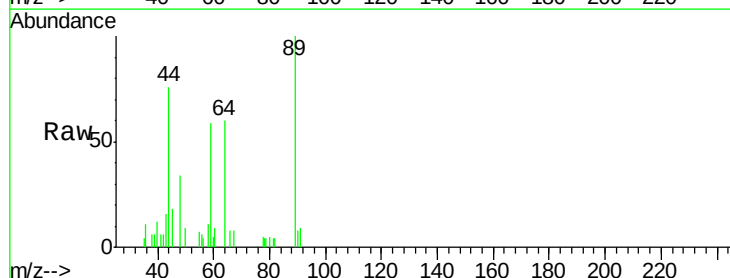
Acq: 21 May 2018 15:58

Tgt Ion: 59 Resp: 1999

Ion Ratio Lower Upper

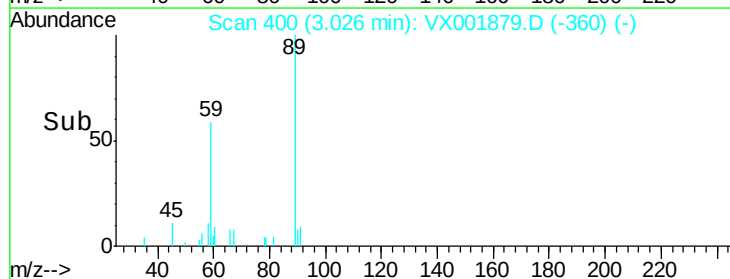
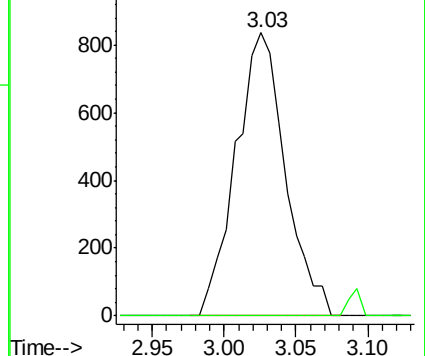
59 100

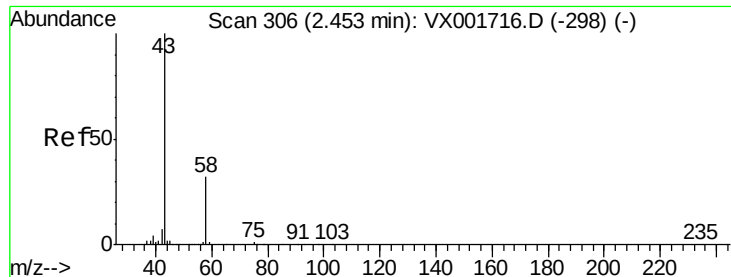
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.97 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

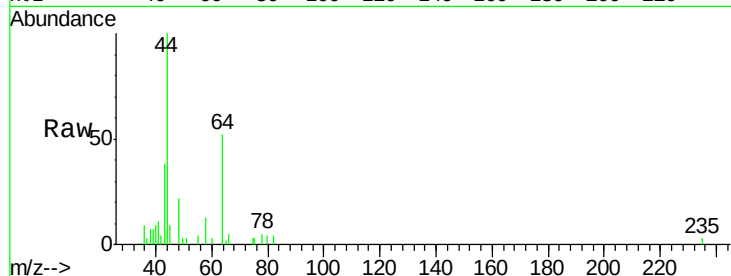
SS040MW317-180514

Tgt Ion: 43 Resp: 1320

Ion Ratio Lower Upper

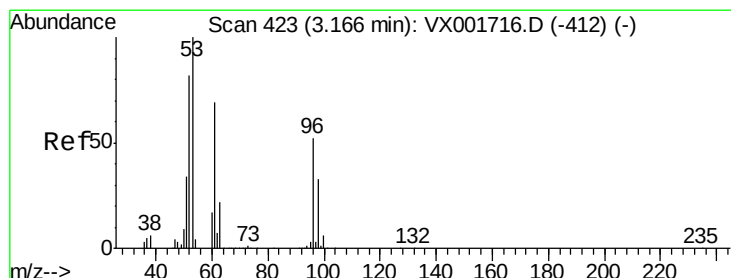
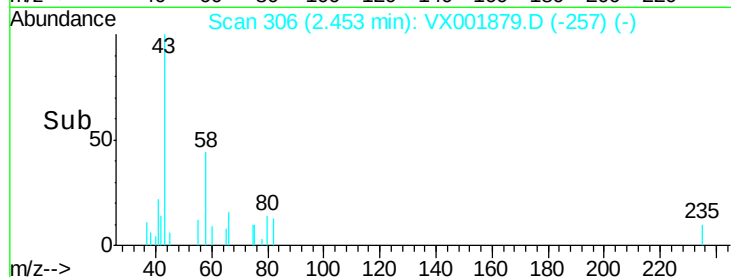
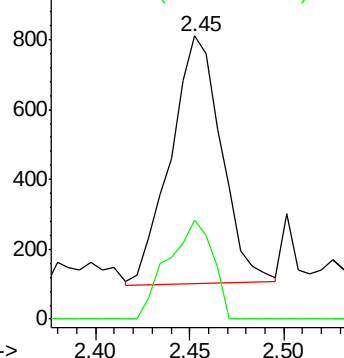
43 100

58 40.6 25.3 37.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.30 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

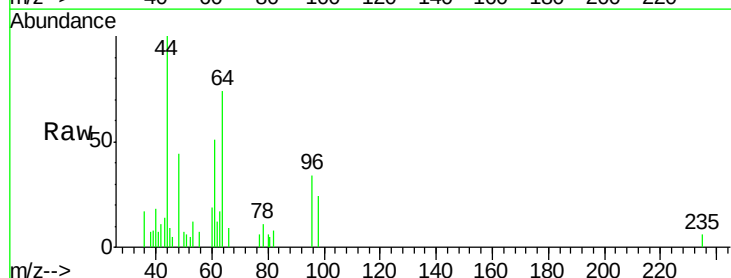
Tgt Ion: 96 Resp: 860

Ion Ratio Lower Upper

96 100

61 148.5 105.8 158.8

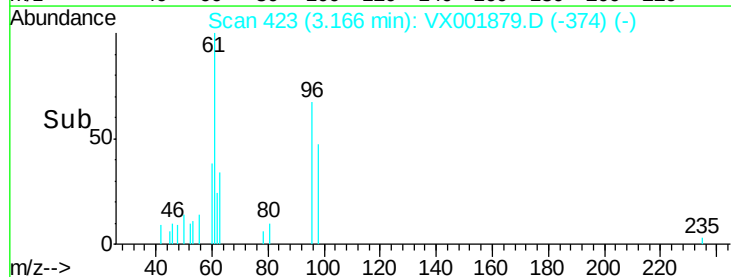
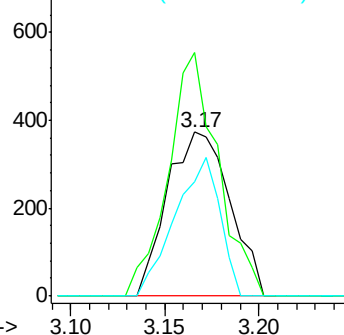
98 69.7 50.2 75.4

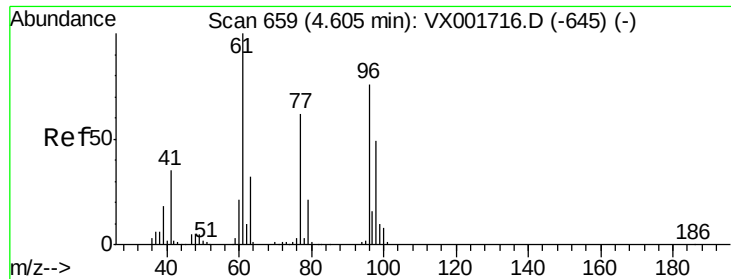


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

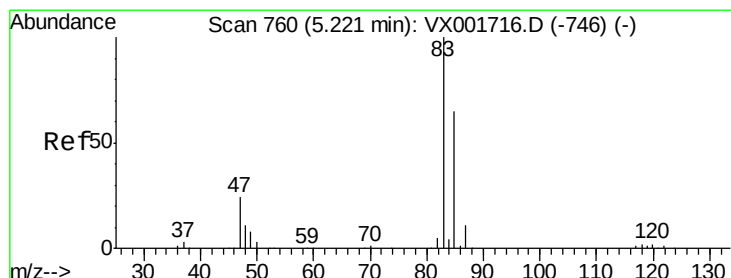
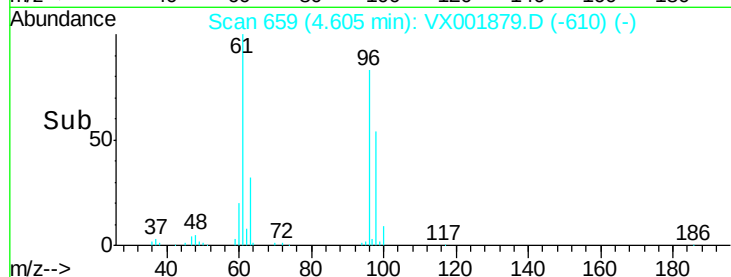
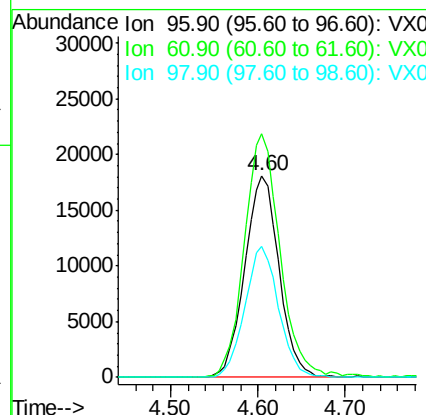
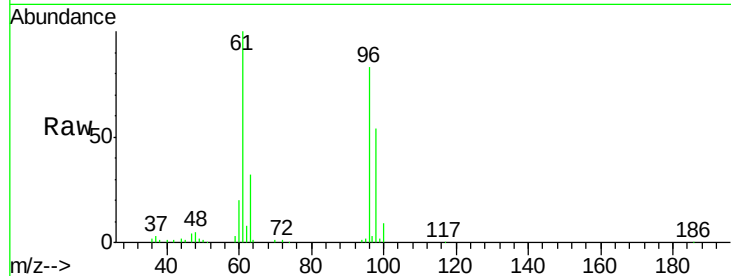




#27
 cis-1,2-Dichloroethene
 Concen: 15.29 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX001879.D
 Acq: 21 May 2018 15:58

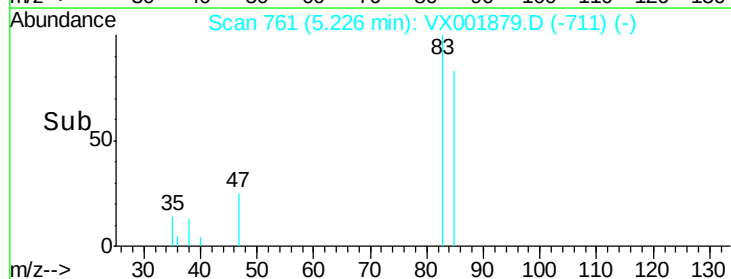
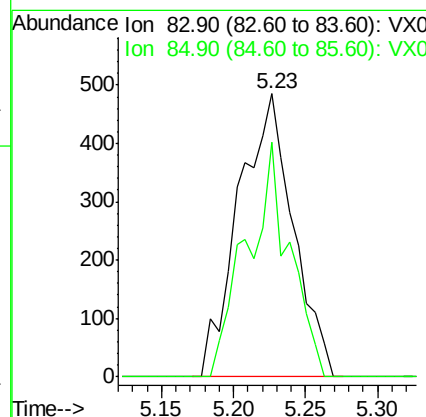
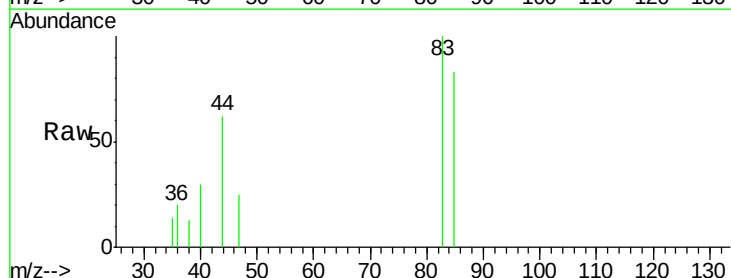
Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW317-180514

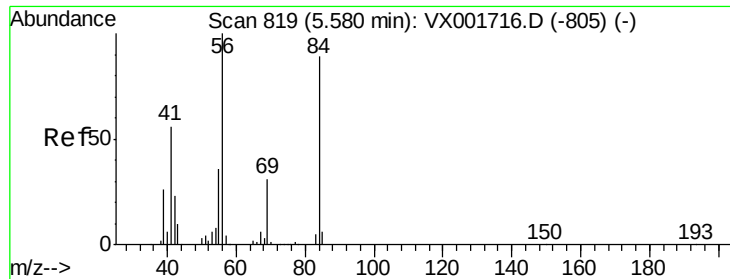
Tgt Ion: 96 Resp: 49201
 Ion Ratio Lower Upper
 96 100
 61 126.9 0.0 280.4
 98 63.8 0.0 128.4



#30
 Chloroform
 Concen: 0.24 ug/l
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VX001879.D
 Acq: 21 May 2018 15:58

Tgt Ion: 83 Resp: 1274
 Ion Ratio Lower Upper
 83 100
 85 82.9 52.3 78.5#

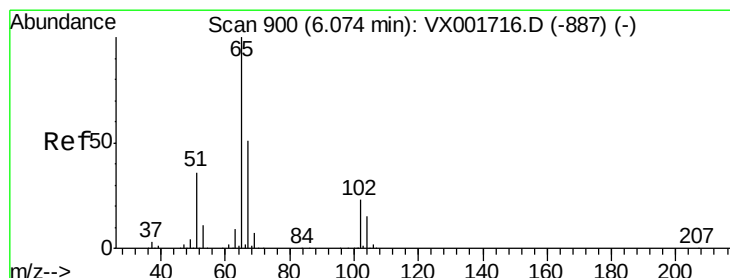
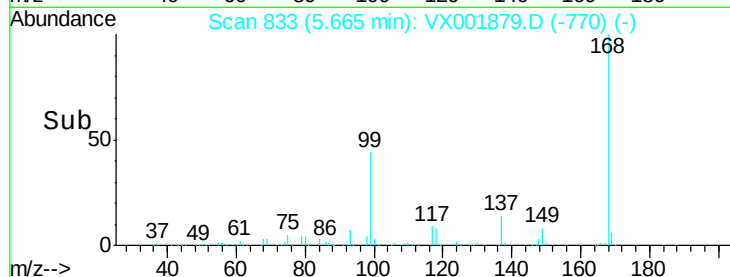
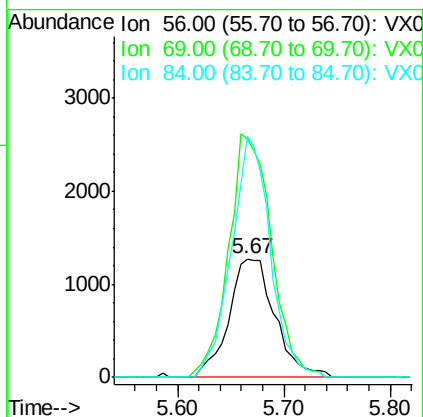
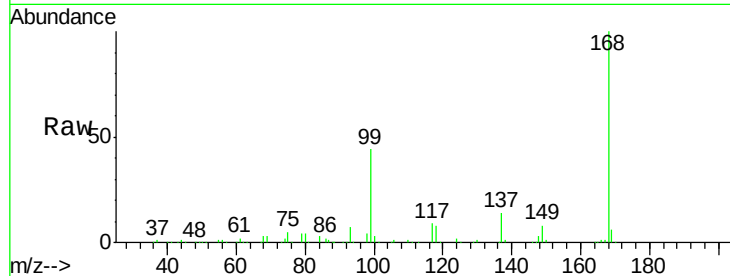




#31
Cyclohexane
Concen: 0.88 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001879.D
Acq: 21 May 2018 15:58

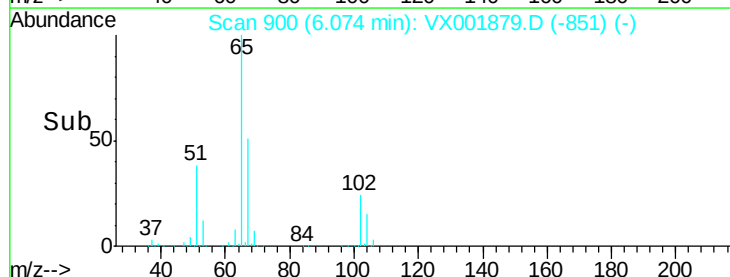
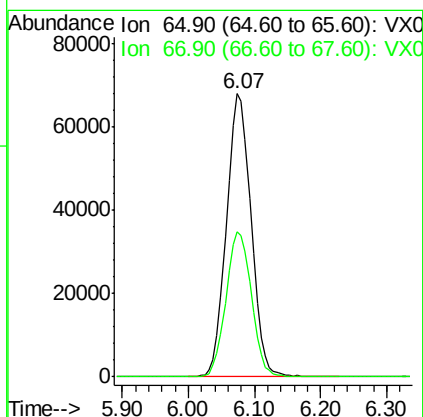
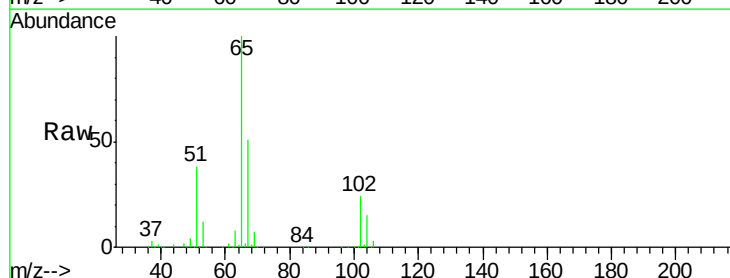
Instrument :
MSVOA_X
ClientSampleId :
SS040MW317-180514

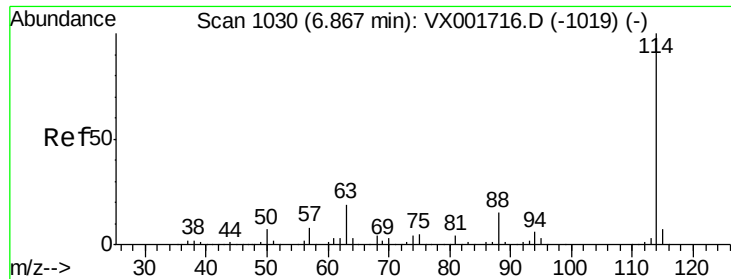
Tgt Ion: 56 Resp: 3856
Ion Ratio Lower Upper
56 100
69 201.2 25.0 37.6#
84 204.2 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 50.46 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001879.D
Acq: 21 May 2018 15:58

Tgt Ion: 65 Resp: 175696
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.8

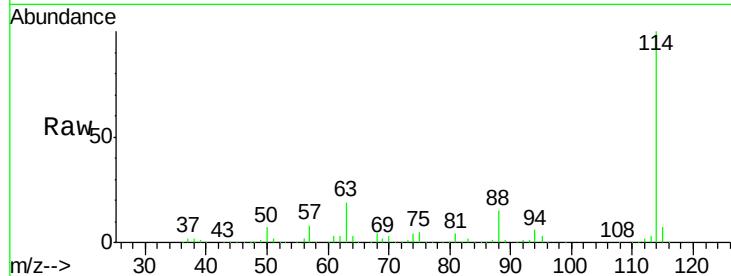




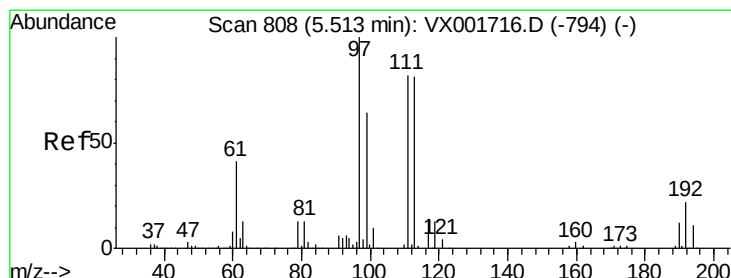
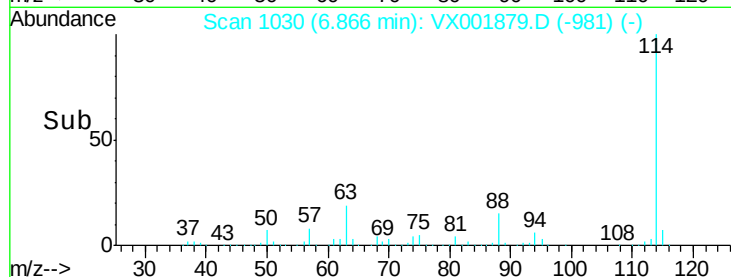
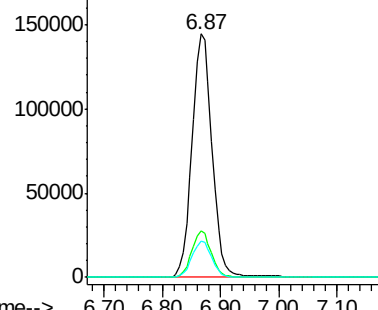
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001879.D
 Acq: 21 May 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW317-180514

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	37.0
88	15.1	0.0	29.8

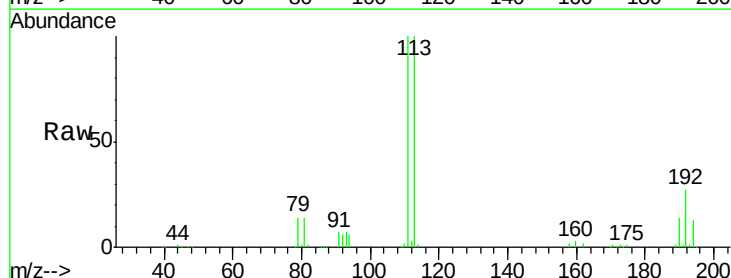


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

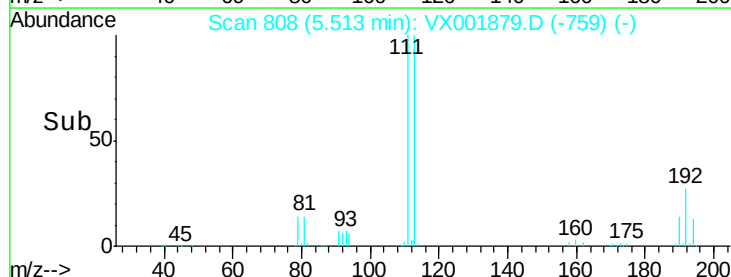
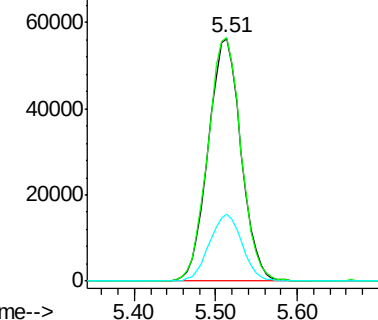


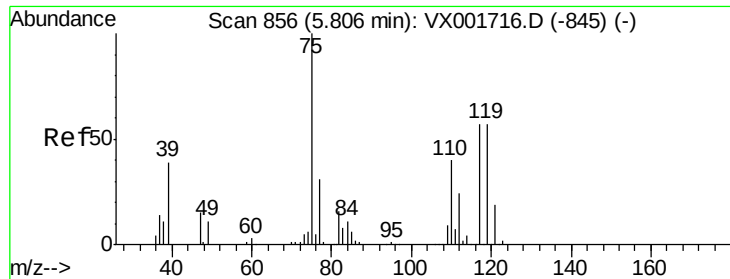
#35
 Dibromofluoromethane
 Concen: 53.97 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001879.D
 Acq: 21 May 2018 15:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.0	123.0
192	27.4	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

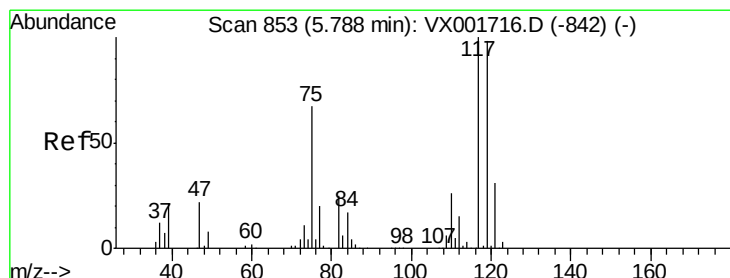
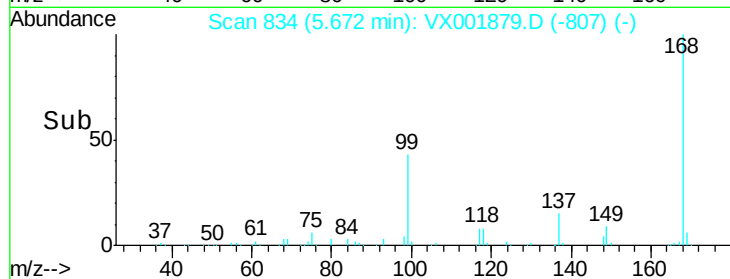
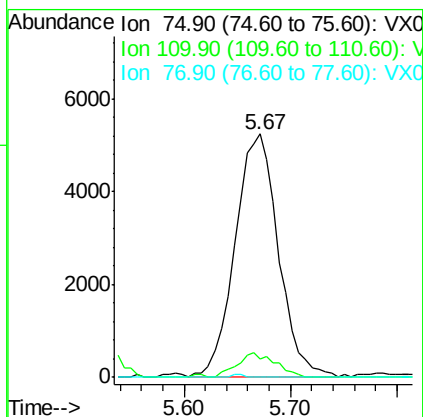
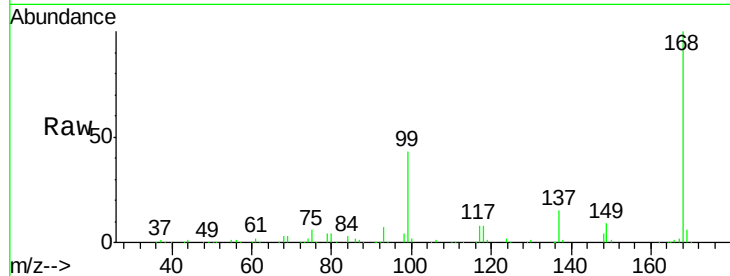




#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001879.D
 Acq: 21 May 2018 15:58

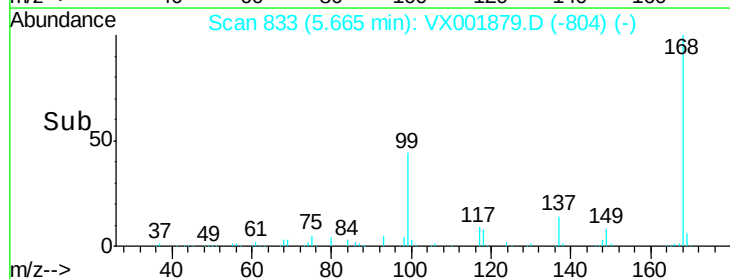
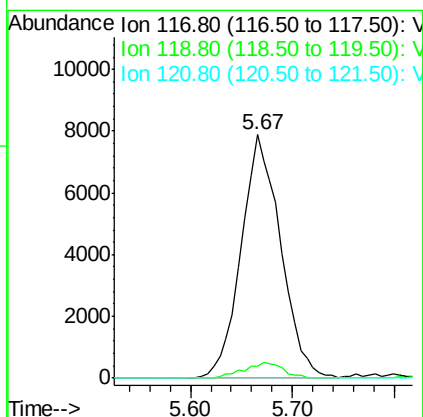
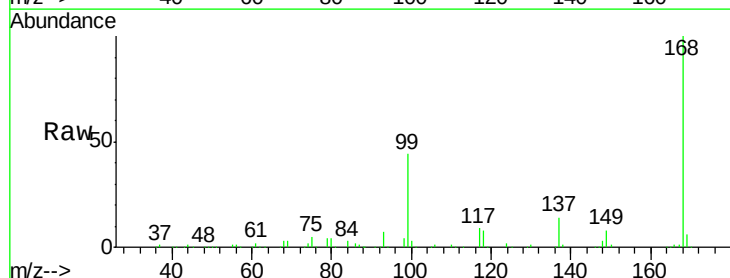
Instrument :
 MSVOA_X
 ClientSampleId :
 SS040MW317-180514

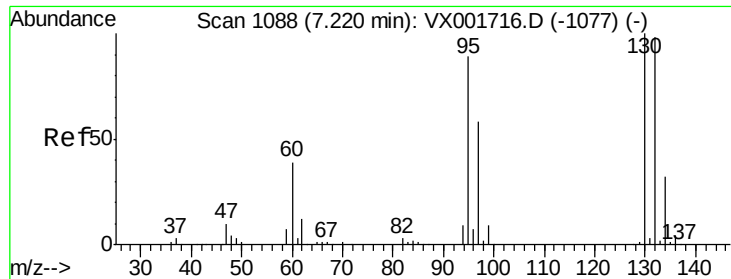
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.1	57.1#
77	0.3	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.09 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001879.D
 Acq: 21 May 2018 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.6	116.4#
121	0.0	24.6	36.8#





#44

Trichloroethene

Concen: 7.53 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

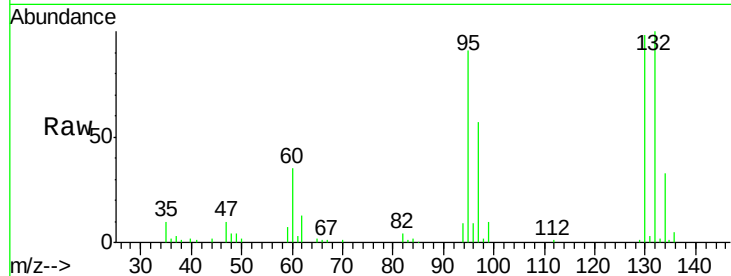
SS040MW317-180514

Tgt Ion:130 Resp: 27325

Ion Ratio Lower Upper

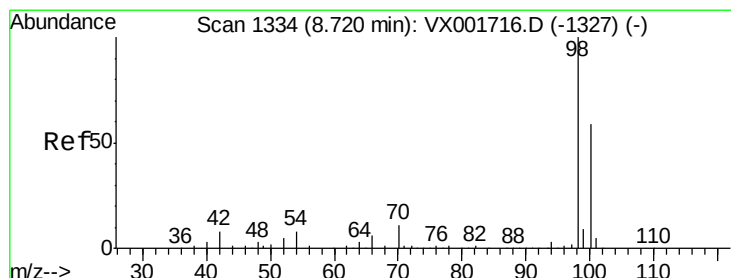
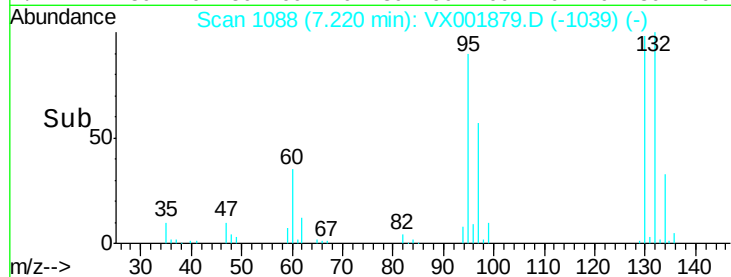
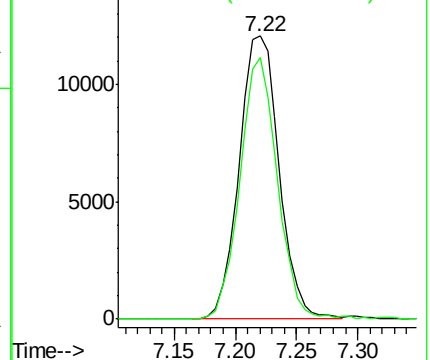
130 100

95 92.4 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 43.95 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001879.D

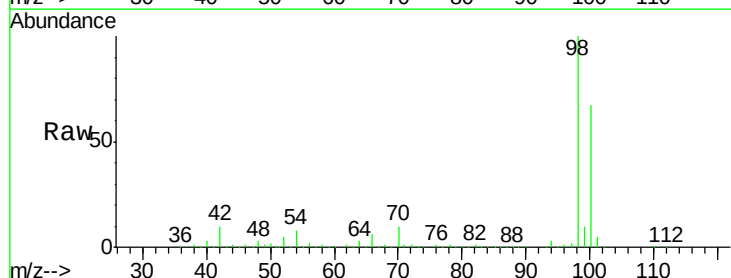
Acq: 21 May 2018 15:58

Tgt Ion: 98 Resp: 457791

Ion Ratio Lower Upper

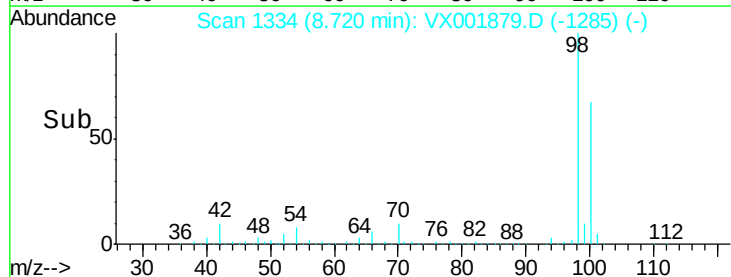
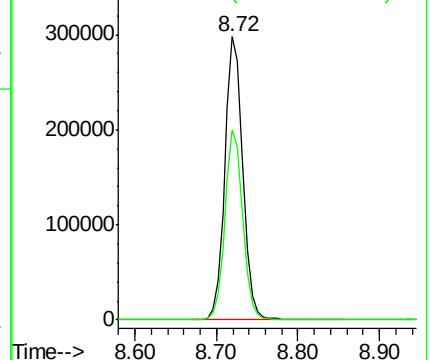
98 100

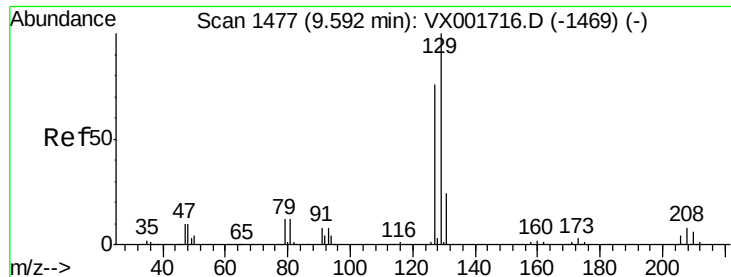
100 66.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 19.11 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

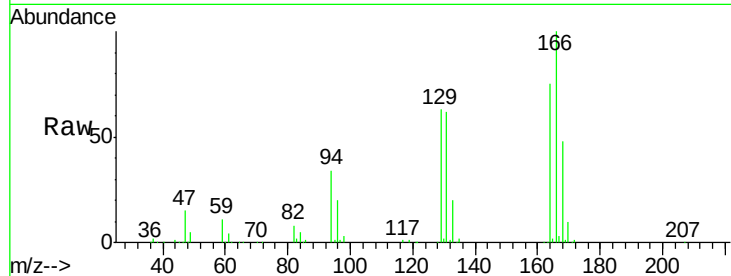
SS040MW317-180514

Tgt Ion:129 Resp: 56186

Ion Ratio Lower Upper

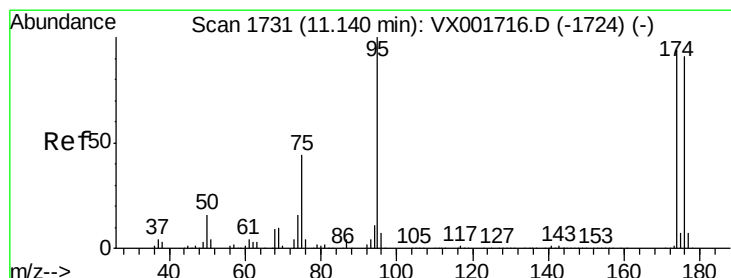
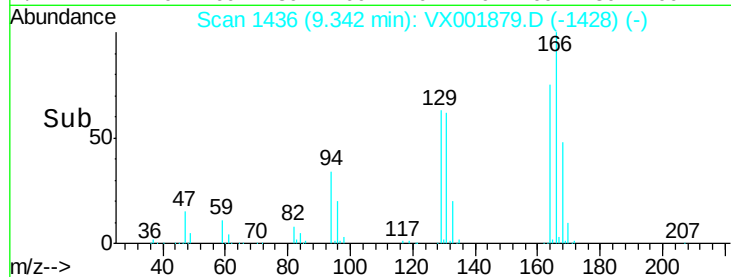
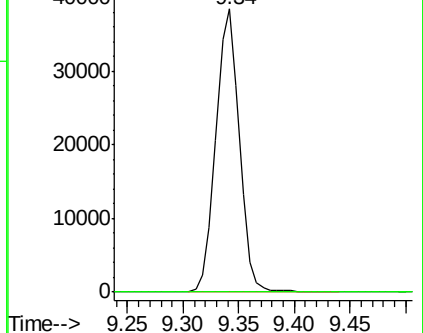
129 100

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: 37.51 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

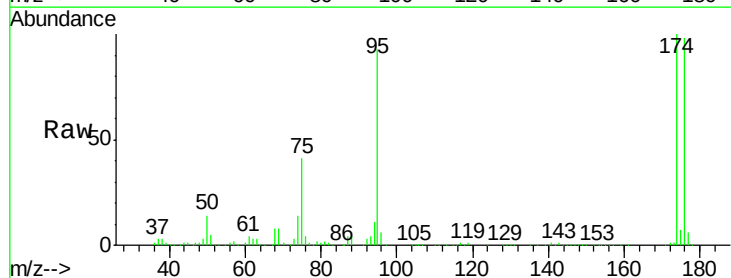
Tgt Ion: 95 Resp: 140705

Ion Ratio Lower Upper

95 100

174 103.8 0.0 201.8

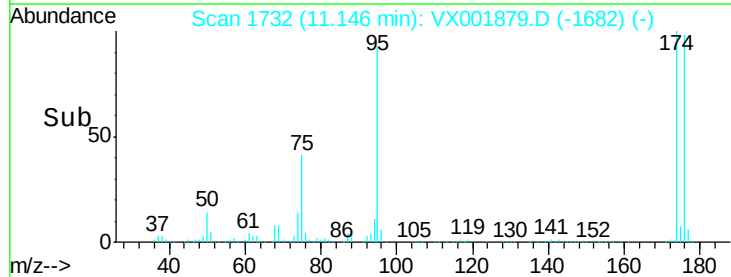
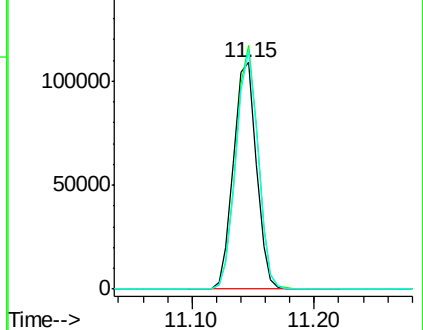
176 101.1 0.0 196.8

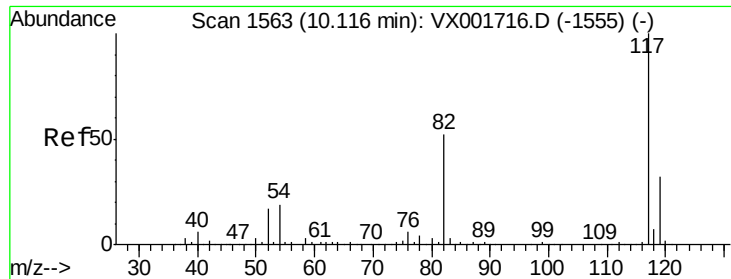


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

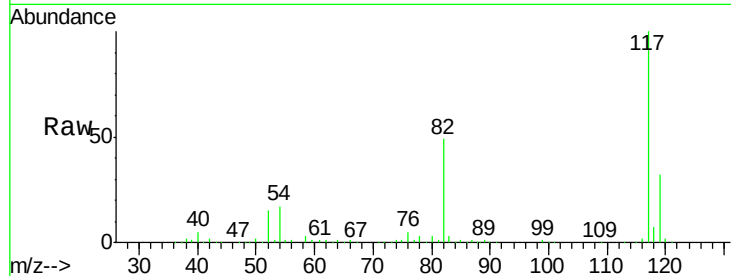




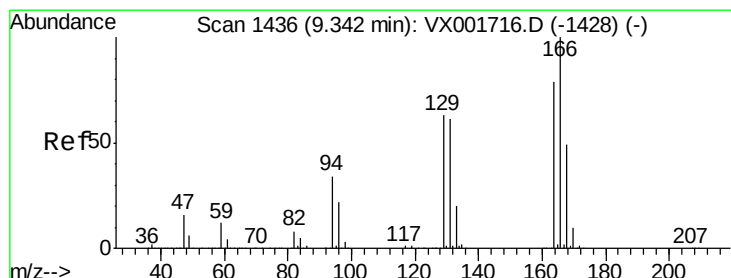
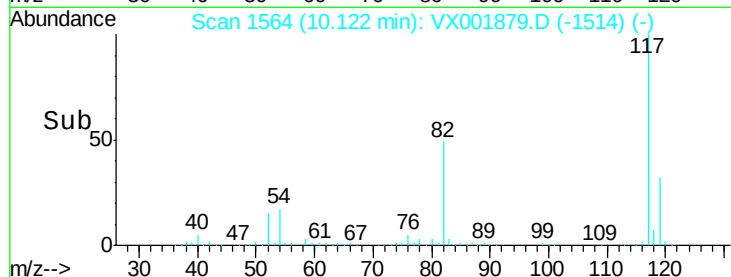
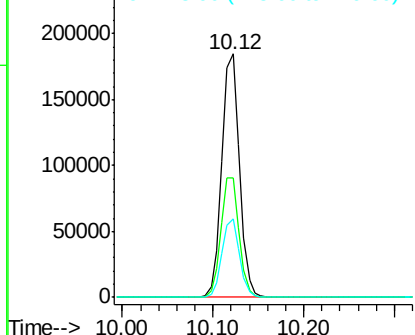
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001879.D
Acq: 21 May 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
SS040MW317-180514

Tgt Ion:117 Resp: 251833
Ion Ratio Lower Upper
117 100
82 49.0 41.4 62.2
119 32.0 25.6 38.4



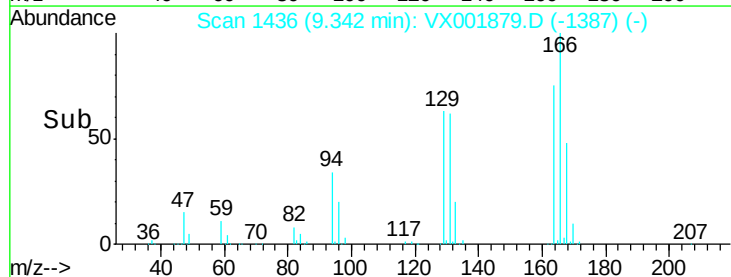
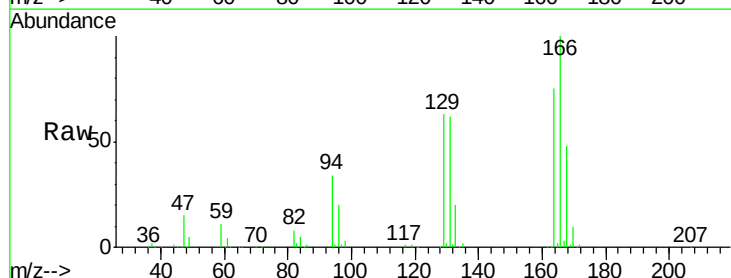
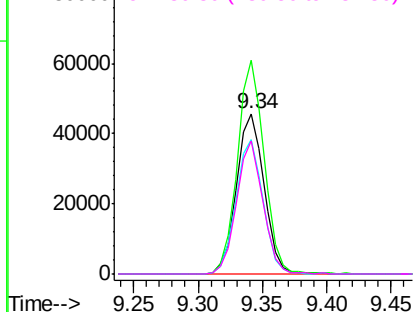
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

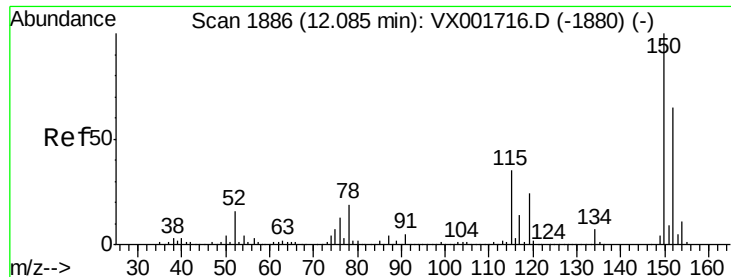


#64
Tetrachloroethene
Concen: 20.62 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001879.D
Acq: 21 May 2018 15:58

Tgt Ion:164 Resp: 67595
Ion Ratio Lower Upper
164 100
166 133.0 101.8 152.8
129 83.9 63.8 95.6
131 82.8 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: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

SS040MW317-180514

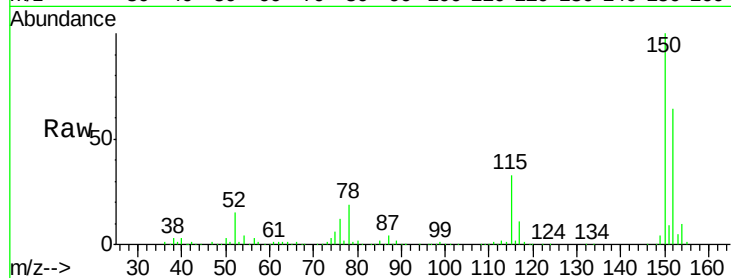
Tgt Ion:152 Resp: 121611

Ion Ratio Lower Upper

152 100

115 51.5 37.4 112.2

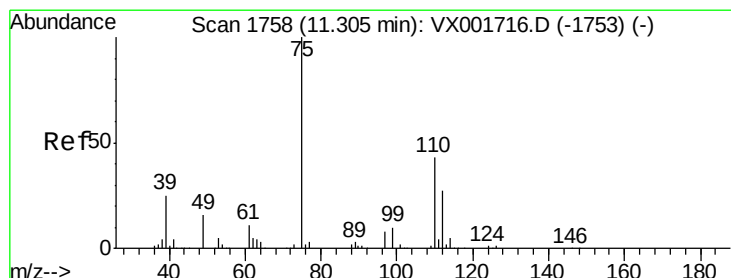
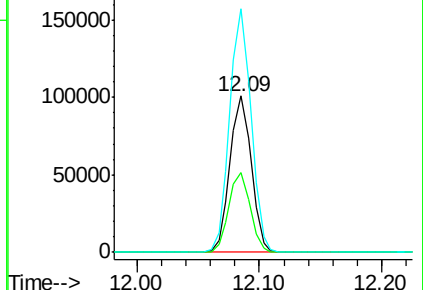
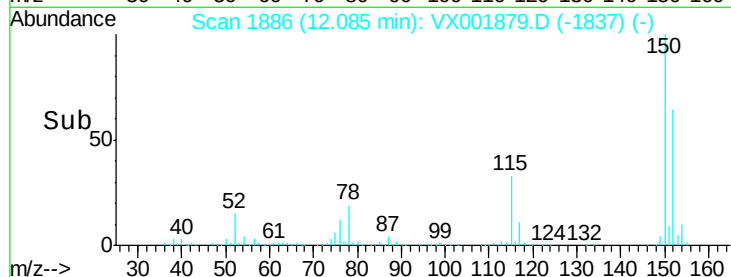
150 155.6 0.0 344.8



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: 28.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001879.D

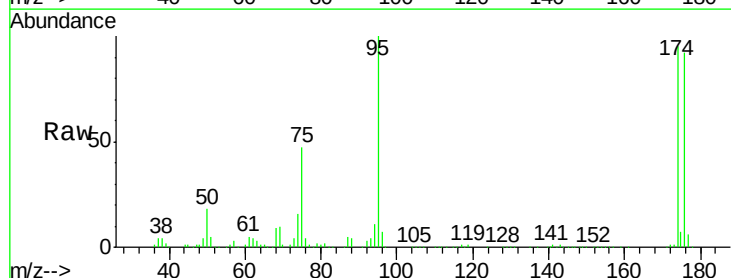
Acq: 21 May 2018 15:58

Tgt Ion: 75 Resp: 64828

Ion Ratio Lower Upper

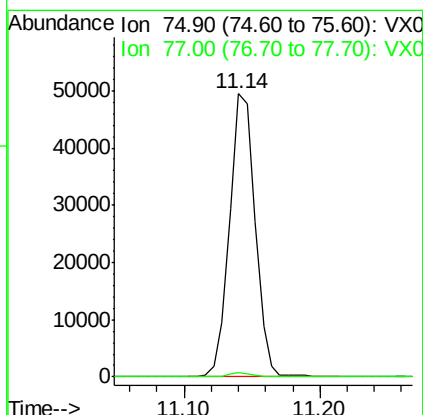
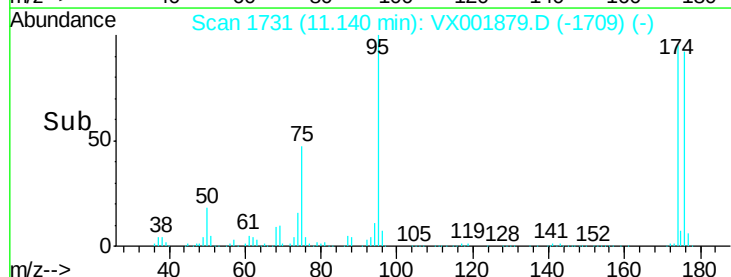
75 100

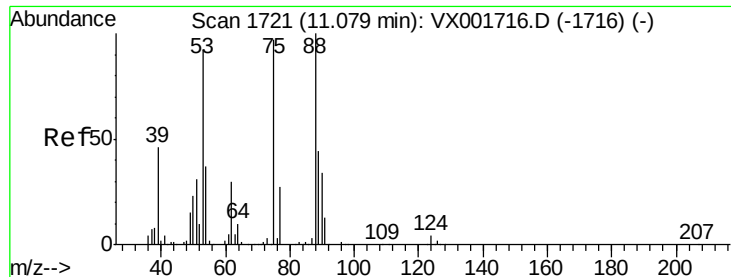
77 1.4 18.9 56.7#



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: 81.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001879.D

Acq: 21 May 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

SS040MW317-180514

Tgt Ion: 75 Resp: 64828

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.1 38.8 58.2#

