

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004523.D
 Acq On : 13 Sep 2018 18:21
 Operator : JC/MD
 Sample : J4892-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-09-091118

Quant Time: Sep 14 03:55:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	242577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337901	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180456	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	168406	53.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.68%	
35) Dibromofluoromethane	5.51	113	151314	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.88%	
50) Toluene-d8	8.72	98	504631	48.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.14	95	169025	45.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.32%	

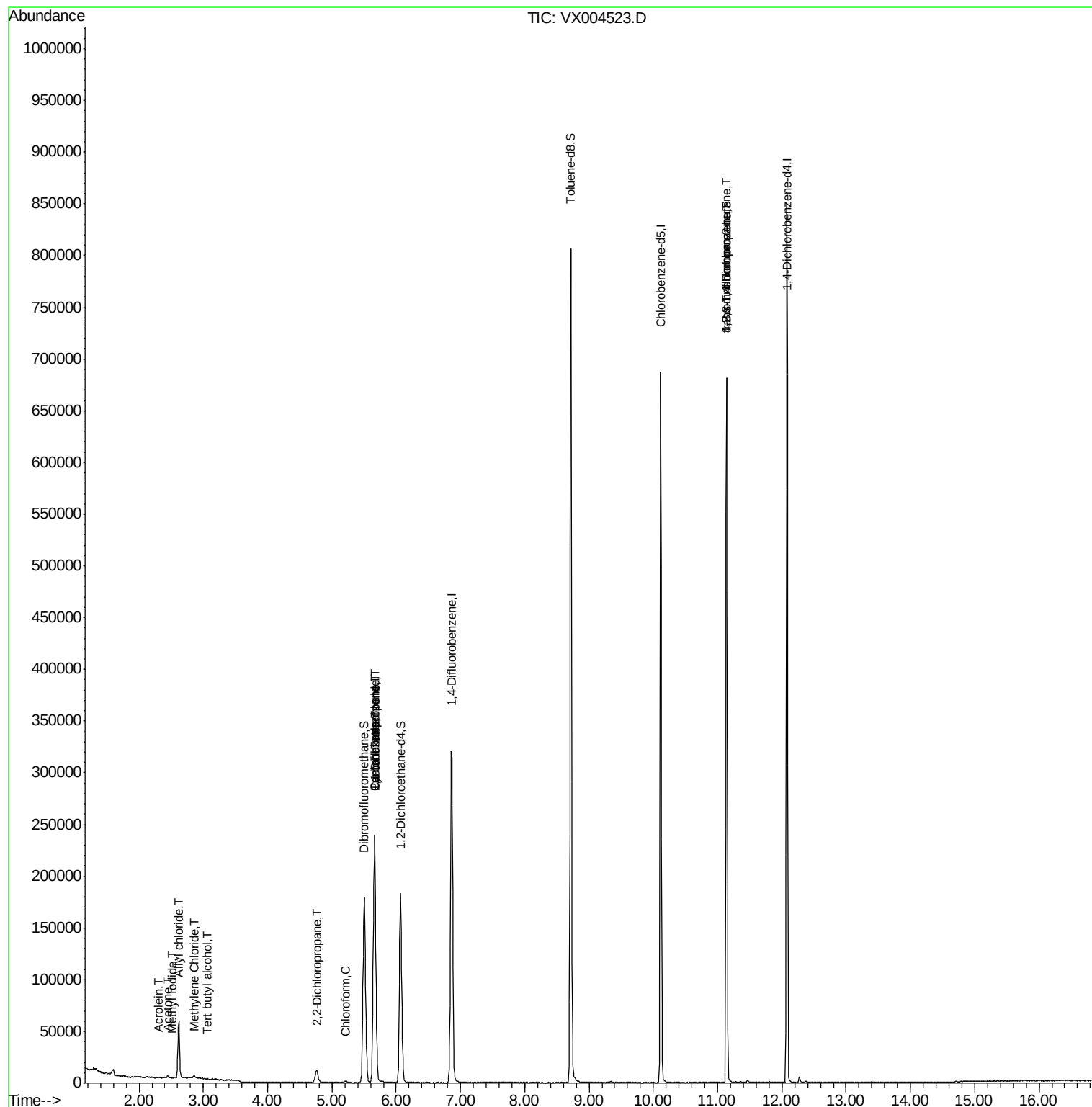
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	549	Below Cal		87
10) Methyl Iodide	2.51	142	282	4.34	ug/l #	59
11) Tert butyl alcohol	3.06	59	243	0.33	ug/l #	72
13) Acrolein	2.30	56	116	0.39	ug/l #	16
14) Allyl chloride	2.61	41	5030	0.97	ug/l #	61
16) Acetone	2.45	43	2099	1.37	ug/l	94
20) Methylene Chloride	2.85	84	1045	0.33	ug/l #	94
26) 2,2-Dichloropropane	4.76	77	1101	0.30	ug/l #	52
30) Chloroform	5.21	83	2131	0.41	ug/l	96
31) Cyclohexane	5.67	56	3964	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15928	3.88	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21012	5.24	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	80643	22.21	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	80643	70.80	ug/l #	10

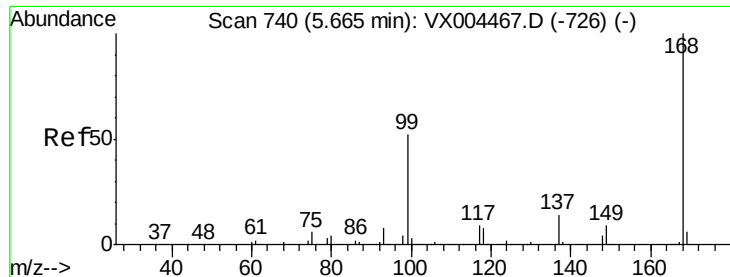
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004523.D

Acq: 13 Sep 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

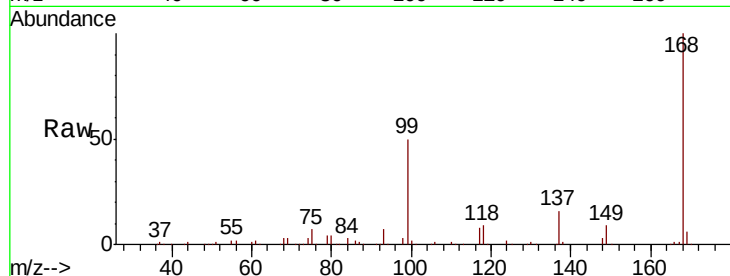
C-MW-09-091118

Tot Ion:168 Resp: 242577

Ion Ratio Lower Upper

168 100

99 49.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX004467.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX004467.D (-726) (-)

5.67

100000

80000

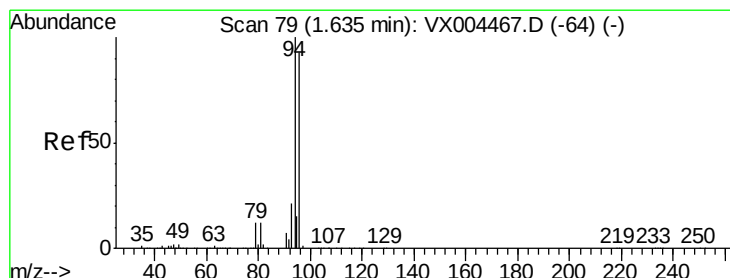
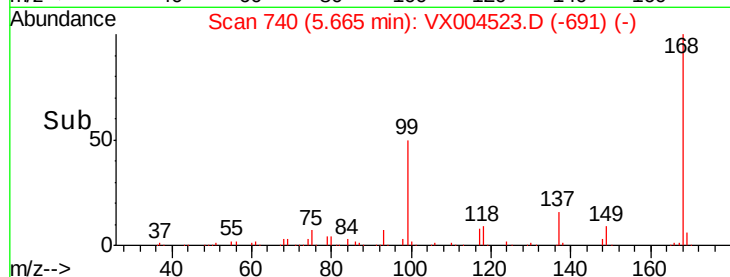
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004523.D

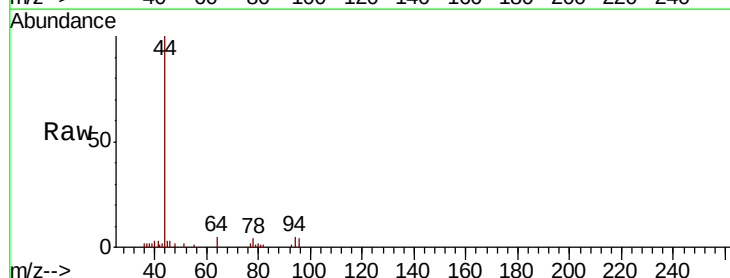
Acq: 13 Sep 2018 18:21

Tgt Ion: 94 Resp: 549

Ion Ratio Lower Upper

94 100

96 80.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX004467.D (-64) (-)

Ion 95.90 (95.60 to 96.60): VX004467.D (-64) (-)

1.65

250

200

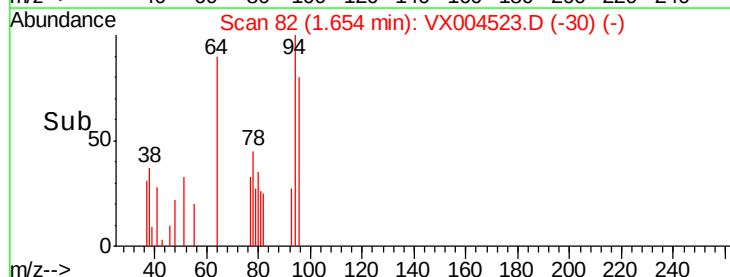
150

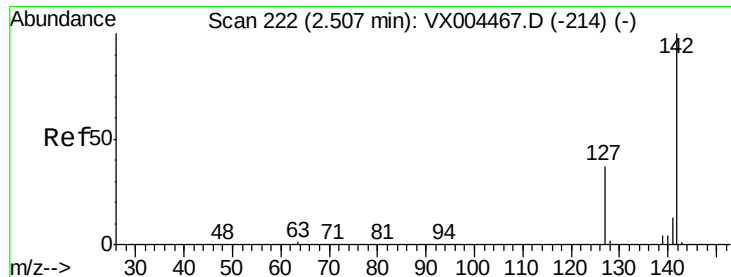
100

50

0

Time--> 1.60 1.65 1.70

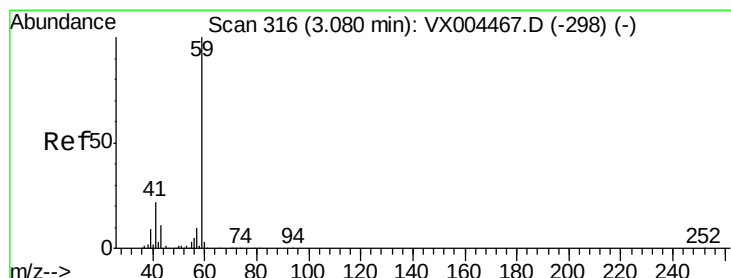
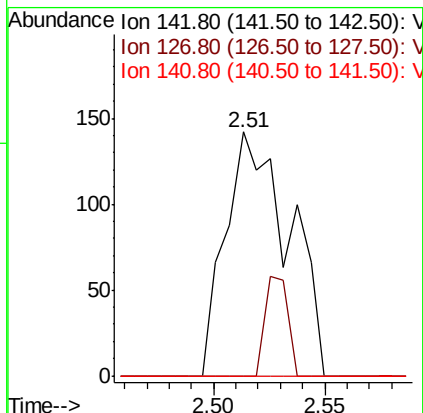
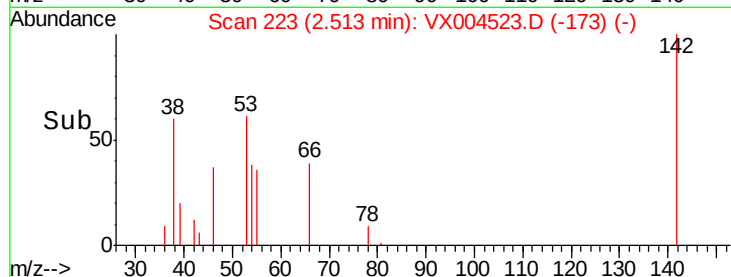
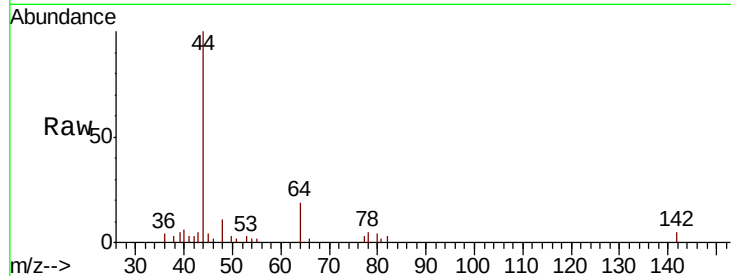




#10
Methvl Iodide
Concen: 4.34 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004523.D
Acq: 13 Sep 2018 18:21

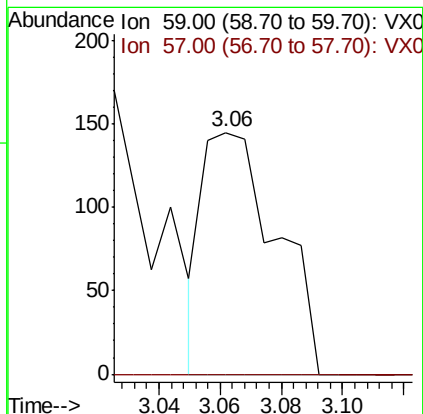
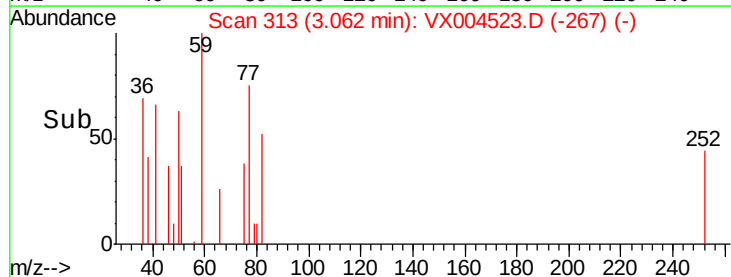
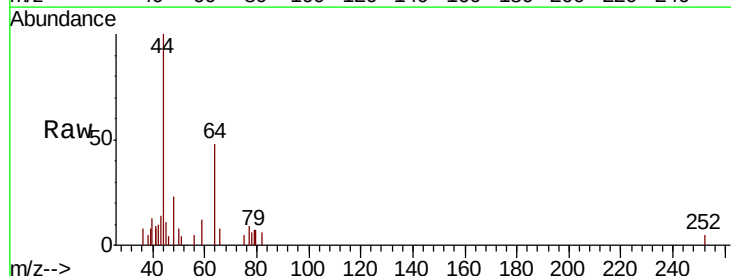
Instrument :
MSVOA_X
ClientSampleId :
C-MW-09-091118

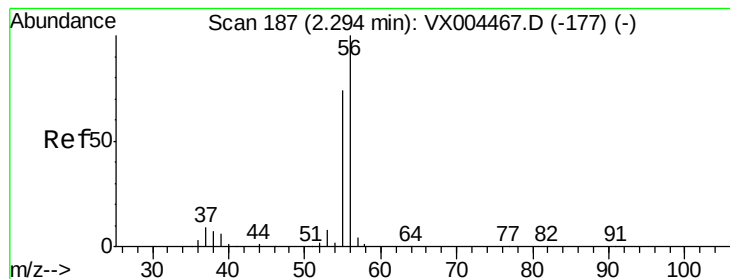
Tot Ion:142 Resp: 282
Ion Ratio Lower Upper
142 100
127 14.9 33.8 50.6#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.33 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004523.D
Acq: 13 Sep 2018 18:21

Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.39 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004523.D

Acq: 13 Sep 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

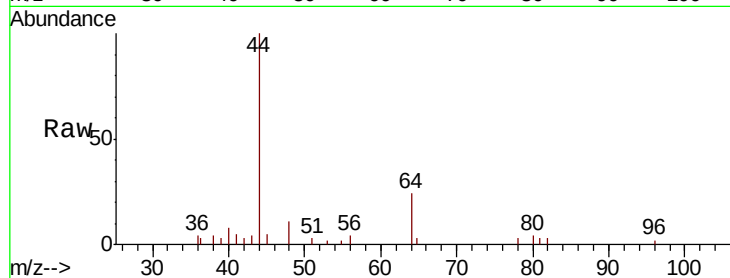
C-MW-09-091118

Tot Ion: 56 Resp: 116

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



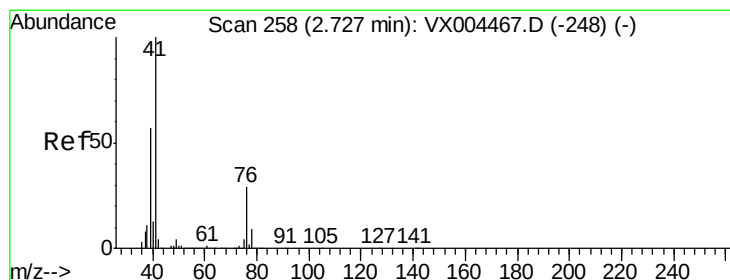
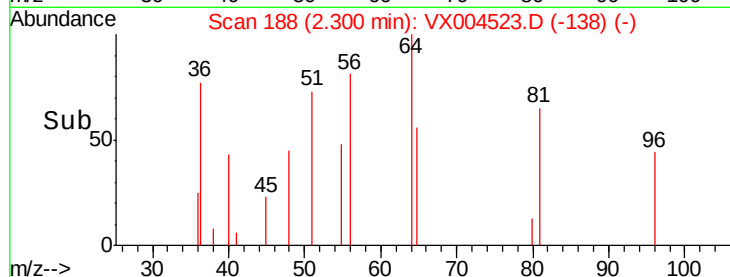
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

2.26 2.28 2.30 2.32

Time-->



#14

Allyl chloride

Concen: 0.97 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.12 min

Lab File: VX004523.D

Acq: 13 Sep 2018 18:21

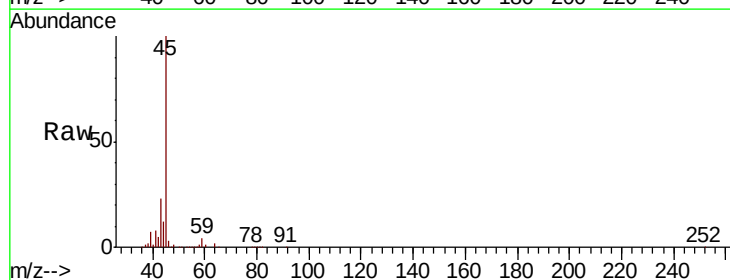
Tgt Ion: 41 Resp: 5030

Ion Ratio Lower Upper

41 100

39 82.2 48.9 73.3#

76 0.0 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VX0

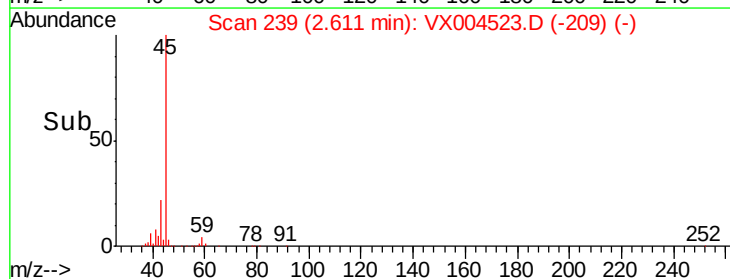
Ion 39.00 (38.70 to 39.70): VX0

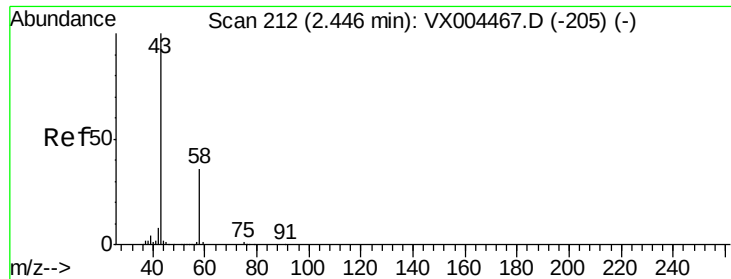
Ion 75.90 (75.60 to 76.60): VX0

2.61

2.50 2.60 2.70

Time-->





#16

Acetone

Concen: 1.37 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004523.D

Acq: 13 Sep 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

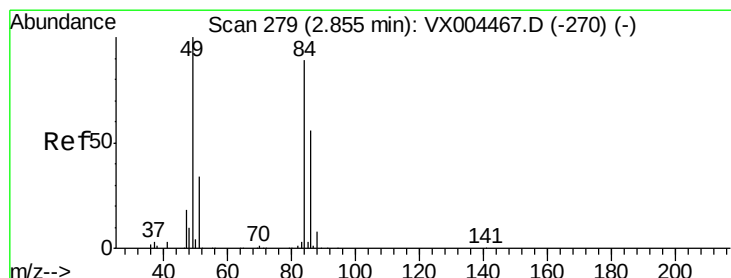
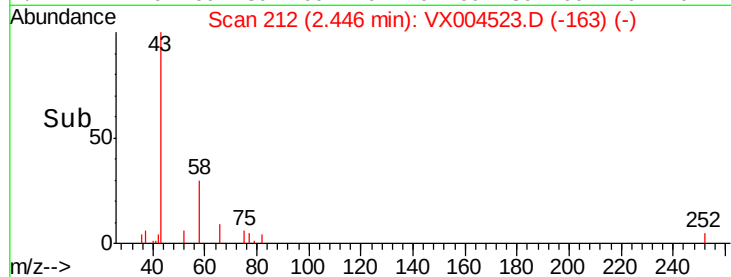
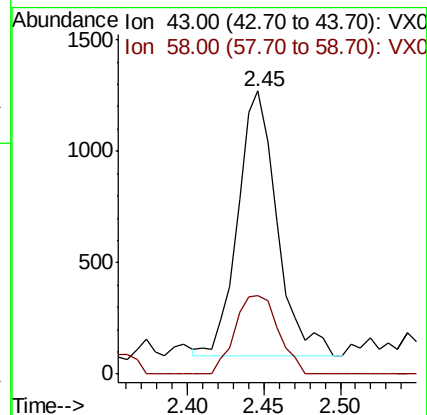
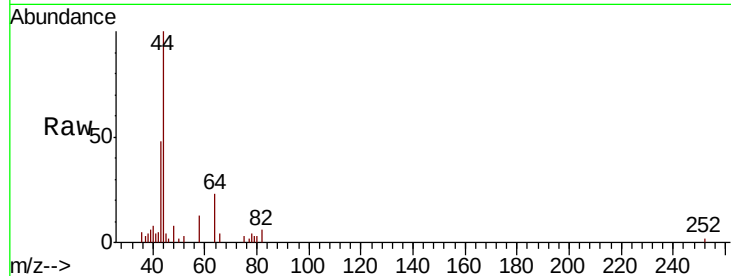
C-MW-09-091118

Tot Ion: 43 Resp: 2099

Ion Ratio Lower Upper

43 100

58 29.6 26.2 39.4



#20

Methylene Chloride

Concen: 0.33 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004523.D

Acq: 13 Sep 2018 18:21

Tgt Ion: 84 Resp: 1045

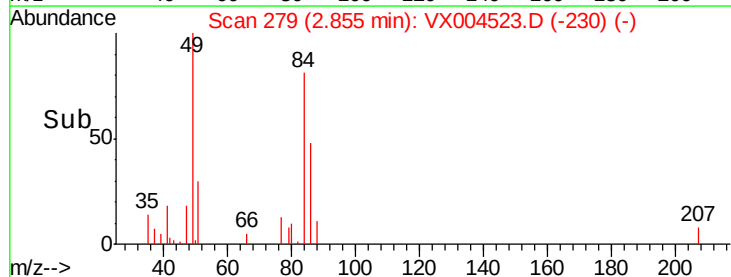
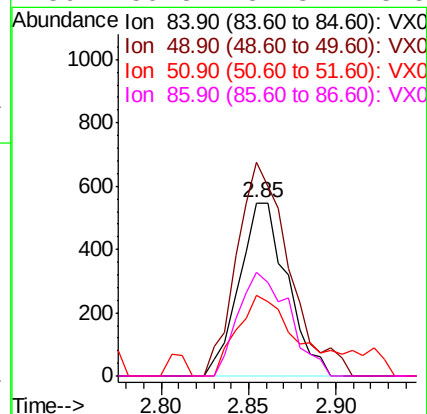
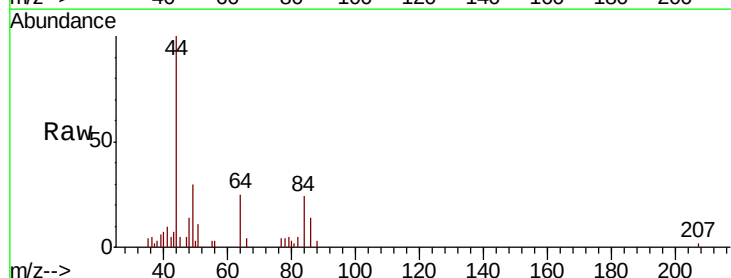
Ion Ratio Lower Upper

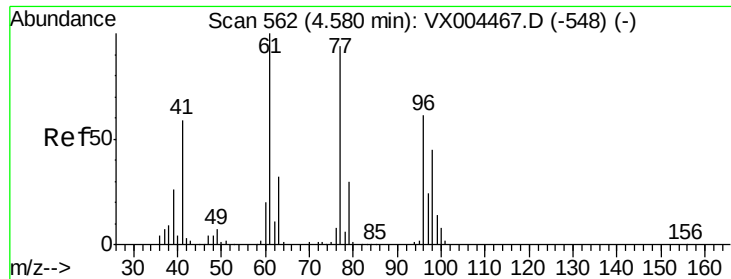
84 100

49 123.4 101.2 151.8

51 46.4 29.5 44.3#

86 59.8 52.3 78.5

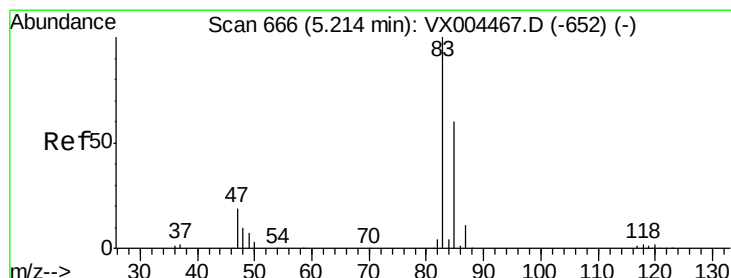
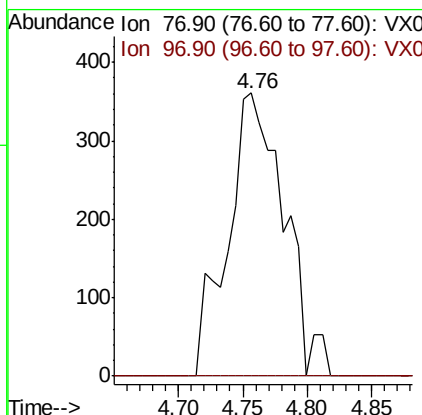
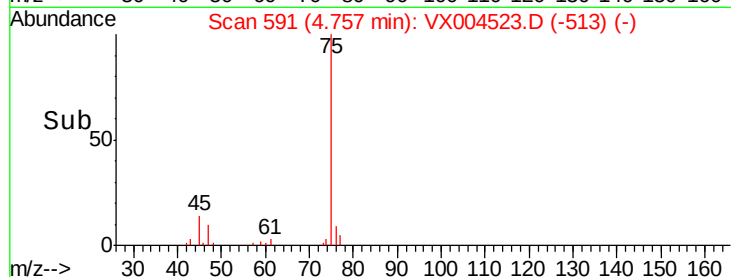
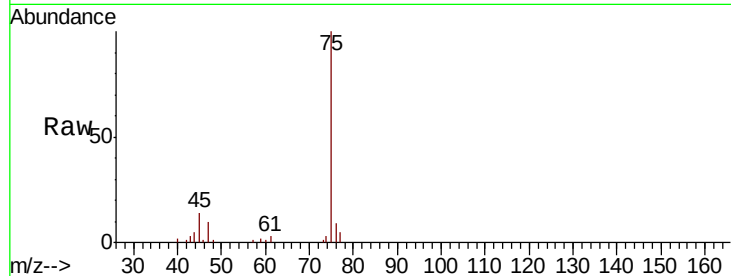




#26
 2,2-Dichloropropane
 Concen: 0.30 ug/l
 RT: 4.76 min Scan# 591
 Delta R.T. 0.18 min
 Lab File: VX004523.D
 Acq: 13 Sep 2018 18:21

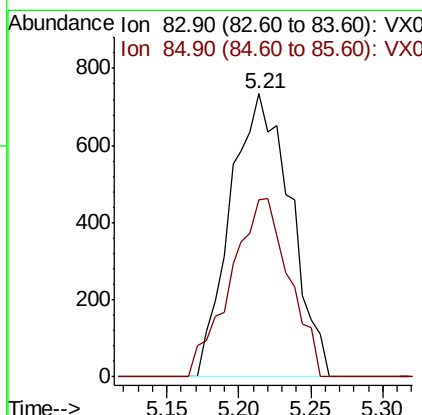
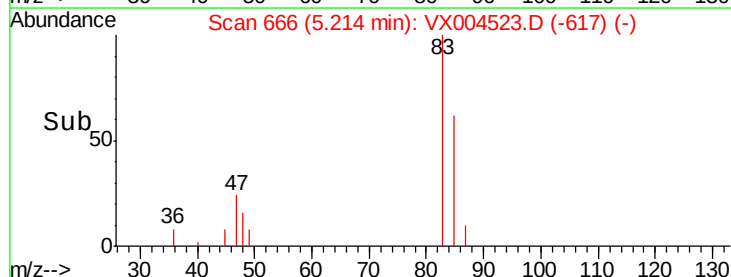
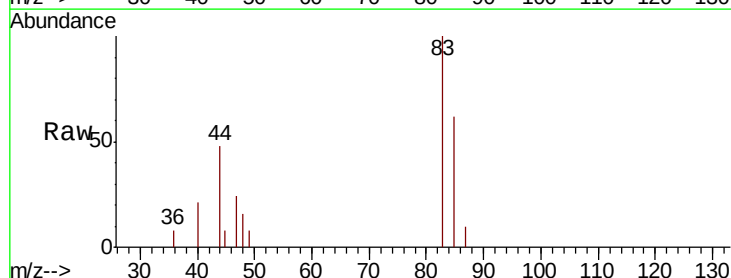
Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-09-091118

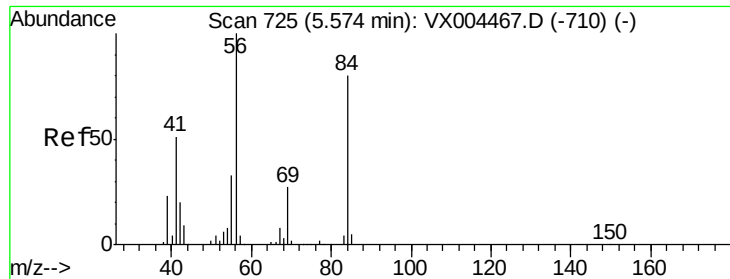
Tot Ion: 77 Resp: 1101
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#30
 Chloroform
 Concen: 0.41 ug/l
 RT: 5.21 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VX004523.D
 Acq: 13 Sep 2018 18:21

Tgt Ion: 83 Resp: 2131
 Ion Ratio Lower Upper
 83 100
 85 62.4 52.6 79.0

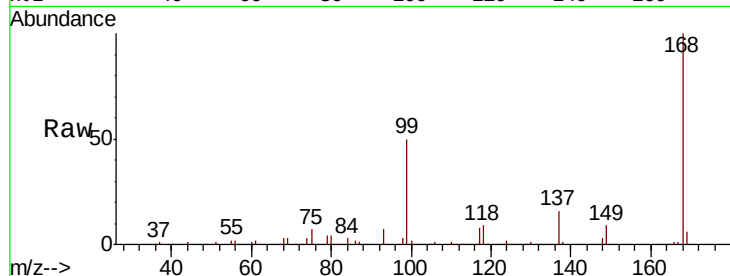




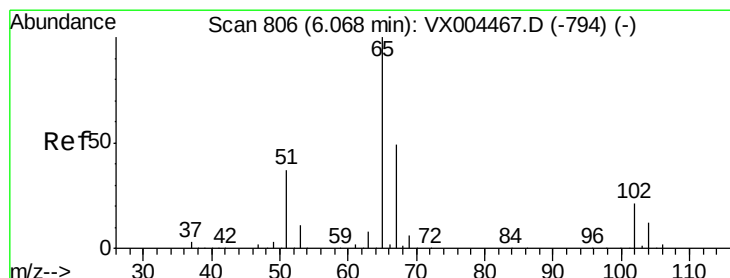
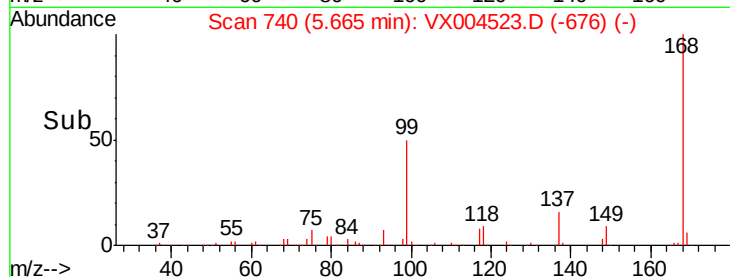
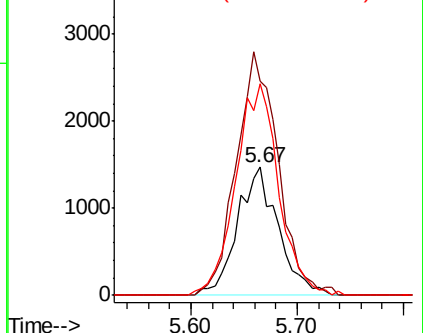
#31
Cyclohexane
Concen: 0.88 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004523.D
Acq: 13 Sep 2018 18:21

Instrument :
MSVOA_X
ClientSampleId :
C-MW-09-091118

Tot Ion: 56 Resp: 3964
Ion Ratio Lower Upper
56 100
69 167.2 25.4 38.2#
84 165.2 71.4 107.2#

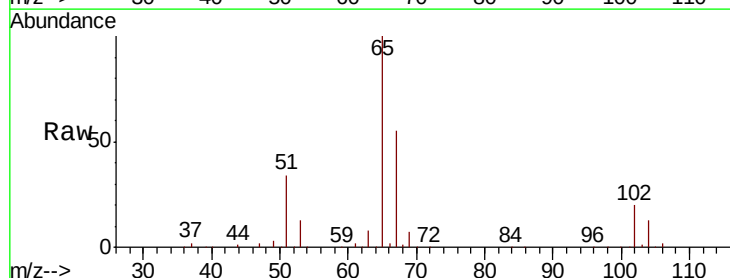


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

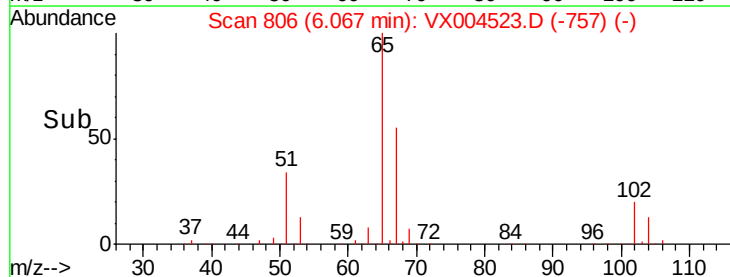
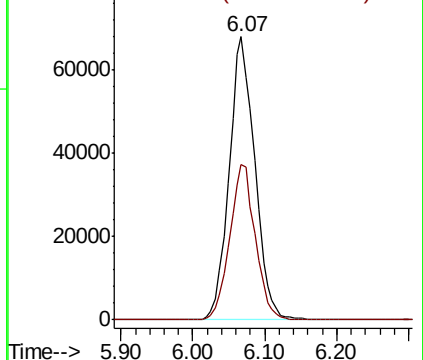


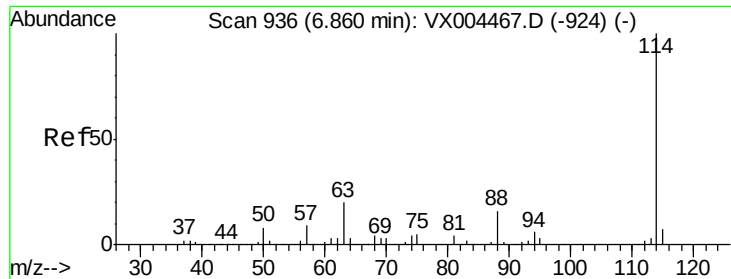
#33
1,2-Dichloroethane-d4
Concen: 53.84 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004523.D
Acq: 13 Sep 2018 18:21

Tgt Ion: 65 Resp: 168406
Ion Ratio Lower Upper
65 100
67 54.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

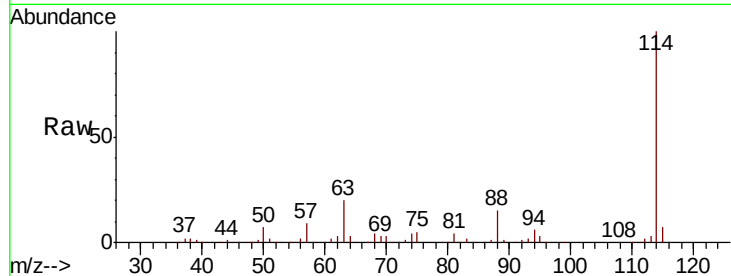




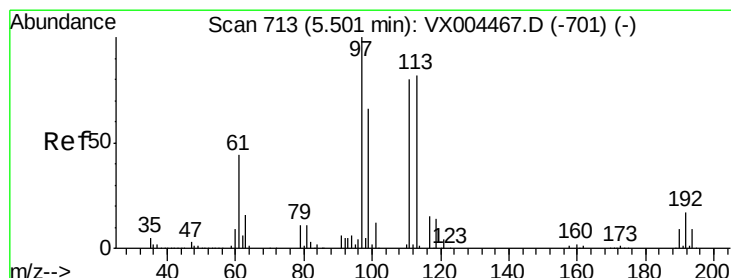
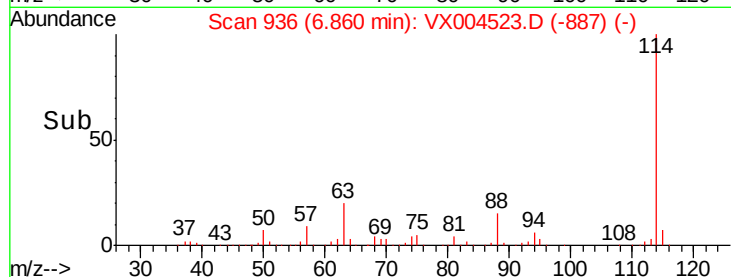
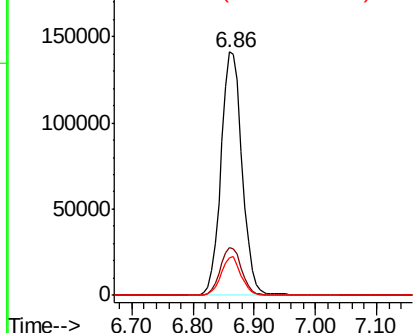
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004523.D
 Acq: 13 Sep 2018 18:21

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-09-091118

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.0
88	15.3	0.0	30.4

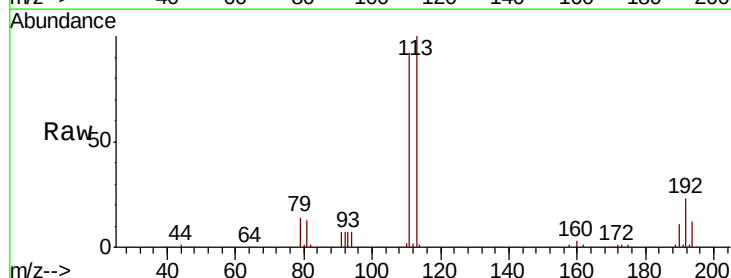


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

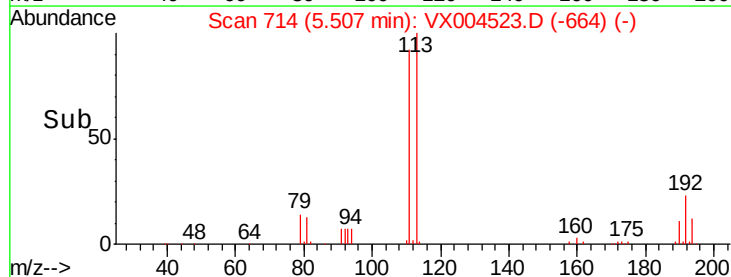
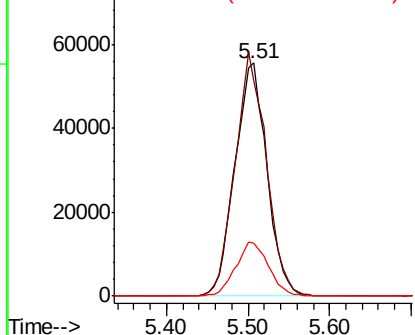


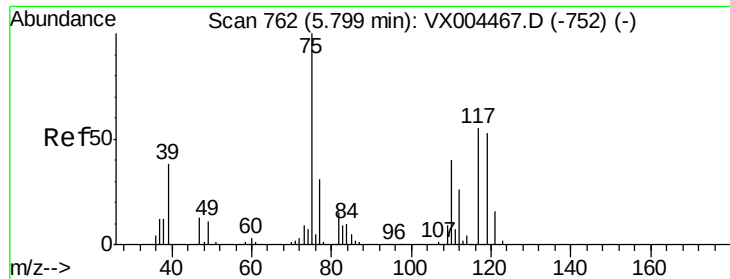
#35
 Dibromofluoromethane
 Concen: 48.94 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004523.D
 Acq: 13 Sep 2018 18:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.4	123.6
192	23.7	19.4	29.2



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

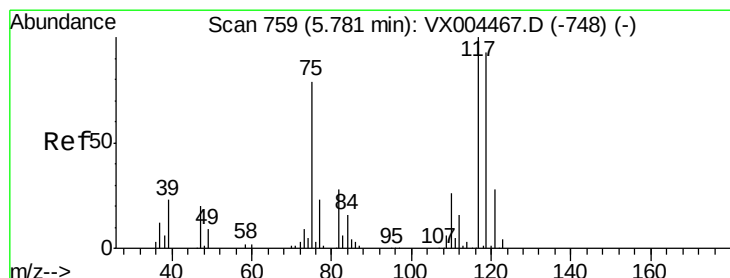
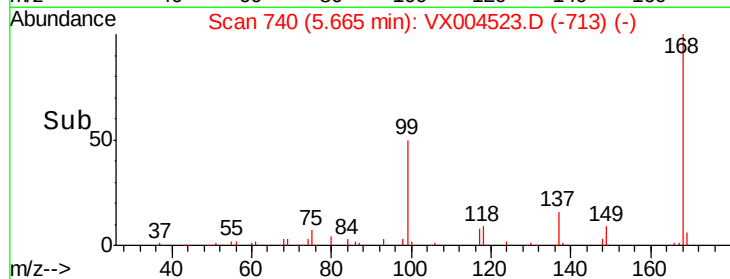
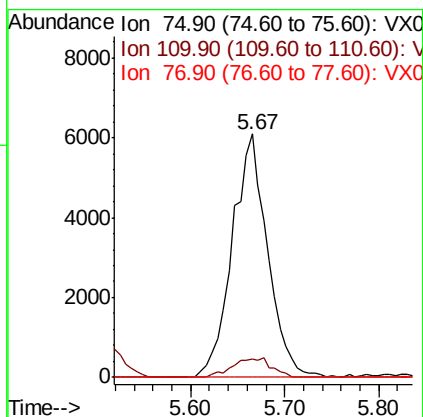
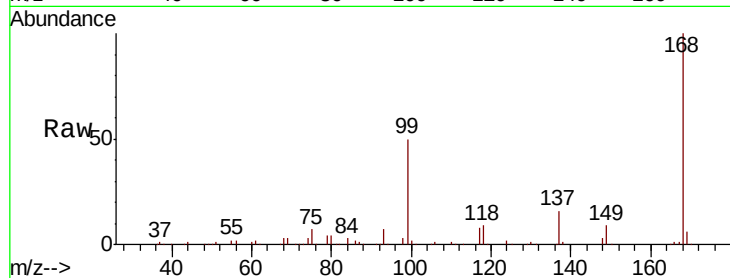




#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004523.D
 Acq: 13 Sep 2018 18:21

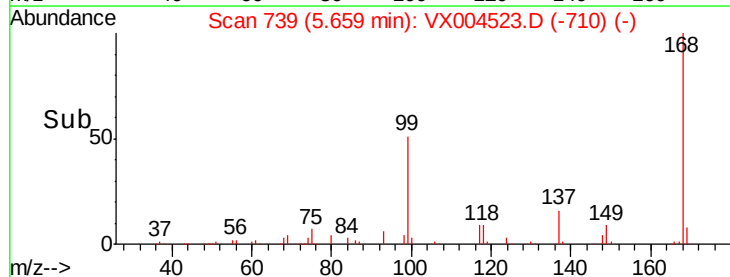
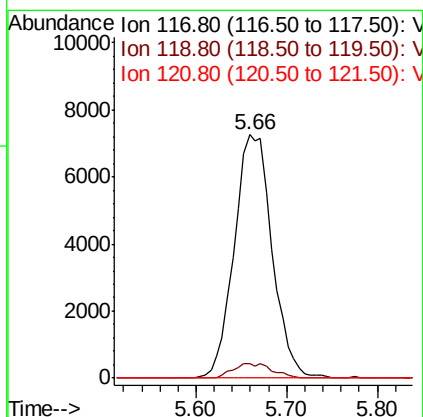
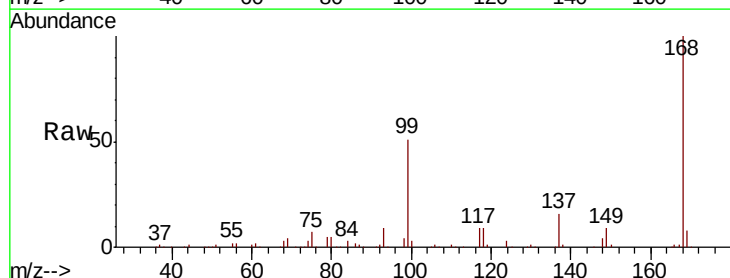
Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-09-091118

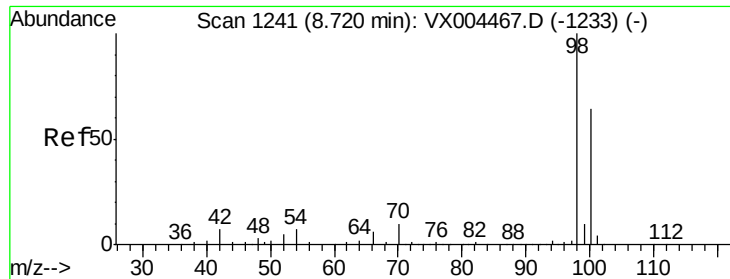
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.24 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004523.D
 Acq: 13 Sep 2018 18:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.8	118.2#
121	0.0	24.9	37.3#

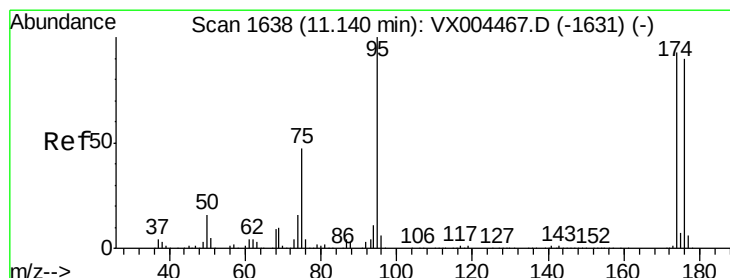
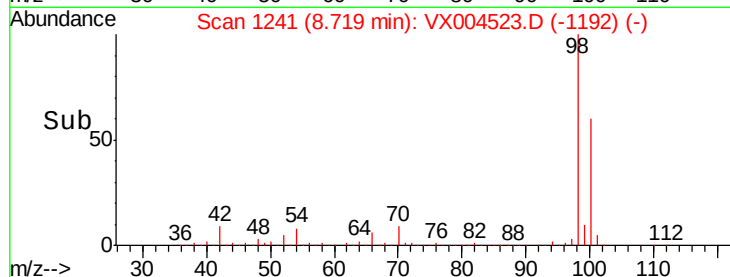
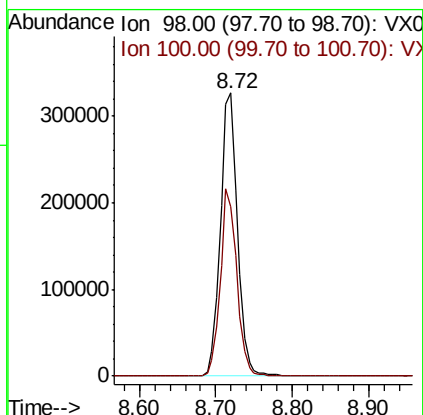
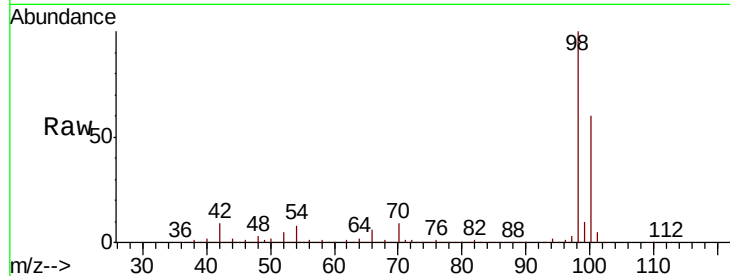




#50
Toluene-d8
Concen: 48.67 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004523.D
Acq: 13 Sep 2018 18:21

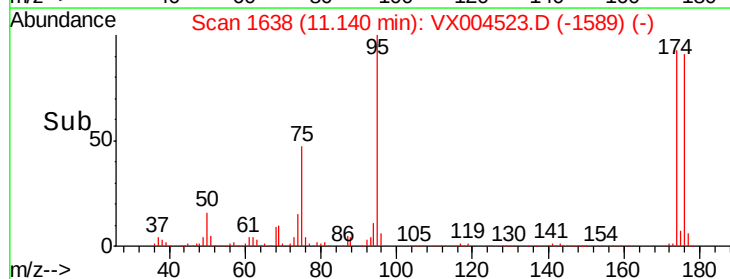
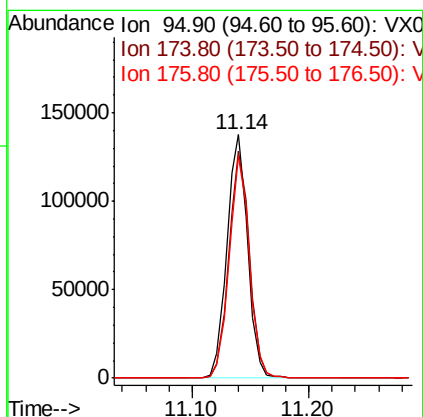
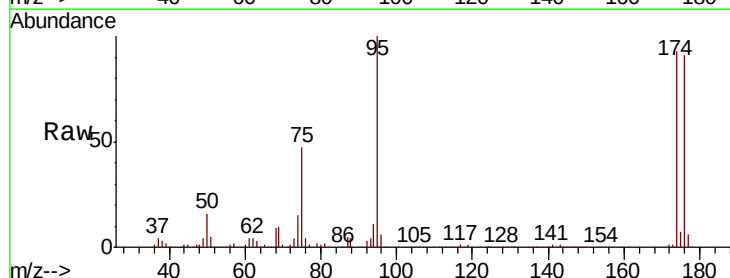
Instrument :
MSVOA_X
ClientSampleId :
C-MW-09-091118

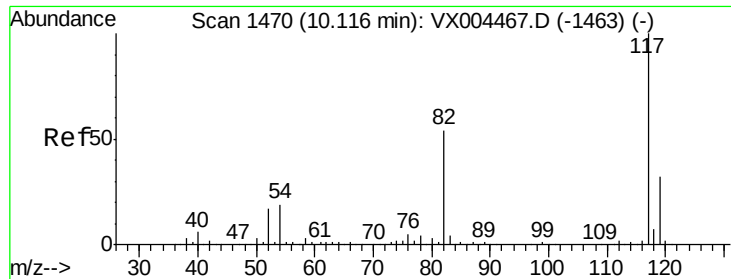
Tot Ion: 98 Resp: 504631
Ion Ratio Lower Upper
98 100
100 63.9 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.66 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004523.D
Acq: 13 Sep 2018 18:21

Tgt Ion: 95 Resp: 169025
Ion Ratio Lower Upper
95 100
174 93.7 0.0 185.2
176 89.8 0.0 178.6

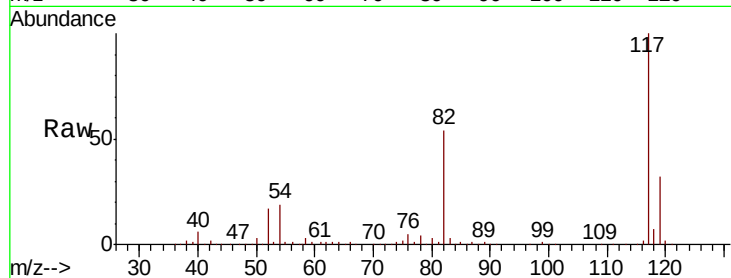




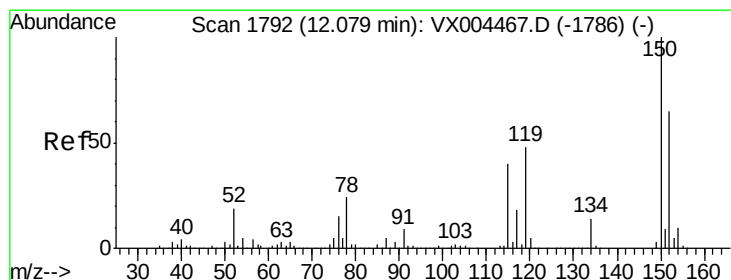
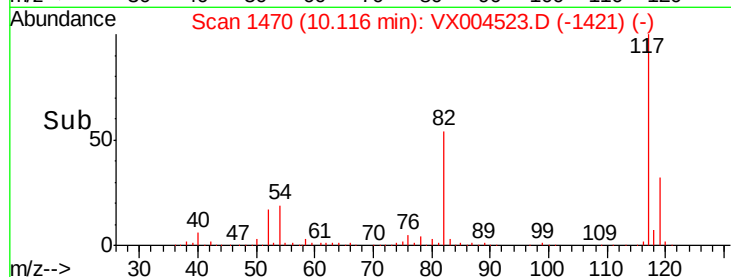
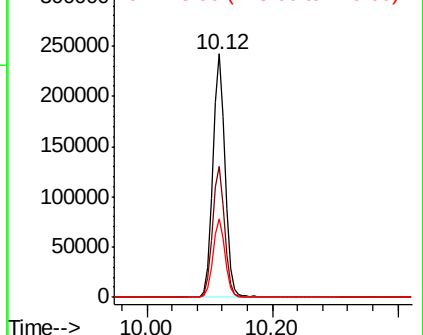
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004523.D
Acq: 13 Sep 2018 18:21

Instrument :
MSVOA_X
ClientSampleId :
C-MW-09-091118

Tot Ion:117 Resp: 323703
Ion Ratio Lower Upper
117 100
82 53.6 47.8 71.6
119 32.1 29.3 43.9

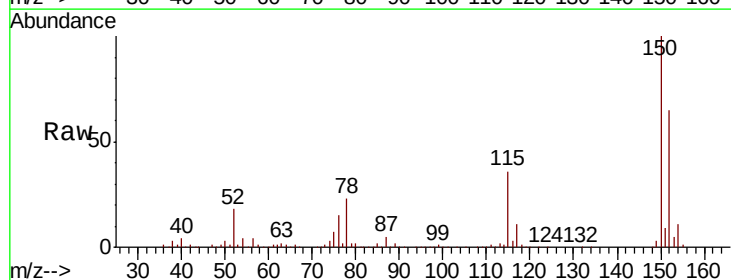


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

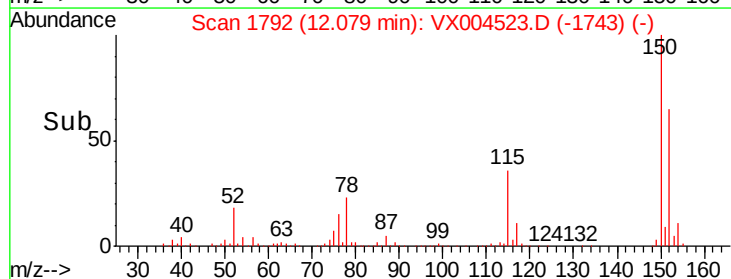
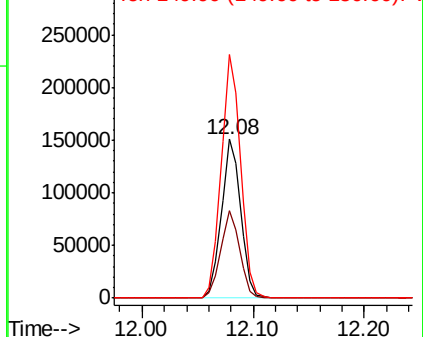


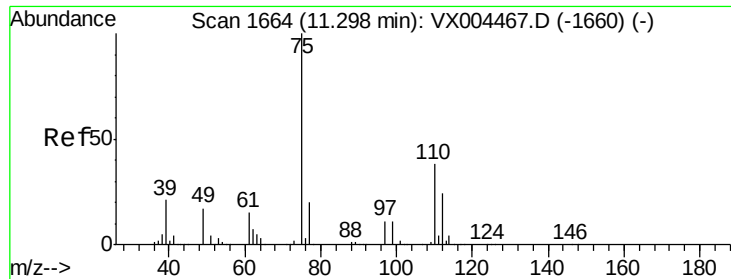
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004523.D
Acq: 13 Sep 2018 18:21

Tgt Ion:152 Resp: 180456
Ion Ratio Lower Upper
152 100
115 54.5 39.0 117.0
150 154.7 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

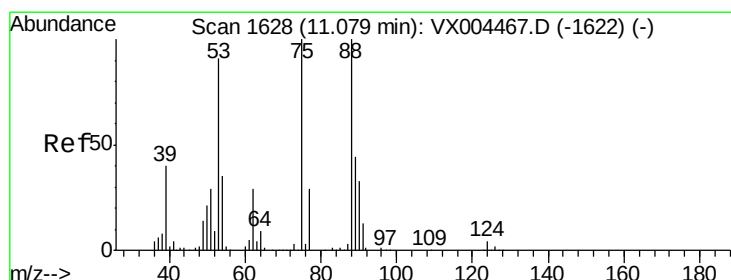
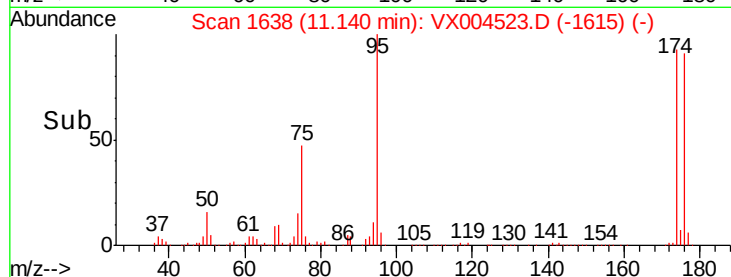
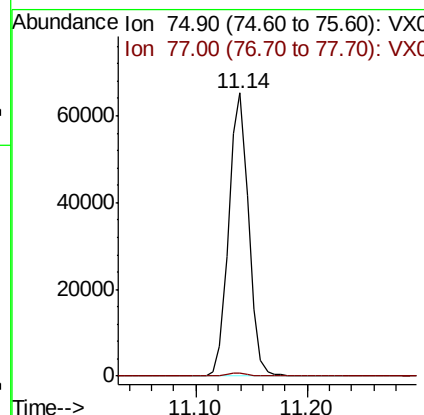
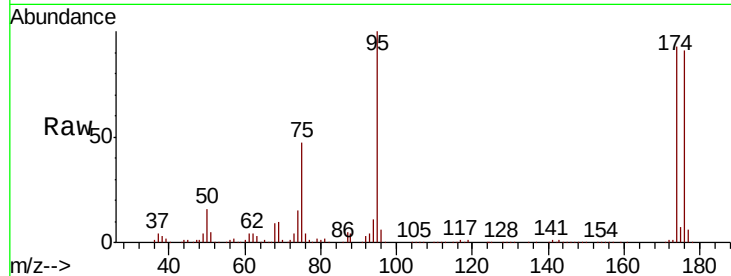




#76
 1,2,3-Trichloropropane
 Concen: 22.21 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004523.D
 Acq: 13 Sep 2018 18:21

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-09-091118

Tot Ion: 75 Resp: 80643
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.80 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004523.D
 Acq: 13 Sep 2018 18:21

Tgt Ion: 75 Resp: 80643
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.0 37.2 55.8#

