

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004520.D
 Acq On : 13 Sep 2018 17:01
 Operator : JC/MD
 Sample : J4892-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C-MW-05-091118

Quant Time: Sep 14 03:54:47 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	264988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	363722	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194939	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	182634	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
35) Dibromofluoromethane	5.51	113	164391	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	8.71	98	550116	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.14	95	185756	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

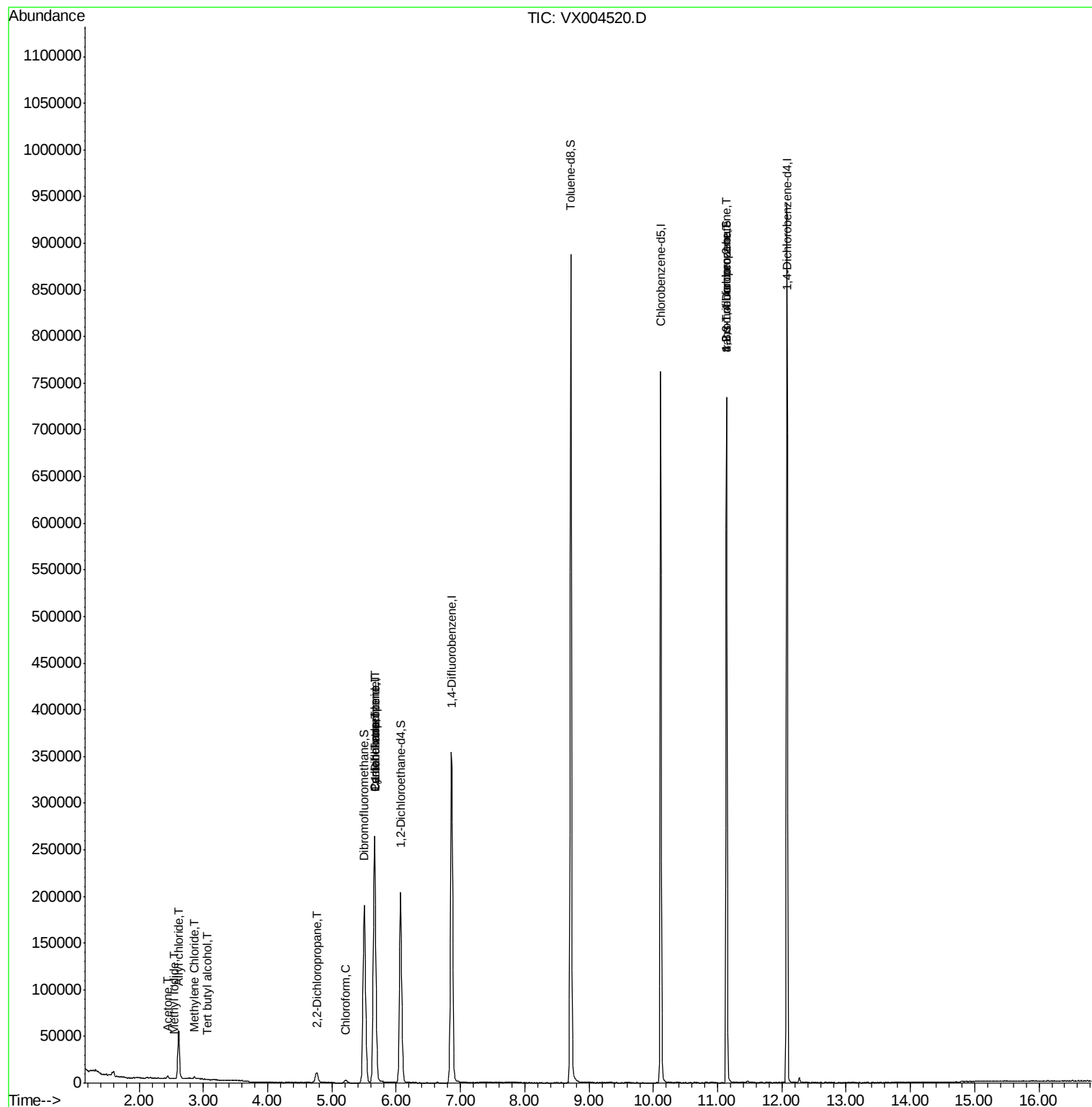
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	618	Below Cal		85
10) Methyl Iodide	2.53	142	298	4.33	ug/l #	71
11) Tert butyl alcohol	3.06	59	192	0.24	ug/l #	72
14) Allyl chloride	2.61	41	5278	0.93	ug/l #	67
16) Acetone	2.45	43	3062	1.84	ug/l	92
20) Methylene Chloride	2.85	84	724	0.21	ug/l #	81
26) 2,2-Dichloropropane	4.76	77	962	0.24	ug/l #	52
30) Chloroform	5.21	83	3407	0.60	ug/l	94
31) Cyclohexane	5.66	56	4605	0.93	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17719	4.01	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23524	5.45	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	87376	22.28	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	87376	71.01	ug/l #	10

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

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QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004520.D

Acq: 13 Sep 2018 17:01

Instrument :

MSVOA_X

ClientSampleId :

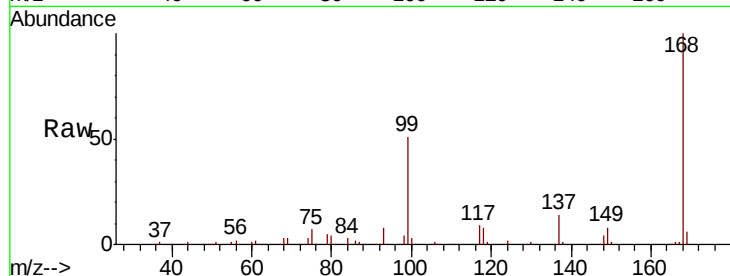
C-MW-05-091118

Tot Ion:168 Resp: 264988

Ion Ratio Lower Upper

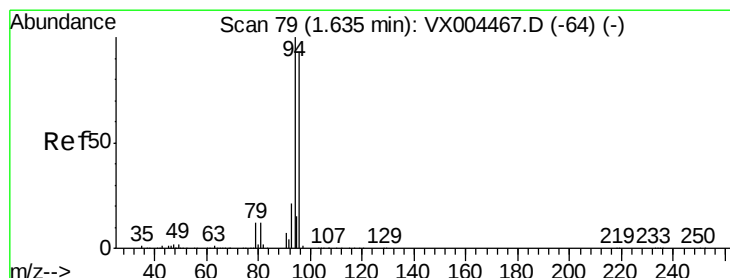
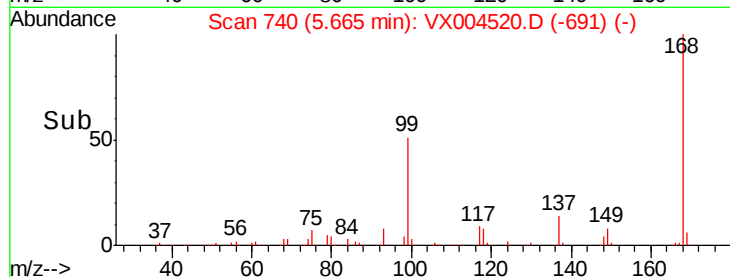
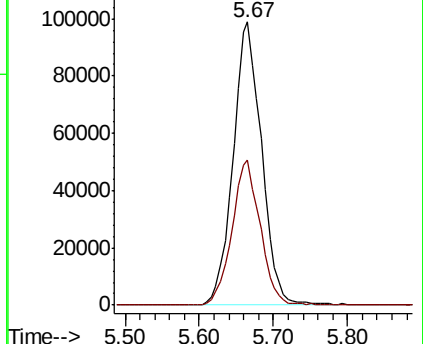
168 100

99 51.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004520.D

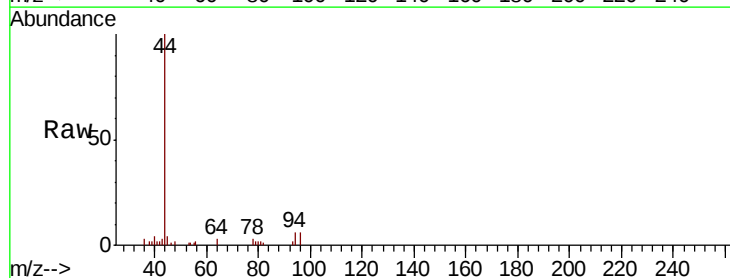
Acq: 13 Sep 2018 17:01

Tgt Ion: 94 Resp: 618

Ion Ratio Lower Upper

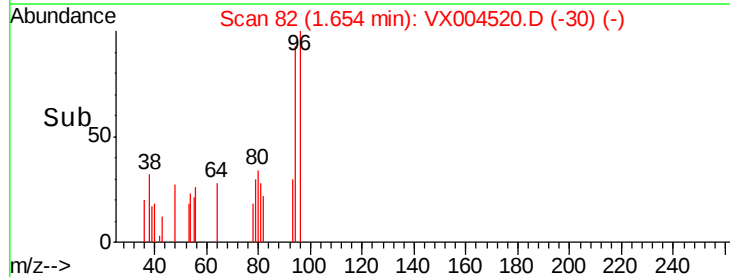
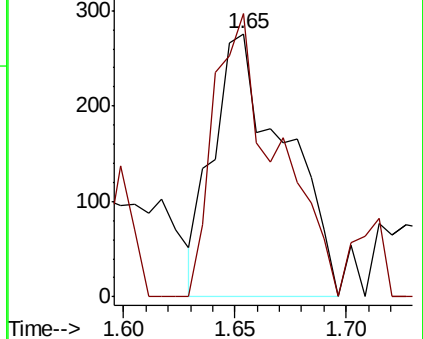
94 100

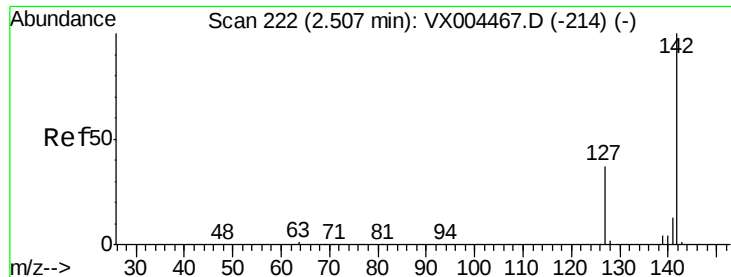
96 107.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

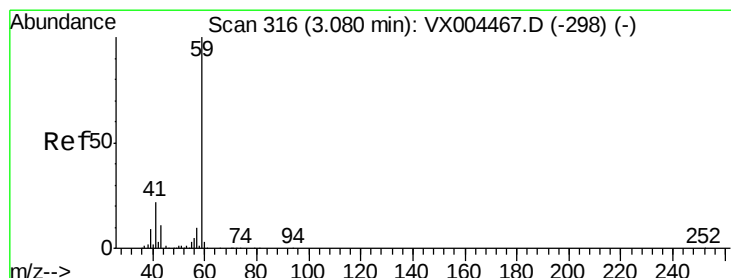
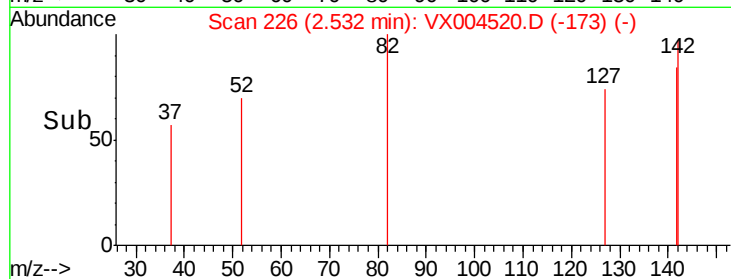
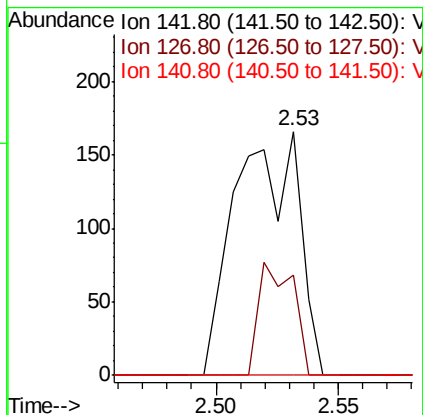
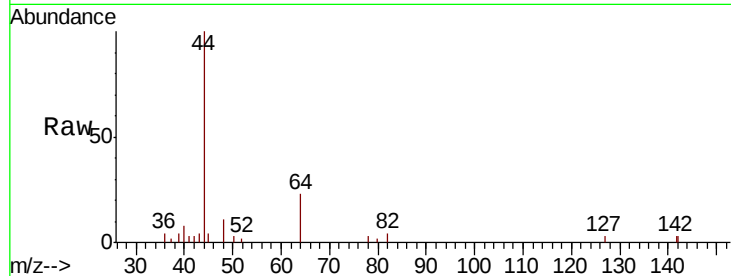




#10
Methyl Iodide
Concen: 4.33 ug/l
RT: 2.53 min Scan# 226
Delta R.T. 0.02 min
Lab File: VX004520.D
Acq: 13 Sep 2018 17:01

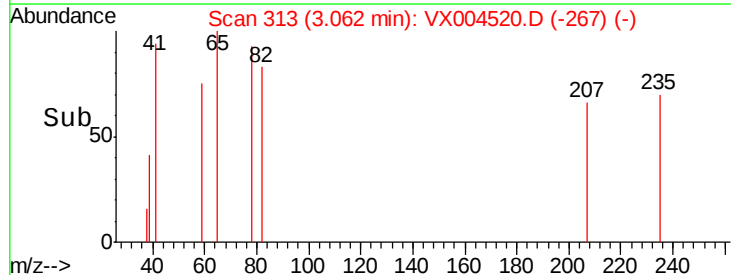
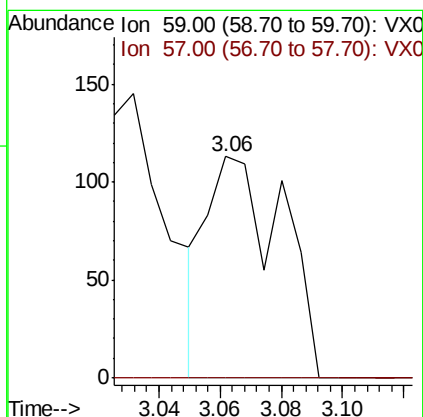
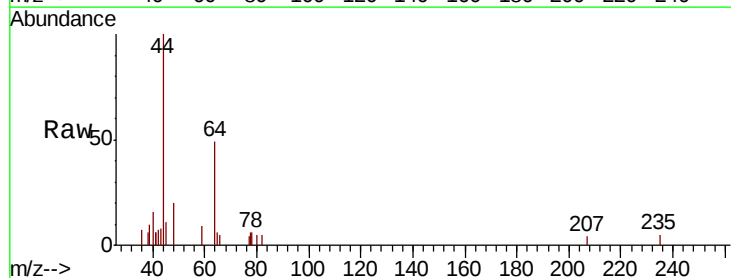
Instrument :
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C-MW-05-091118

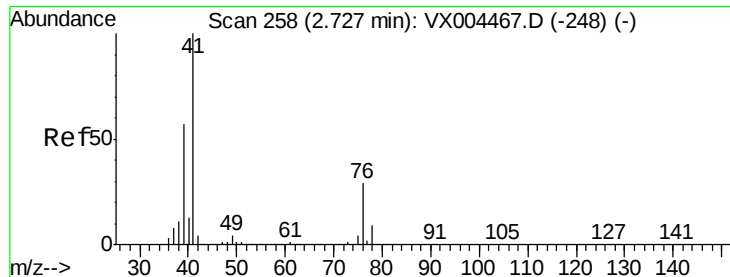
Tot Ion:142 Resp: 298
Ion Ratio Lower Upper
142 100
127 25.2 33.8 50.6#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004520.D
Acq: 13 Sep 2018 17:01

Tgt Ion: 59 Resp: 192
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#14

Allvl chloride

Concen: 0.93 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.12 min

Lab File: VX004520.D

Acq: 13 Sep 2018 17:01

Instrument :

MSVOA_X

ClientSampleId :

C-MW-05-091118

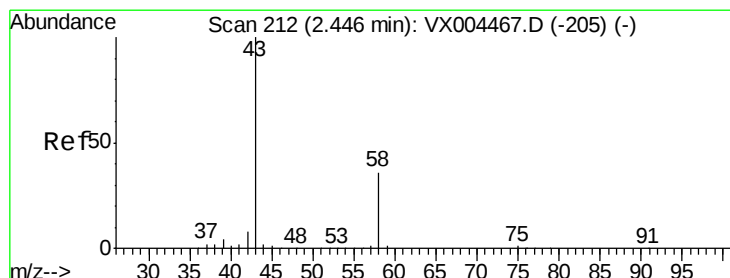
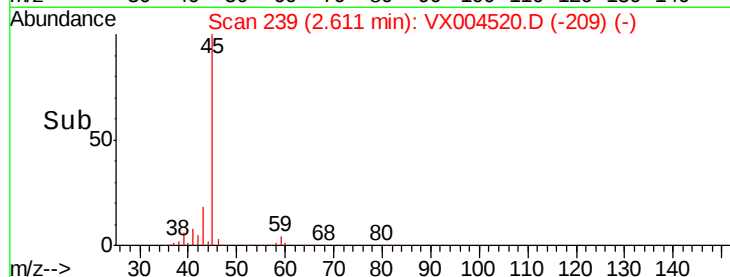
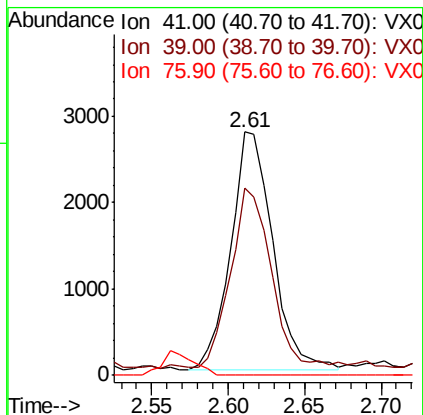
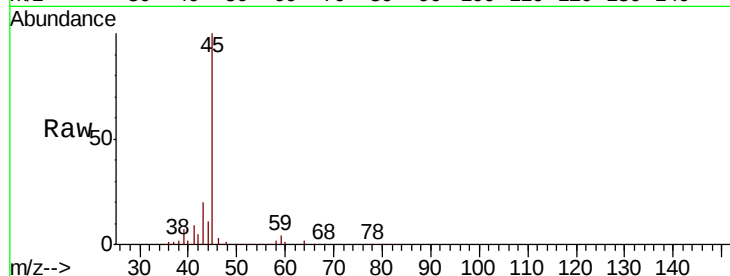
Tot Ion: 41 Resp: 5278

Ion Ratio Lower Upper

41 100

39 75.1 48.9 73.3#

76 0.0 26.7 40.1#



#16

Acetone

Concen: 1.84 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004520.D

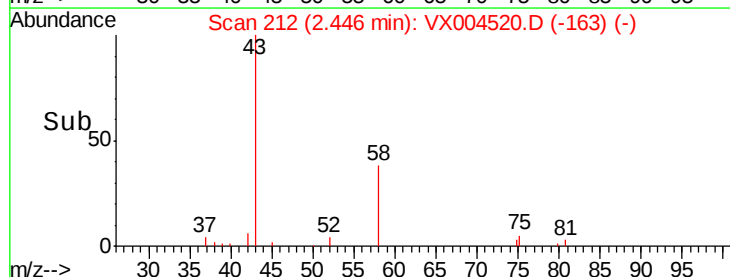
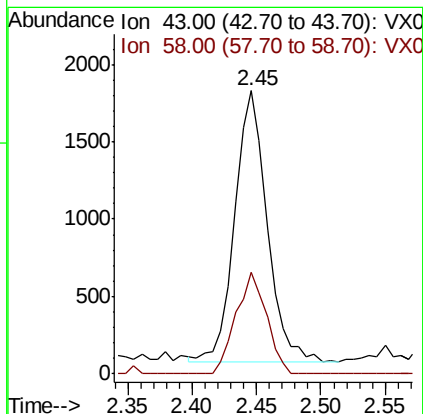
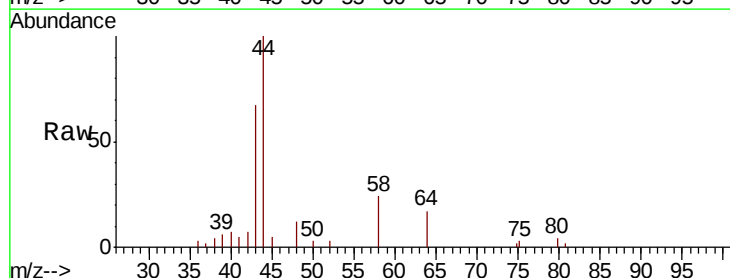
Acq: 13 Sep 2018 17:01

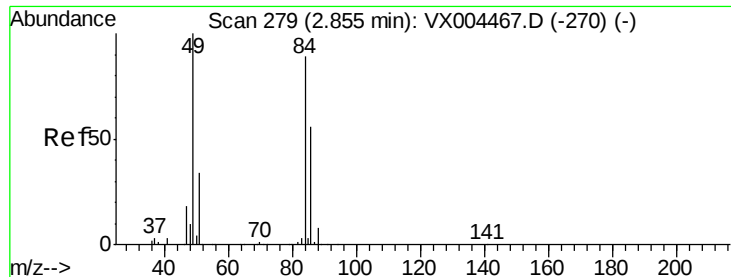
Tgt Ion: 43 Resp: 3062

Ion Ratio Lower Upper

43 100

58 37.6 26.2 39.4

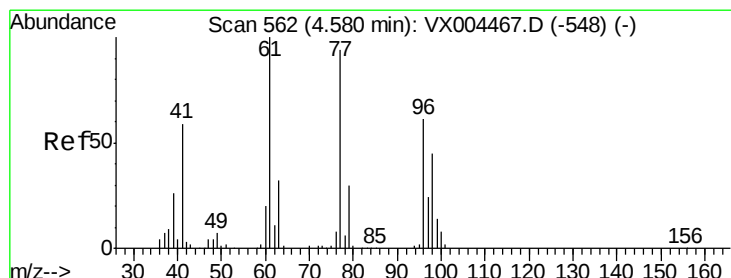
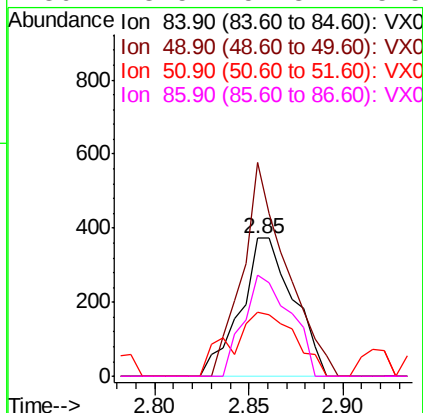
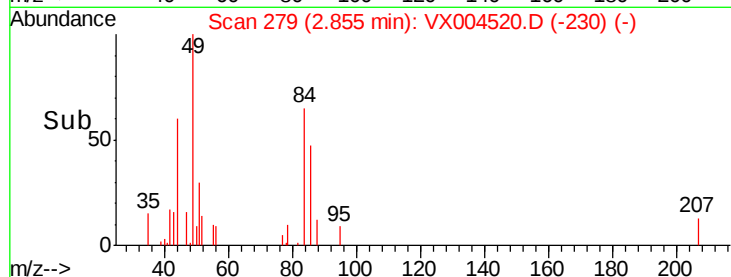
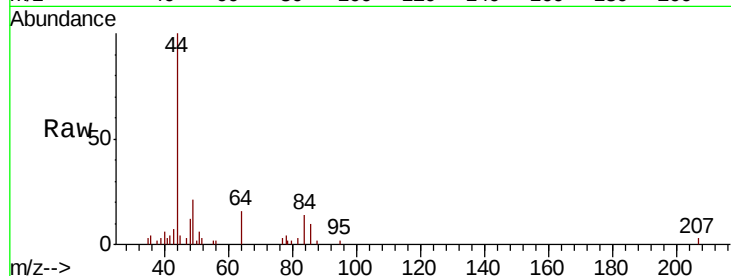




#20
Methvlene Chloride
Concen: 0.21 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004520.D
Acq: 13 Sep 2018 17:01

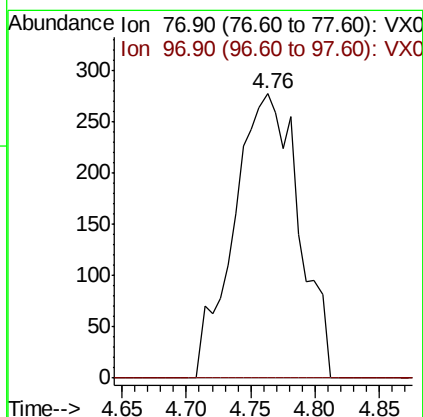
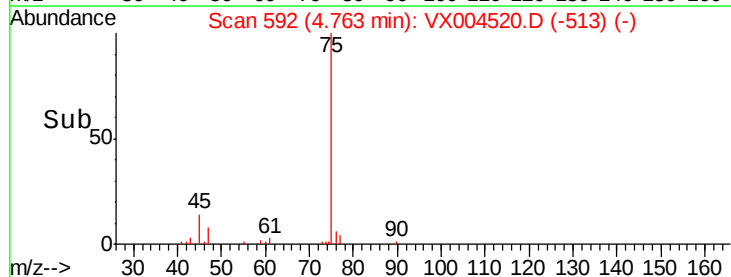
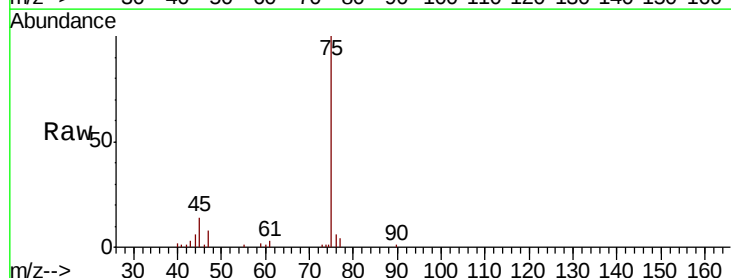
Instrument :
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ClientSampleId :
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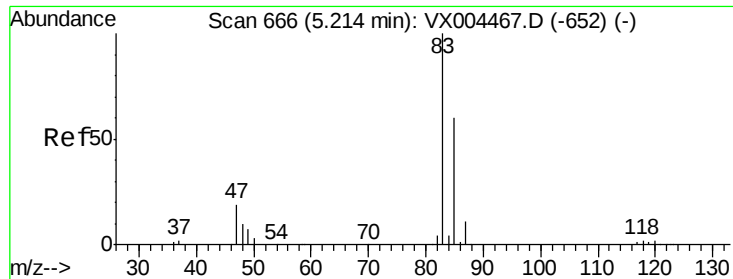
Tot Ion: 84 Resp: 724
Ion Ratio Lower Upper
84 100
49 154.7 101.2 151.8#
51 46.4 29.5 44.3#
86 73.5 52.3 78.5



#26
2,2-Dichloropropane
Concen: 0.24 ug/l
RT: 4.76 min Scan# 592
Delta R.T. 0.18 min
Lab File: VX004520.D
Acq: 13 Sep 2018 17:01

Tgt Ion: 77 Resp: 962
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#

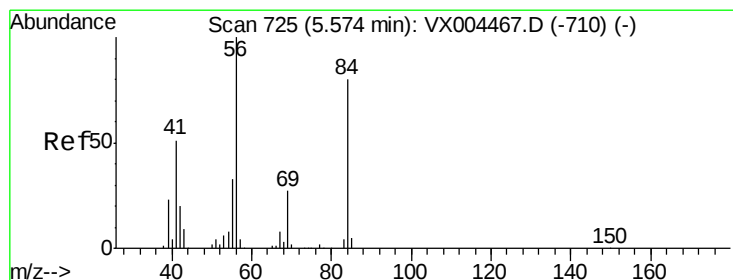
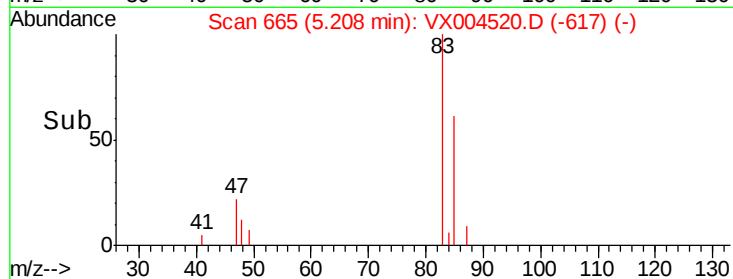
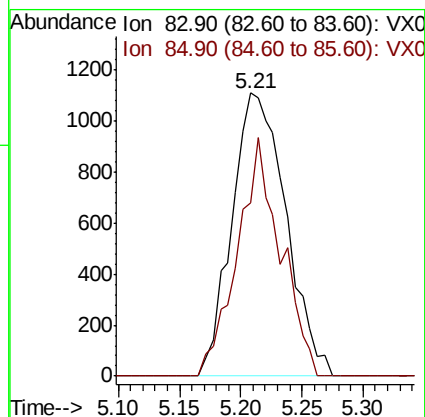
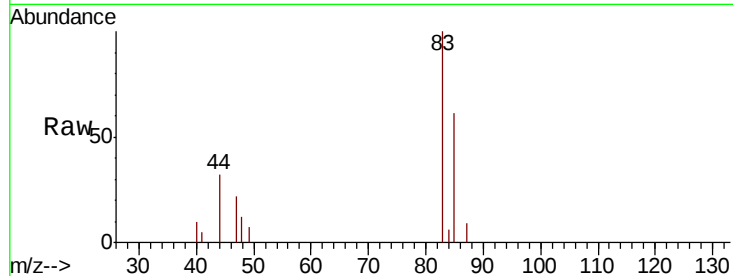




#30
Chloroform
Concen: 0.60 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004520.D
Acq: 13 Sep 2018 17:01

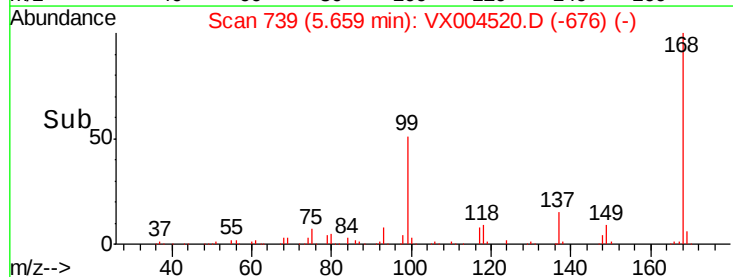
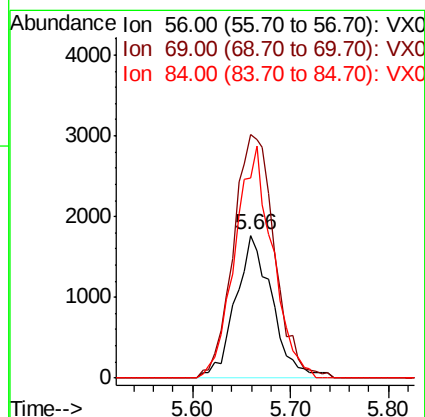
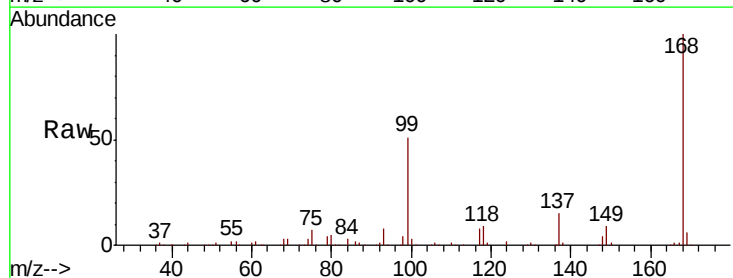
Instrument :
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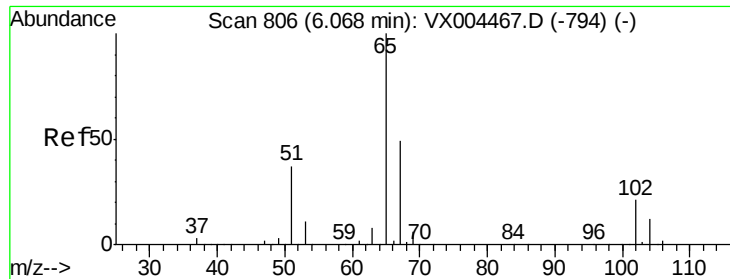
Tot Ion: 83 Resp: 3407
Ion Ratio Lower Upper
83 100
85 61.3 52.6 79.0



#31
Cyclohexane
Concen: 0.93 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004520.D
Acq: 13 Sep 2018 17:01

Tgt Ion: 56 Resp: 4605
Ion Ratio Lower Upper
56 100
69 170.8 25.4 38.2#
84 140.1 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 53.45 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004520.D

Acq: 13 Sep 2018 17:01

Instrument :

MSVOA_X

ClientSampleId :

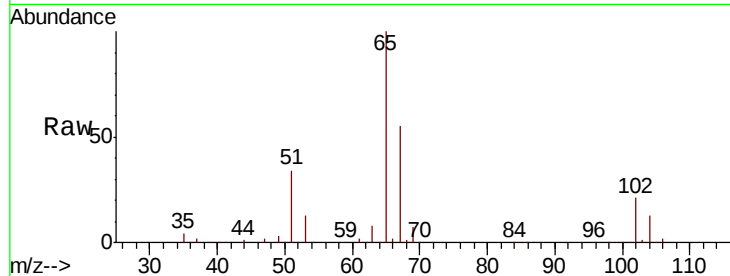
C-MW-05-091118

Tot Ion: 65 Resp: 182634

Ion Ratio Lower Upper

65 100

67 55.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

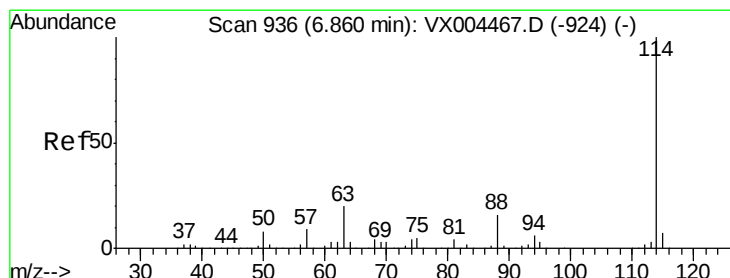
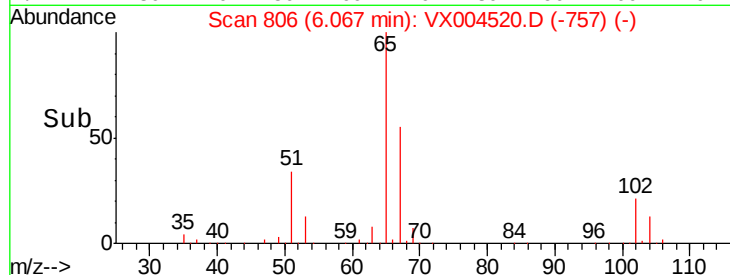
40000

20000

0

Time-->

5.90 6.00 6.10 6.20 6.30



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004520.D

Acq: 13 Sep 2018 17:01

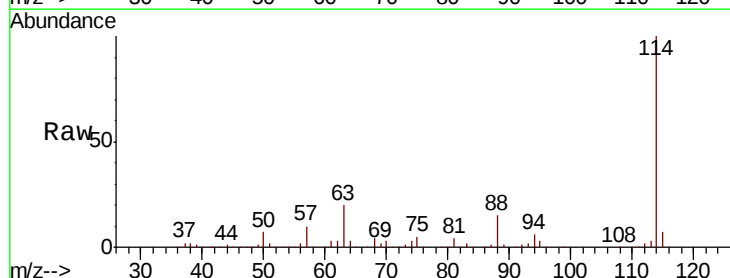
Tgt Ion: 114 Resp: 363722

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

88 15.2 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

6.86

200000

150000

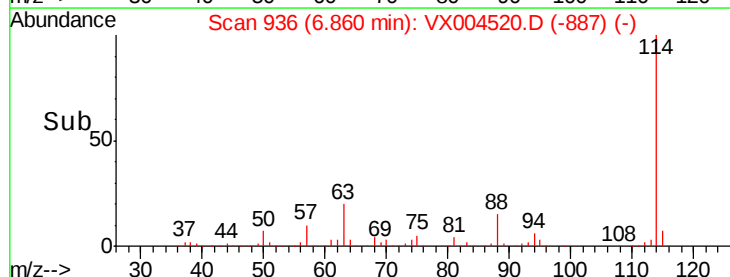
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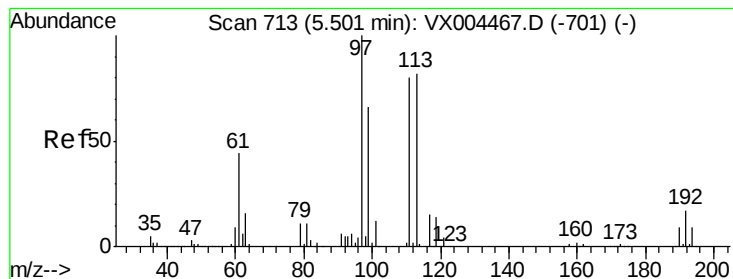
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 49.39 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004520.D

Acq: 13 Sep 2018 17:01

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C-MW-05-091118

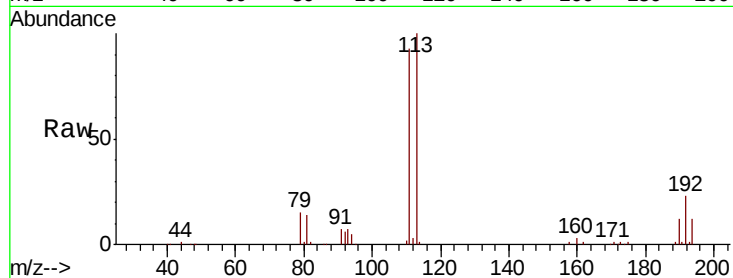
Tot Ion:113 Resp: 164391

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

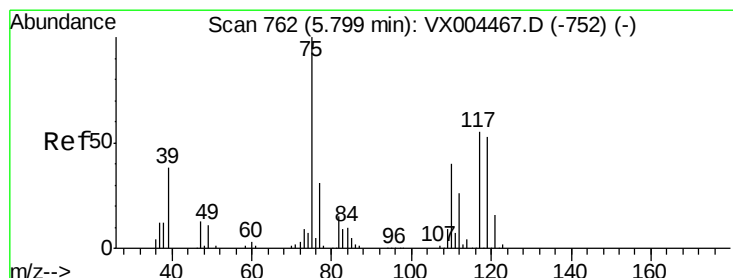
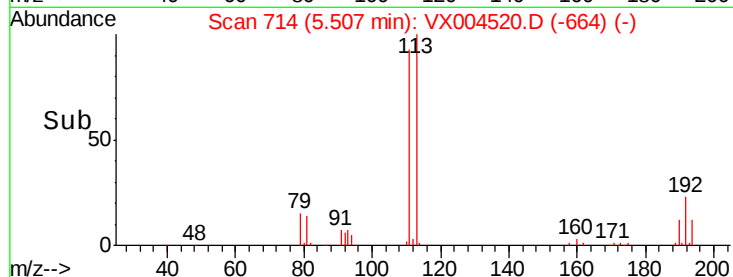
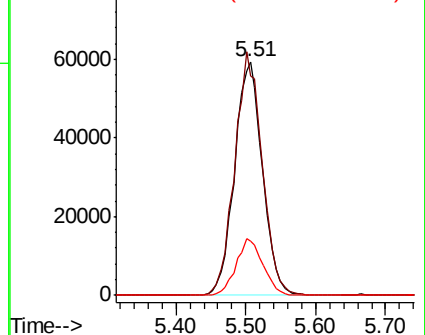
192 23.4 19.4 29.2



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: 4.01 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004520.D

Acq: 13 Sep 2018 17:01

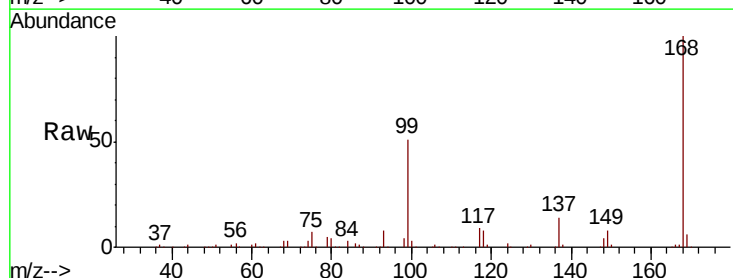
Tgt Ion: 75 Resp: 17719

Ion Ratio Lower Upper

75 100

110 8.0 18.0 54.0#

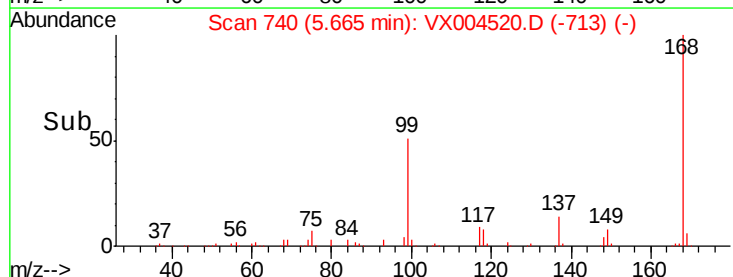
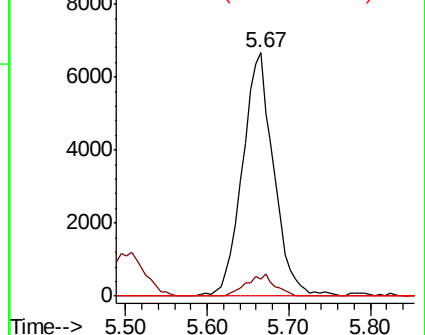
77 0.0 24.6 36.8#

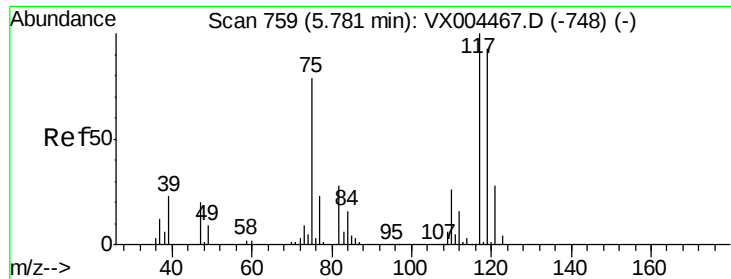


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.45 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004520.D

Acq: 13 Sep 2018 17:01

Instrument :

MSVOA_X

ClientSampleId :

C-MW-05-091118

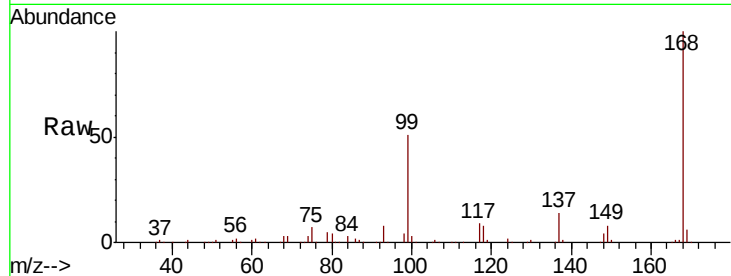
Tot Ion:117 Resp: 23524

Ion Ratio Lower Upper

117 100

119 6.1 78.8 118.2#

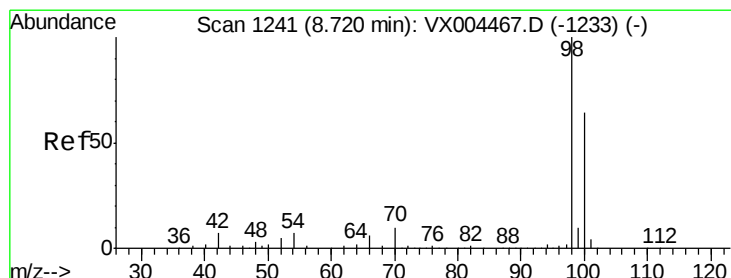
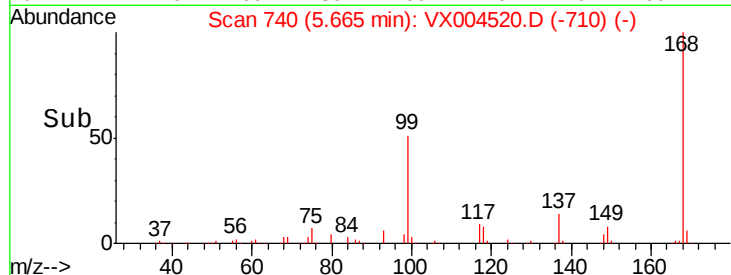
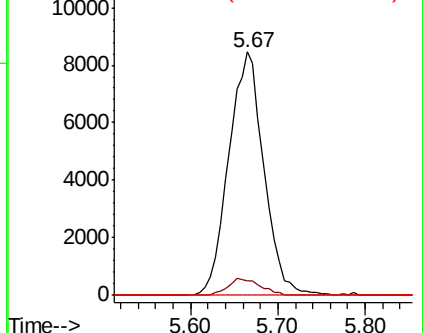
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.29 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004520.D

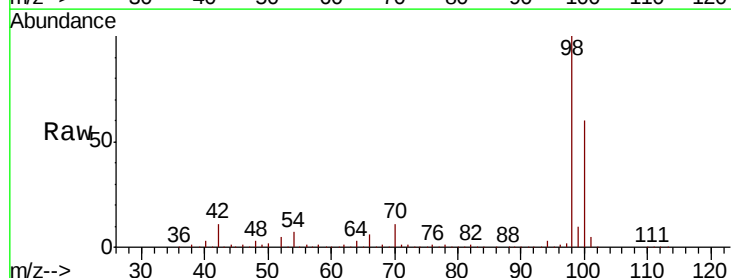
Acq: 13 Sep 2018 17:01

Tgt Ion: 98 Resp: 550116

Ion Ratio Lower Upper

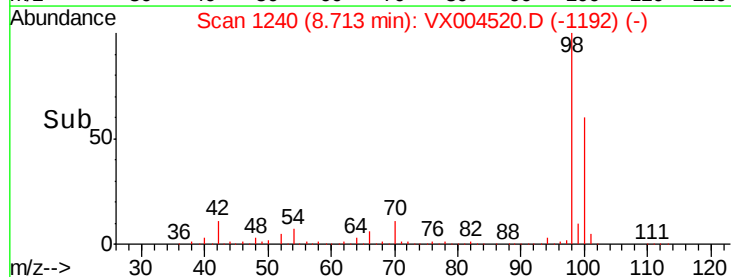
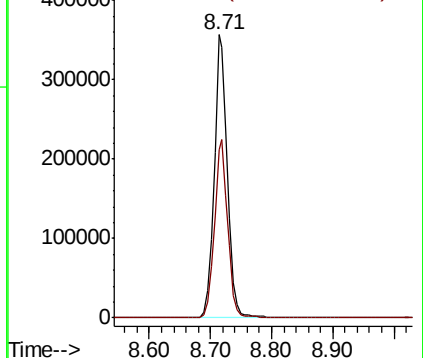
98 100

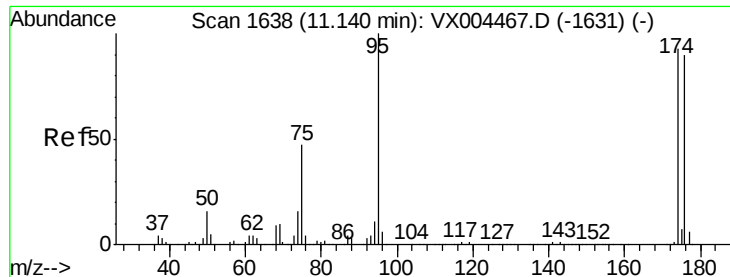
100 63.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

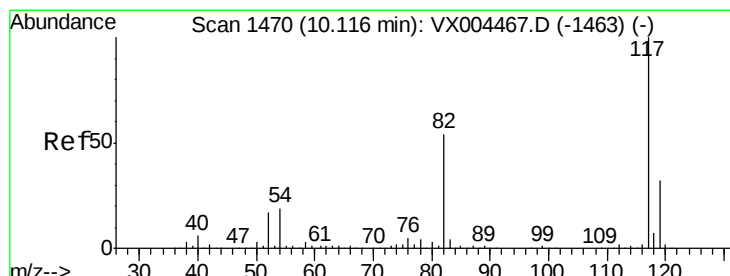
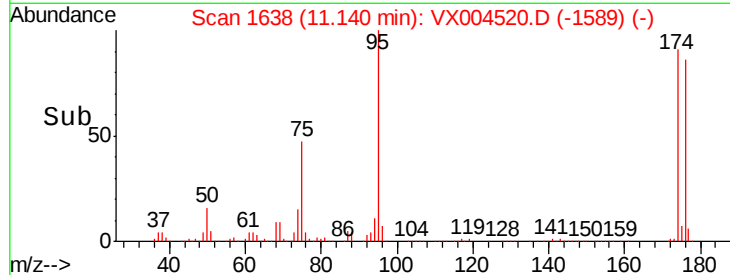
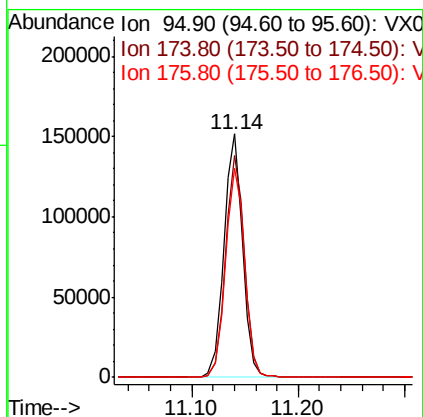
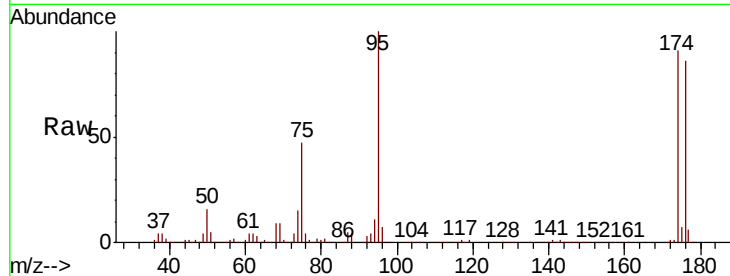




#62
4-Bromofluorobenzene
Concen: 46.62 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004520.D
Acq: 13 Sep 2018 17:01

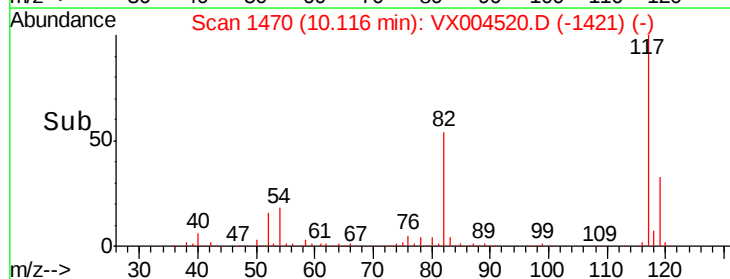
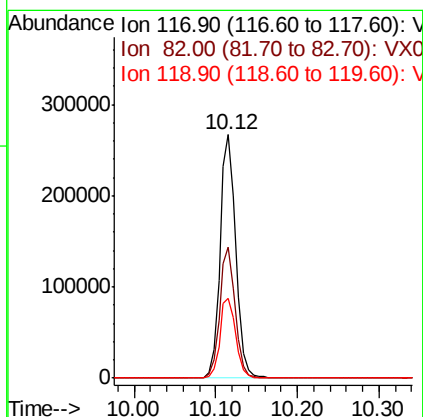
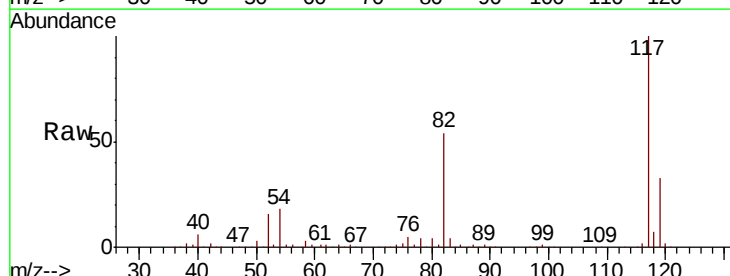
Instrument :
MSVOA_X
ClientSampleId :
C-MW-05-091118

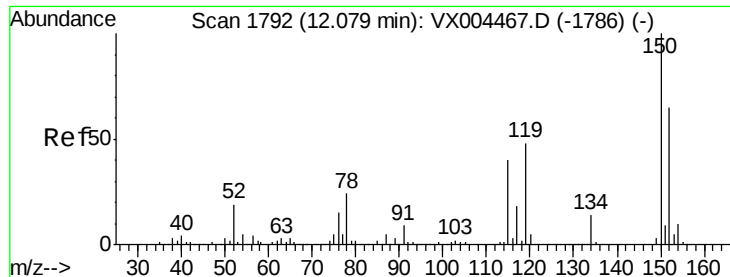
Tot Ion: 95 Resp: 185756
Ion Ratio Lower Upper
95 100
174 92.6 0.0 185.2
176 88.6 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004520.D
Acq: 13 Sep 2018 17:01

Tgt Ion: 117 Resp: 358856
Ion Ratio Lower Upper
117 100
82 54.0 47.8 71.6
119 32.8 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004520.D

Acq: 13 Sep 2018 17:01

Instrument :

MSVOA_X

ClientSampleId :

C-MW-05-091118

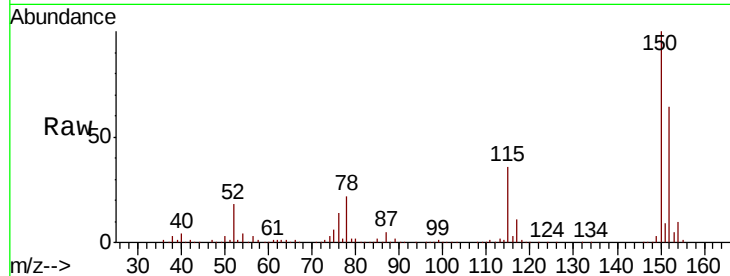
Tot Ion:152 Resp: 194939

Ion Ratio Lower Upper

152 100

115 55.0 39.0 117.0

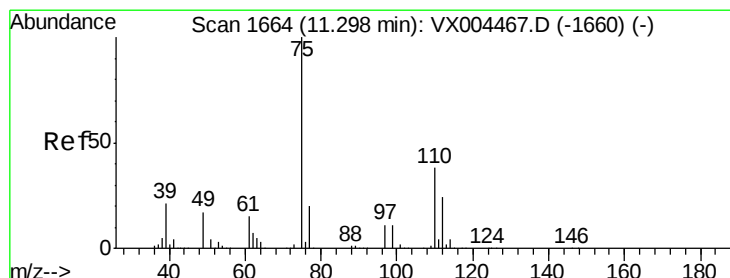
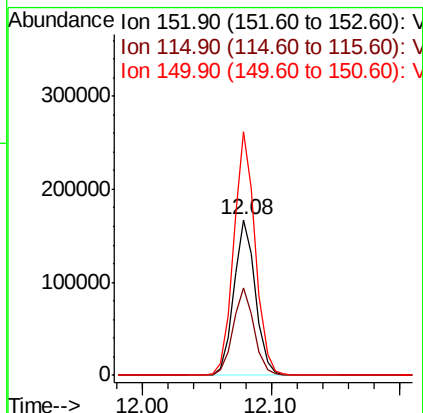
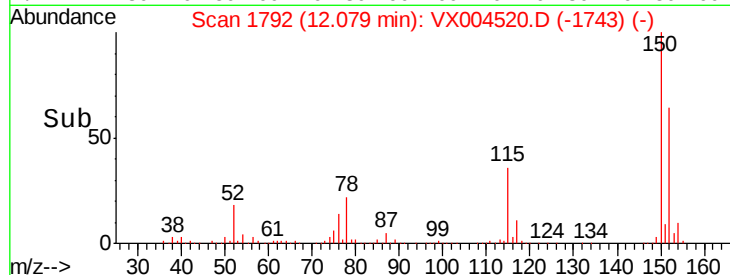
150 155.9 0.0 351.0



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: 22.28 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004520.D

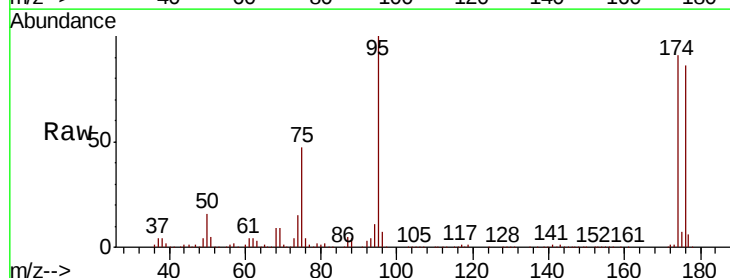
Acq: 13 Sep 2018 17:01

Tgt Ion: 75 Resp: 87376

Ion Ratio Lower Upper

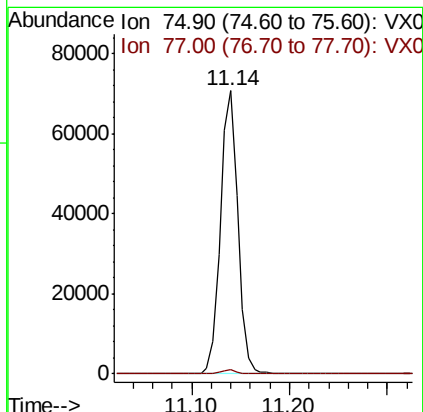
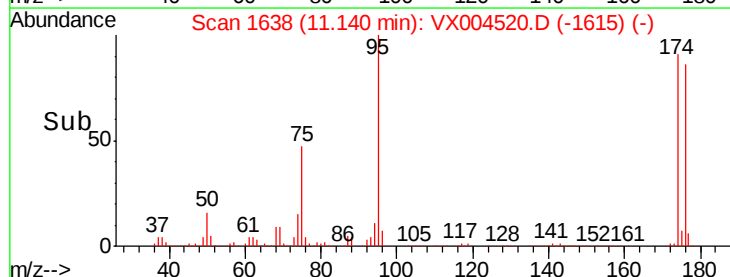
75 100

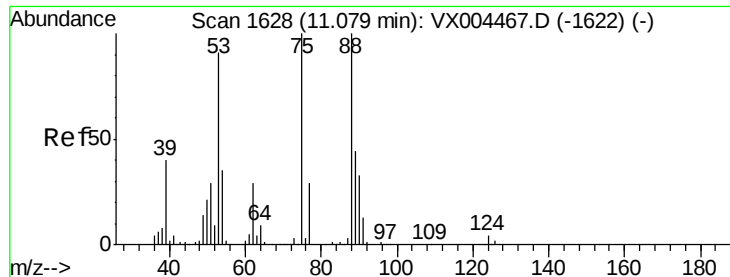
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.01 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004520.D

Acq: 13 Sep 2018 17:01

Instrument :

MSVOA_X

ClientSampleId :

C-MW-05-091118

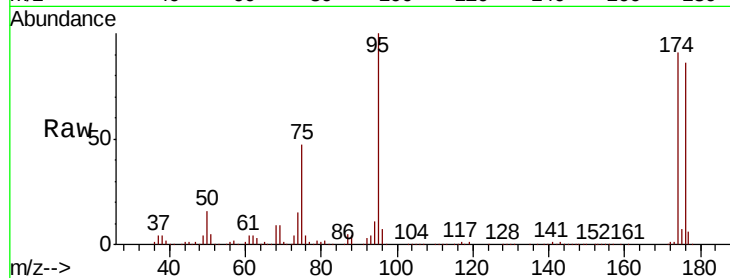
Tot Ion: 75 Resp: 87376

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

