

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
 Data File : VX004782.D
 Acq On : 27 Sep 2018 18:50
 Operator : JC/MD
 Sample : J5048-03 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

Quant Time: Sep 28 13:17:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372619	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223061	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	169875	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
35) Dibromofluoromethane	5.50	113	142628	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
50) Toluene-d8	8.72	98	549983	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	11.14	95	215140	56.88	ug/l	0.00
Spiked Amount			Recovery	=	113.76%	

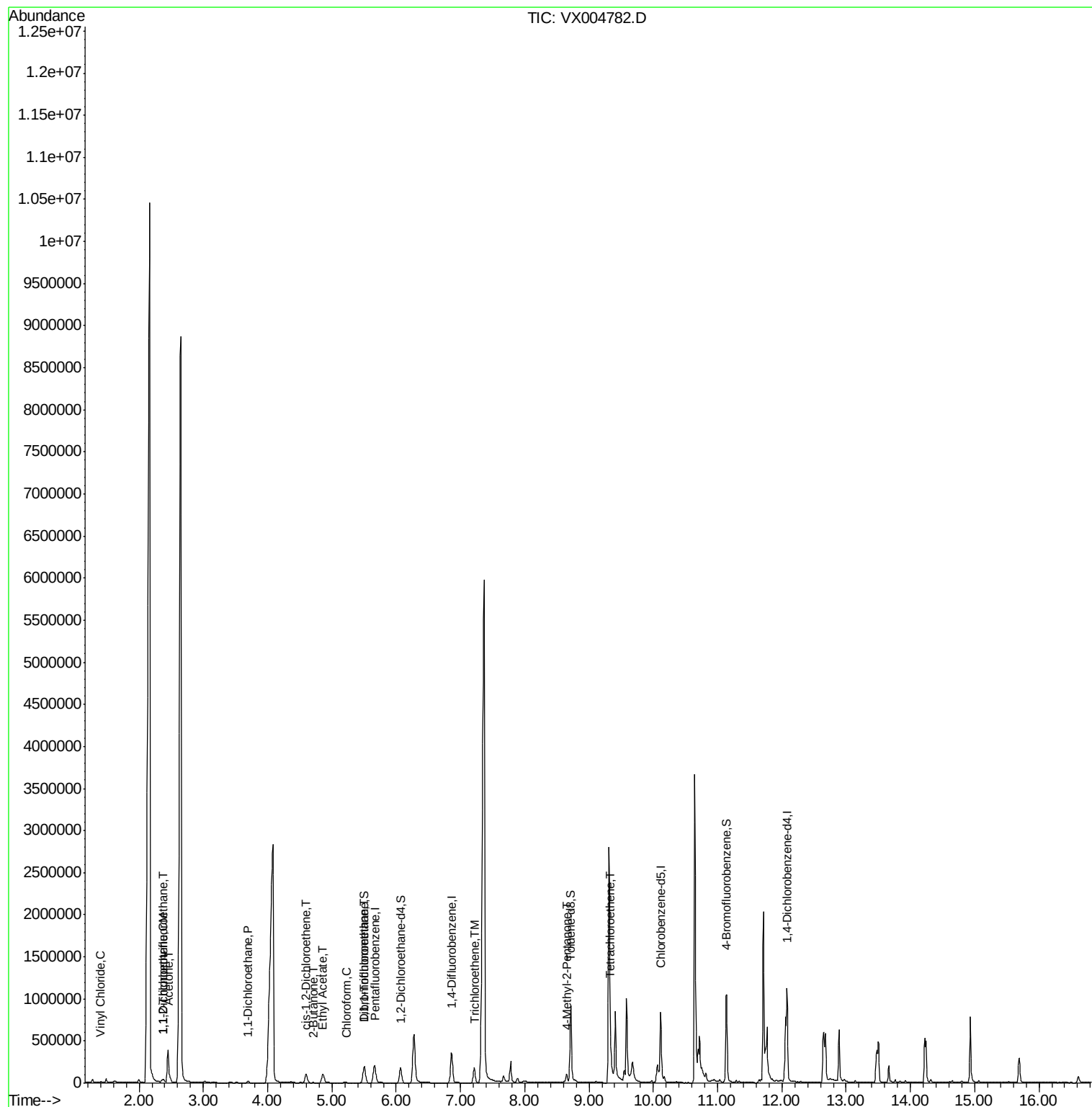
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3998	1.138	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	11343	4.577	ug/l	97
12) 1,1-Dichloroethene	2.37	96	2566	1.046	ug/l #	68
16) Acetone	2.45	43	427738	226.436	ug/l	95
24) 1,1-Dichloroethane	3.69	63	18233	3.390	ug/l	97
25) 2-Butanone	4.71	43	6451	2.317	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	66987	22.319	ug/l	97
30) Chloroform	5.23	83	3266	0.642	ug/l	86
32) 1,1,1-Trichloroethane	5.49	97	27532	6.632	ug/l	99
37) Ethyl Acetate	4.86	43	189829	33.191	ug/l	98
44) Trichloroethene	7.21	130	72060	21.731	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	63859	12.286	ug/l	94
64) Tetrachloroethene	9.34	164	57879	15.723	ug/l	97

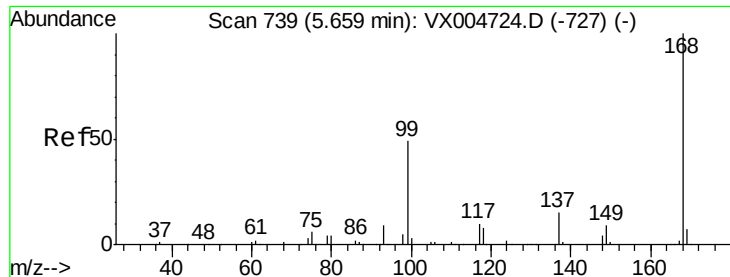
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

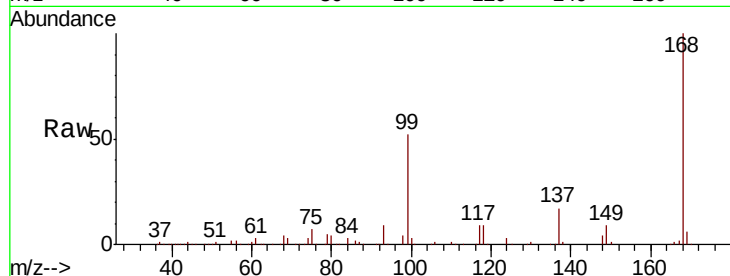
MW-57-SEP18

Tot Ion:168 Resp: 226503

Ion Ratio Lower Upper

168 100

99 51.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

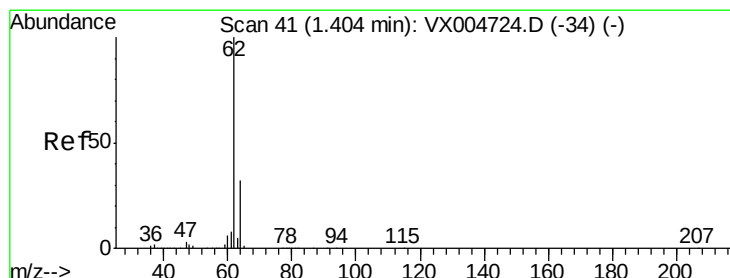
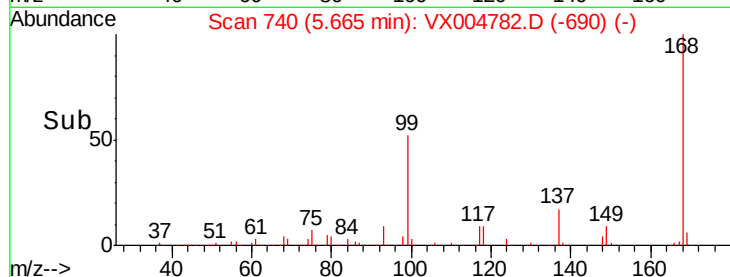
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#4

Vinyl Chloride

Concen: 1.138 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004782.D

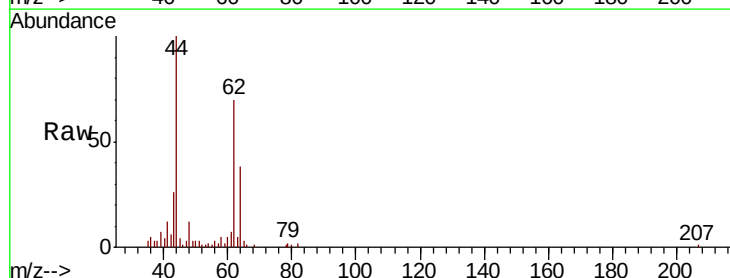
Acq: 27 Sep 2018 18:50

Tgt Ion: 62 Resp: 3998

Ion Ratio Lower Upper

62 100

64 32.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

4000

3000

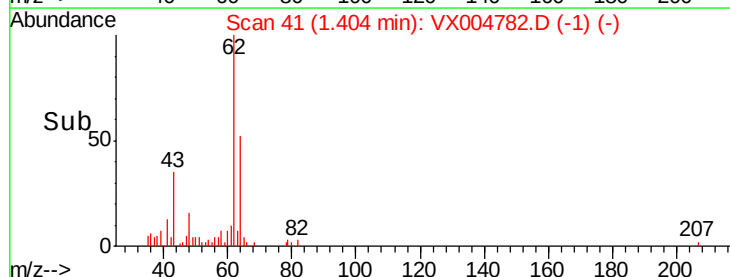
2000

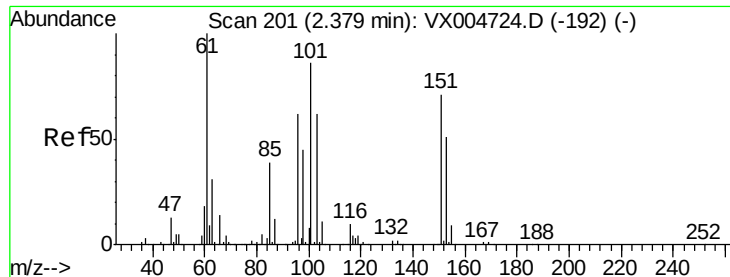
1000

0

Time-->

1.35 1.40 1.45 1.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.577 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW-57-SEP18

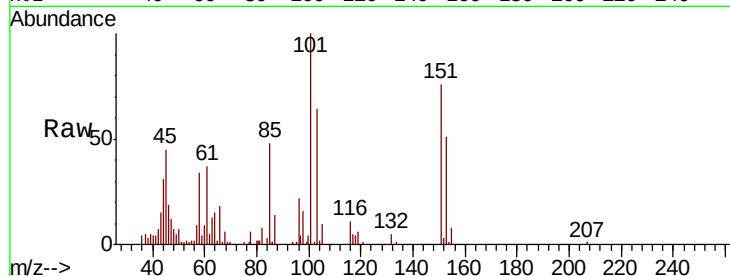
Tot Ion:101 Resp: 11343

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.4

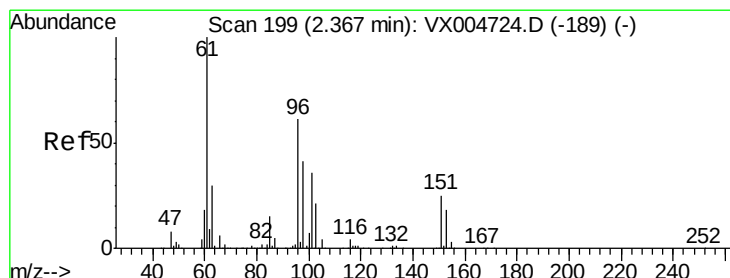
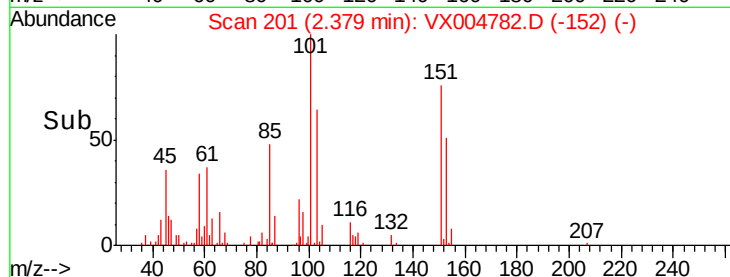
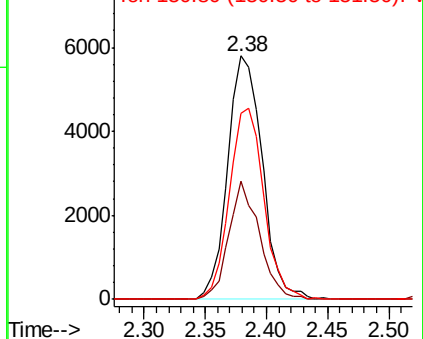
151 77.9 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1.046 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

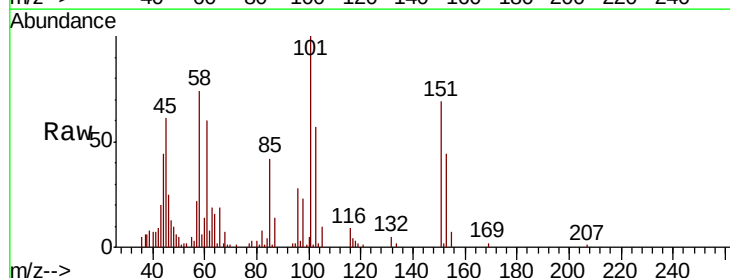
Tgt Ion: 96 Resp: 2566

Ion Ratio Lower Upper

96 100

61 209.8 128.8 193.2#

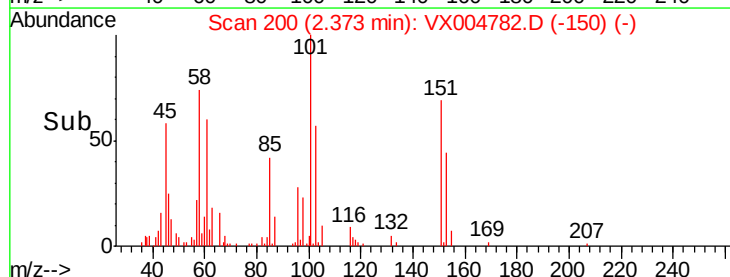
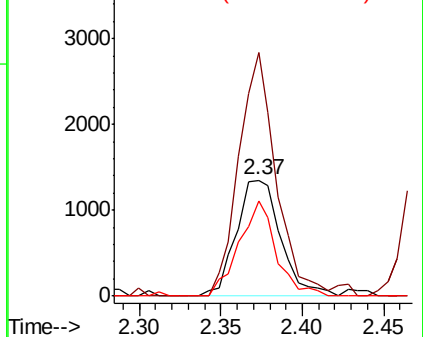
98 81.7 52.2 78.2#

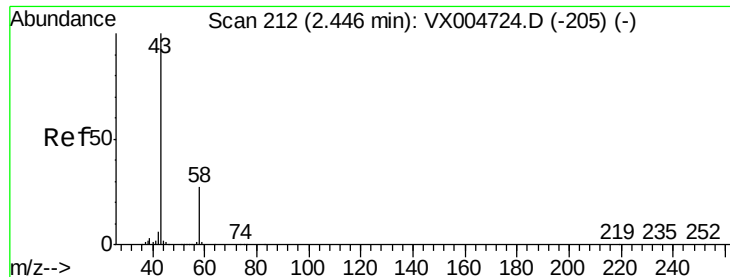


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#16

Acetone

Concen: 226.436 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

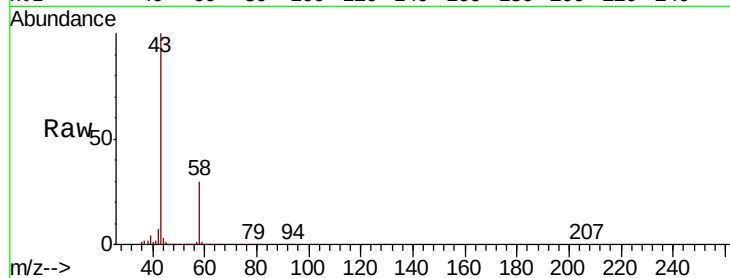
MW-57-SEP18

Tot Ion: 43 Resp: 427738

Ion Ratio Lower Upper

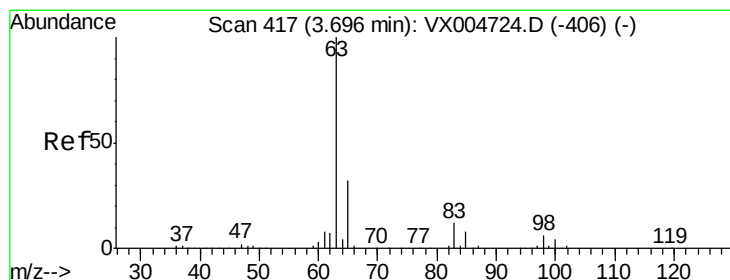
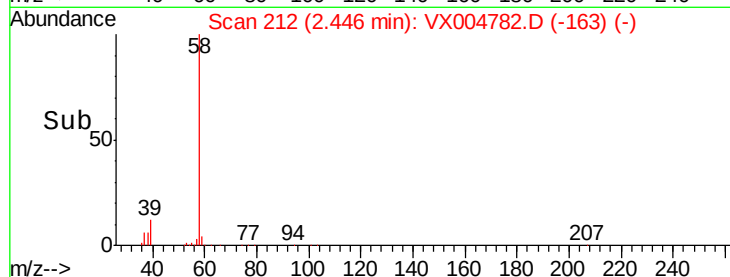
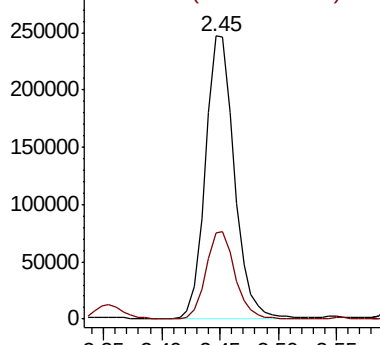
43 100

58 30.2 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#24

1,1-Dichloroethane

Concen: 3.390 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

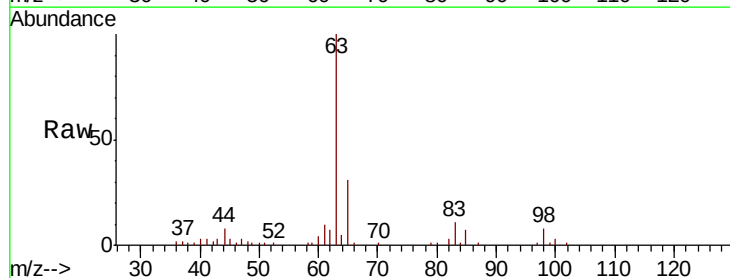
Tgt Ion: 63 Resp: 18233

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

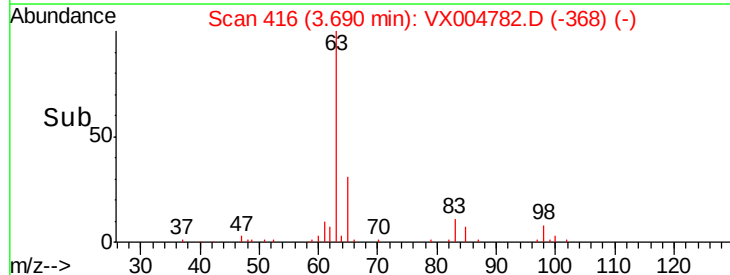
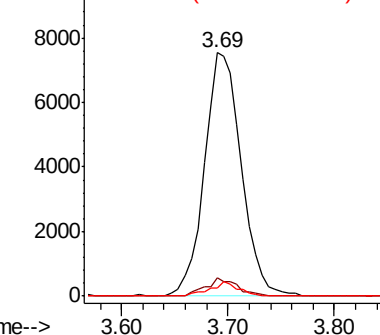
100 3.5 2.4 7.1

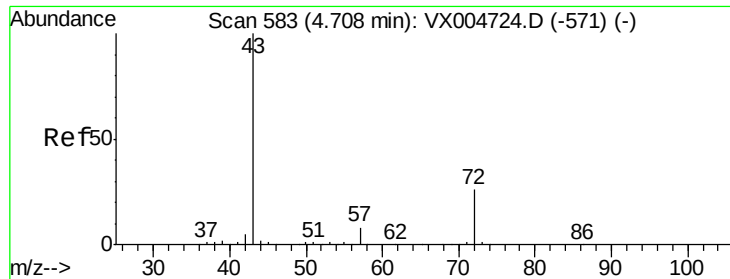


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

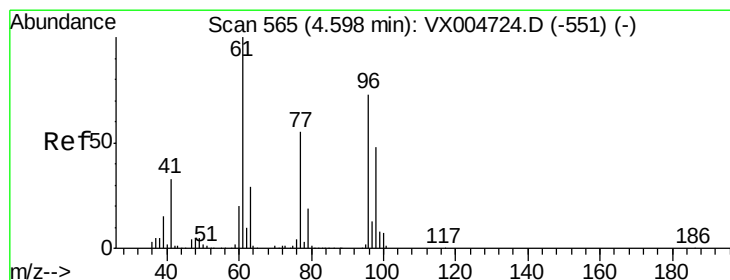
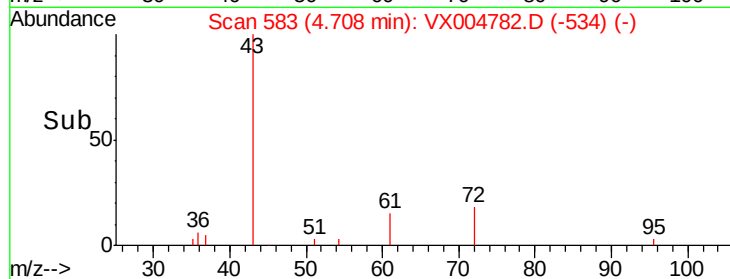
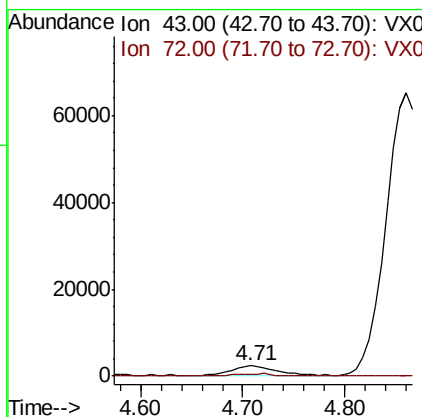
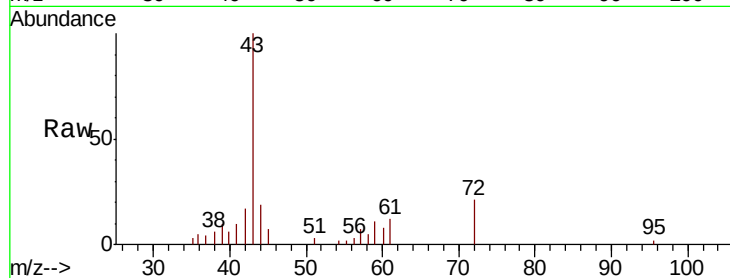




#25
 2-Butanone
 Concen: 2.317 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

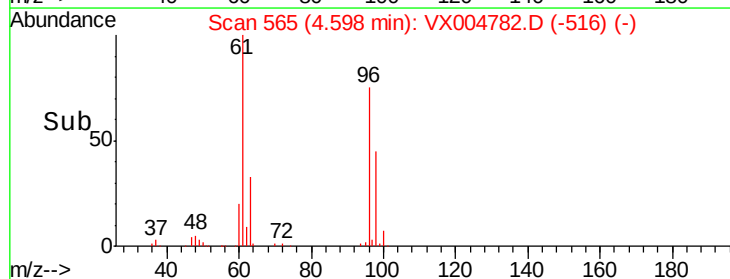
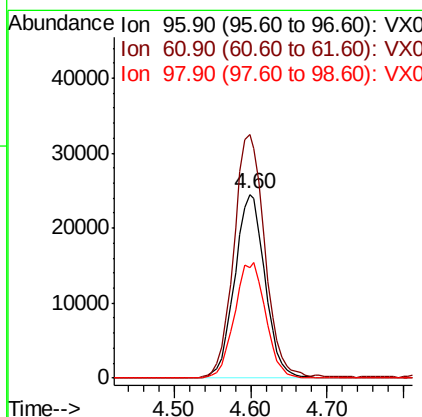
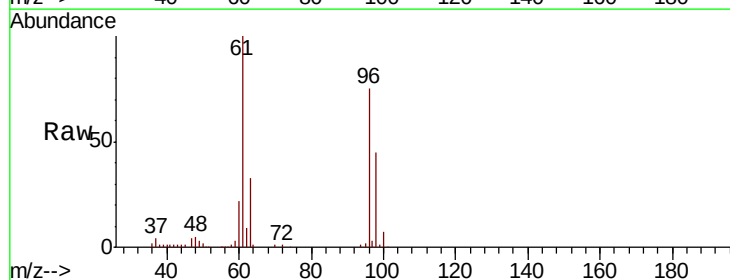
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

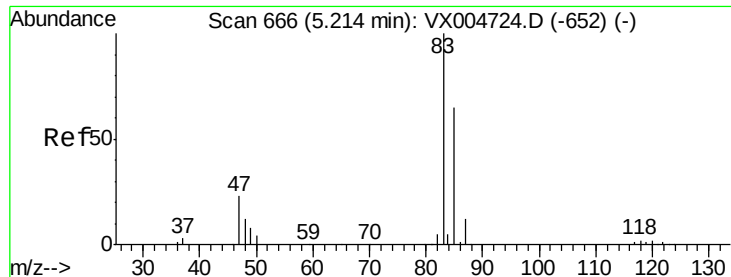
Tot Ion: 43 Resp: 6451
 Ion Ratio Lower Upper
 43 100
 72 22.3 22.0 33.0



#27
 cis-1,2-Dichloroethene
 Concen: 22.319 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Tgt Ion: 96 Resp: 66987
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 282.6
 98 64.7 0.0 130.2





#30

Chloroform

Concen: 0.642 ug/l

RT: 5.23 min Scan# 668

Delta R.T. 0.01 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

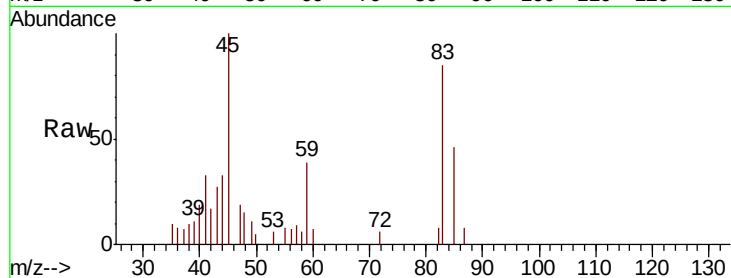
MW-57-SEP18

Tot Ion: 83 Resp: 3266

Ion Ratio Lower Upper

83 100

85 54.6 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.23

1200

1000

800

600

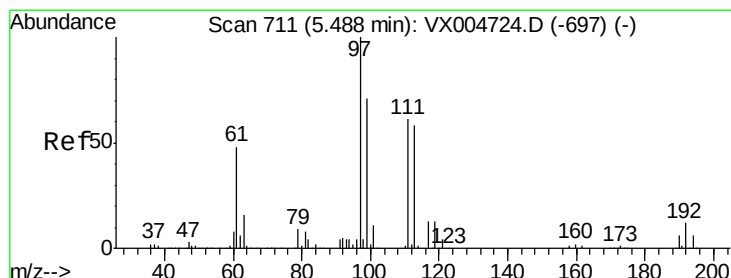
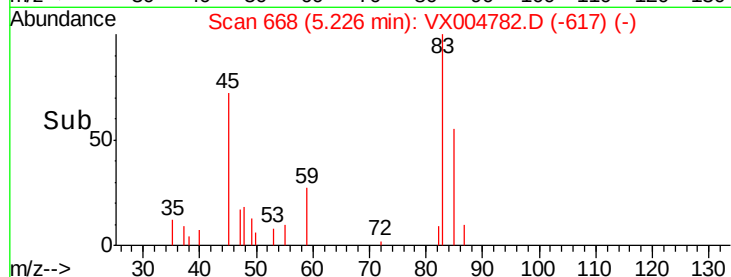
400

200

0

Time-->

5.10 5.15 5.20 5.25 5.30



#32

1,1,1-Trichloroethane

Concen: 6.632 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

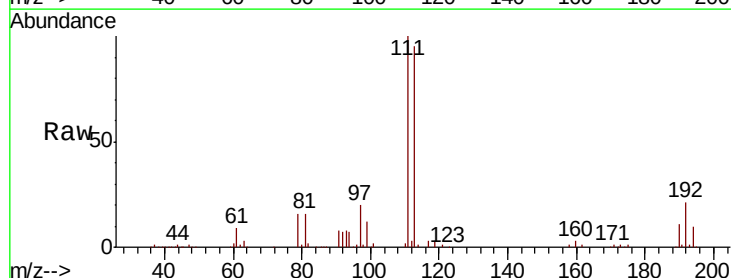
Tgt Ion: 97 Resp: 27532

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

61 44.6 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

50000

40000

30000

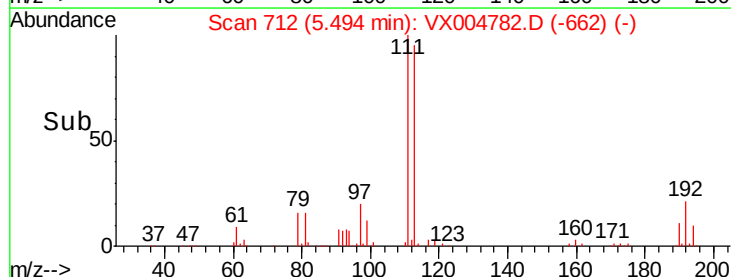
20000

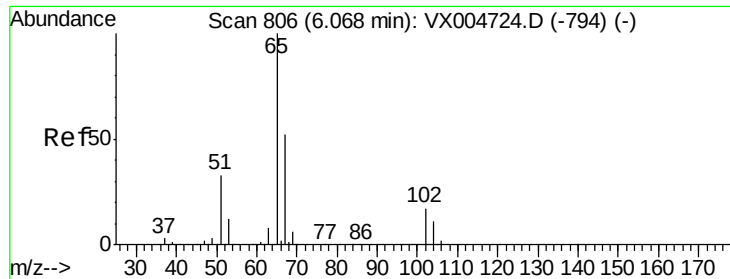
10000

0

Time-->

5.40 5.50 5.60





#33

1,2-Dichloroethane-d4

Concen: 52.502 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

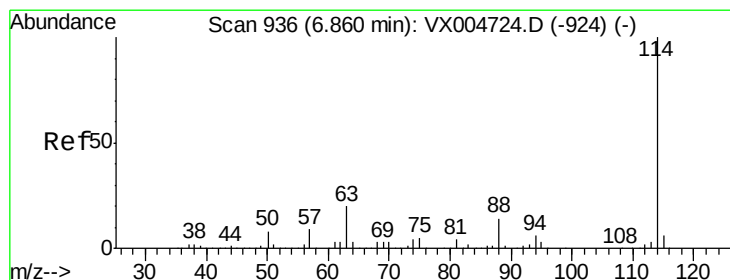
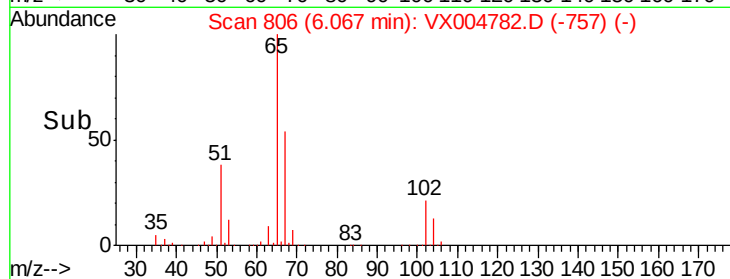
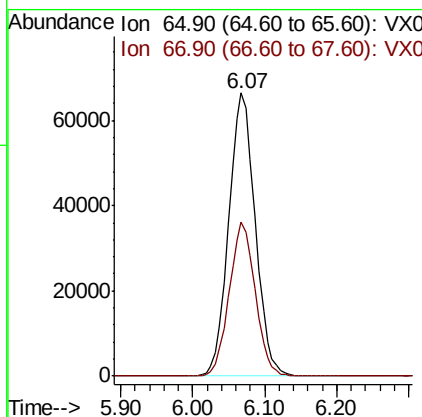
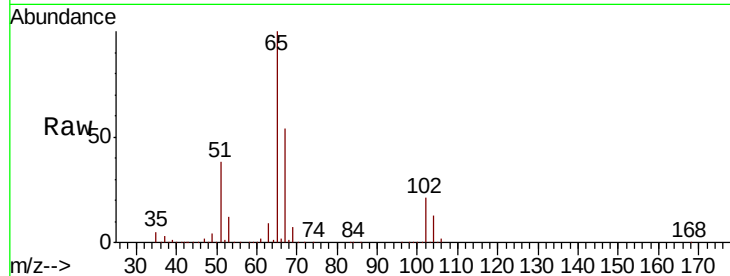
Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
MW-57-SEP18

Tot Ion: 65 Resp: 169875

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

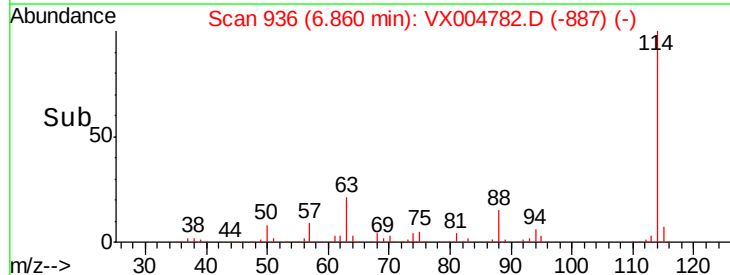
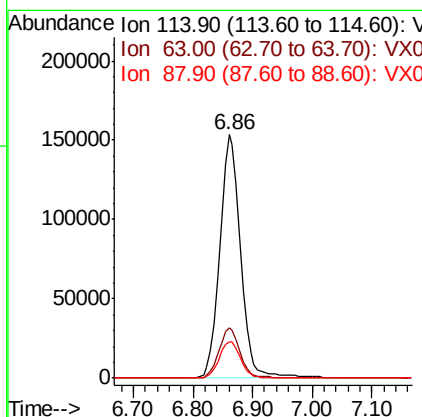
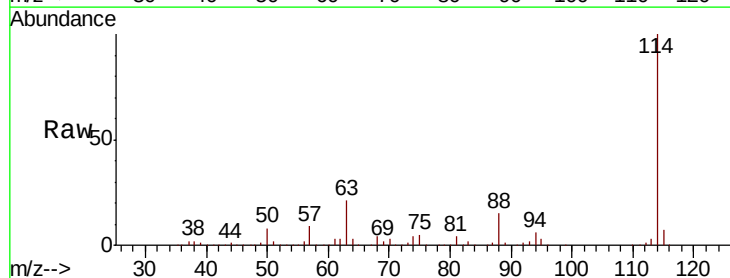
Delta R.T. -0.00 min

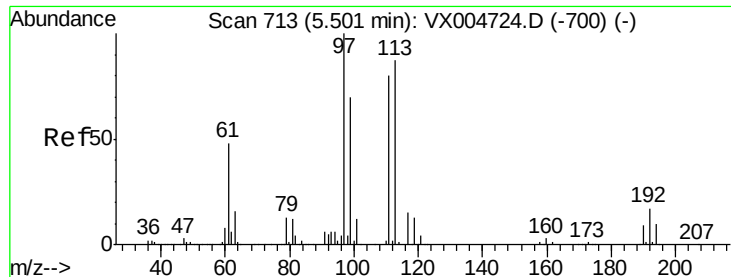
Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Tgt Ion: 114 Resp: 372619

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.0
88	15.0	0.0	30.4

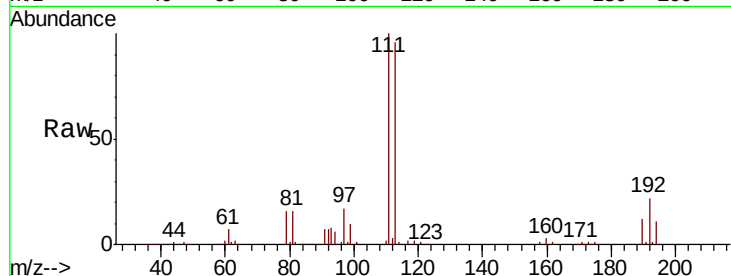




#35
Dibromofluoromethane
Concen: 45.164 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
MW-57-SEP18

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.4	123.6
192	22.9	19.4	29.2

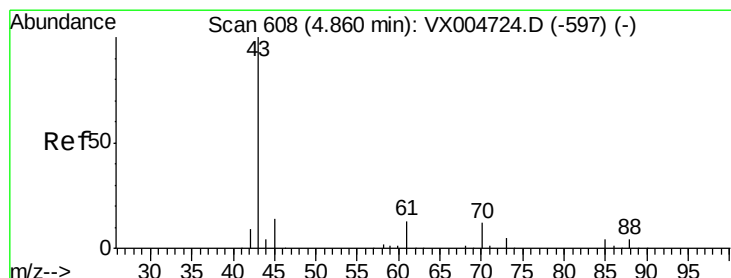
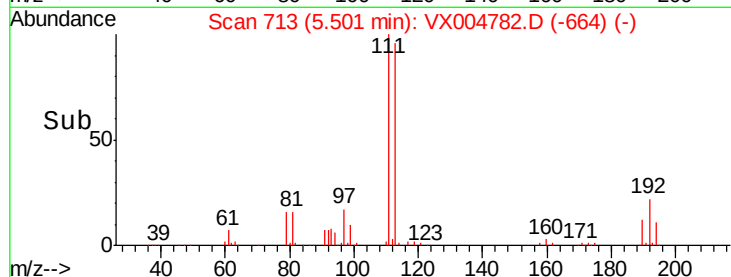
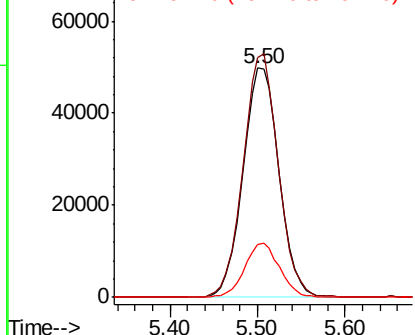


Abundance

Ion 112.80 (112.50 to 113.50): V

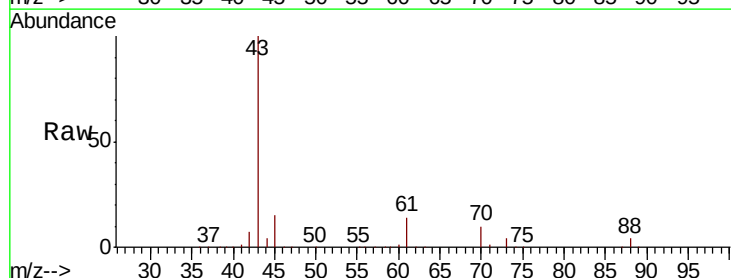
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#37
Ethyl Acetate
Concen: 33.191 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.5	17.3
70	10.2	9.0	13.6

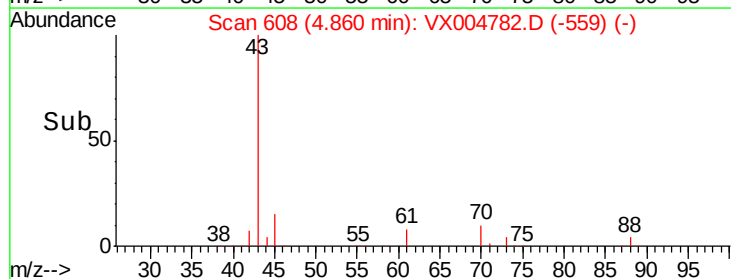
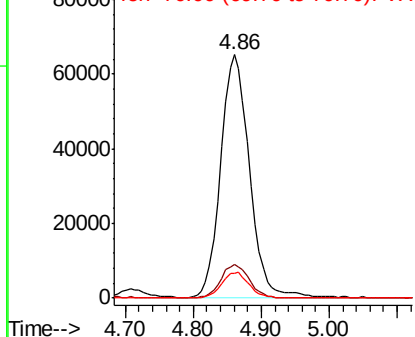


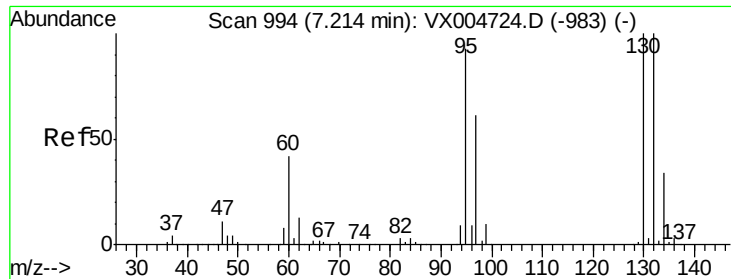
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#44

Trichloroethene

Concen: 21.731 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

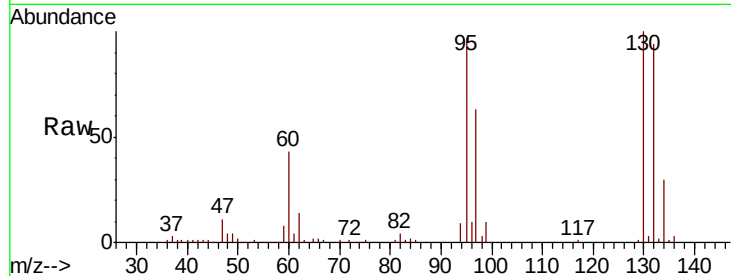
MW-57-SEP18

Tot Ion:130 Resp: 72060

Ion Ratio Lower Upper

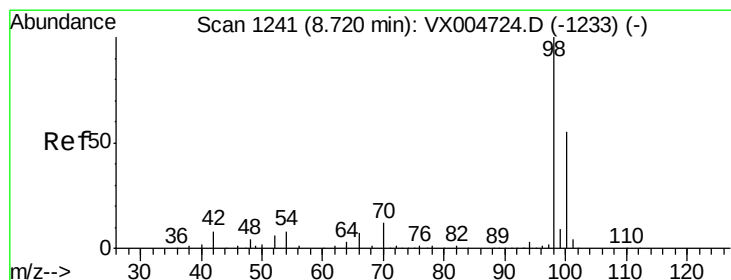
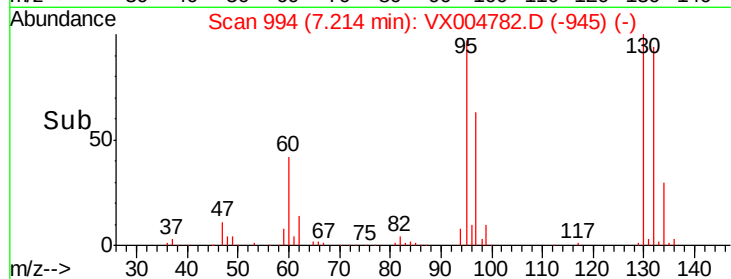
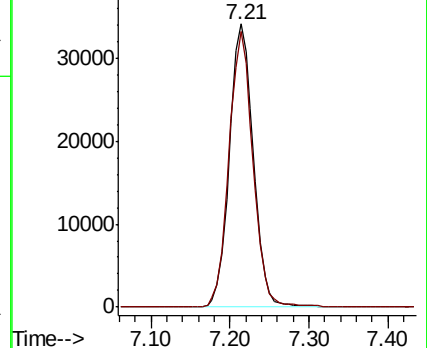
130 100

95 97.3 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.386 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004782.D

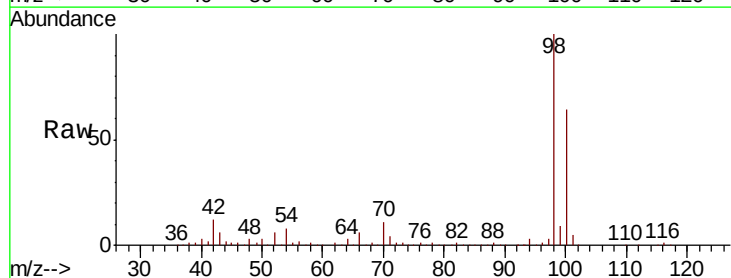
Acq: 27 Sep 2018 18:50

Tgt Ion: 98 Resp: 549983

Ion Ratio Lower Upper

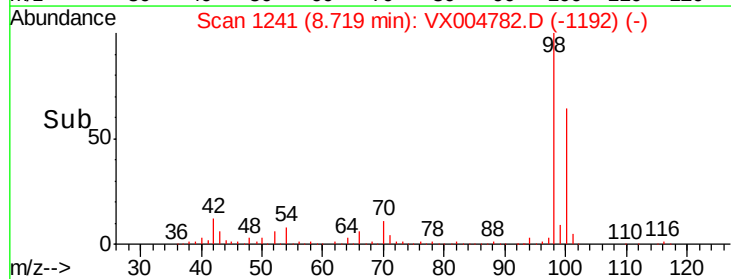
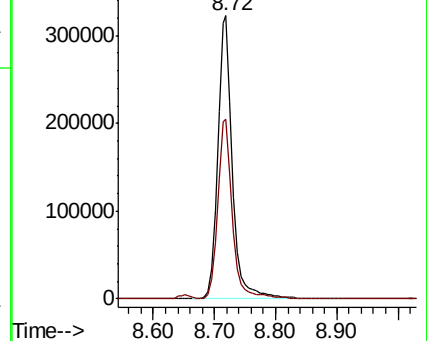
98 100

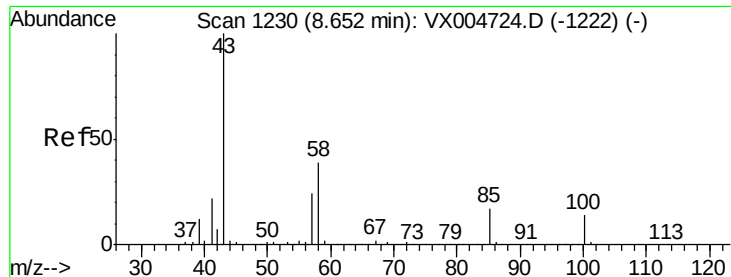
100 64.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

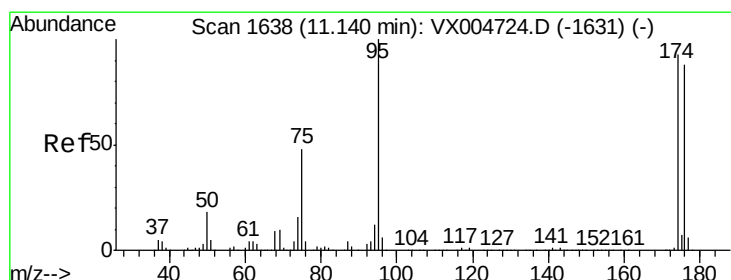
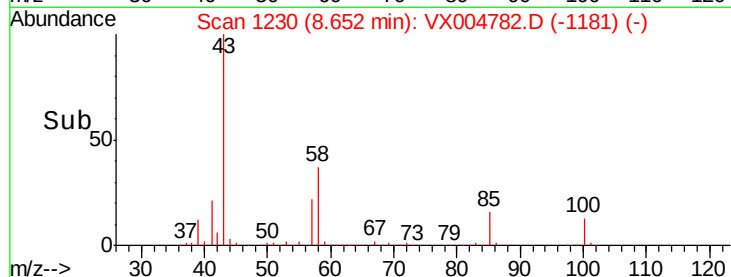
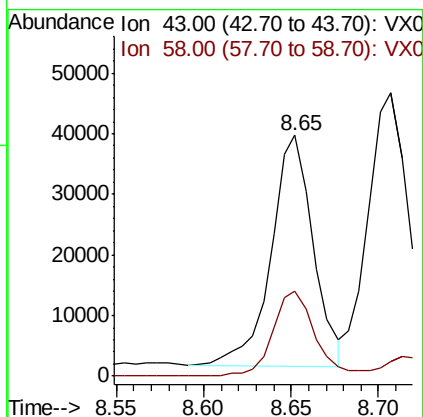
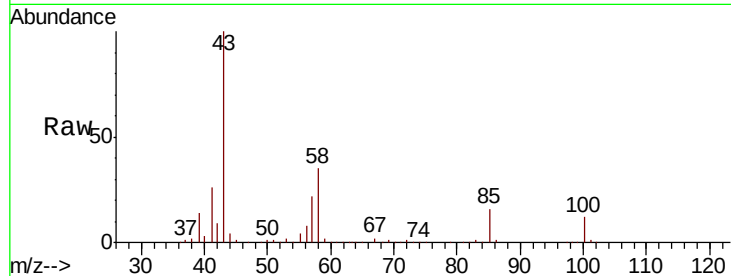




#51
 4-Methyl-2-Pentanone
 Concen: 12.286 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

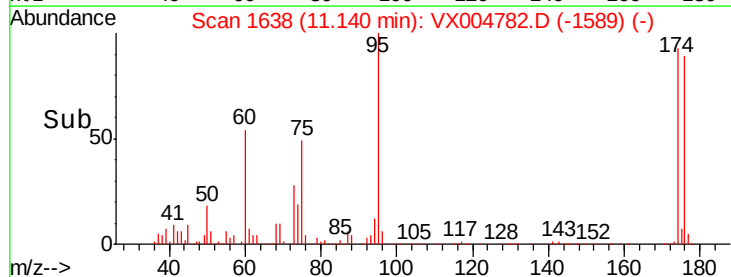
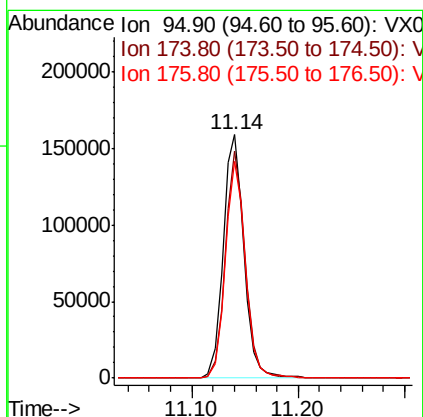
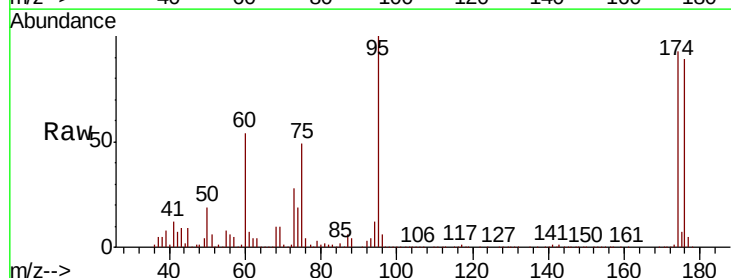
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

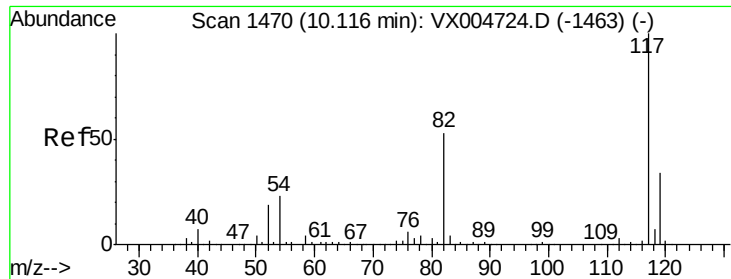
Tot Ion: 43 Resp: 63859
 Ion Ratio Lower Upper
 43 100
 58 37.5 33.1 49.7



#62
 4-Bromofluorobenzene
 Concen: 56.882 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Tgt Ion: 95 Resp: 215140
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 185.2
 176 86.9 0.0 178.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW-57-SEP18

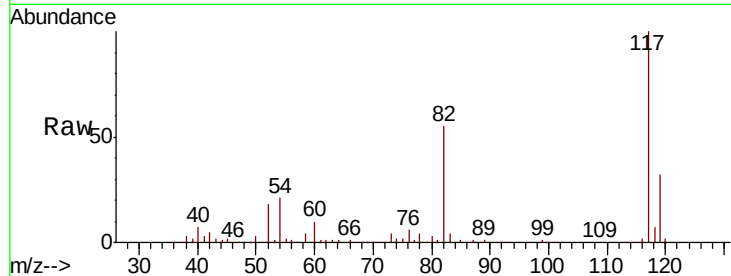
Tot Ion:117 Resp: 374020

Ion Ratio Lower Upper

117 100

82 55.4 47.8 71.6

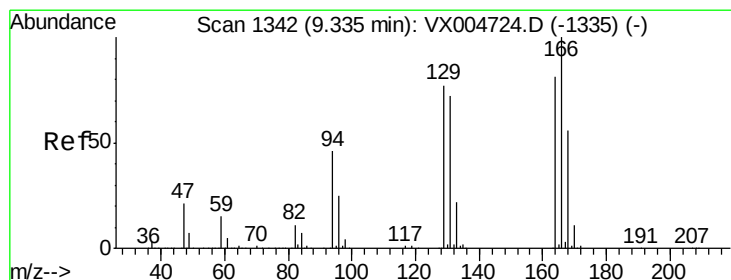
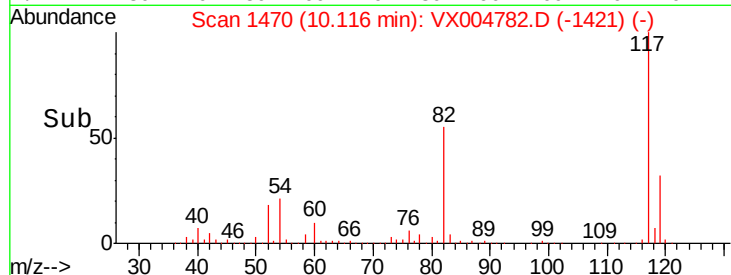
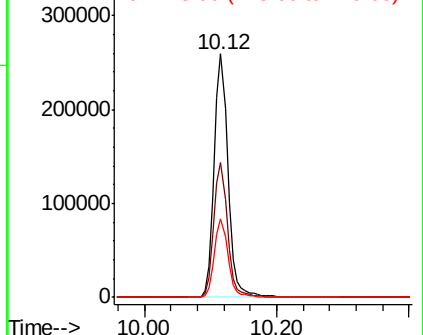
119 32.0 29.3 43.9



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



#64

Tetrachloroethene

Concen: 15.723 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Tgt Ion:164 Resp: 57879

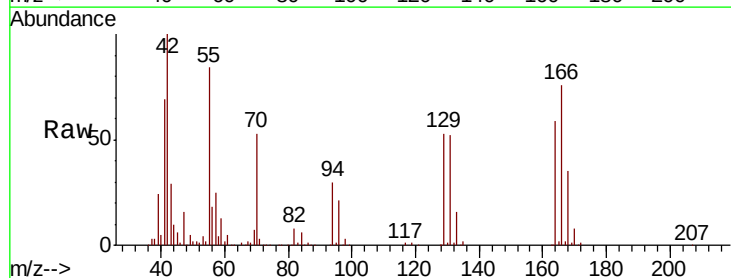
Ion Ratio Lower Upper

164 100

166 129.1 102.8 154.2

129 91.1 69.4 104.0

131 89.4 67.9 101.9

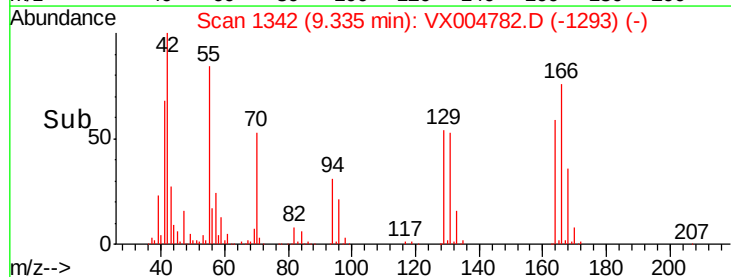
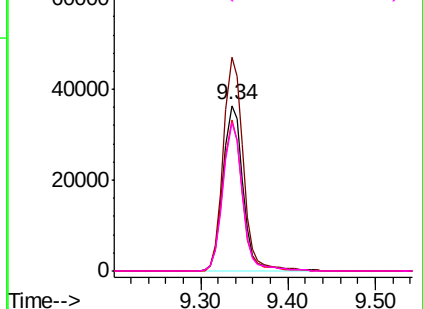


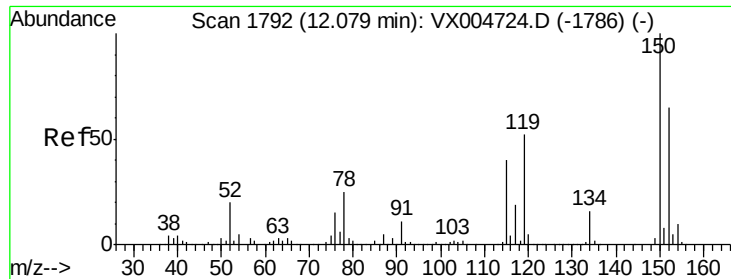
Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW-57-SEP18

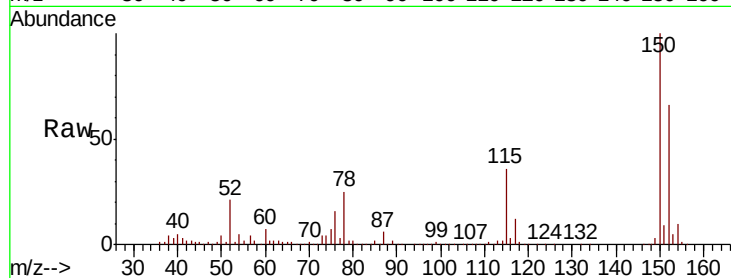
Tot Ion:152 Resp: 223061

Ion Ratio Lower Upper

152 100

115 56.0 39.0 117.0

150 155.2 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

