

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
 Data File : VX004791.D
 Acq On : 27 Sep 2018 23:44
 Operator : JC/MD
 Sample : J5048-04 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-36-SEP18

Quant Time: Sep 28 13:51:58 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	239882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	385389	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	373369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205755	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	180571	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	5.50	113	153938	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
50) Toluene-d8	8.72	98	560119	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.14	95	201677	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	

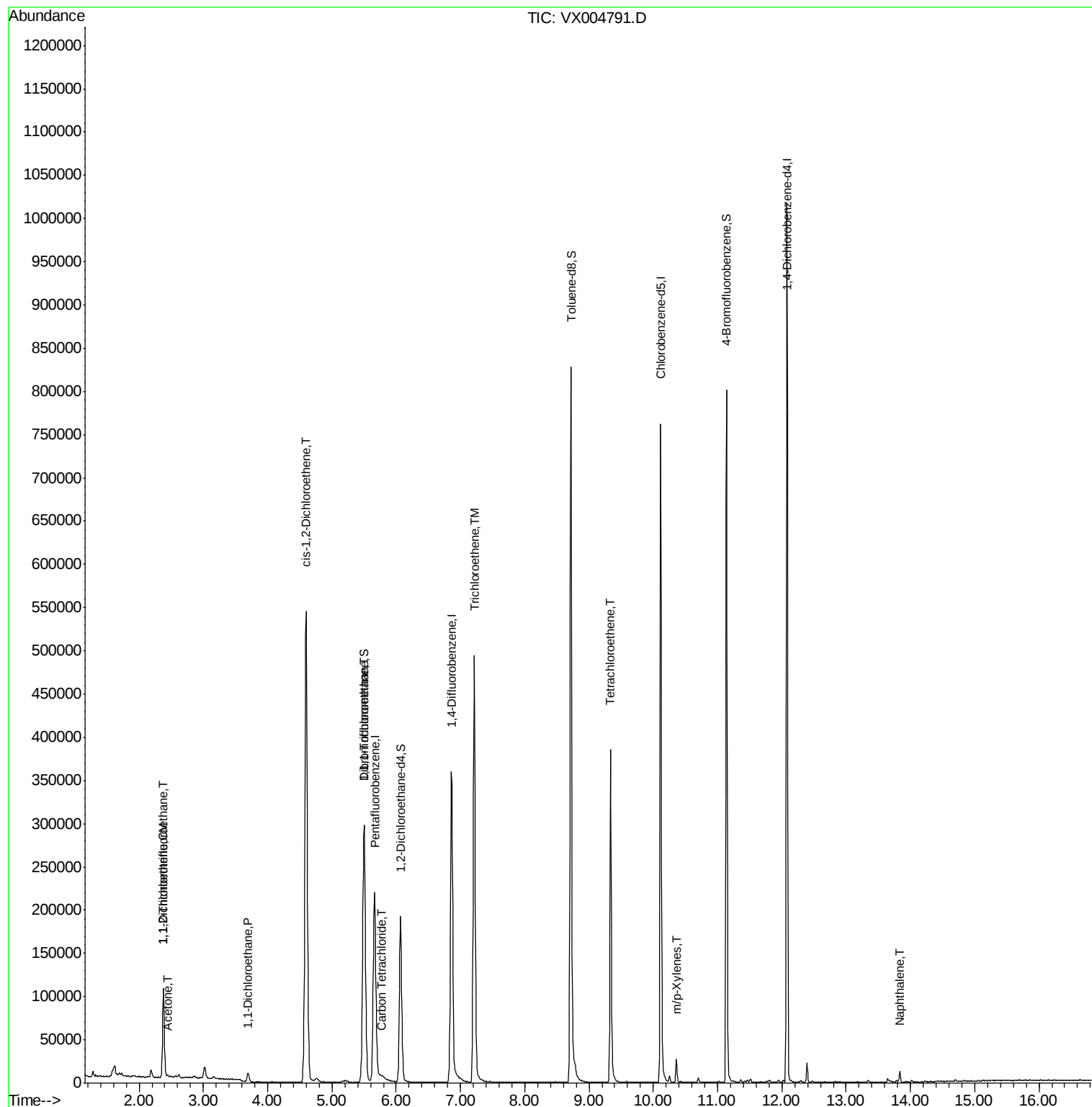
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18674	7.115	ug/l	99
12) 1,1-Dichloroethene	2.37	96	23154	8.908	ug/l	98
16) Acetone	2.45	43	2551	1.275	ug/l #	78
24) 1,1-Dichloroethane	3.70	63	10628	1.866	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	348652	109.688	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	118638	26.982	ug/l	98
38) Carbon Tetrachloride	5.78	117	2925	0.624	ug/l #	67
44) Trichloroethene	7.21	130	199143	58.064	ug/l	95
64) Tetrachloroethene	9.34	164	84772	23.069	ug/l	99
68) m/p-Xylenes	10.36	106	6214	1.046	ug/l	92
95) Naphthalene	13.83	128	7717	1.164	ug/l	98

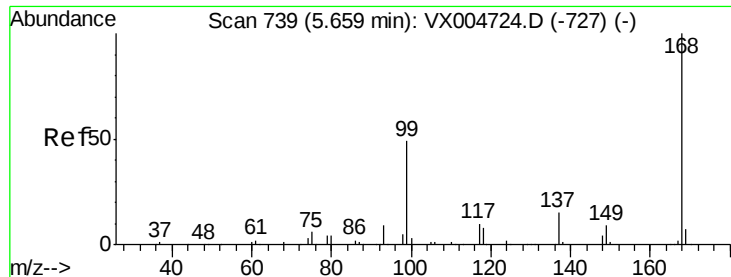
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

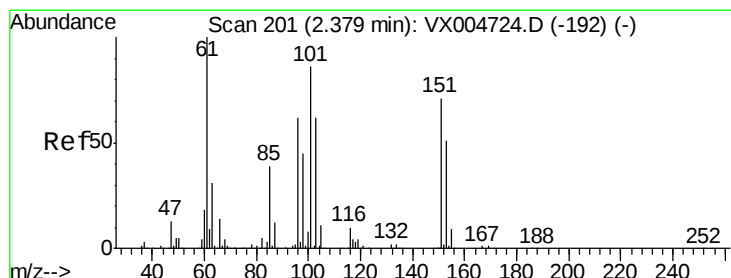
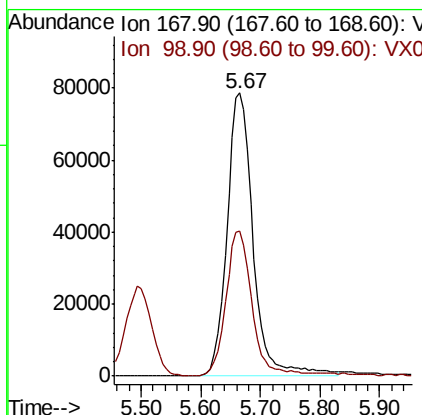
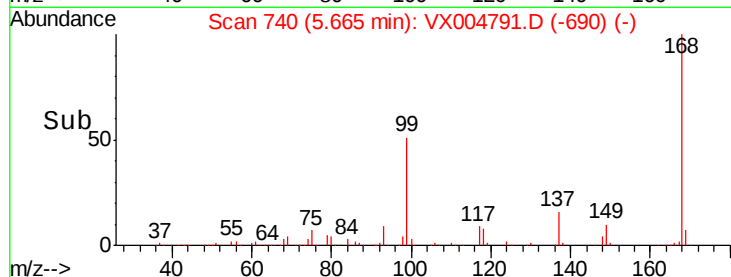
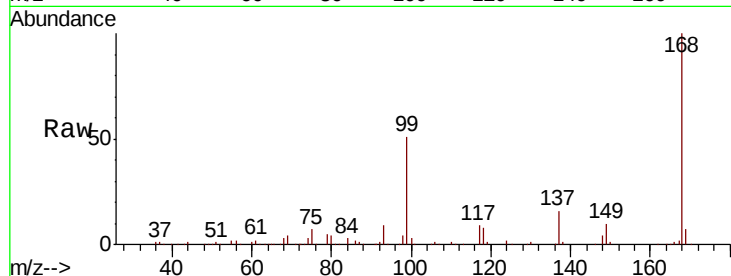
MW-36-SEP18

Tot Ion:168 Resp: 239882

Ion Ratio Lower Upper

168 100

99 50.9 39.9 59.9



#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.115 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

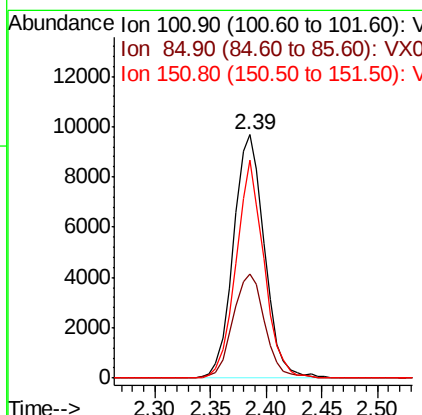
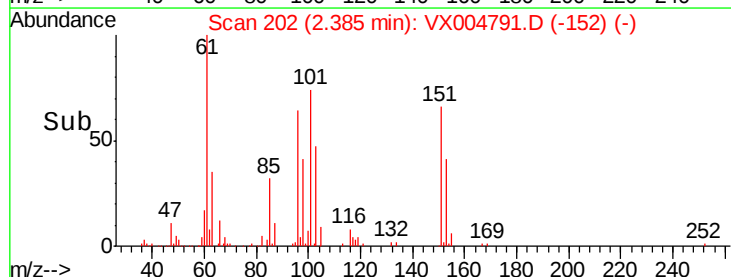
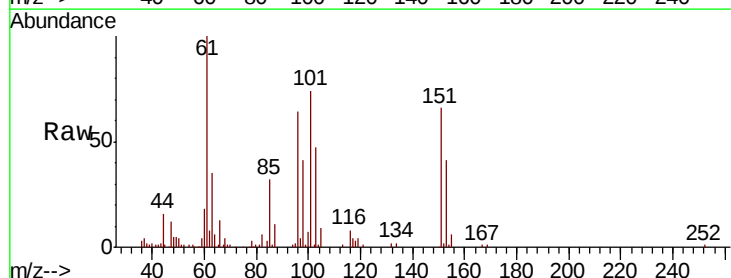
Tgt Ion:101 Resp: 18674

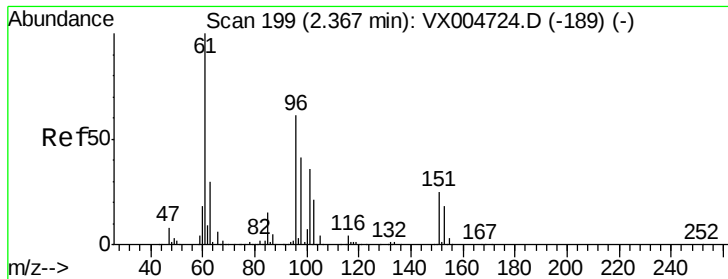
Ion Ratio Lower Upper

101 100

85 44.1 34.2 51.4

151 80.9 65.0 97.6





#12

1,1-Dichloroethene

Concen: 8.908 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

MW-36-SEP18

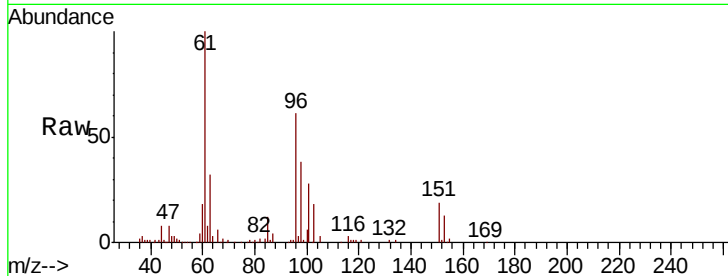
Tot Ion: 96 Resp: 23154

Ion Ratio Lower Upper

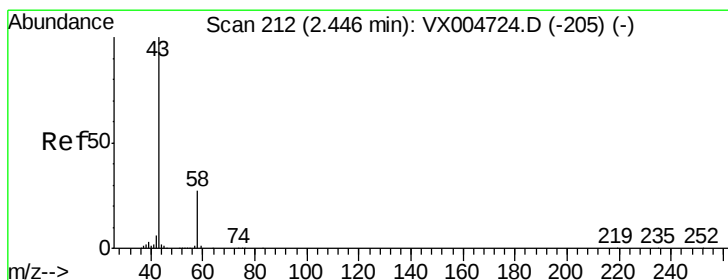
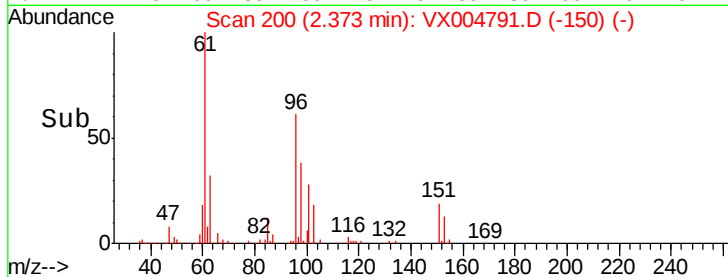
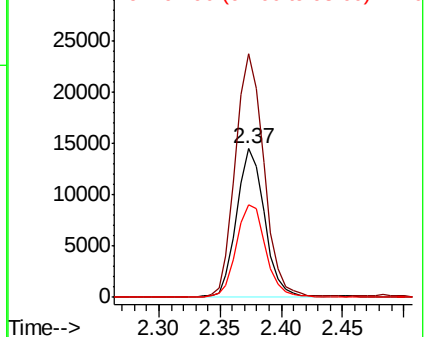
96 100

61 163.6 128.8 193.2

98 62.3 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: 1.275 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004791.D

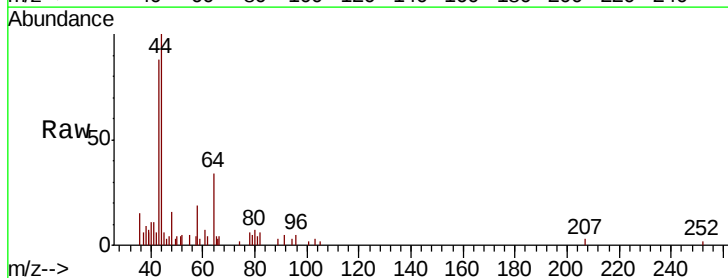
Acq: 27 Sep 2018 23:44

Tgt Ion: 43 Resp: 2551

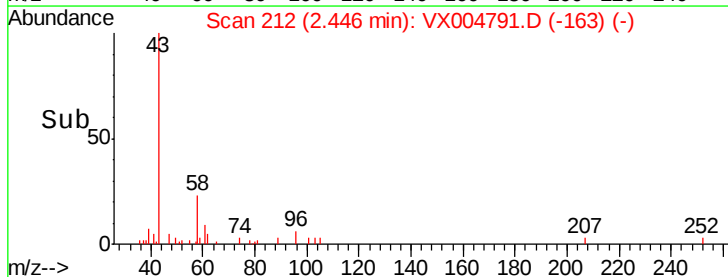
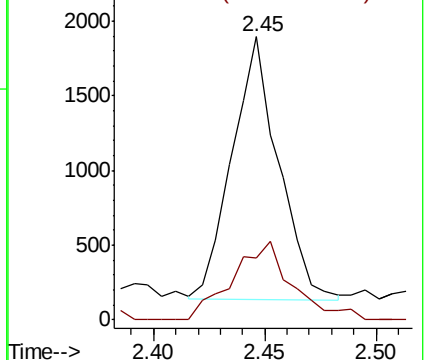
Ion Ratio Lower Upper

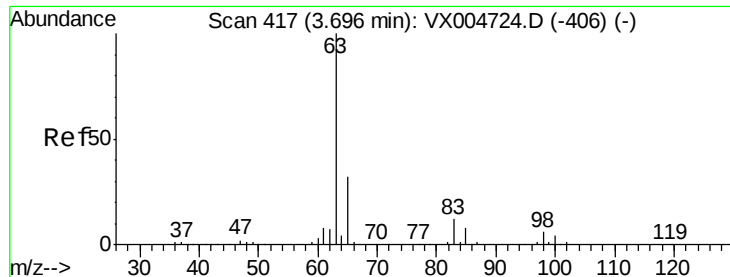
43 100

58 20.7 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: 1.866 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

MW-36-SEP18

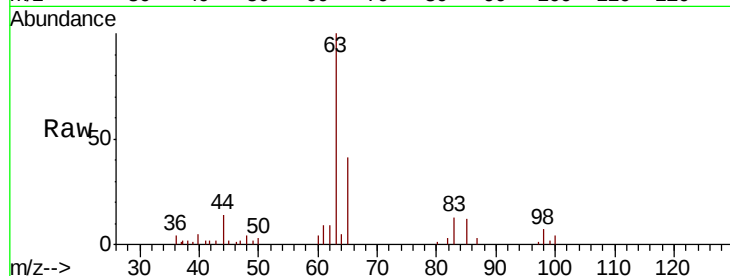
Tot Ion: 63 Resp: 10628

Ion Ratio Lower Upper

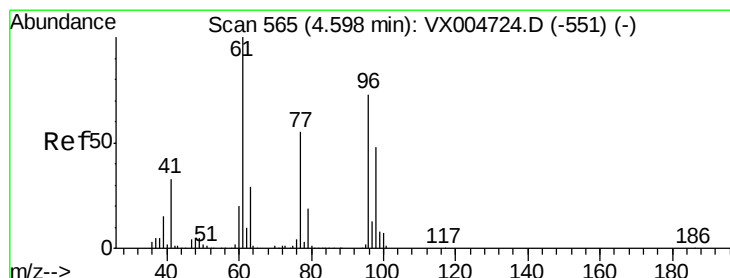
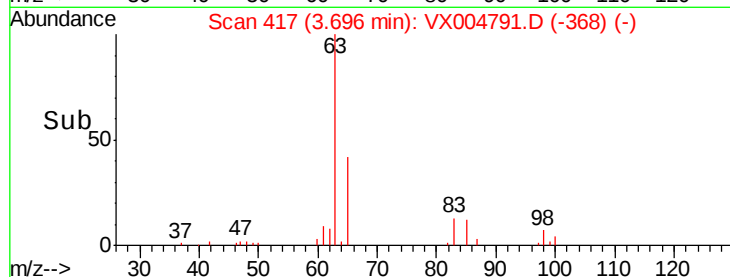
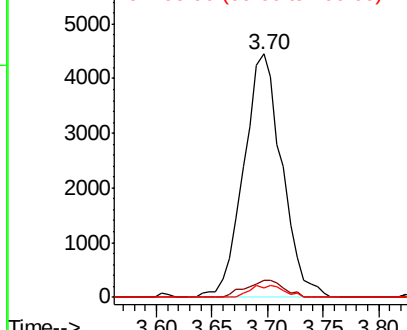
63 100

98 7.0 3.5 10.4

100 3.7 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



#27

cis-1,2-Dichloroethene

Concen: 109.688 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

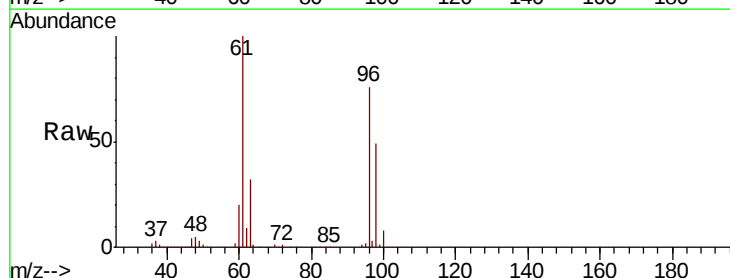
Tgt Ion: 96 Resp: 348652

Ion Ratio Lower Upper

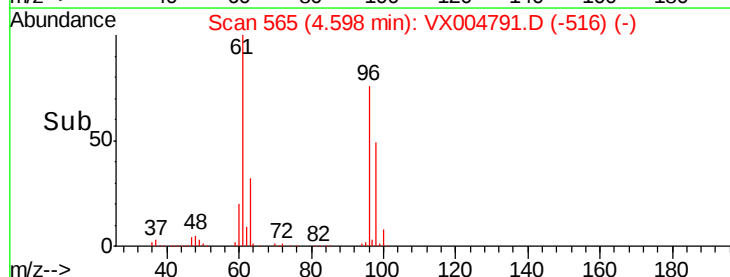
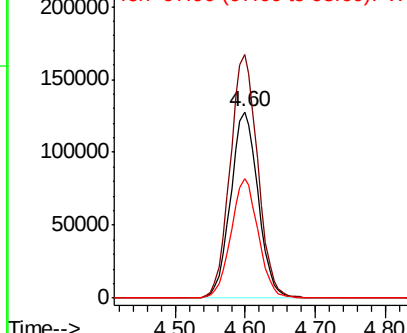
96 100

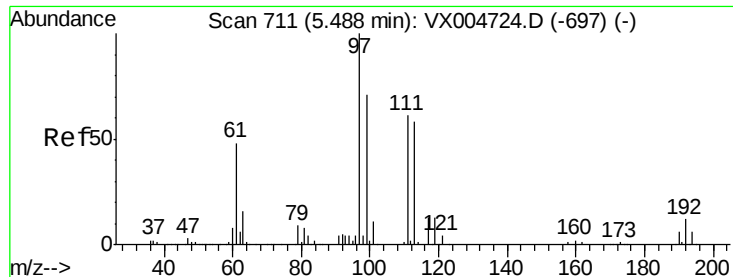
61 131.3 0.0 282.6

98 63.7 0.0 130.2



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





#32

1,1,1-Trichloroethane

Concen: 26.982 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

MW-36-SEP18

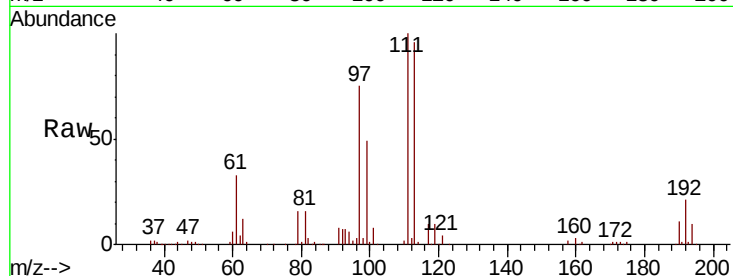
Tot Ion: 97 Resp: 118638

Ion Ratio Lower Upper

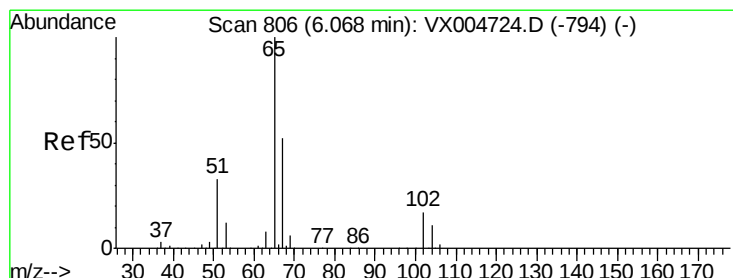
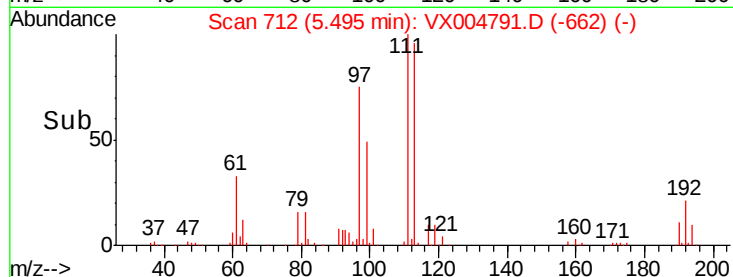
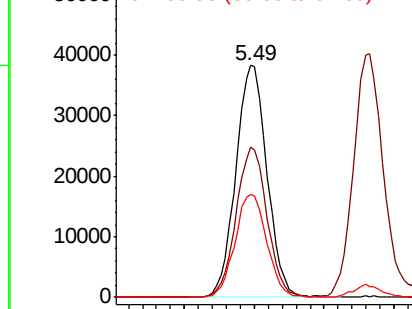
97 100

99 64.2 52.0 78.0

61 45.3 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



#33

1,2-Dichloroethane-d4

Concen: 52.695 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004791.D

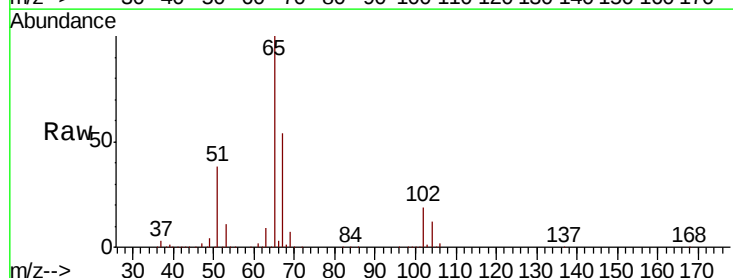
Acq: 27 Sep 2018 23:44

Tgt Ion: 65 Resp: 180571

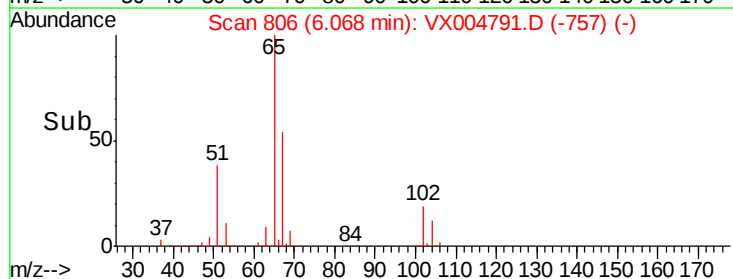
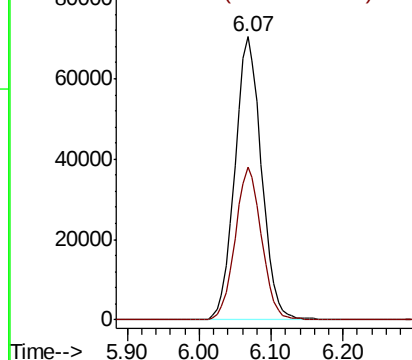
Ion Ratio Lower Upper

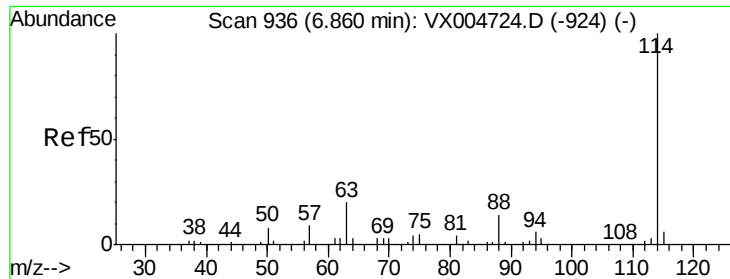
65 100

67 53.8 0.0 106.8



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

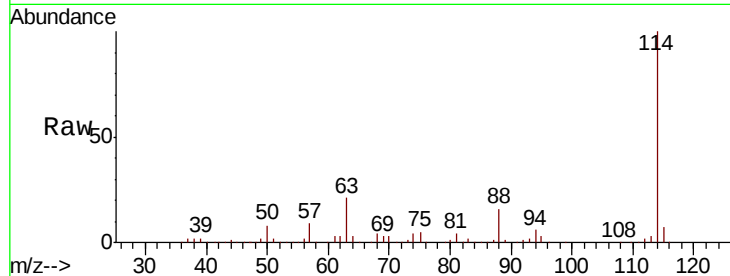




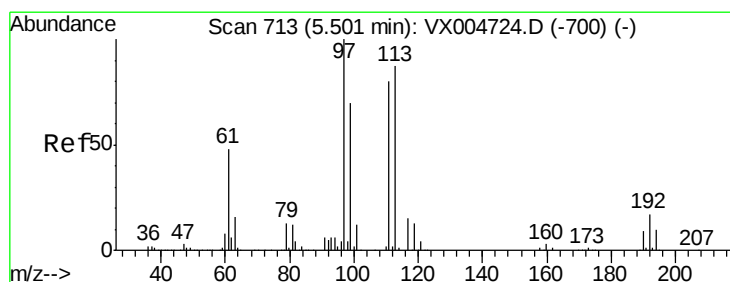
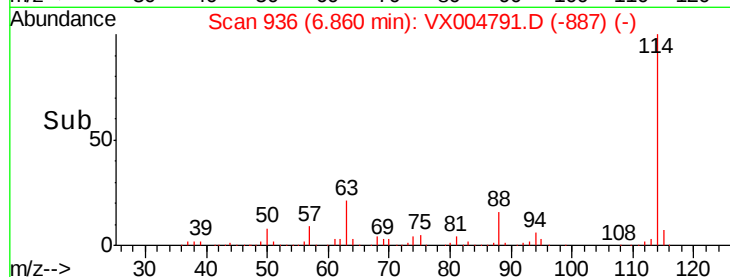
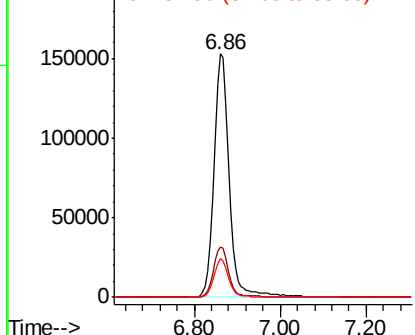
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004791.D
 Acq: 27 Sep 2018 23:44

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-36-SEP18

Tot Ion:114 Resp: 385389
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.0
 88 15.9 0.0 30.4

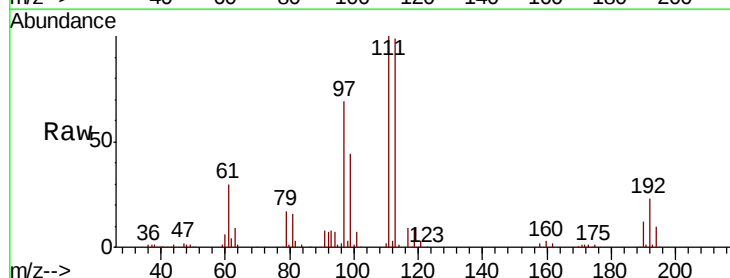


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

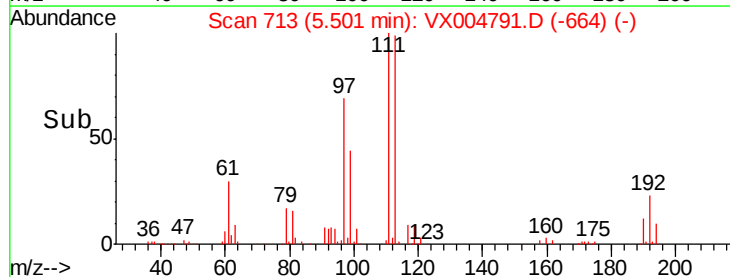
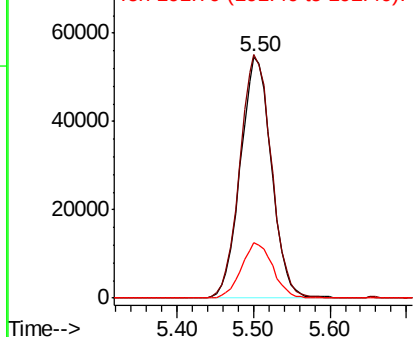


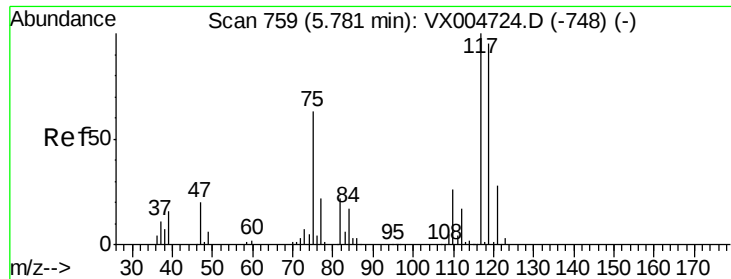
#35
 Dibromofluoromethane
 Concen: 47.130 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004791.D
 Acq: 27 Sep 2018 23:44

Tgt Ion:113 Resp: 153938
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 23.3 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

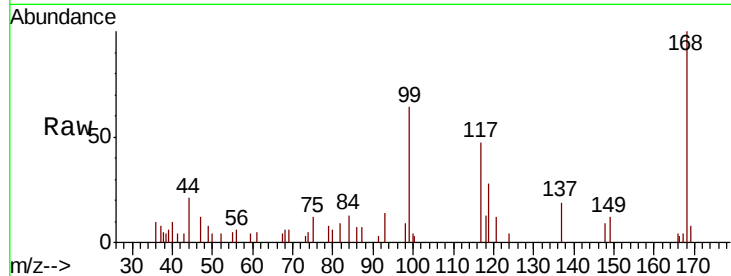




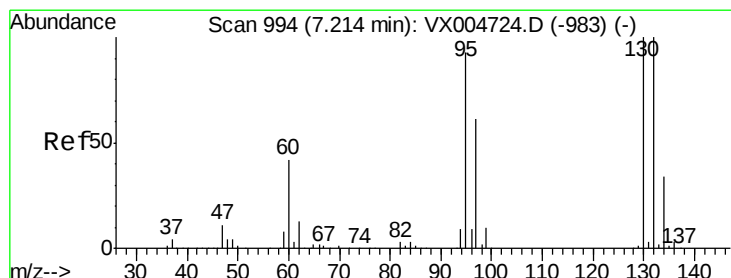
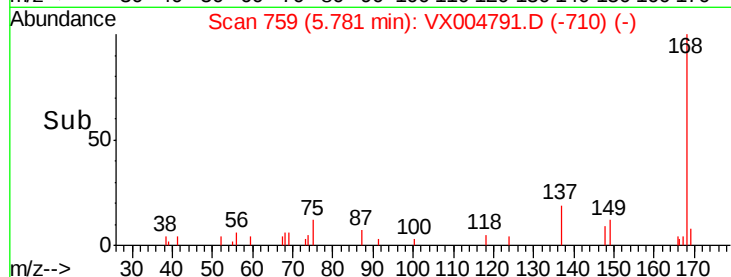
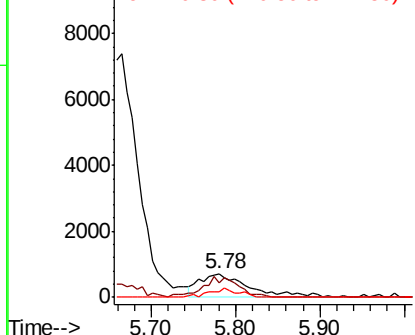
#38
Carbon Tetrachloride
Concen: 0.624 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004791.D
Acq: 27 Sep 2018 23:44

Instrument :
MSVOA_X
ClientSampleId :
MW-36-SEP18

Tot Ion:117 Resp: 2925
Ion Ratio Lower Upper
117 100
119 59.3 78.8 118.2#
121 25.1 24.9 37.3

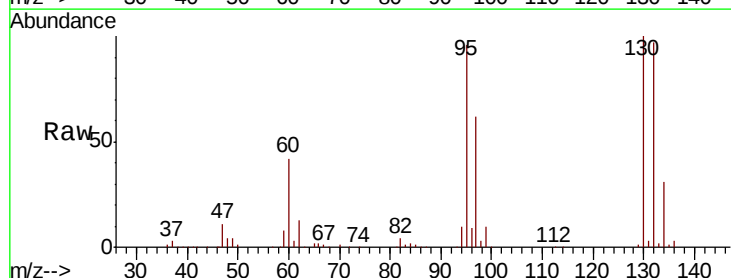


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

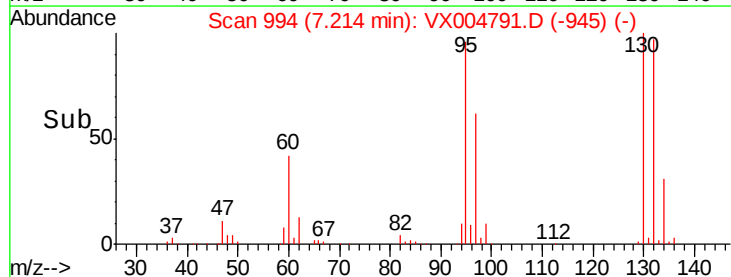
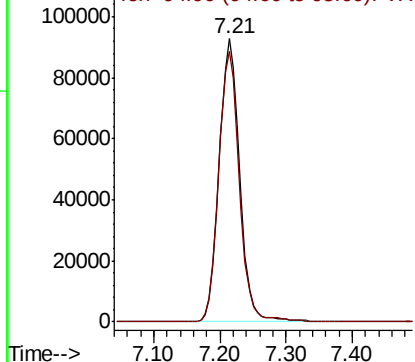


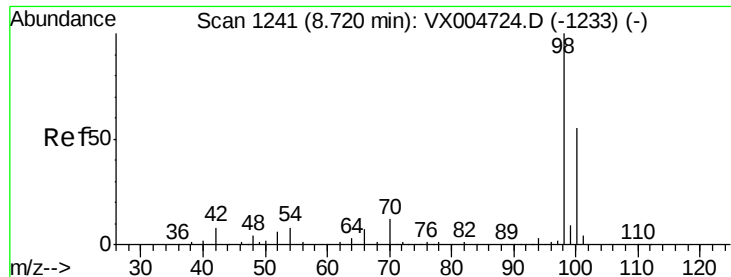
#44
Trichloroethene
Concen: 58.064 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX004791.D
Acq: 27 Sep 2018 23:44

Tgt Ion:130 Resp: 199143
Ion Ratio Lower Upper
130 100
95 95.7 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

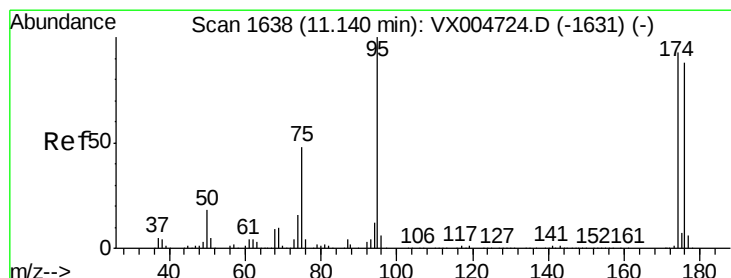
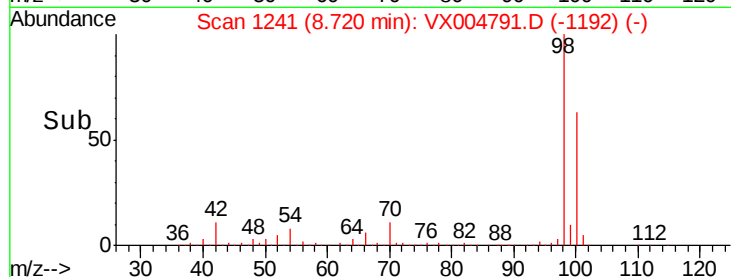
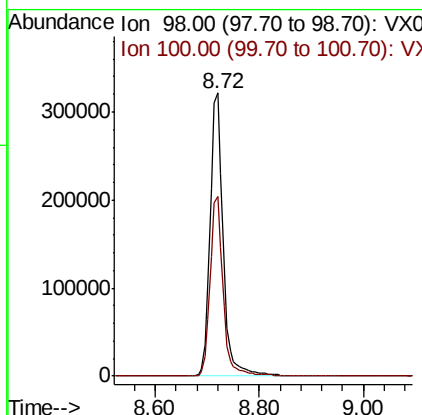
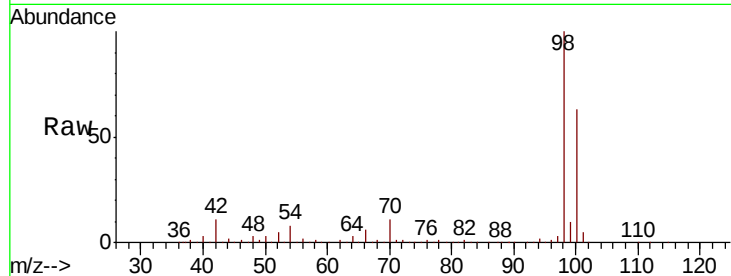




#50
Toluene-d8
Concen: 51.583 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004791.D
Acq: 27 Sep 2018 23:44

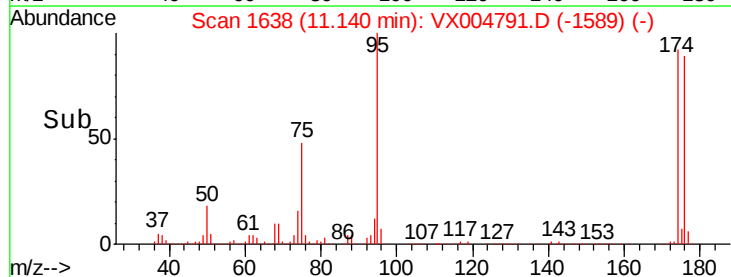
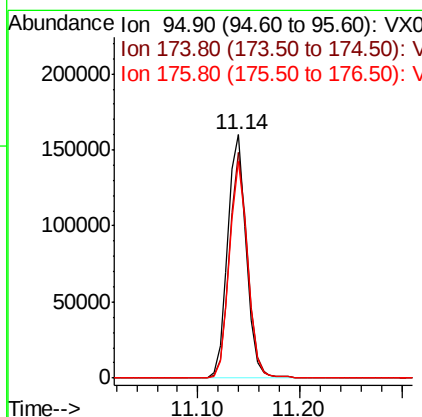
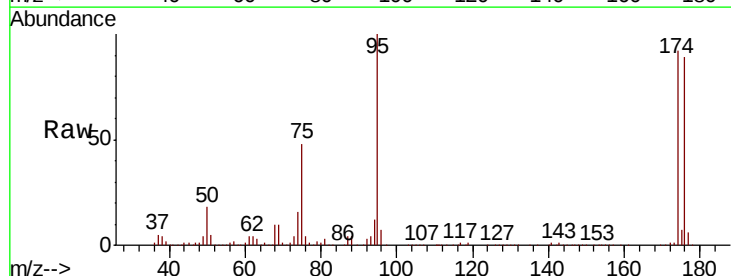
Instrument :
MSVOA_X
ClientSampleId :
MW-36-SEP18

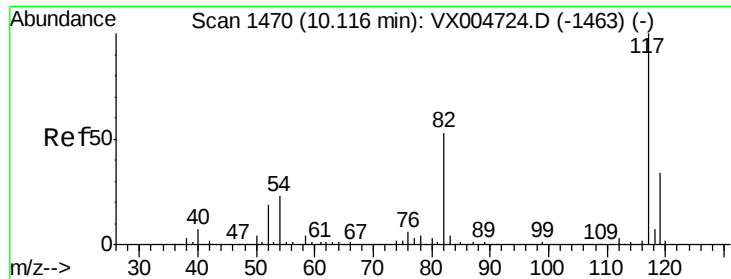
Tot Ion: 98 Resp: 560119
Ion Ratio Lower Upper
98 100
100 63.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 51.555 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004791.D
Acq: 27 Sep 2018 23:44

Tgt Ion: 95 Resp: 201677
Ion Ratio Lower Upper
95 100
174 89.9 0.0 185.2
176 86.9 0.0 178.6

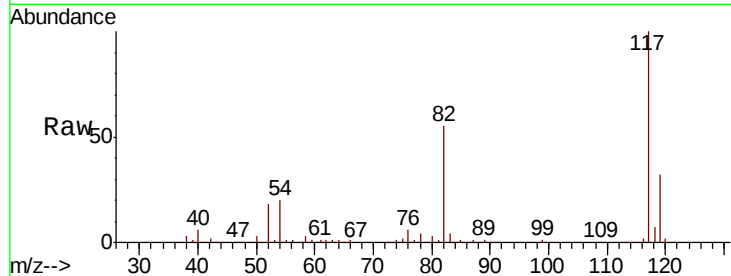




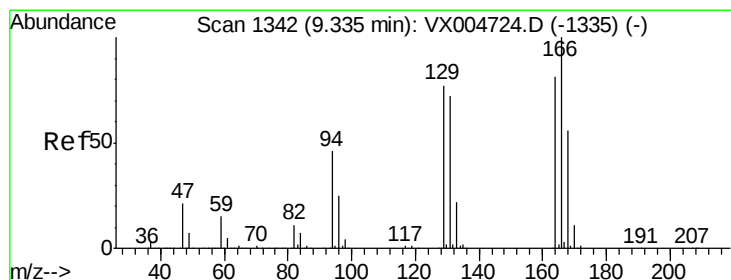
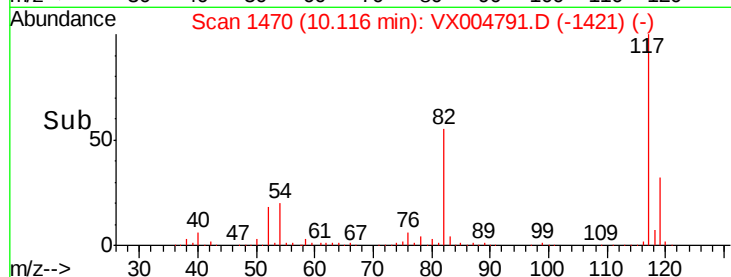
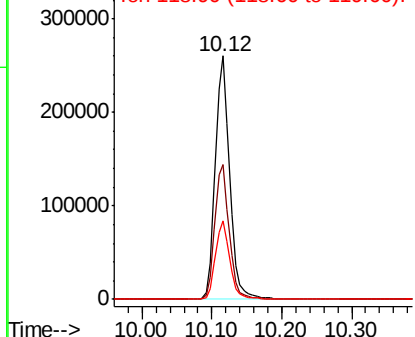
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004791.D
Acq: 27 Sep 2018 23:44

Instrument :
MSVOA_X
ClientSampleId :
MW-36-SEP18

Tot Ion:117 Resp: 373369
Ion Ratio Lower Upper
117 100
82 55.3 47.8 71.6
119 32.4 29.3 43.9

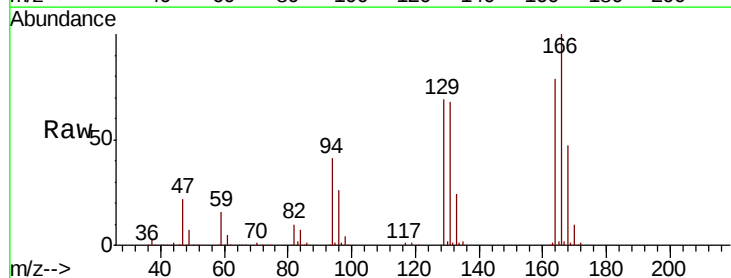


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

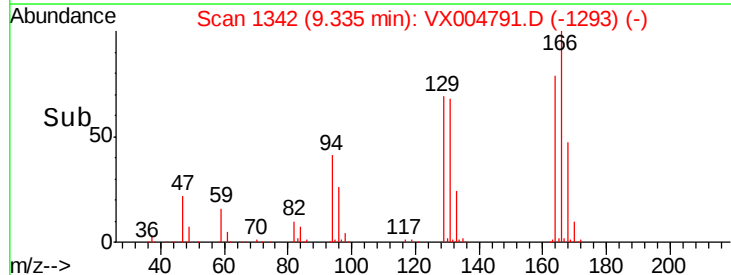
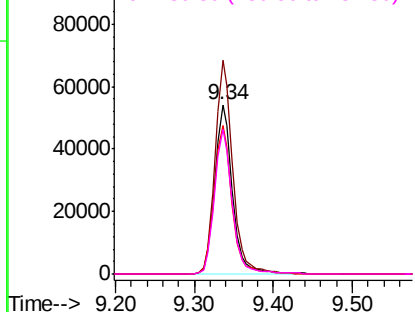


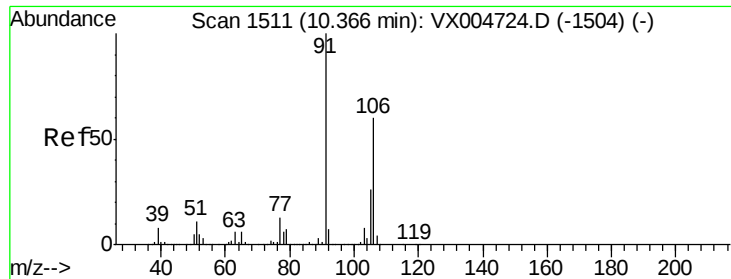
#64
Tetrachloroethene
Concen: 23.069 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004791.D
Acq: 27 Sep 2018 23:44

Tgt Ion:164 Resp: 84772
Ion Ratio Lower Upper
164 100
166 126.4 102.8 154.2
129 87.7 69.4 104.0
131 85.5 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

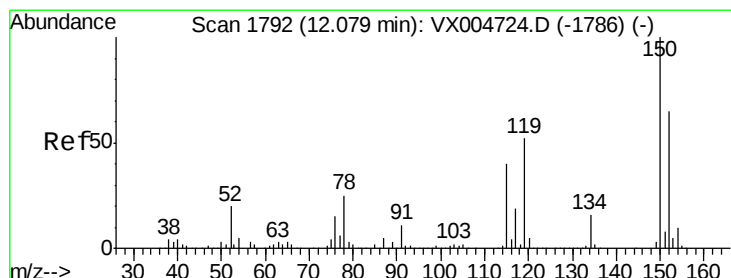
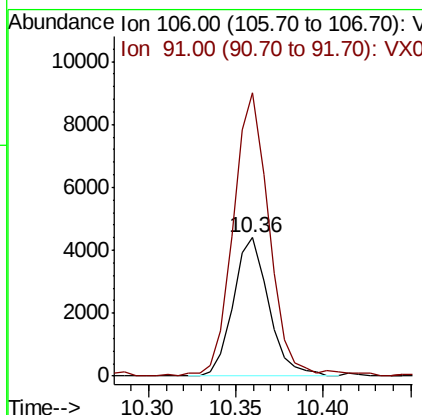
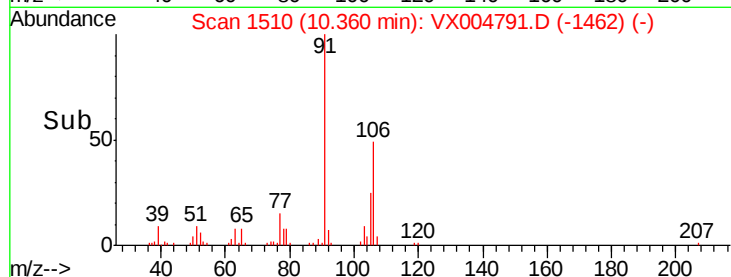
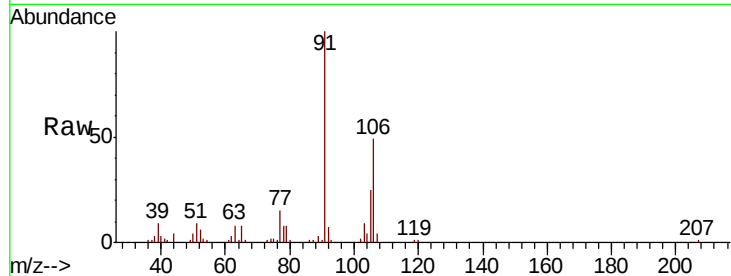




#68
m/p-Xvlenes
Concen: 1.046 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004791.D
Acq: 27 Sep 2018 23:44

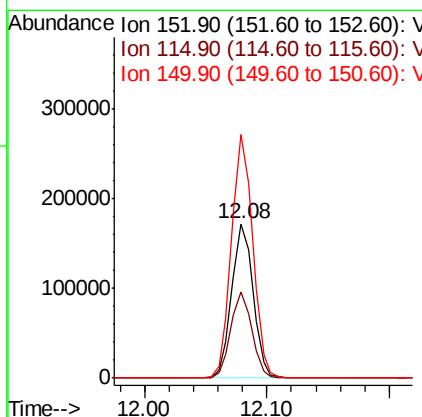
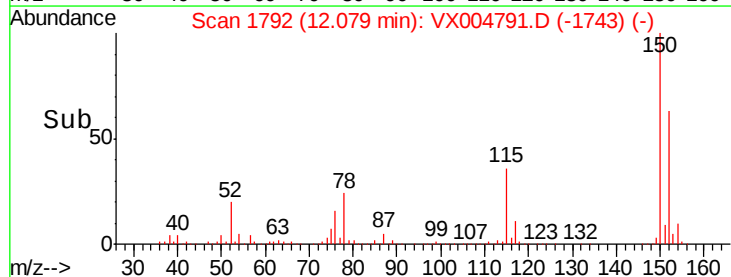
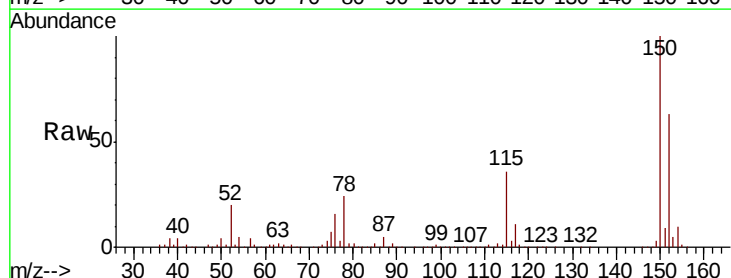
Instrument :
MSVOA_X
ClientSampleId :
MW-36-SEP18

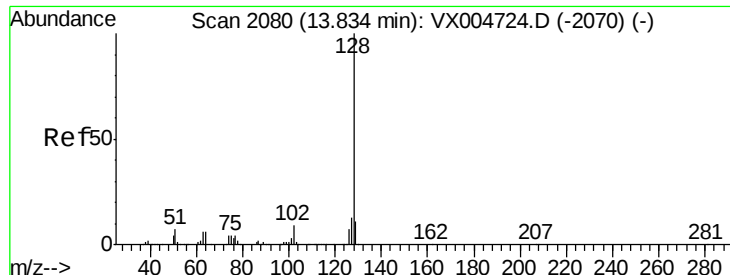
Tot Ion:106 Resp: 6214
Ion Ratio Lower Upper
106 100
91 208.9 157.1 235.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004791.D
Acq: 27 Sep 2018 23:44

Tgt Ion:152 Resp: 205755
Ion Ratio Lower Upper
152 100
115 55.8 39.0 117.0
150 157.5 0.0 351.0





#95

Naphthalene

Concen: 1.164 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004791.D

Acq: 27 Sep 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

MW-36-SEP18

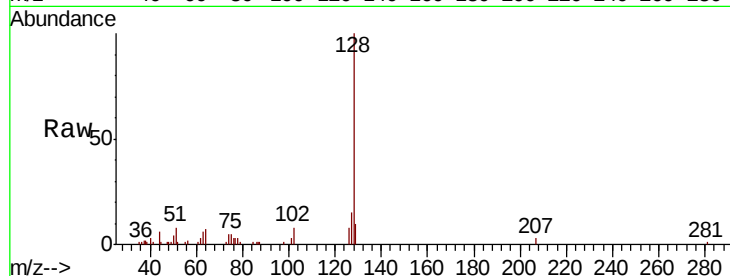
Tot Ion:128 Resp: 7717

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.2

129 10.1 8.6 12.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

