

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006629.D
 Acq On : 19 Dec 2018 06:05
 Operator : JC/MD
 Sample : J6449-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17A_R1

Quant Time: Dec 19 07:40:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	623359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	998192	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	922223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	443642	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	353374	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	5.50	113	296723	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
50) Toluene-d8	8.71	98	1194375	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.13	95	439877	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

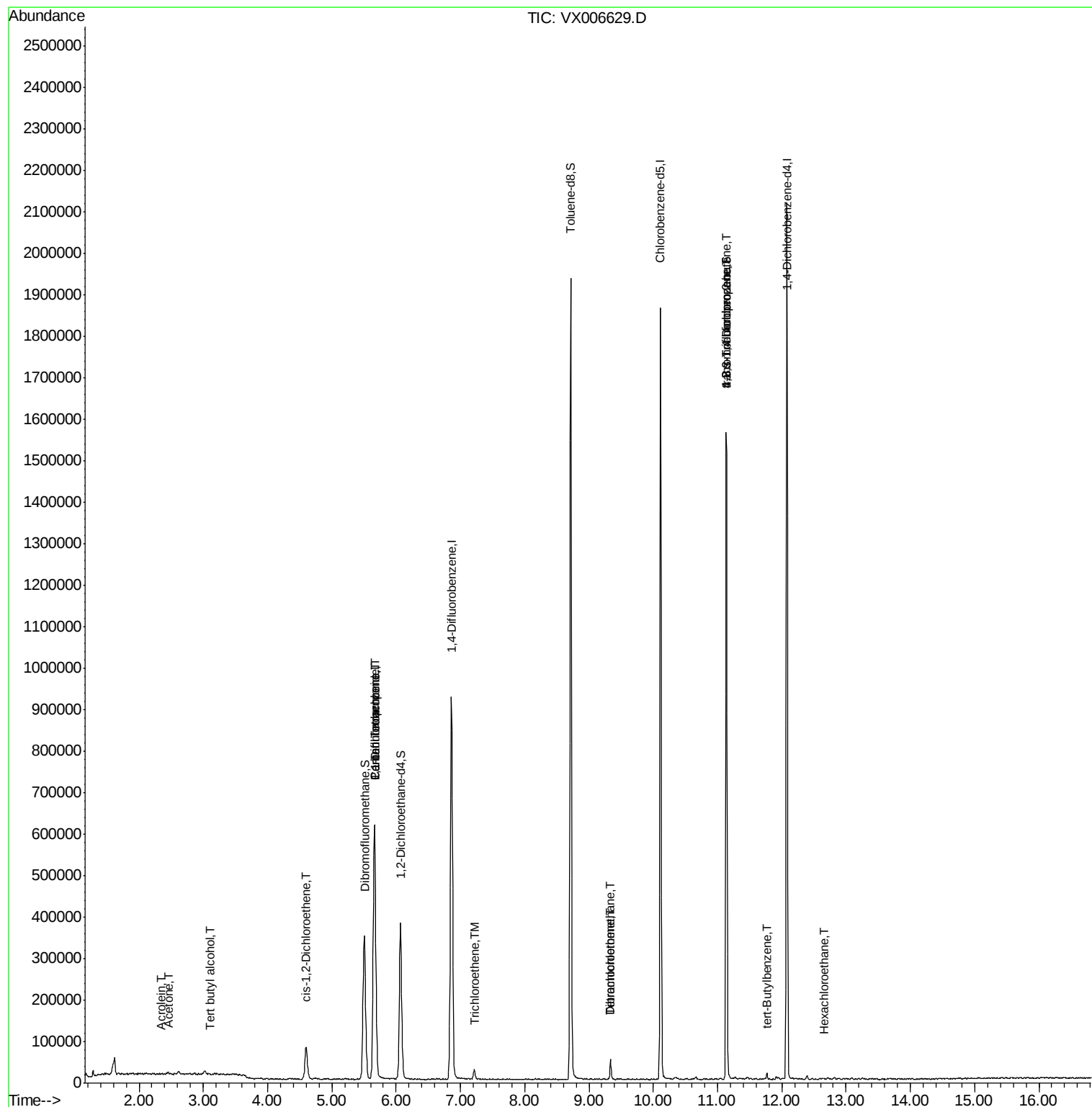
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	785	Below Cal	#	5
11) Tert butyl alcohol	3.09	59	531	0.354	ug/l #	53
13) Acrolein	2.34	56	271	0.268	ug/l #	1
16) Acetone	2.45	43	3993	1.294	ug/l #	75
27) cis-1,2-Dichloroethene	4.60	96	54633	8.024	ug/l	89
28) Bromochloromethane	5.01	49	152	Below Cal	#	3
36) 1,1-Dichloropropene	5.66	75	42311	5.118	ug/l #	48
38) Carbon Tetrachloride	5.67	117	59636	7.422	ug/l #	16
44) Trichloroethene	7.22	130	8952	1.177	ug/l	86
49) 1,4-Dioxane	7.73	88	48	Below Cal	#	1
60) Dibromochloromethane	9.34	129	8744	3.524	ug/l #	12
64) Tetrachloroethene	9.34	164	9289	1.272	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	206919	26.612	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	206919	74.145	ug/l #	15
83) tert-Butylbenzene	11.77	119	5478	0.219	ug/l	75
90) Hexachloroethane	12.65	117	35	3.301	ug/l	63

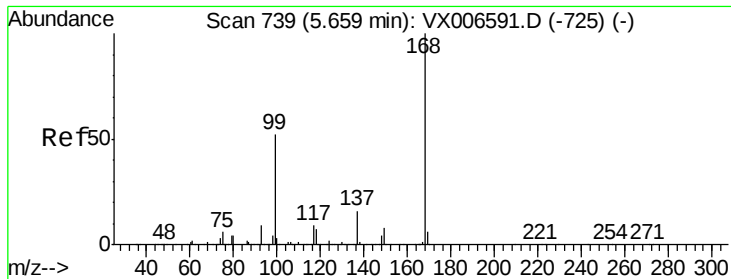
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121818\
Data File : VX006629.D
Acq On : 19 Dec 2018 06:05
Operator : JC/MD
Sample : J6449-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
MW-17A_R1

Quant Time: Dec 19 07:40:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:23:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006629.D

Acq: 19 Dec 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

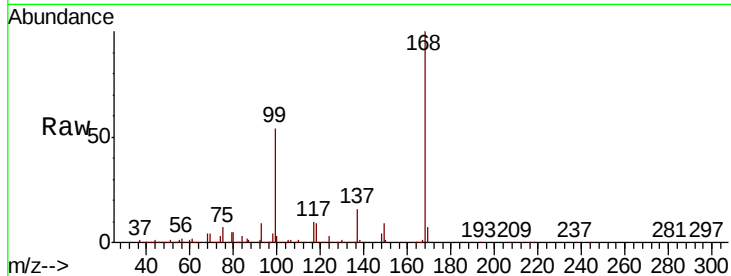
MW-17A_R1

Tot Ion:168 Resp: 623359

Ion Ratio Lower Upper

168 100

99 53.7 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

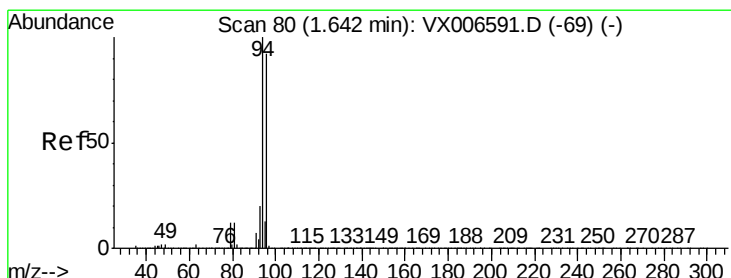
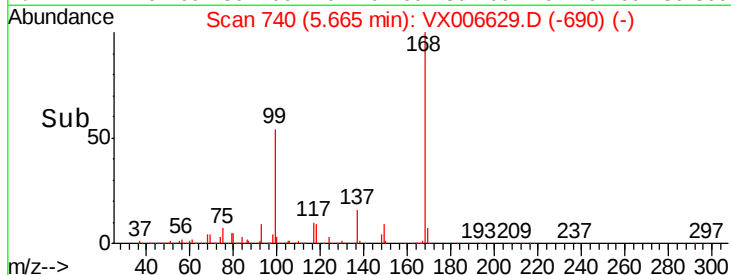
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006629.D

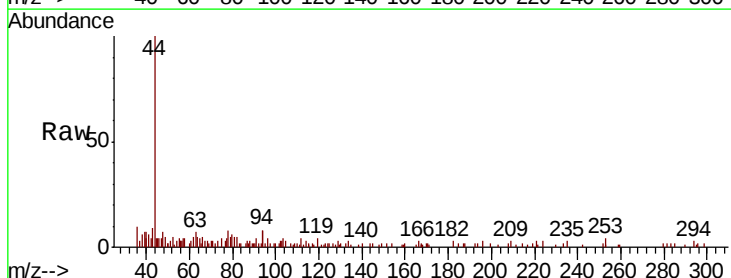
Acq: 19 Dec 2018 06:05

Tgt Ion: 94 Resp: 785

Ion Ratio Lower Upper

94 100

96 2.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

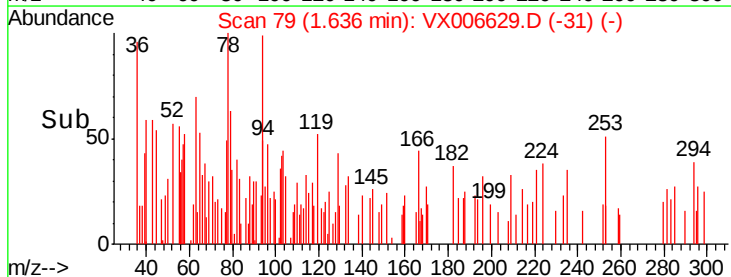
600

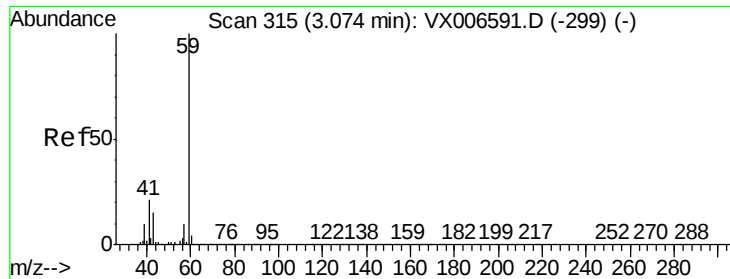
400

200

0

Time-->



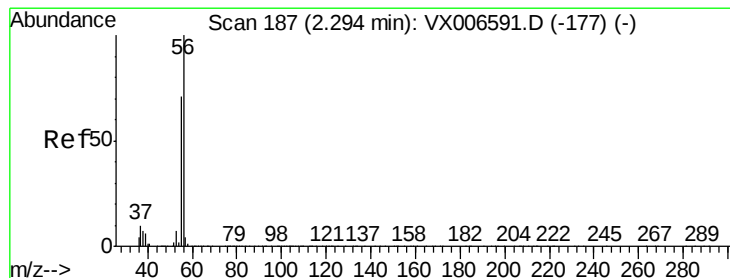
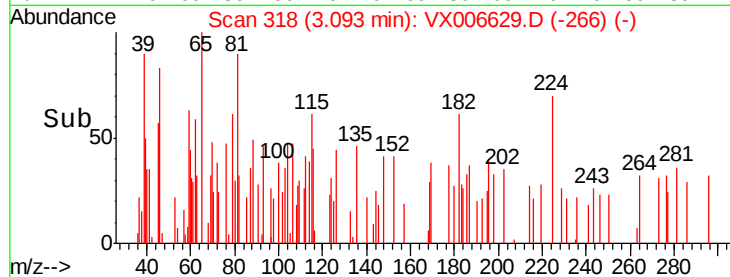
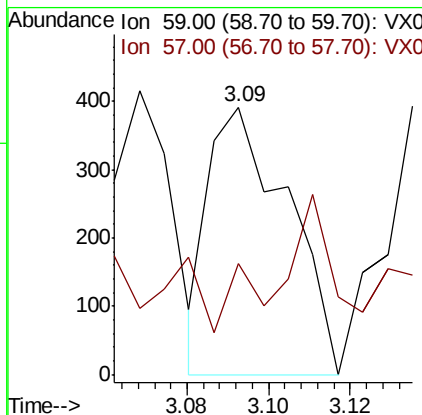
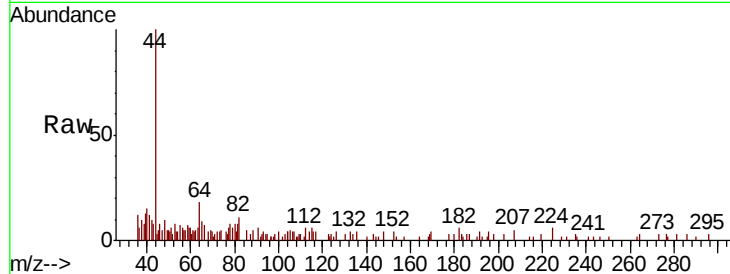


#11

Tert butyl alcohol
 Concen: 0.354 ug/l
 RT: 3.09 min Scan# 318
 Delta R.T. 0.02 min
 Lab File: VX006629.D
 Acq: 19 Dec 2018 06:05

Instrument :
 MSVOA_X
 ClientSampled :
 MW-17A_R1

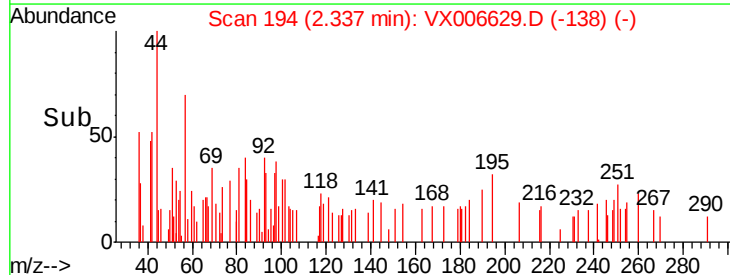
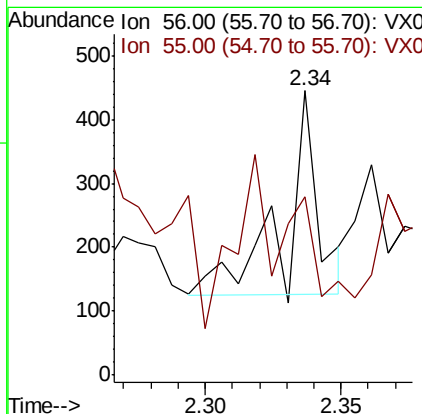
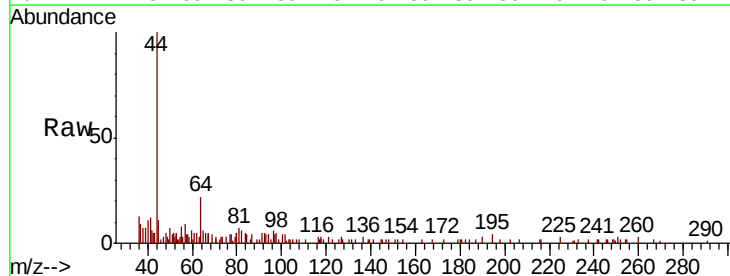
Tot Ion: 59 Resp: 531
 Ion Ratio Lower Upper
 59 100
 57 27.7 8.2 12.2#

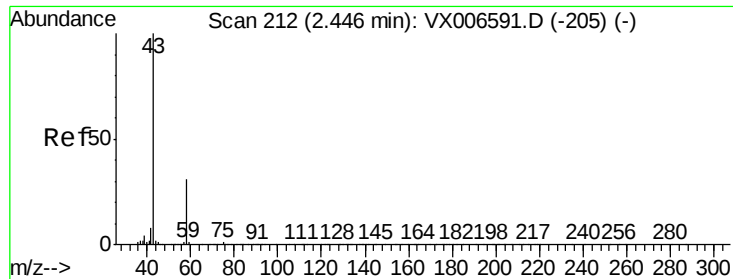


#13

Acrolein
 Concen: 0.268 ug/l
 RT: 2.34 min Scan# 194
 Delta R.T. 0.04 min
 Lab File: VX006629.D
 Acq: 19 Dec 2018 06:05

Tgt Ion: 56 Resp: 271
 Ion Ratio Lower Upper
 56 100
 55 155.0 57.8 86.6#





#16

Acetone

Concen: 1.294 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006629.D

Acq: 19 Dec 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

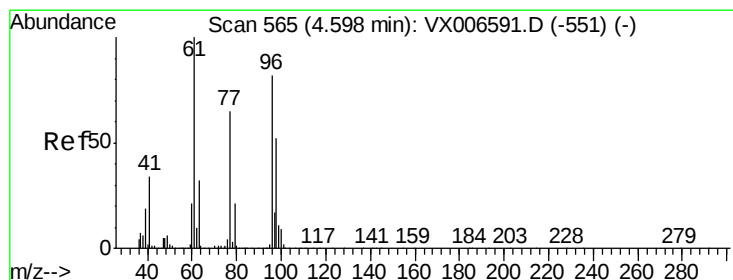
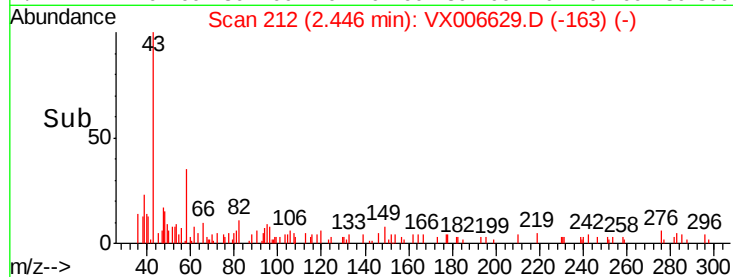
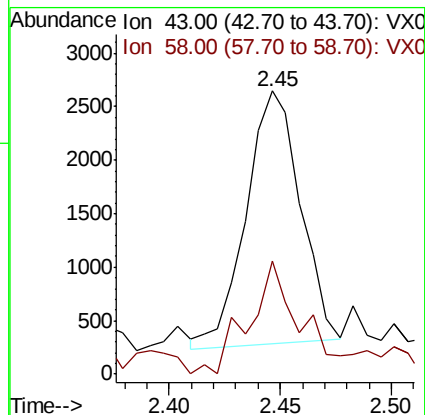
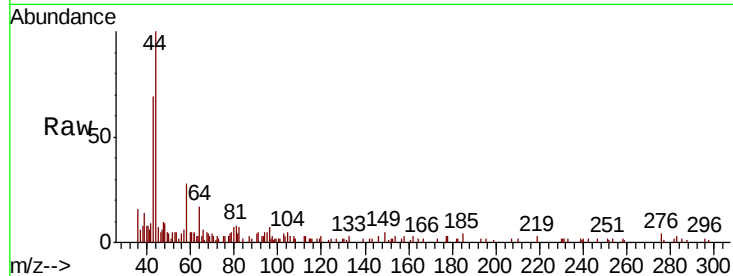
MW-17A_R1

Tot Ion: 43 Resp: 3993

Ion Ratio Lower Upper

43 100

58 43.3 24.0 36.0#



#27

cis-1,2-Dichloroethene

Concen: 8.024 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX006629.D

Acq: 19 Dec 2018 06:05

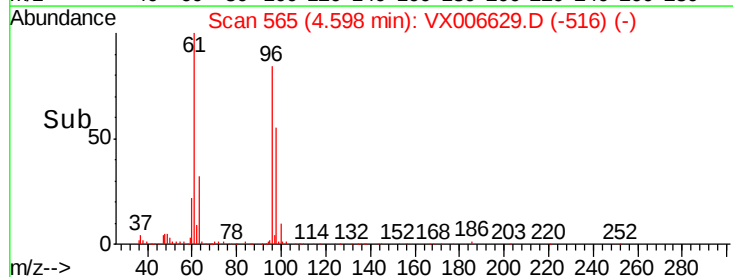
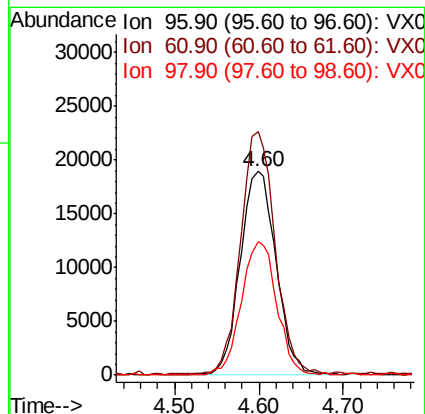
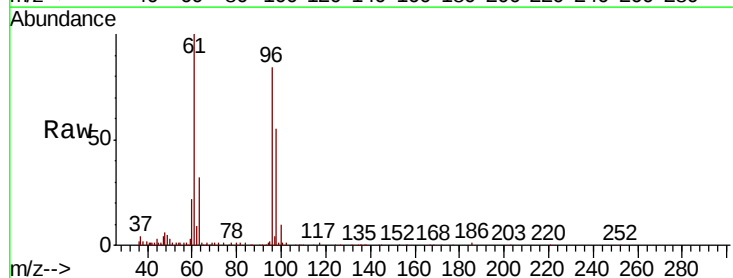
Tgt Ion: 96 Resp: 54633

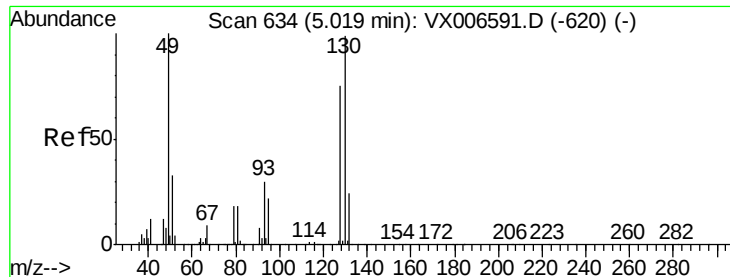
Ion Ratio Lower Upper

96 100

61 112.8 0.0 265.0

98 64.5 0.0 130.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX006629.D

Acq: 19 Dec 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

MW-17A_R1

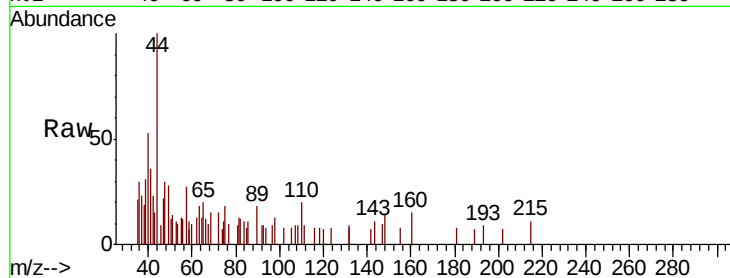
Tot Ion: 49 Resp: 152

Ion Ratio Lower Upper

49 100

129 12.5 0.0 5.0#

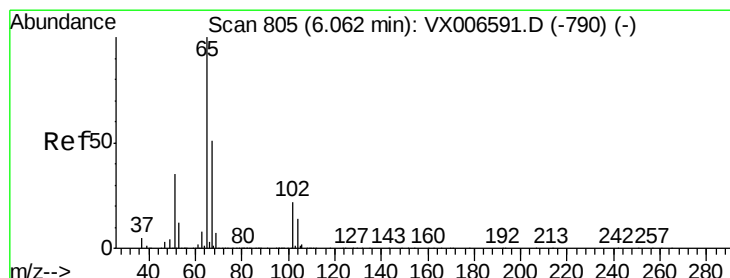
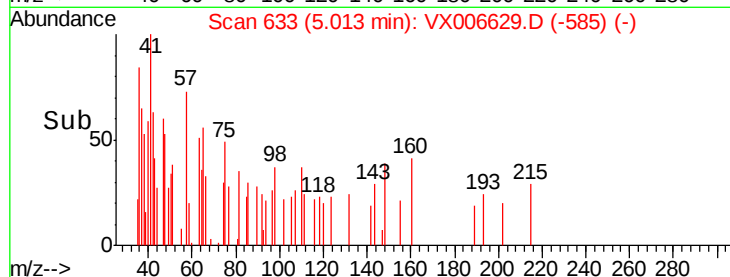
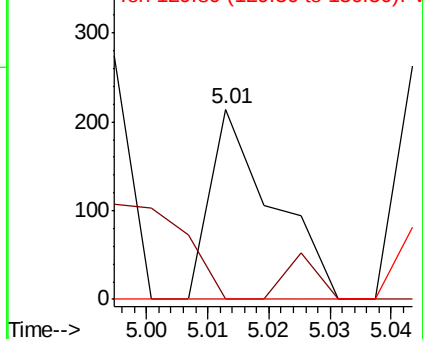
130 0.0 78.3 117.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 52.599 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006629.D

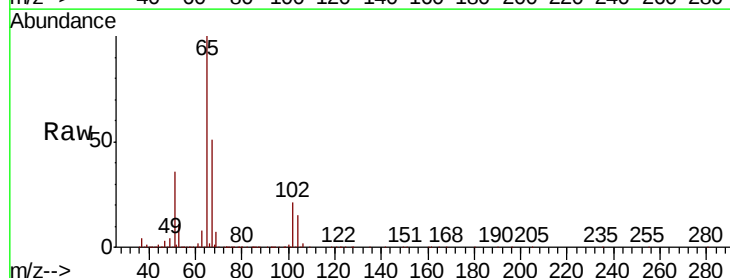
Acq: 19 Dec 2018 06:05

Tgt Ion: 65 Resp: 353374

Ion Ratio Lower Upper

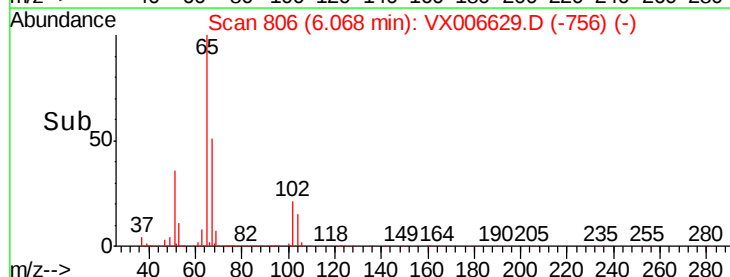
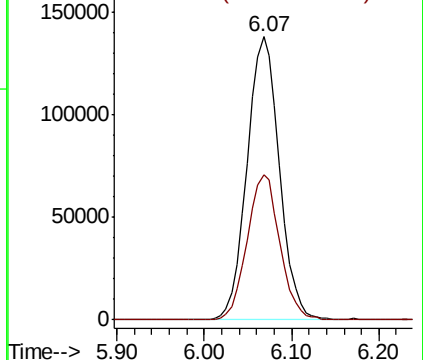
65 100

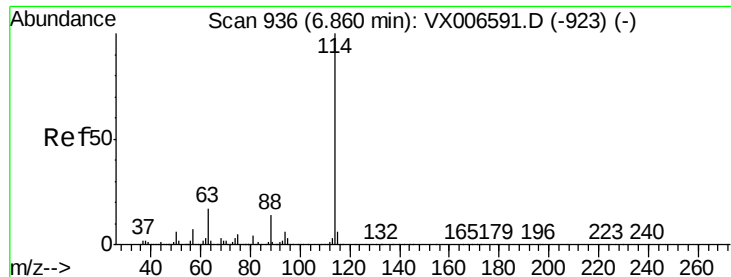
67 51.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

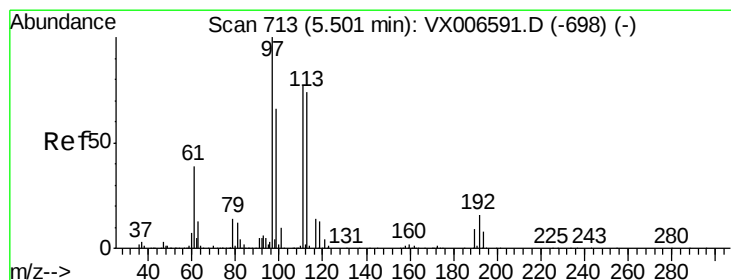
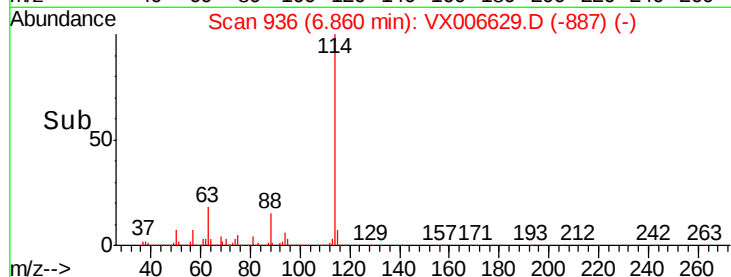
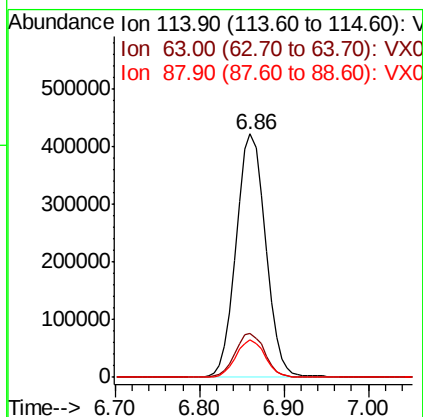
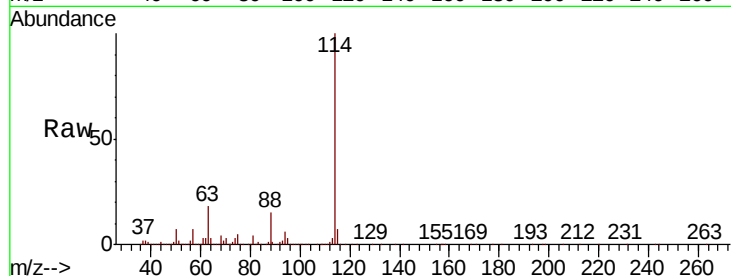




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006629.D
 Acq: 19 Dec 2018 06:05

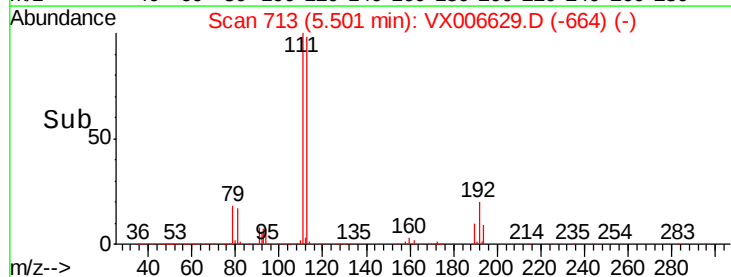
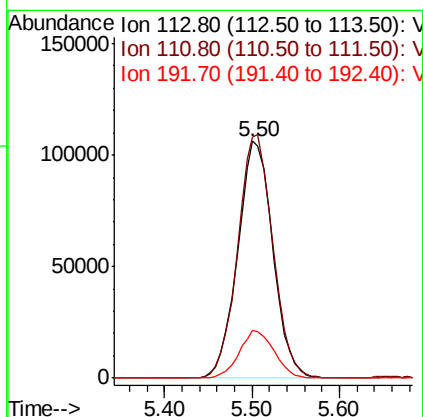
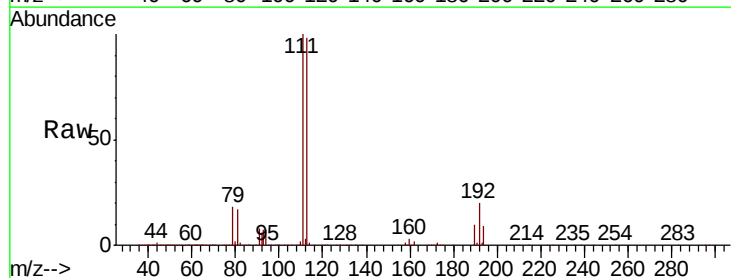
Instrument :
 MSVOA_X
 ClientSampled :
 MW-17A_R1

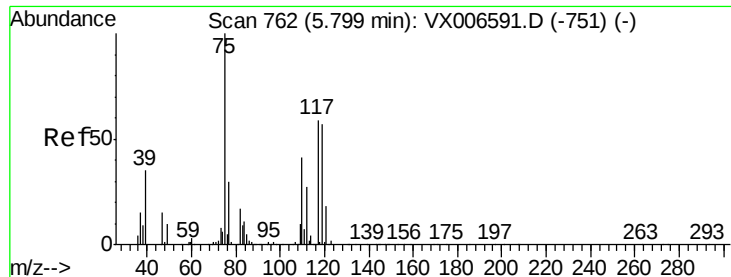
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	36.6
88	15.2	0.0	29.0



#35
 Dibromofluoromethane
 Concen: 47.007 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006629.D
 Acq: 19 Dec 2018 06:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.1	121.7
192	20.0	18.2	27.2





#36

1,1-Dichloropropene

Concen: 5.118 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006629.D

Acq: 19 Dec 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

MW-17A_R1

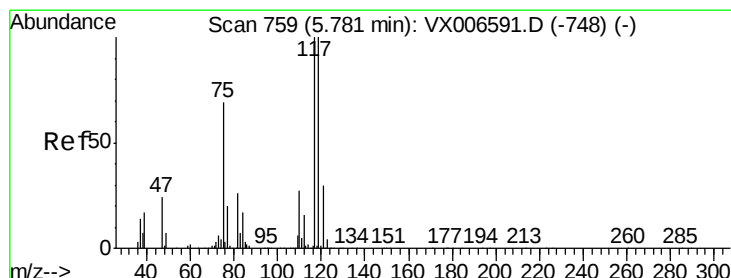
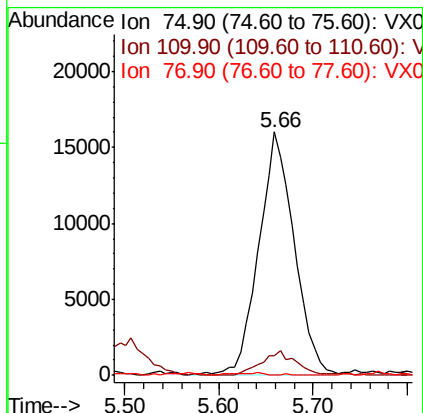
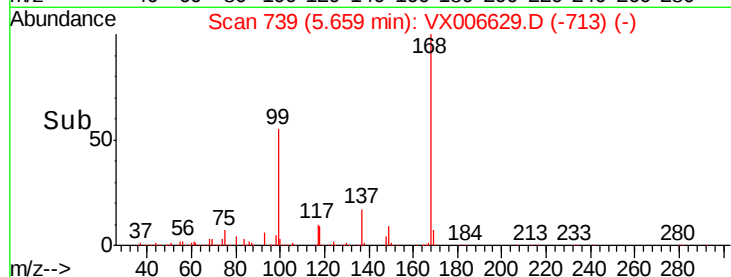
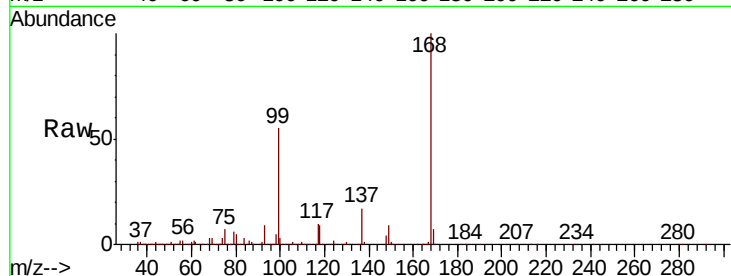
Tot Ion: 75 Resp: 42311

Ion Ratio Lower Upper

75 100

110 10.2 20.4 61.3#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 7.422 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006629.D

Acq: 19 Dec 2018 06:05

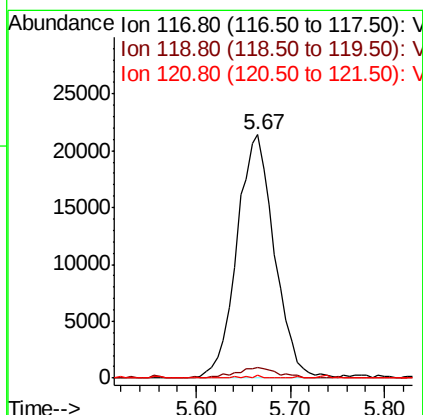
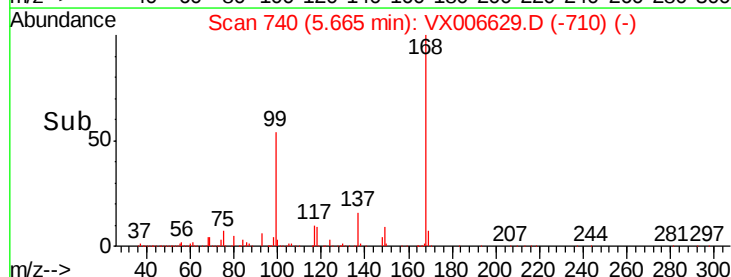
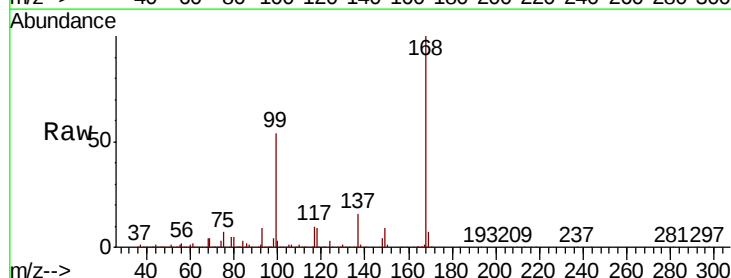
Tgt Ion: 117 Resp: 59636

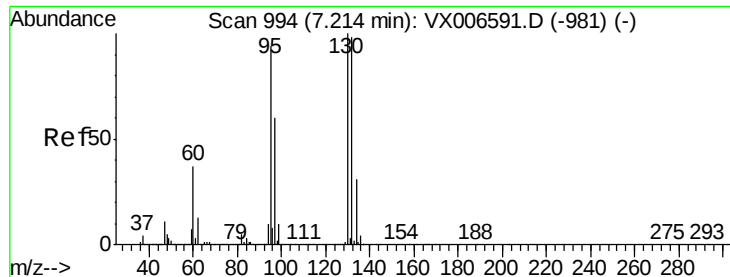
Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.8#

121 1.1 24.6 37.0#





#44

Trichloroethene

Concen: 1.177 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006629.D

Acq: 19 Dec 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

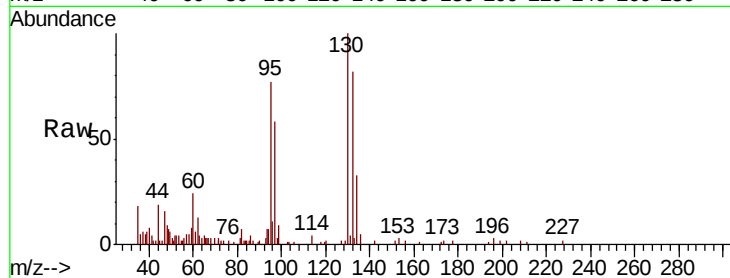
MW-17A_R1

Tot Ion:130 Resp: 8952

Ion Ratio Lower Upper

130 100

95 74.6 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

4000

3000

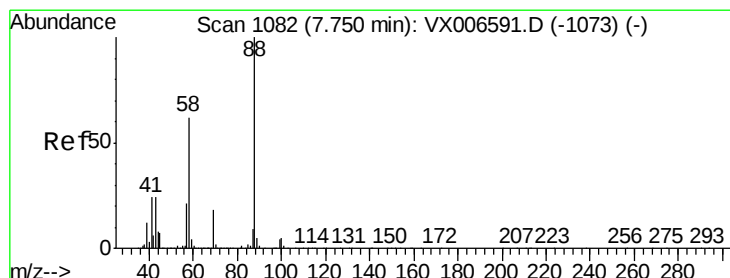
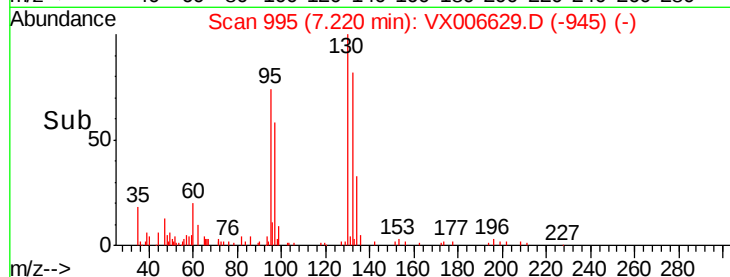
2000

1000

0

7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX006629.D

Acq: 19 Dec 2018 06:05

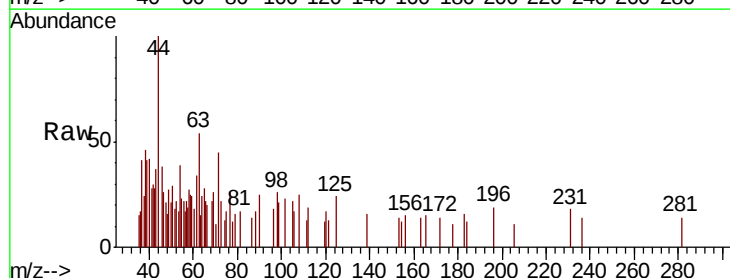
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

58 314.6 51.4 77.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

300

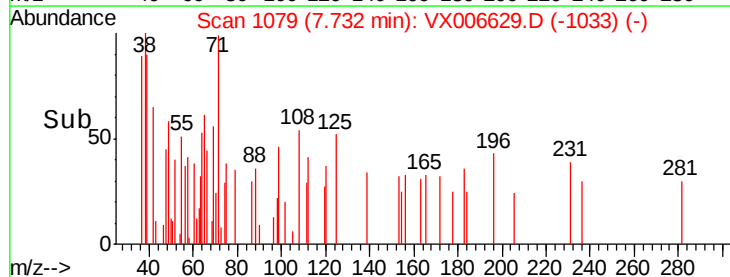
200

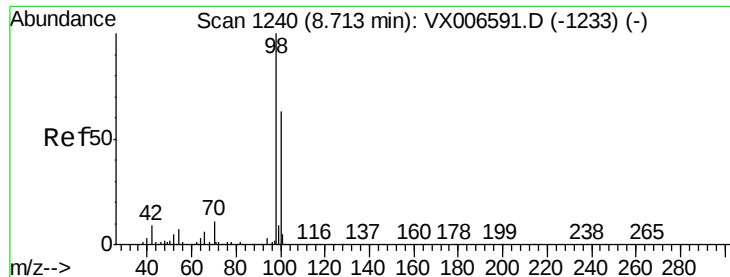
100

0

7.72 7.73 7.74 7.75

Time-->





#50

Toluene-d8

Concen: 50.188 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006629.D

Acq: 19 Dec 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

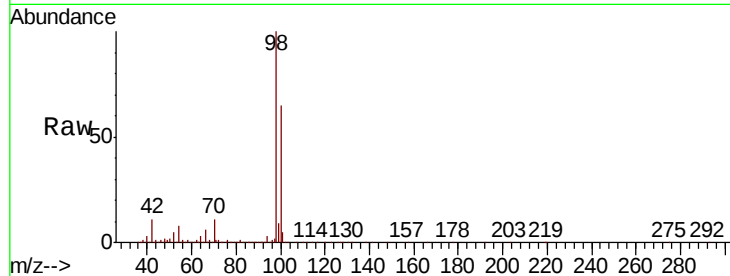
MW-17A_R1

Tot Ion: 98 Resp: 1194375

Ion Ratio Lower Upper

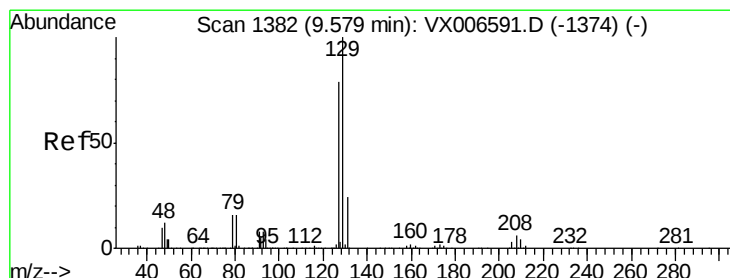
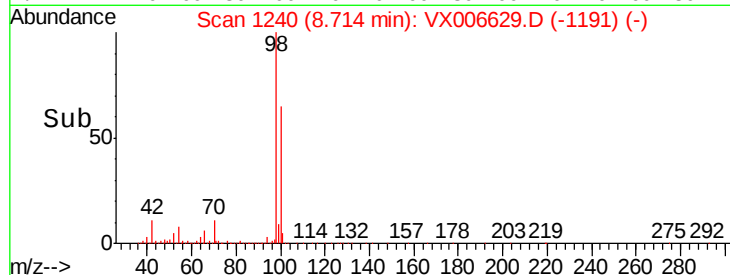
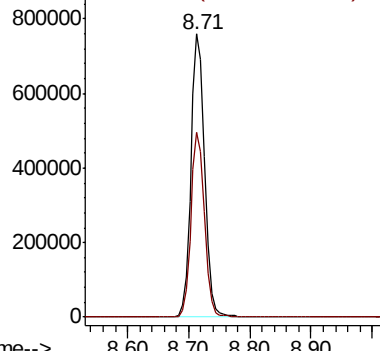
98 100

100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 3.524 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX006629.D

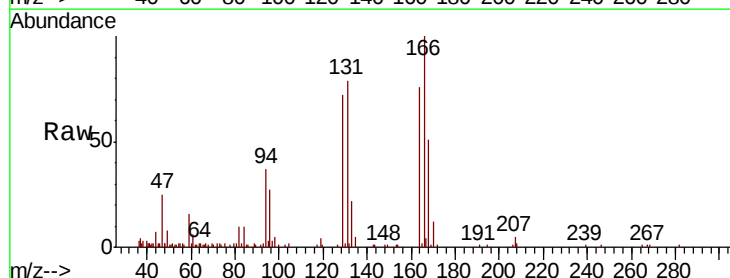
Acq: 19 Dec 2018 06:05

Tgt Ion:129 Resp: 8744

Ion Ratio Lower Upper

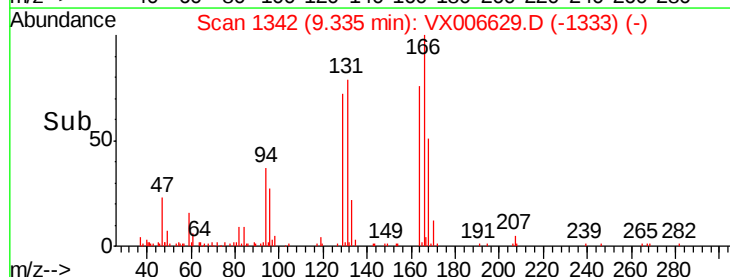
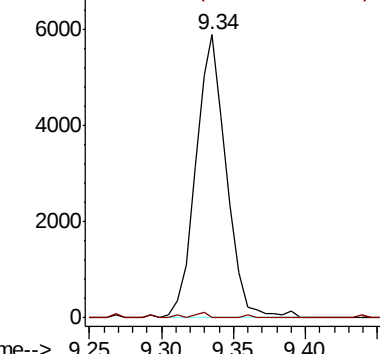
129 100

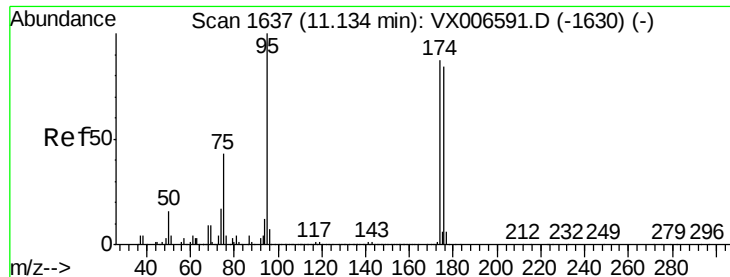
127 1.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

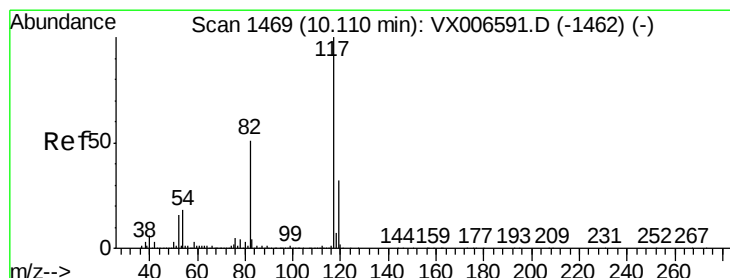
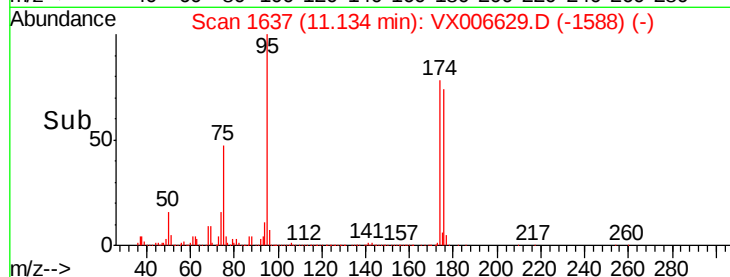
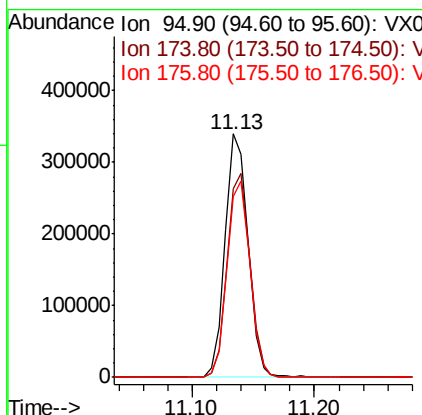
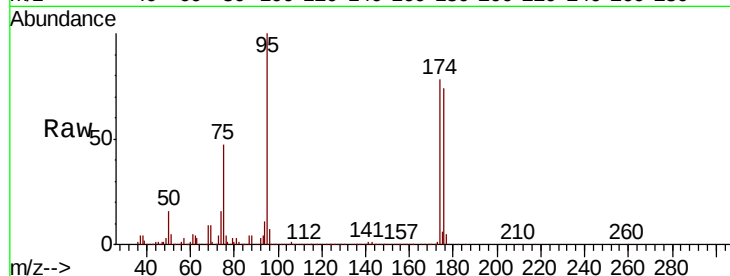




#62
4-Bromofluorobenzene
Concen: 50.469 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006629.D
Acq: 19 Dec 2018 06:05

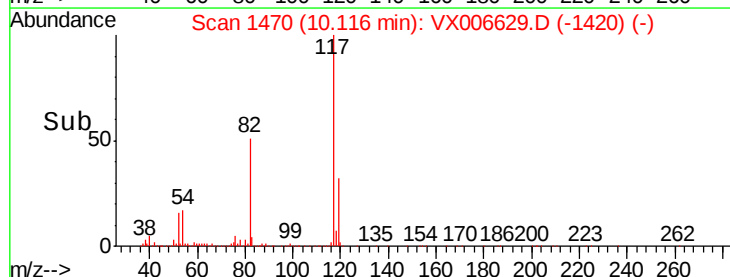
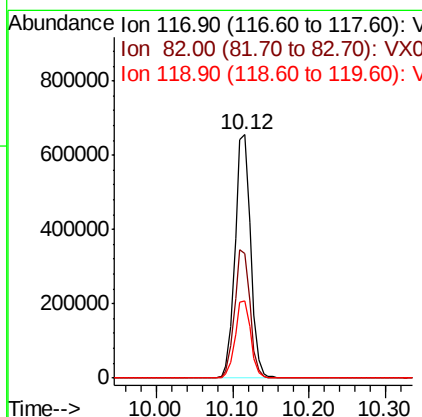
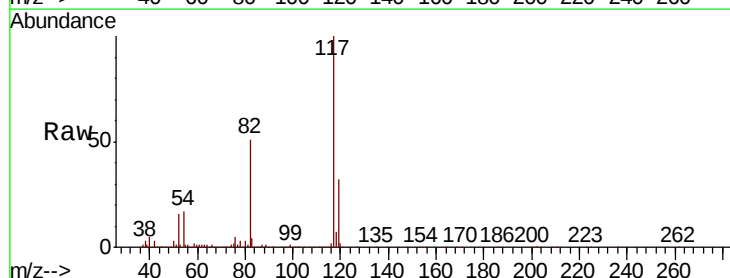
Instrument :
MSVOA_X
ClientSampleId :
MW-17A_R1

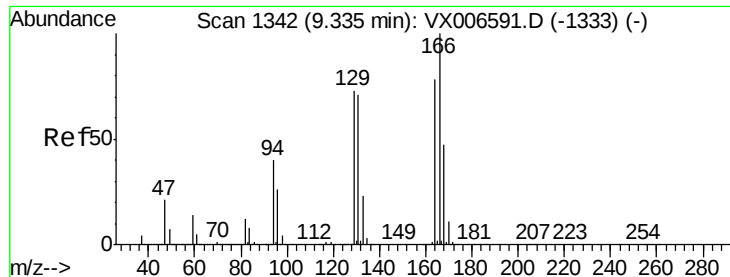
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	187.0
176	80.5	0.0	181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006629.D
Acq: 19 Dec 2018 06:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.0	39.6	59.4
119	31.8	26.3	39.5





#64

Tetrachloroethene

Concen: 1.272 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX006629.D

Acq: 19 Dec 2018 06:05

Instrument :

MSVOA_X

ClientSampleId :

MW-17A_R1

Tot Ion:164 Resp: 9289

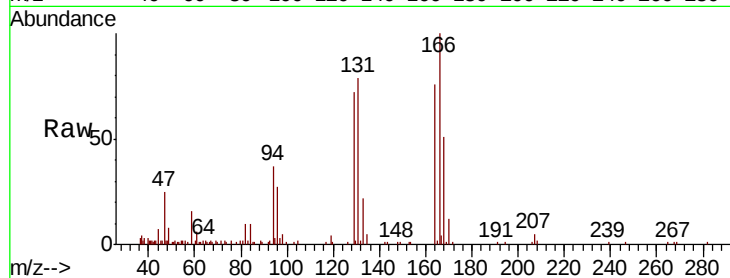
Ion Ratio Lower Upper

164 100

166 129.5 104.2 156.2

129 93.7 72.6 108.8

131 103.6 70.3 105.5

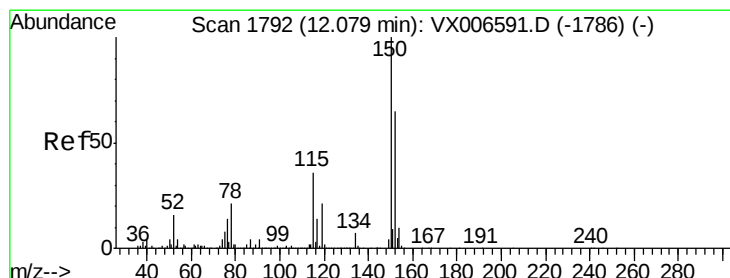
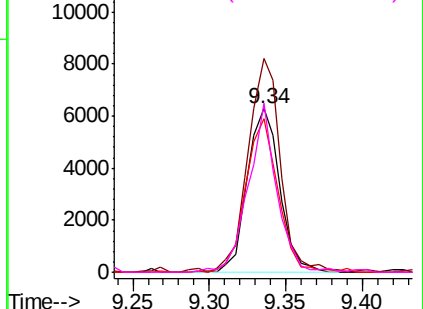
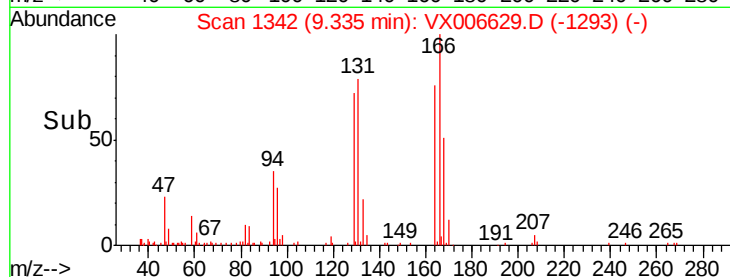


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX006629.D

Acq: 19 Dec 2018 06:05

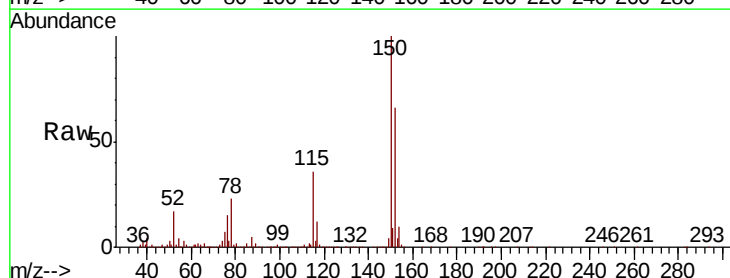
Tgt Ion:152 Resp: 443642

Ion Ratio Lower Upper

152 100

115 56.4 39.0 116.9

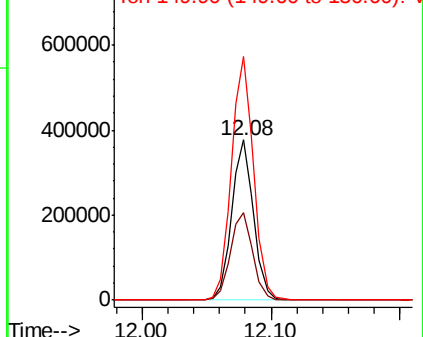
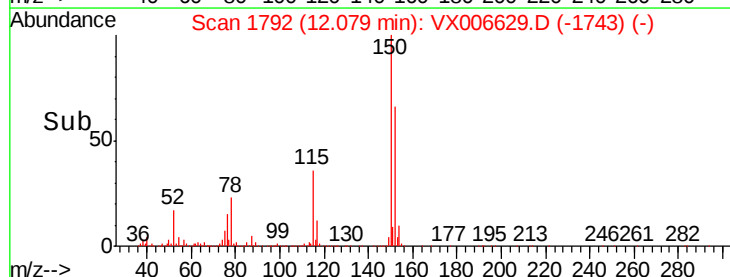
150 155.0 0.0 345.8

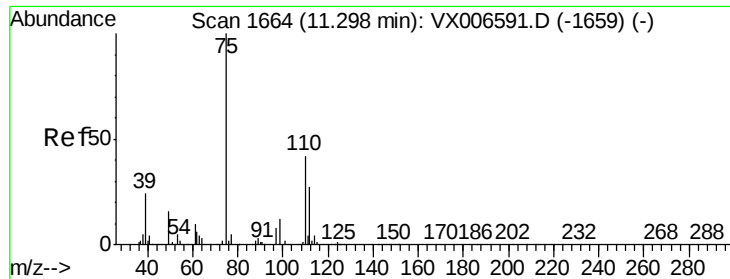


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

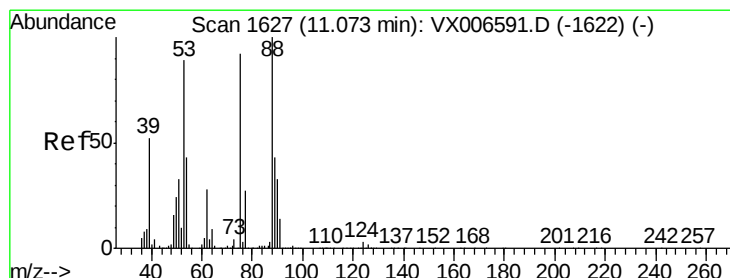
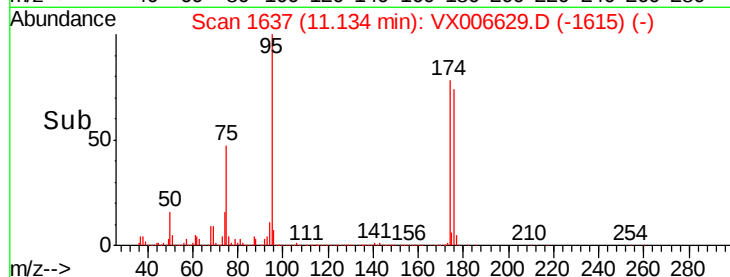
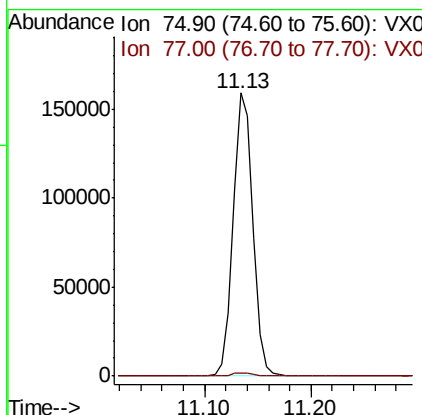
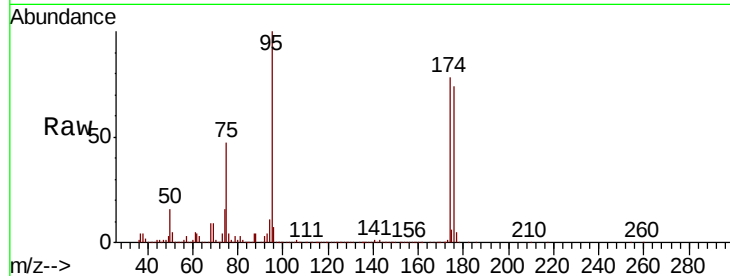




#76
 1,2,3-Trichloropropane
 Concen: 26.612 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006629.D
 Acq: 19 Dec 2018 06:05

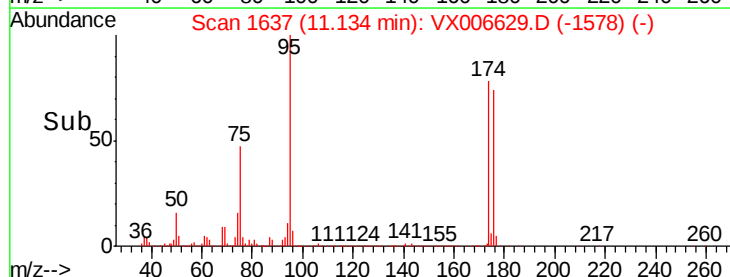
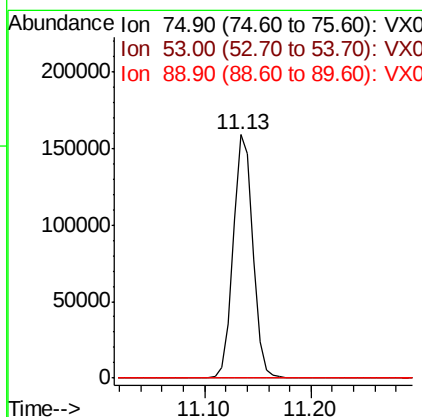
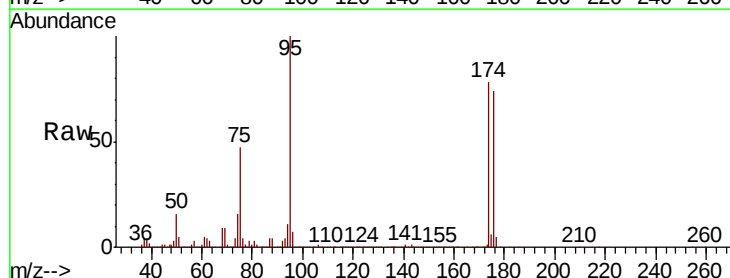
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17A_R1

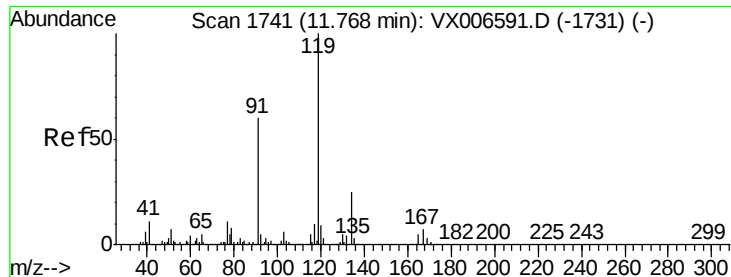
Tot Ion: 75 Resp: 206919
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.9 59.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.145 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006629.D
 Acq: 19 Dec 2018 06:05

Tgt Ion: 75 Resp: 206919
 Ion Ratio Lower Upper
 75 100
 53 0.1 64.4 96.6#
 89 0.1 44.2 66.4#

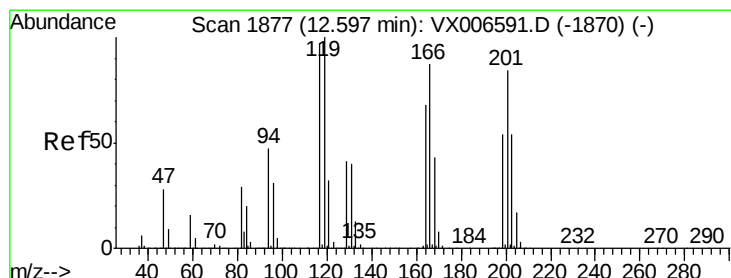
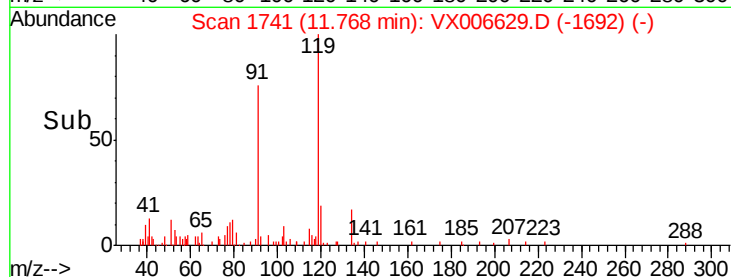
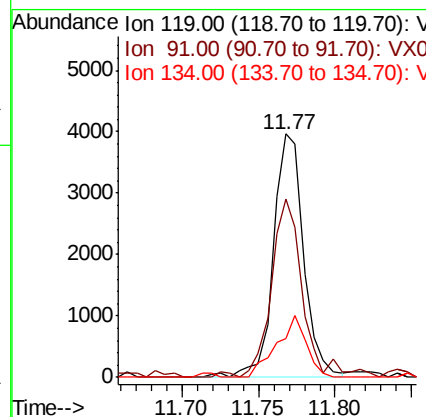
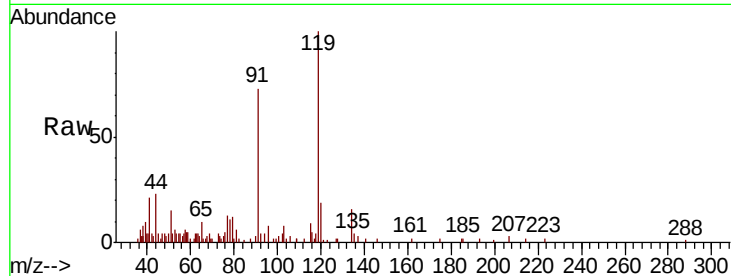




#83
tert-Butylbenzene
Concen: 0.219 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX006629.D
Acq: 19 Dec 2018 06:05

Instrument :
MSVOA_X
ClientSampleId :
MW-17A_R1

Tot Ion:119 Resp: 5478
Ion Ratio Lower Upper
119 100
91 76.9 26.4 79.2
134 24.5 11.6 34.7



#90
Hexachloroethane
Concen: 3.301 ug/l
RT: 12.65 min Scan# 1885
Delta R.T. 0.05 min
Lab File: VX006629.D
Acq: 19 Dec 2018 06:05

Tgt Ion:117 Resp: 35
Ion Ratio Lower Upper
117 100
201 54.3 44.7 134.1

