

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091818\
 Data File : VX004681.D
 Acq On : 19 Sep 2018 02:30
 Operator : JC/MD
 Sample : J4913-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW307S-20180913RE

Quant Time: Sep 19 05:43:50 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	252277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	350076	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	317798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211079	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	158175	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
35) Dibromofluoromethane	5.50	113	145787	45.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.02%	
50) Toluene-d8	8.71	98	463742	43.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.34%	
62) 4-Bromofluorobenzene	11.14	95	165203	43.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.16%	

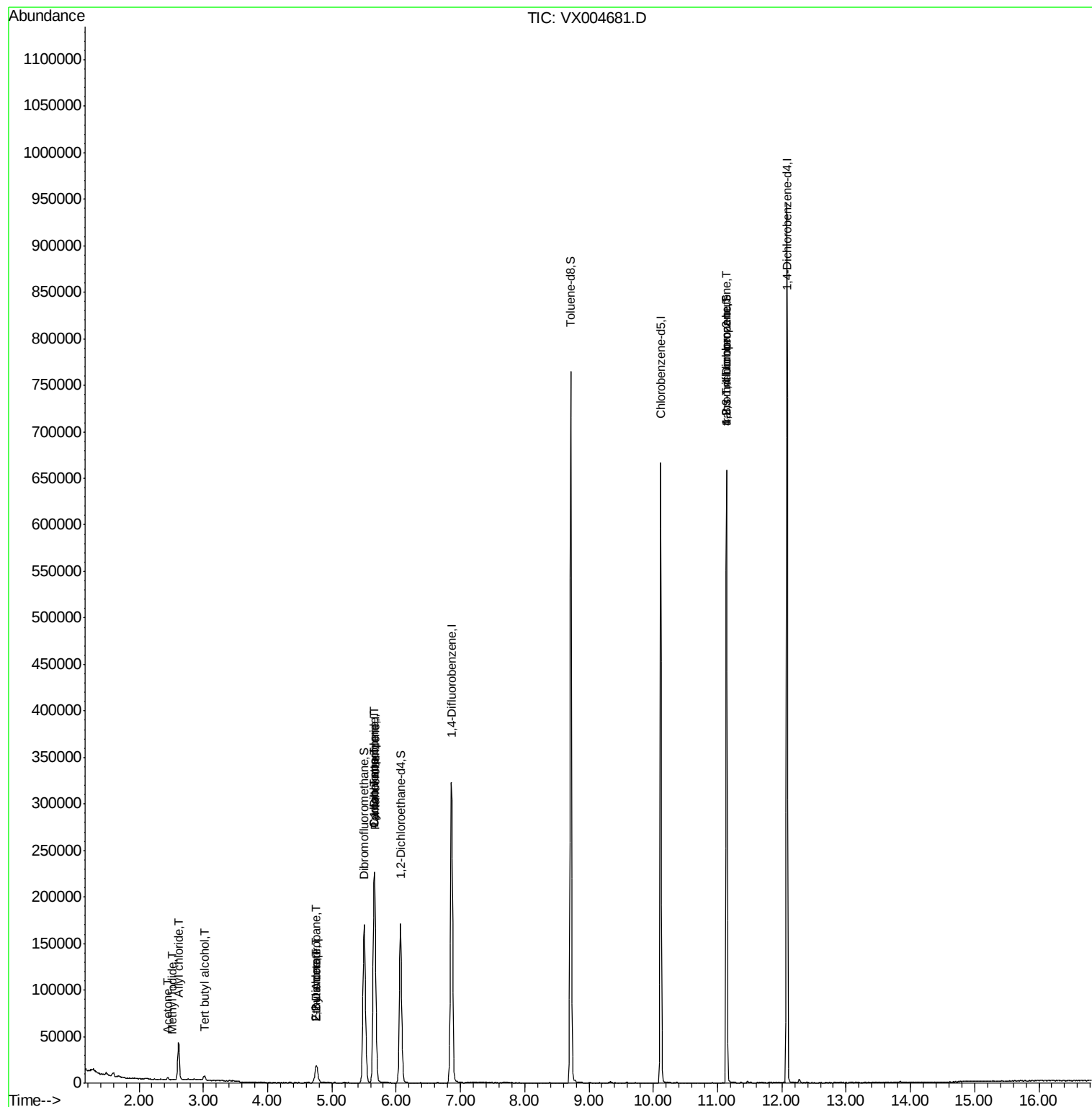
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	773	Below Cal	#	64
10) Methyl Iodide	2.52	142	300	4.338	ug/l #	84
11) Tert butyl alcohol	3.01	59	3052	3.932	ug/l #	75
14) Allyl chloride	2.62	41	3580	0.661	ug/l #	52
16) Acetone	2.45	43	2536	1.597	ug/l	99
25) 2-Butanone	4.76	43	1295	0.513	ug/l #	88
26) 2,2-Dichloropropane	4.76	77	1536	0.406	ug/l #	52
31) Cyclohexane	5.67	56	3883	0.825	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15616	3.674	ug/l #	49
37) Ethyl Acetate	4.76	43	1295	0.268	ug/l #	6
38) Carbon Tetrachloride	5.67	117	21603	5.204	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	75419	17.759	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	75419	56.608	ug/l #	10

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004681.D

Acq: 19 Sep 2018 02:30

Instrument :

MSVOA_X

ClientSampleId :

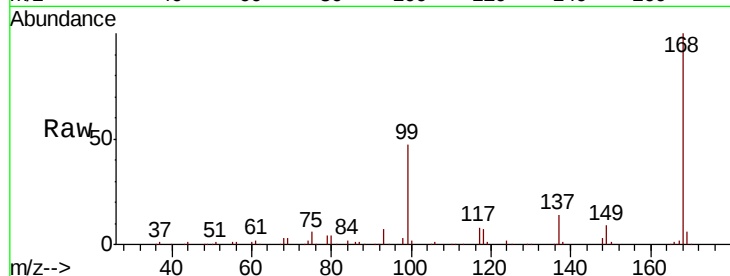
BPS1-TT-MW307S-20180913RE

Tgt Ion:168 Resp: 252277

Ion Ratio Lower Upper

168 100

99 46.6 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

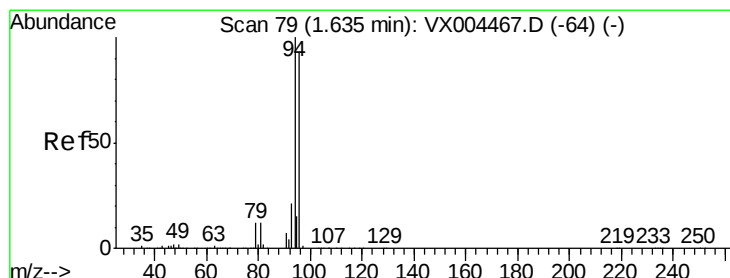
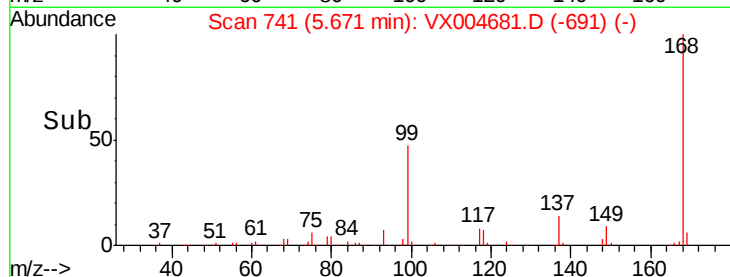
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004681.D

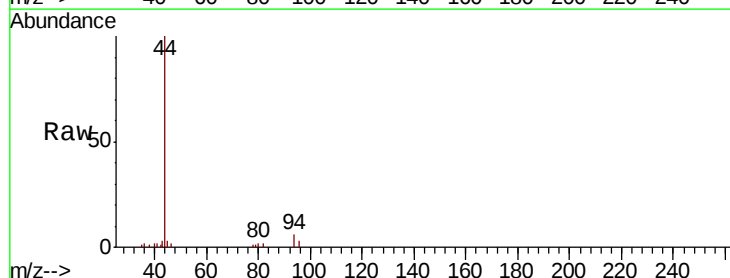
Acq: 19 Sep 2018 02:30

Tgt Ion: 94 Resp: 773

Ion Ratio Lower Upper

94 100

96 58.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

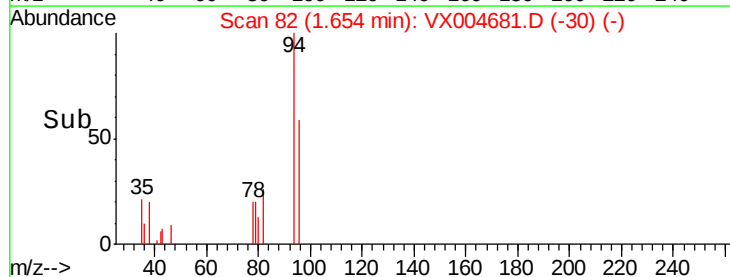
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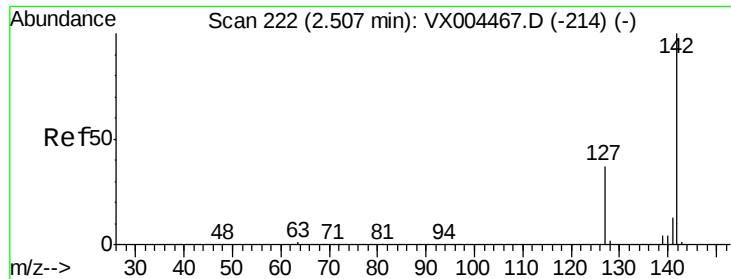
100

0

Time-->

1.60 1.65 1.70 1.75

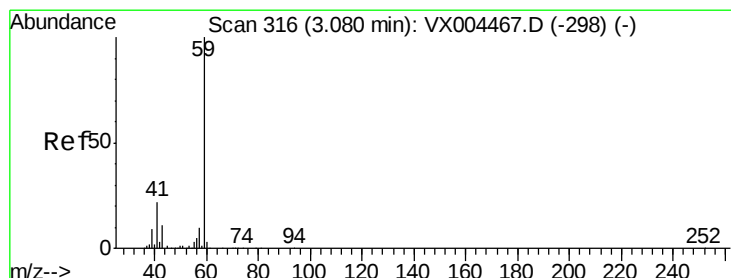
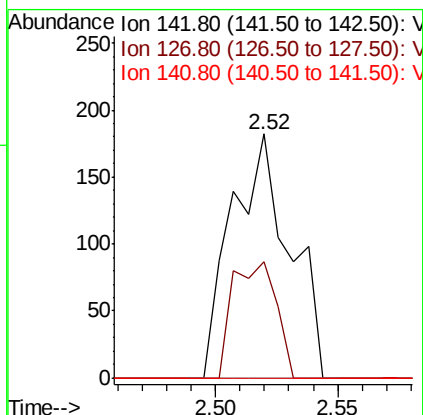
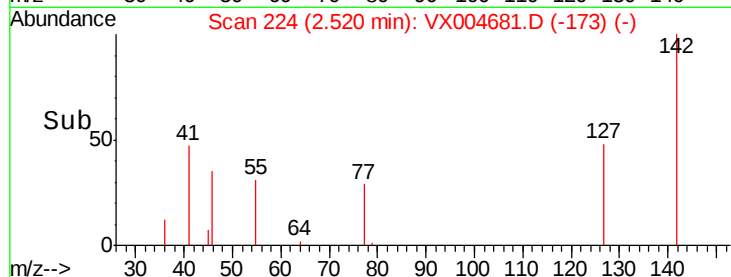
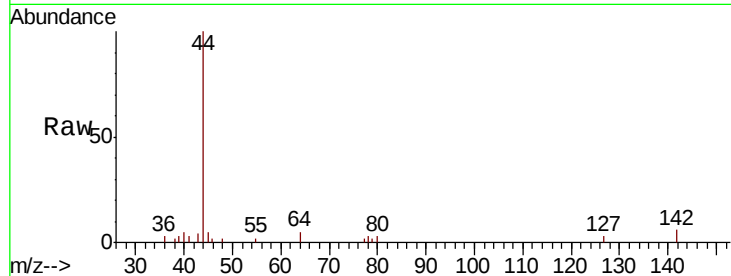




#10
Methyl Iodide
Concen: 4.338 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004681.D
Acq: 19 Sep 2018 02:30

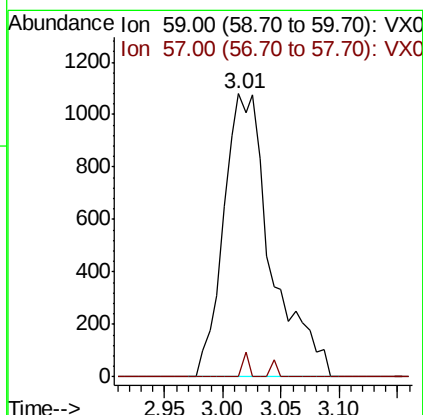
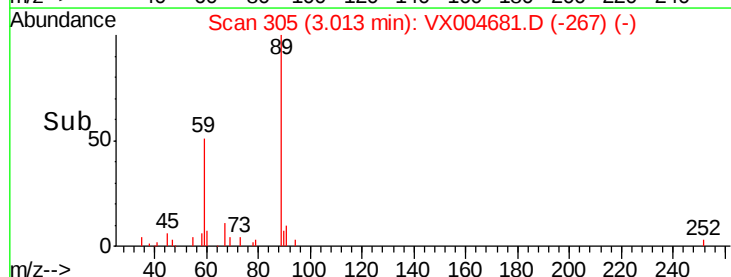
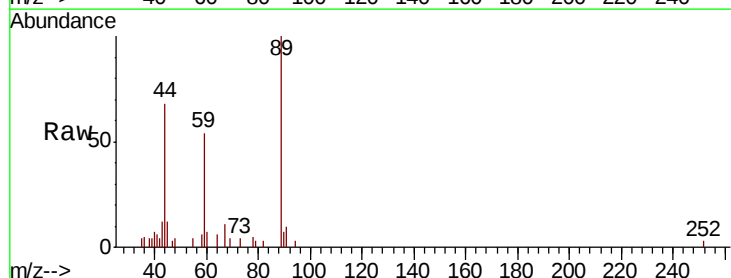
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW307S-20180913RE

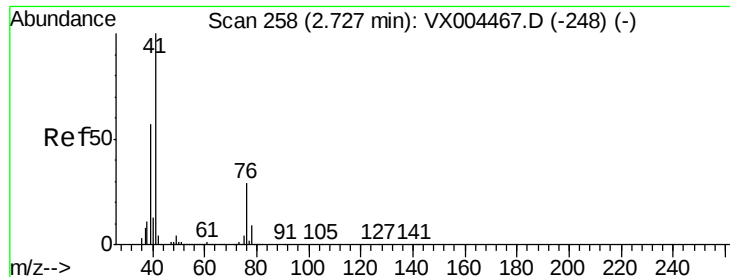
Tgt Ion:142 Resp: 300
Ion Ratio Lower Upper
142 100
127 36.0 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.932 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX004681.D
Acq: 19 Sep 2018 02:30

Tgt Ion: 59 Resp: 3052
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.4#

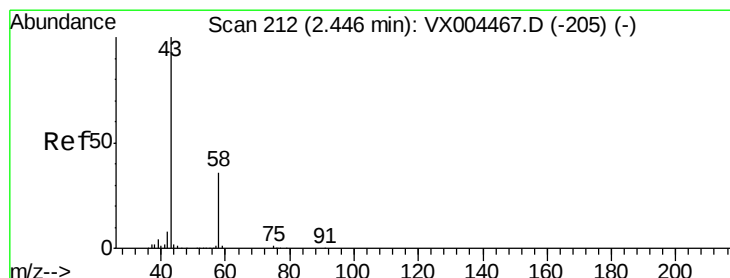
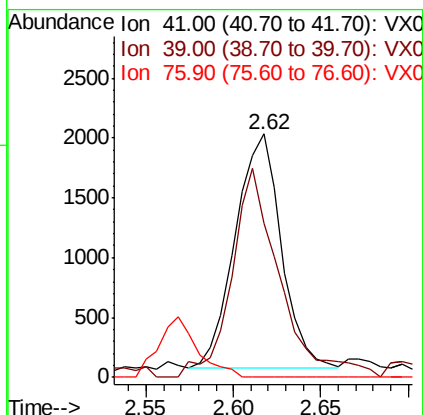
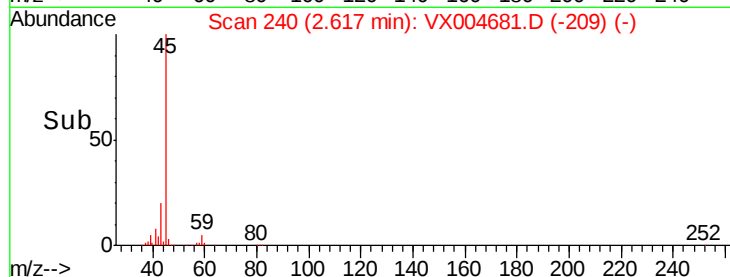
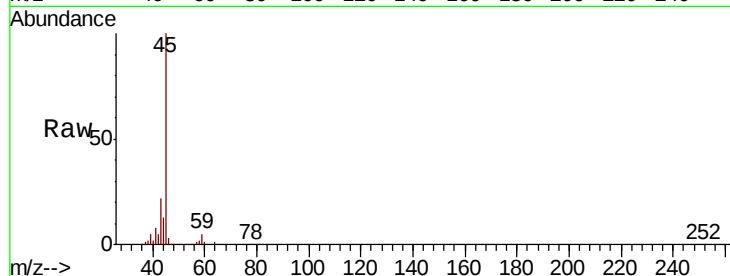




#14
 Allyl chloride
 Concen: 0.661 ug/l
 RT: 2.62 min Scan# 240
 Delta R.T. -0.11 min
 Lab File: VX004681.D
 Acq: 19 Sep 2018 02:30

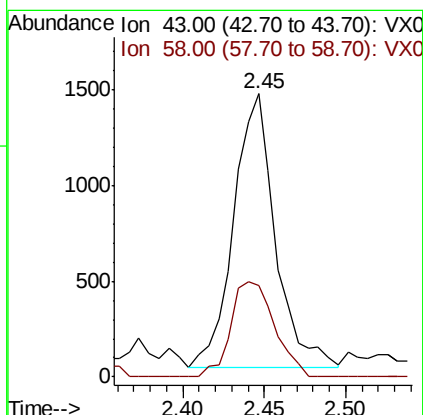
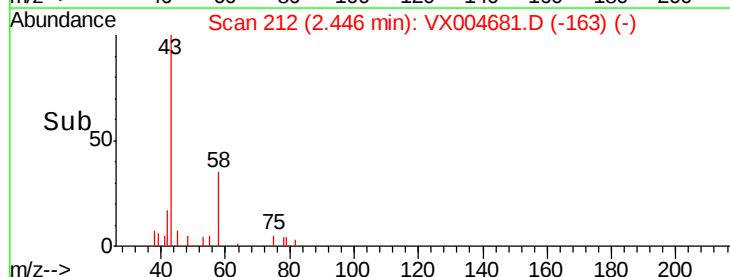
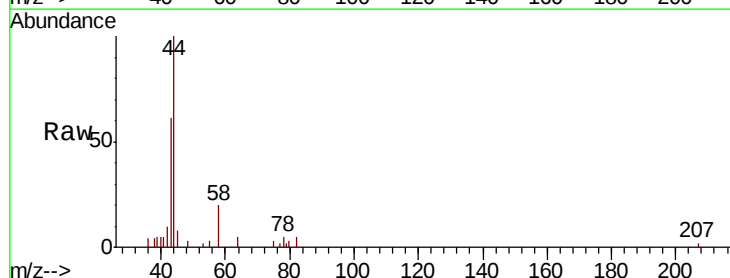
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW307S-20180913RE

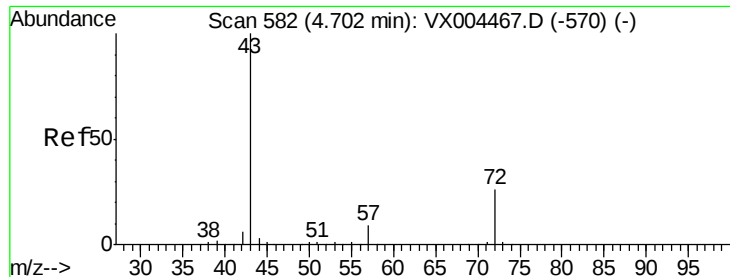
Tgt Ion: 41 Resp: 3580
 Ion Ratio Lower Upper
 41 100
 39 93.5 48.9 73.3#
 76 0.0 26.7 40.1#



#16
 Acetone
 Concen: 1.597 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX004681.D
 Acq: 19 Sep 2018 02:30

Tgt Ion: 43 Resp: 2536
 Ion Ratio Lower Upper
 43 100
 58 33.6 26.2 39.4





#25

2-Butanone

Concen: 0.513 ug/l

RT: 4.76 min Scan# 592

Delta R.T. 0.06 min

Lab File: VX004681.D

Acq: 19 Sep 2018 02:30

Instrument :

MSVOA_X

ClientSampleId :

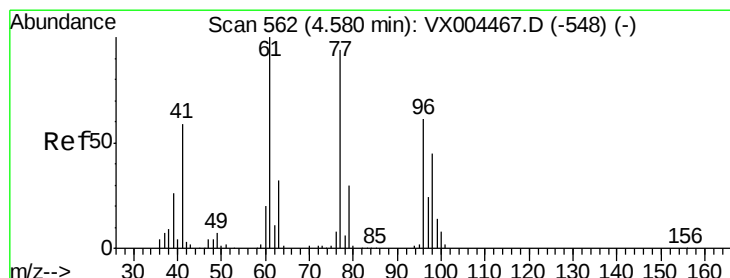
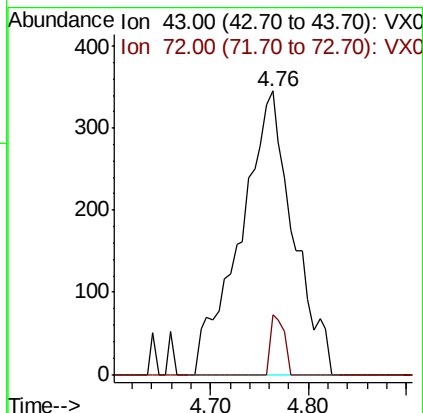
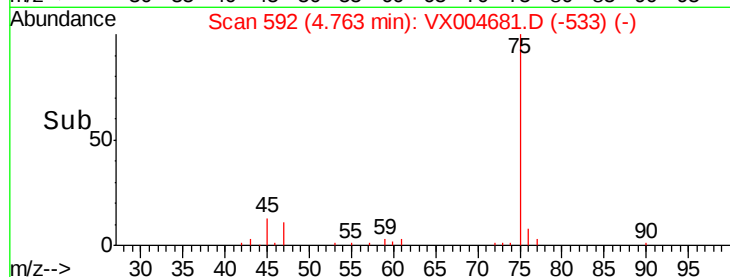
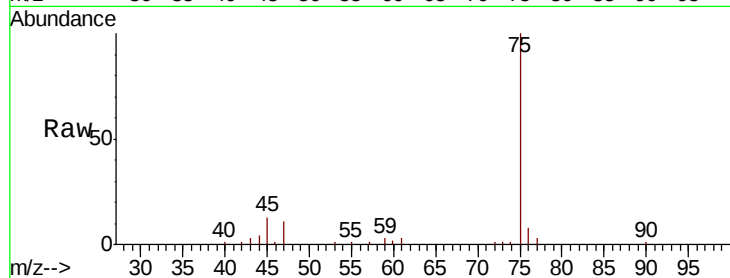
BPS1-TT-MW307S-20180913RE

Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

72 21.2 22.0 33.0#



#26

2,2-Dichloropropane

Concen: 0.406 ug/l

RT: 4.76 min Scan# 591

Delta R.T. 0.18 min

Lab File: VX004681.D

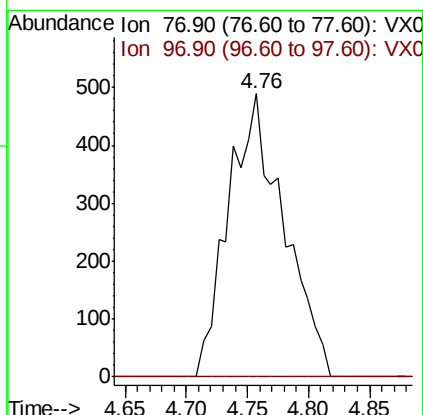
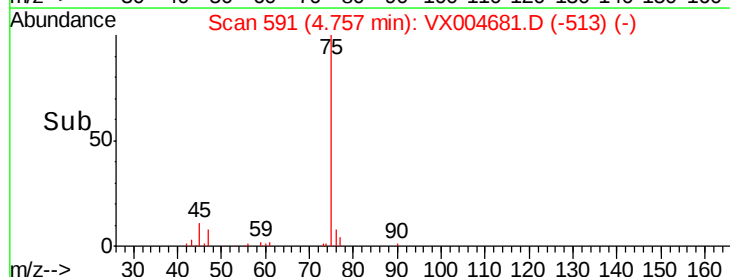
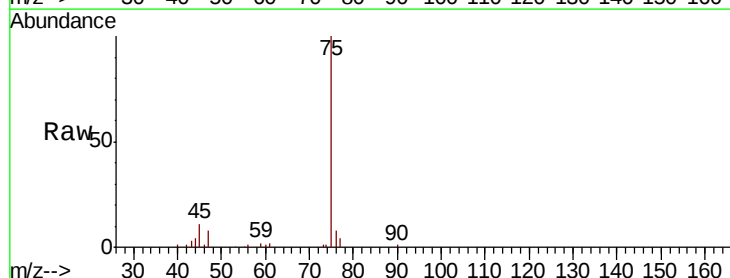
Acq: 19 Sep 2018 02:30

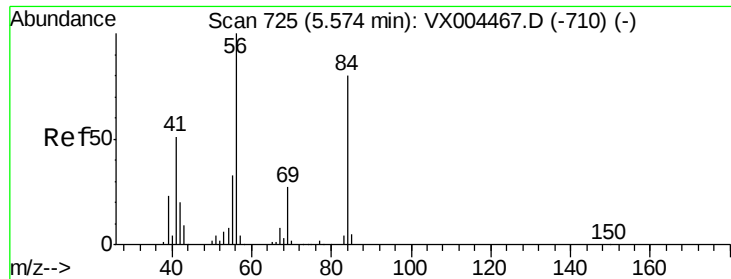
Tgt Ion: 77 Resp: 1536

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

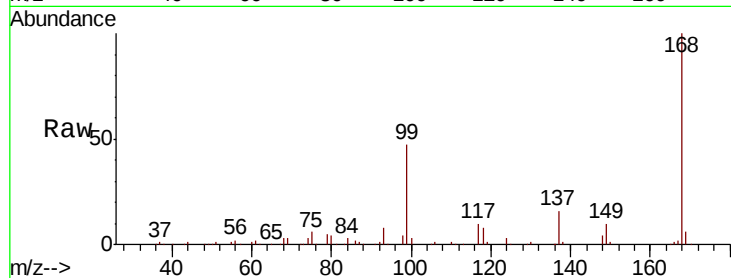




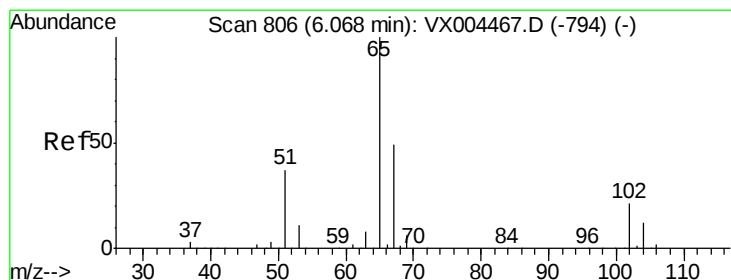
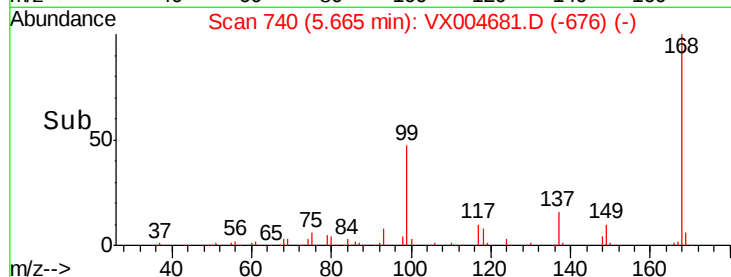
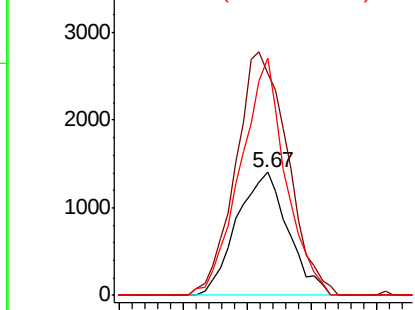
#31
Cyclohexane
Concen: 0.825 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004681.D
Acq: 19 Sep 2018 02:30

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 56 Resp: 3883
Ion Ratio Lower Upper
56 100
69 181.1 25.4 38.2#
84 193.7 71.4 107.2#

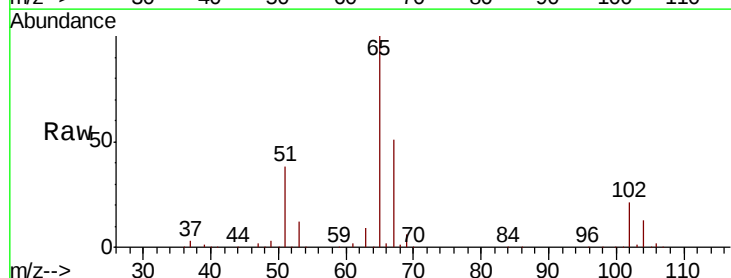


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

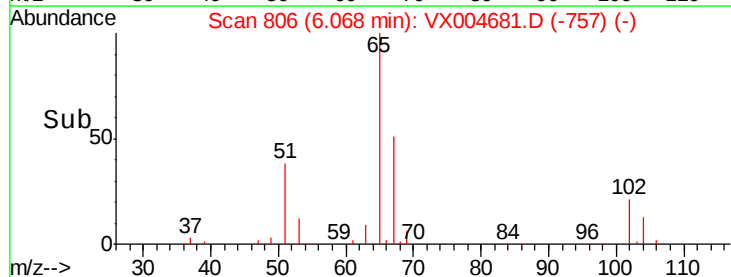
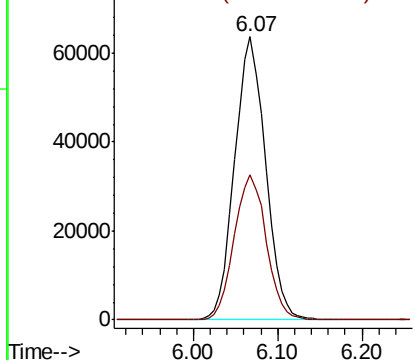


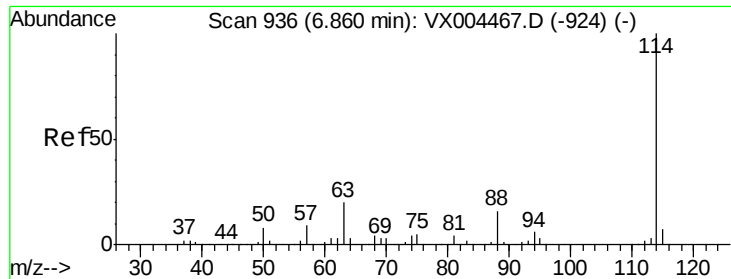
#33
1,2-Dichloroethane-d4
Concen: 48.626 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004681.D
Acq: 19 Sep 2018 02:30

Tgt Ion: 65 Resp: 158175
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8



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

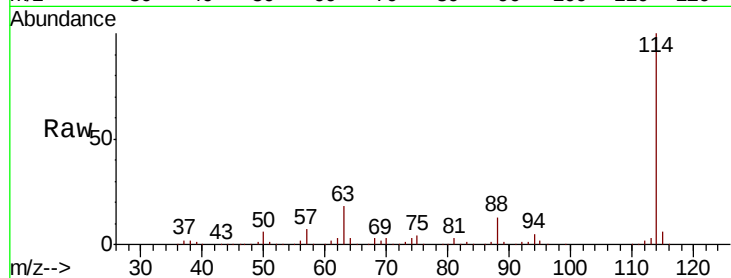




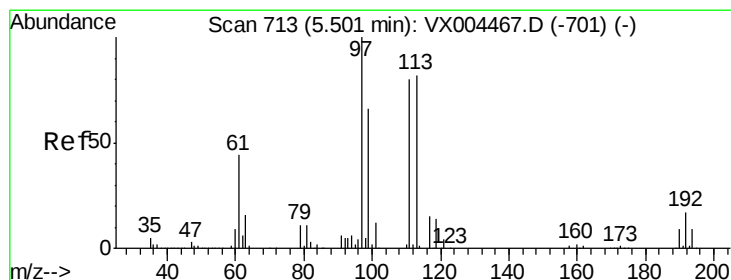
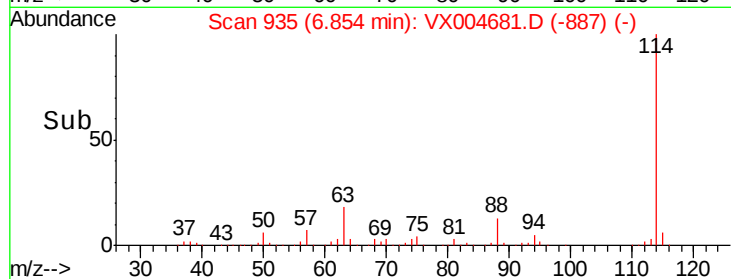
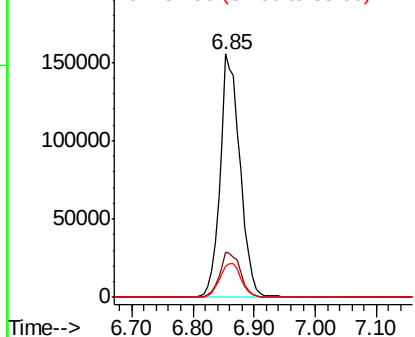
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX004681.D
 Acq: 19 Sep 2018 02:30

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW307S-20180913RE

Tgt Ion:114 Resp: 350076
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.0
 88 12.6 0.0 30.4

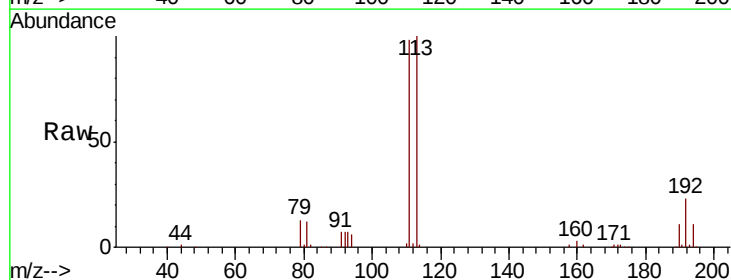


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

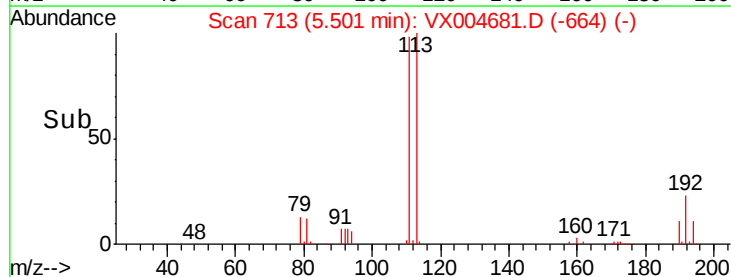
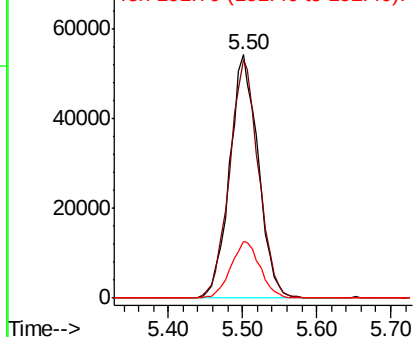


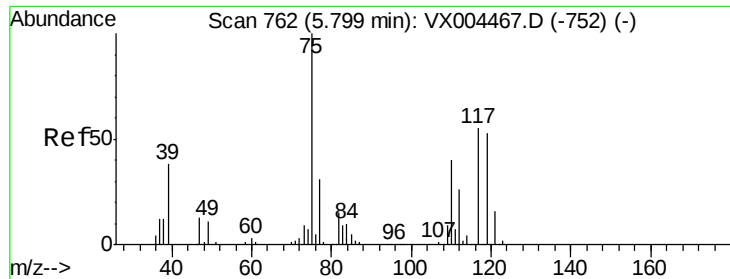
#35
 Dibromofluoromethane
 Concen: 45.508 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004681.D
 Acq: 19 Sep 2018 02:30

Tgt Ion:113 Resp: 145787
 Ion Ratio Lower Upper
 113 100
 111 99.6 82.4 123.6
 192 23.7 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

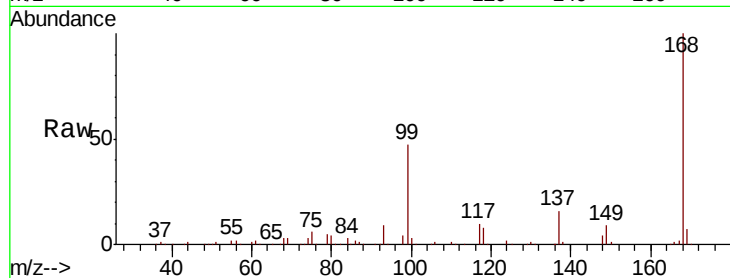




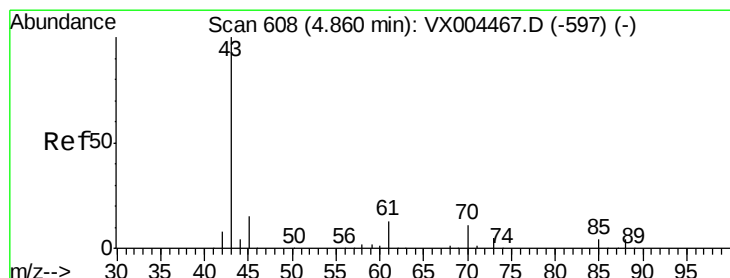
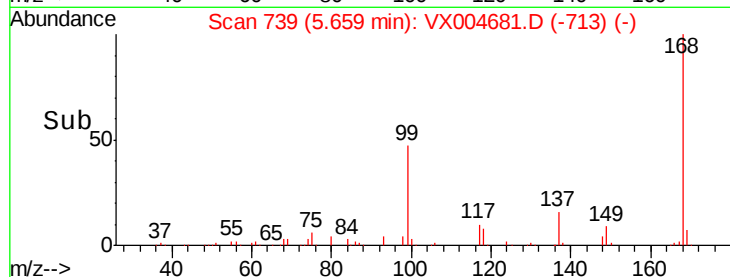
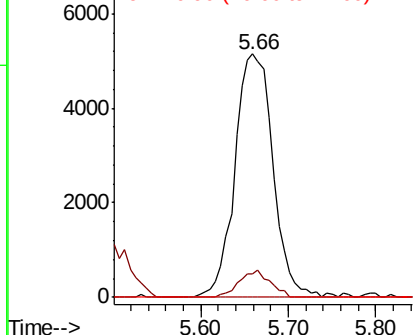
#36
 1,1-Dichloropropene
 Concen: 3.674 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004681.D
 Acq: 19 Sep 2018 02:30

Instrument :
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 ClientSampleId :
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Tgt Ion: 75 Resp: 15616
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.0 54.0#
 77 0.0 24.6 36.8#

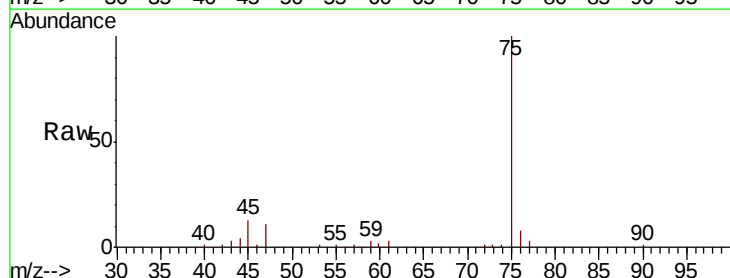


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

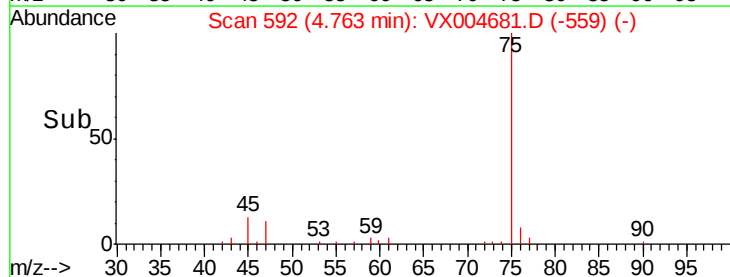
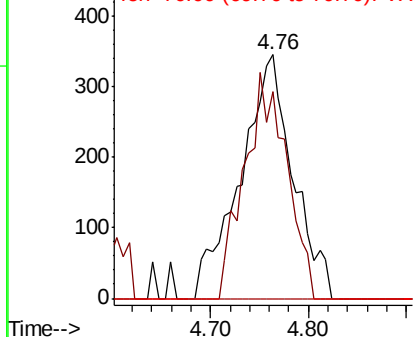


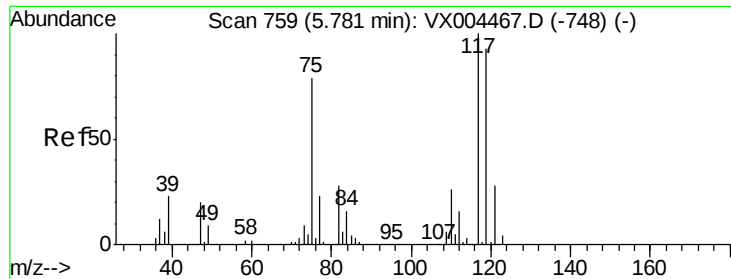
#37
 Ethyl Acetate
 Concen: 0.268 ug/l
 RT: 4.76 min Scan# 592
 Delta R.T. -0.10 min
 Lab File: VX004681.D
 Acq: 19 Sep 2018 02:30

Tgt Ion: 43 Resp: 1295
 Ion Ratio Lower Upper
 43 100
 61 73.9 11.5 17.3#
 70 0.0 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





#38

Carbon Tetrachloride

Concen: 5.204 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004681.D

Acq: 19 Sep 2018 02:30

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW307S-20180913RE

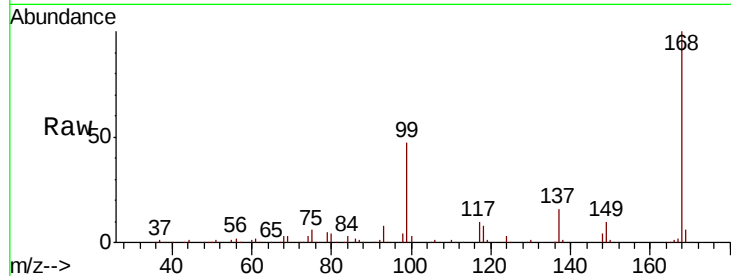
Tgt Ion:117 Resp: 21603

Ion Ratio Lower Upper

117 100

119 5.3 78.8 118.2#

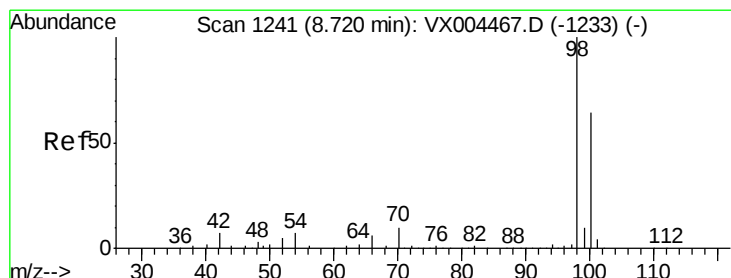
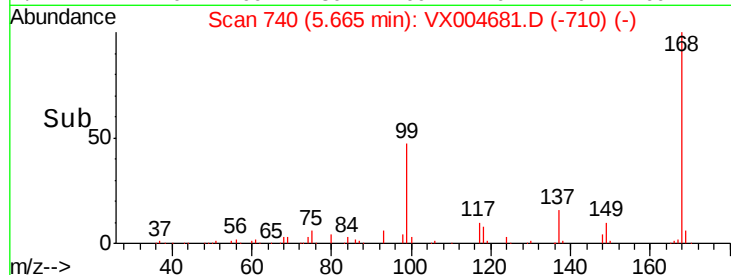
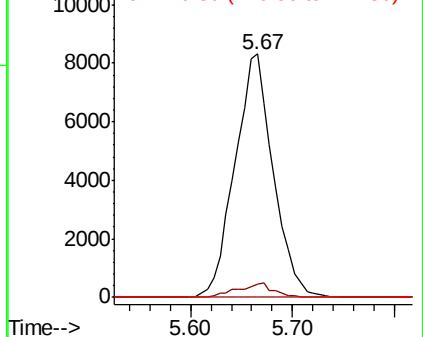
121 0.0 24.9 37.3#



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: 43.167 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004681.D

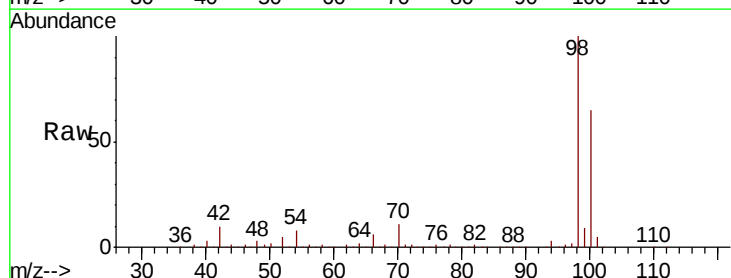
Acq: 19 Sep 2018 02:30

Tgt Ion: 98 Resp: 463742

Ion Ratio Lower Upper

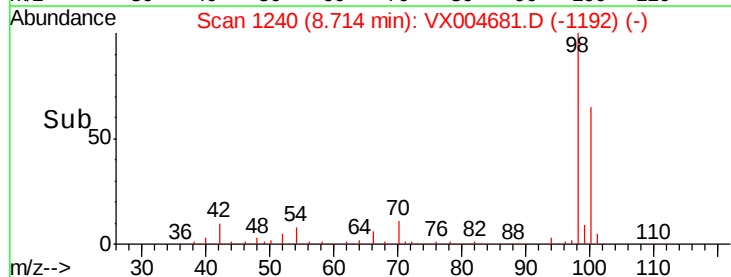
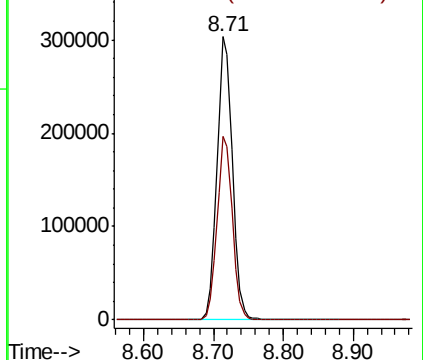
98 100

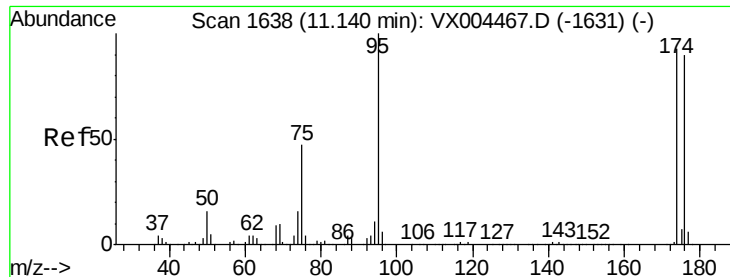
100 64.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.080 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004681.D

Acq: 19 Sep 2018 02:30

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW307S-20180913RE

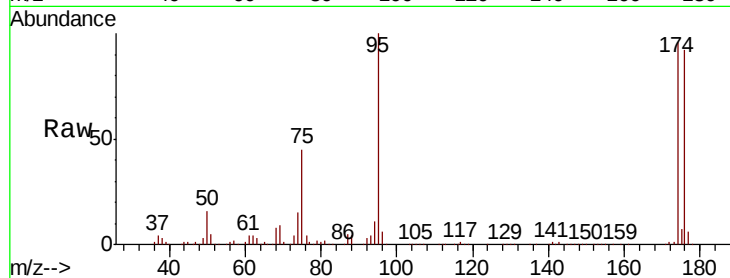
Tgt Ion: 95 Resp: 165203

Ion Ratio Lower Upper

95 100

174 95.1 0.0 185.2

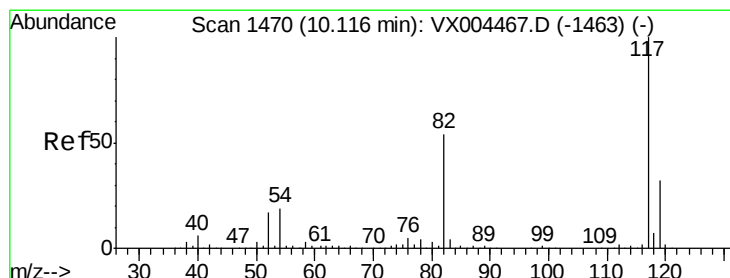
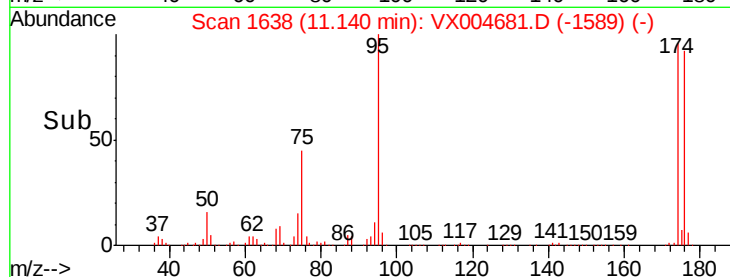
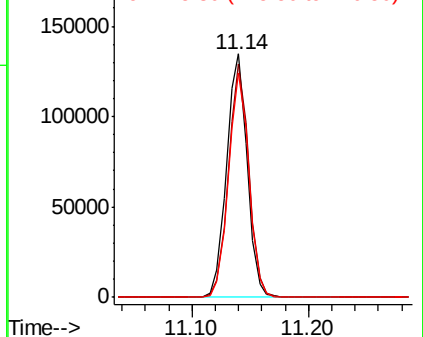
176 91.5 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004681.D

Acq: 19 Sep 2018 02:30

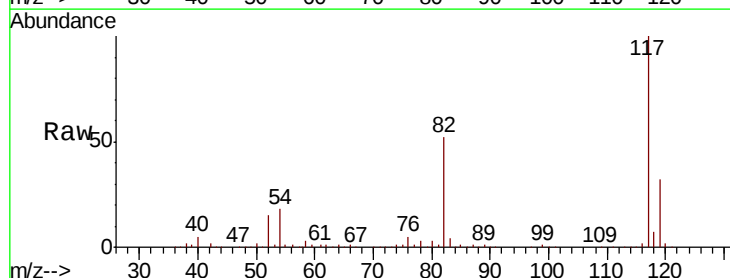
Tgt Ion: 117 Resp: 317798

Ion Ratio Lower Upper

117 100

82 51.6 47.8 71.6

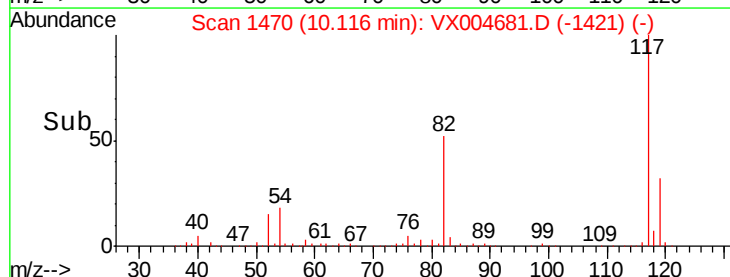
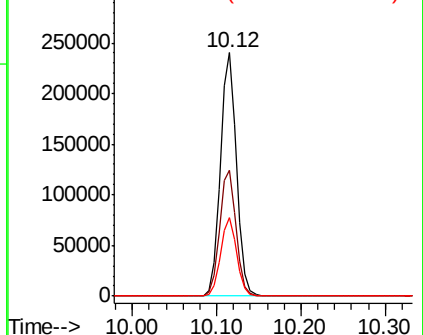
119 32.3 29.3 43.9

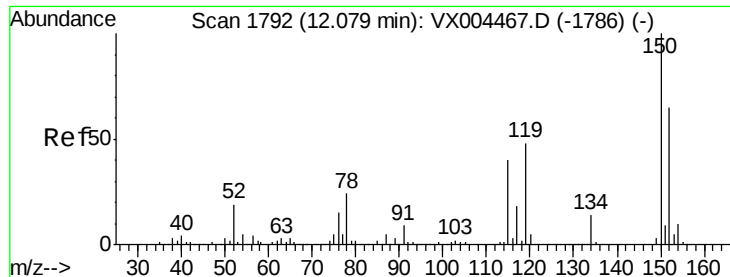


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004681.D

Acq: 19 Sep 2018 02:30

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW307S-20180913RE

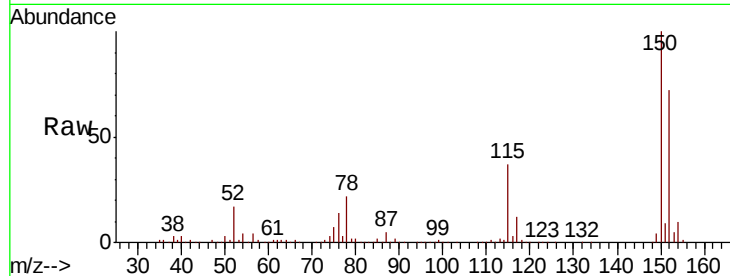
Tgt Ion:152 Resp: 211079

Ion Ratio Lower Upper

152 100

115 54.5 39.0 117.0

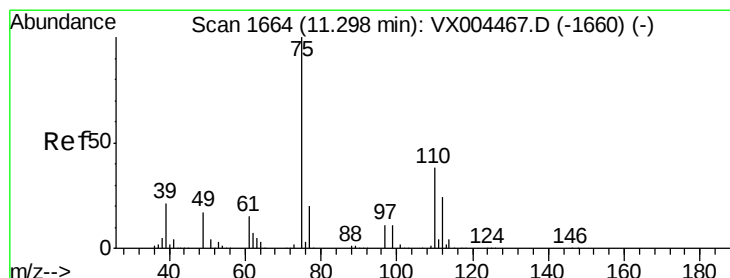
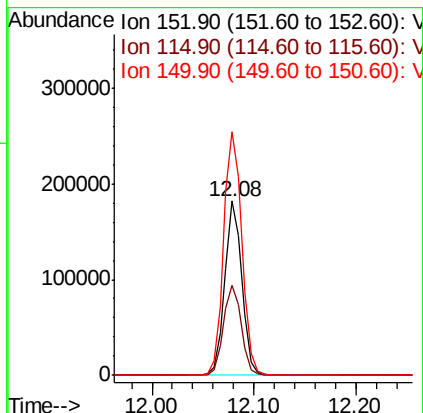
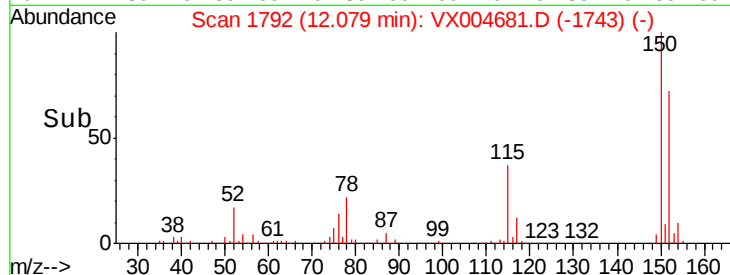
150 149.3 0.0 351.0



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: 17.759 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004681.D

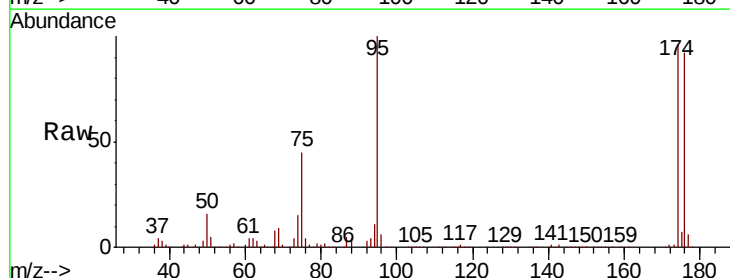
Acq: 19 Sep 2018 02:30

Tgt Ion: 75 Resp: 75419

Ion Ratio Lower Upper

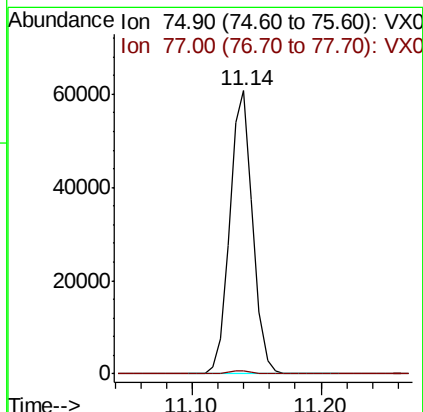
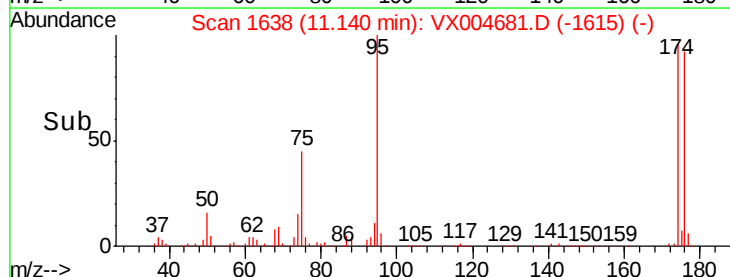
75 100

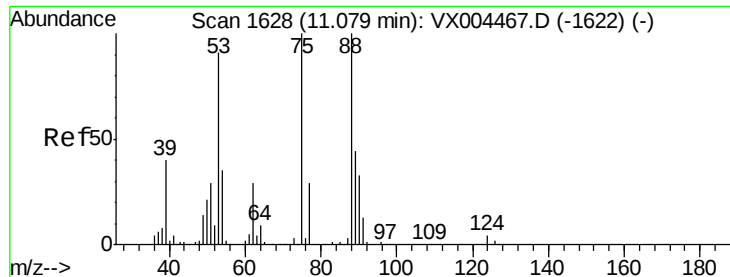
77 1.2 20.2 60.6#



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: 56.608 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004681.D

Acq: 19 Sep 2018 02:30

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW307S-20180913RE

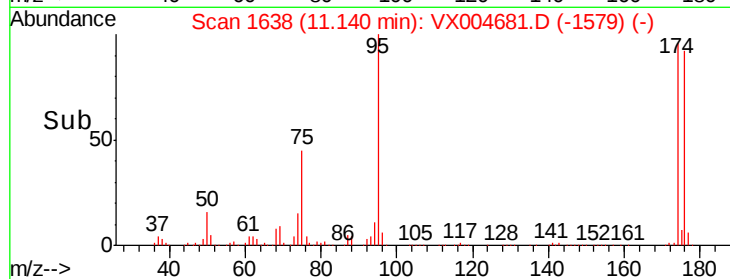
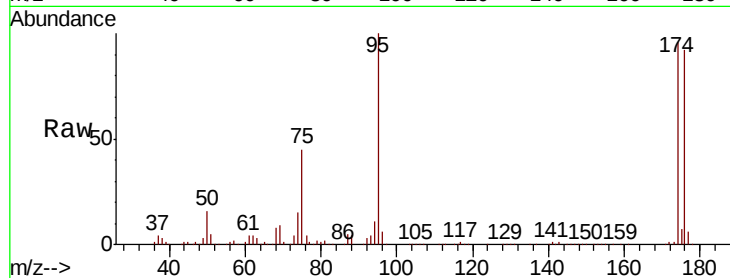
Tgt Ion: 75 Resp: 75419

Ion Ratio Lower Upper

75 100

53 0.1 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

