

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
 Data File : VX010162.D
 Acq On : 09 Jun 2019 00:30
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

Quant Time: Jun 10 08:06:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	280592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	427973	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	388050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178304	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	126660	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
35) Dibromofluoromethane	5.50	113	131294	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	8.71	98	502391	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	11.13	95	172647	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	474	0.521	ug/l #	48
6) Chloroethane	1.71	64	248	0.204	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1005	0.407	ug/l #	83
11) Tert butyl alcohol	3.02	59	11253	16.772	ug/l #	78
13) Acrolein	2.32	56	85	0.695	ug/l #	72
16) Acetone	2.45	43	802	0.623	ug/l #	82
25) 2-Butanone	4.70	43	1441	0.751	ug/l #	87
31) Cyclohexane	5.67	56	4554	1.143	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16735	4.793	ug/l #	51
38) Carbon Tetrachloride	5.66	117	24119	6.103	ug/l #	16
44) Trichloroethene	7.22	130	2502	0.769	ug/l	76
49) 1,4-Dioxane	7.62	88	19	0.235	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	79540	22.302	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	79540	49.276	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_X

ClientSampled :

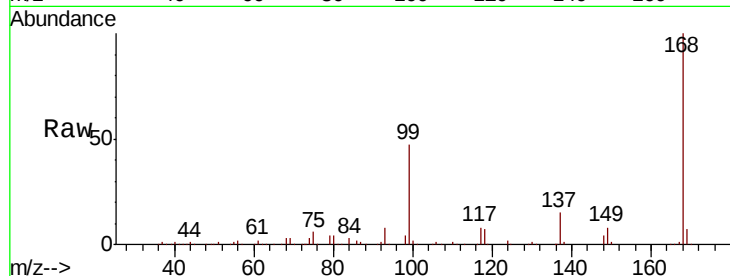
I.BLK

Tgt Ion:168 Resp: 280592

Ion Ratio Lower Upper

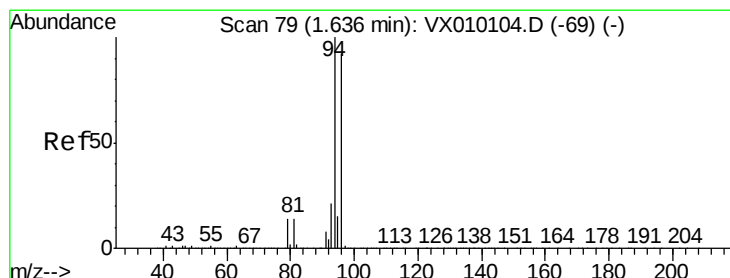
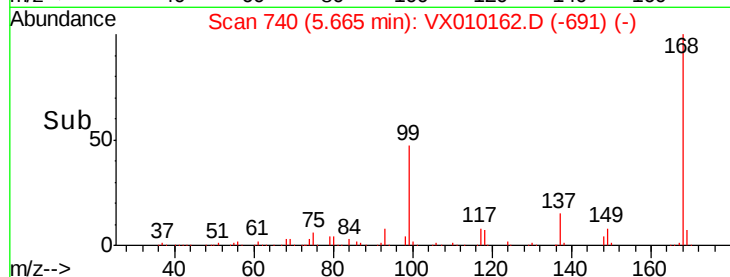
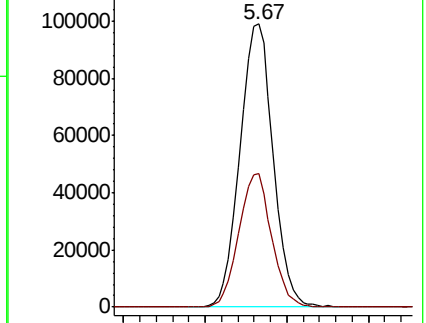
168 100

99 47.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.521 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010162.D

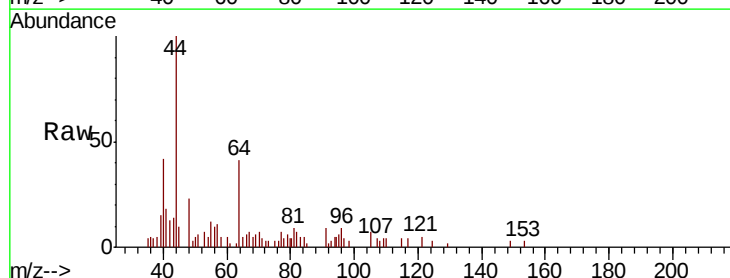
Acq: 09 Jun 2019 00:30

Tgt Ion: 94 Resp: 474

Ion Ratio Lower Upper

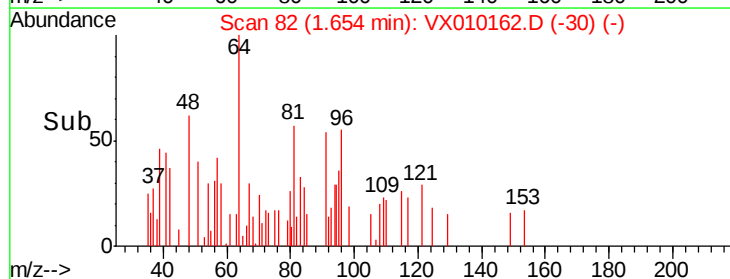
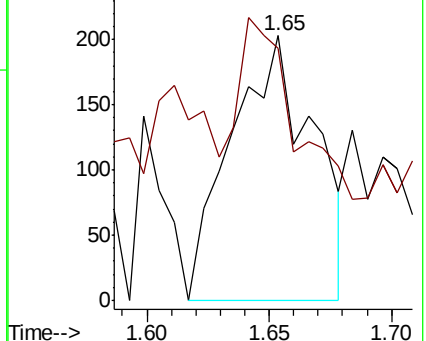
94 100

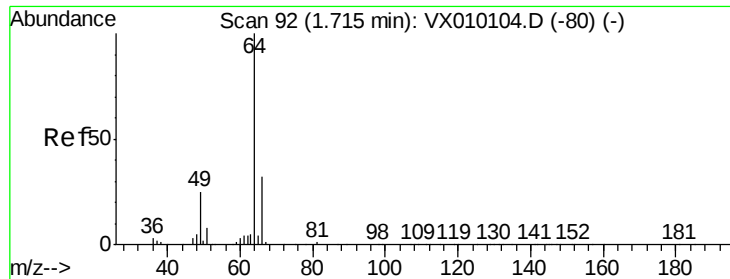
96 44.3 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.204 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_X

ClientSampled :

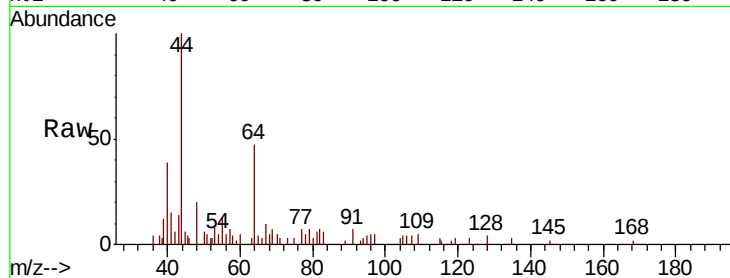
I.BLK

Tgt Ion: 64 Resp: 248

Ion Ratio Lower Upper

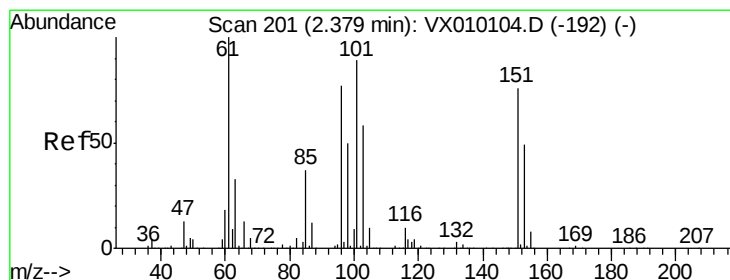
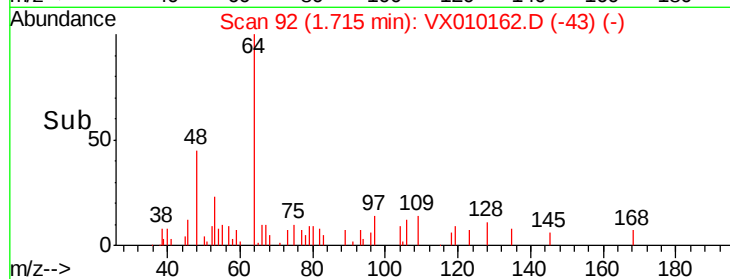
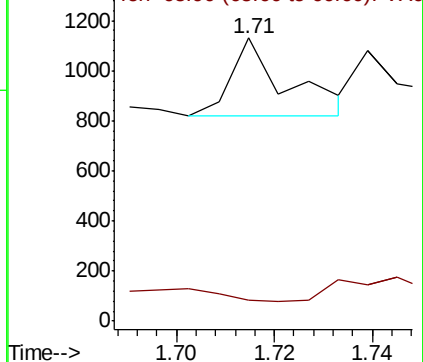
64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.407 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

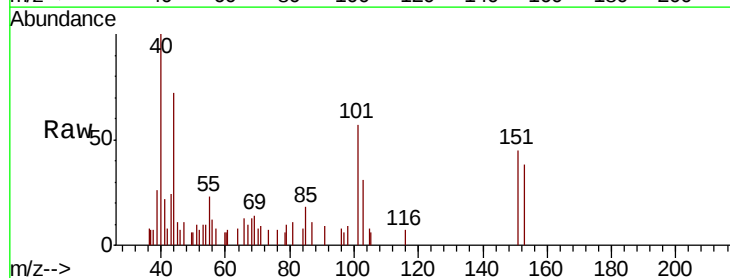
Tgt Ion: 101 Resp: 1005

Ion Ratio Lower Upper

101 100

85 52.5 35.2 52.8

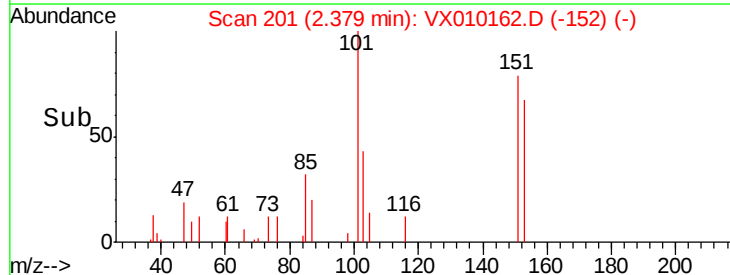
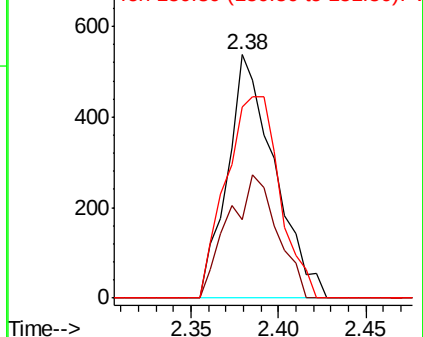
151 94.5 61.9 92.9#

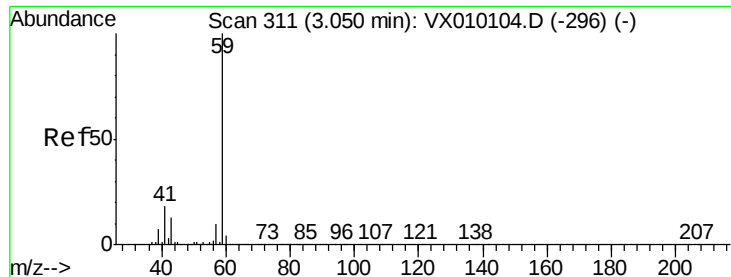


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

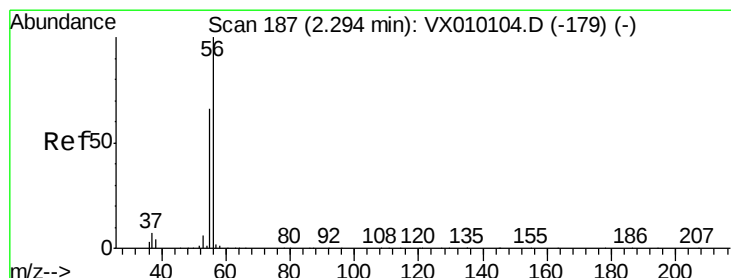
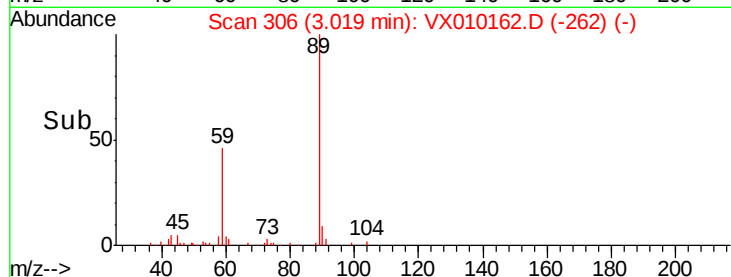
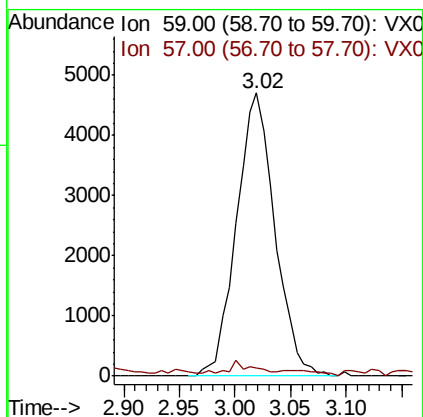
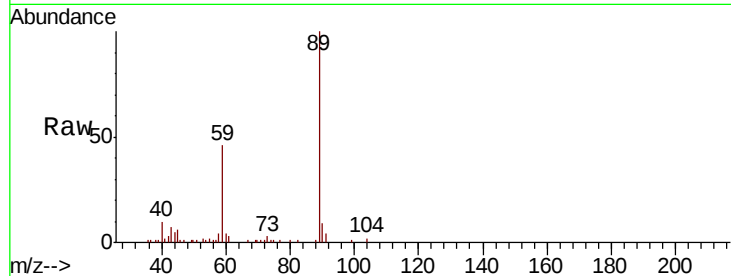




#11
Tert butyl alcohol
Concen: 16.772 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010162.D
Acq: 09 Jun 2019 00:30

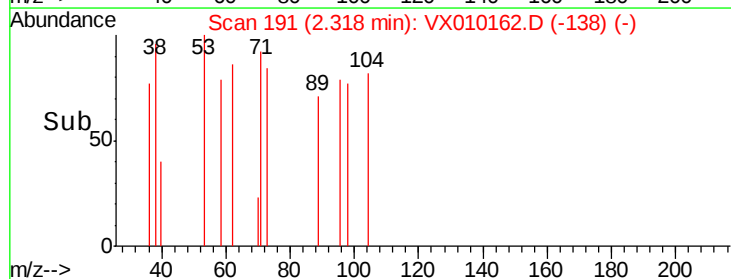
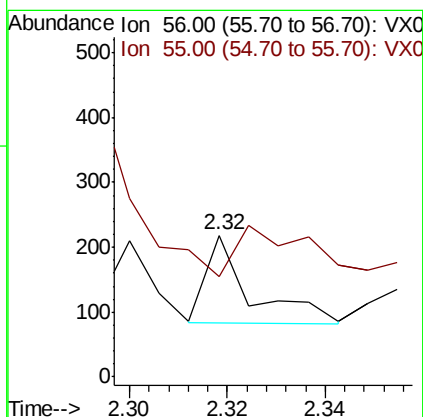
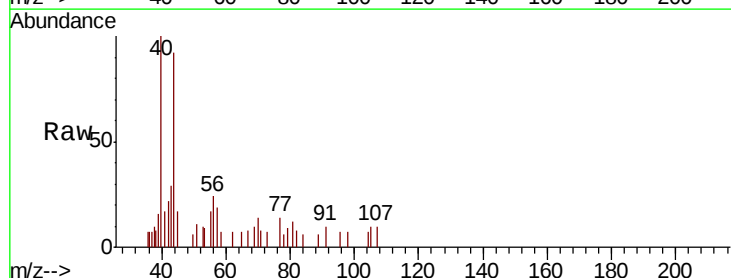
Instrument :
MSVOA_X
ClientSampled :
I.BLK

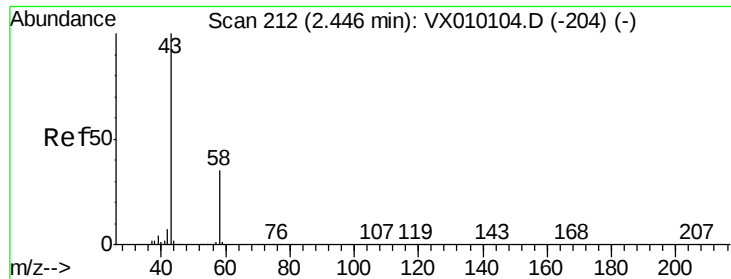
Tgt Ion: 59 Resp: 11253
Ion Ratio Lower Upper
59 100
57 1.8 8.2 12.2#



#13
Acrolein
Concen: 0.695 ug/l
RT: 2.32 min Scan# 191
Delta R.T. 0.02 min
Lab File: VX010162.D
Acq: 09 Jun 2019 00:30

Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 94.1 57.0 85.4#





#16

Acetone

Concen: 0.623 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

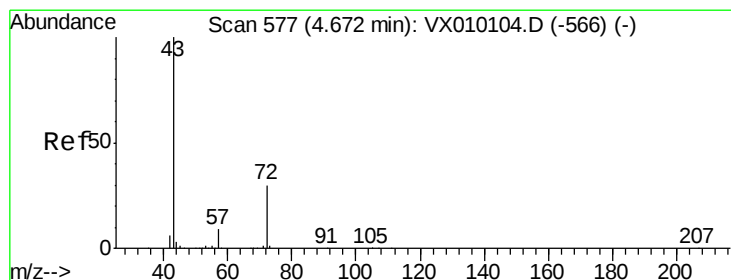
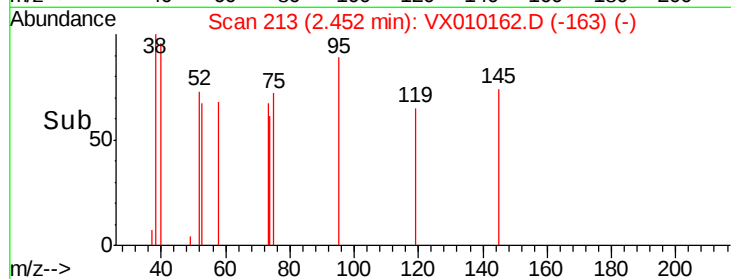
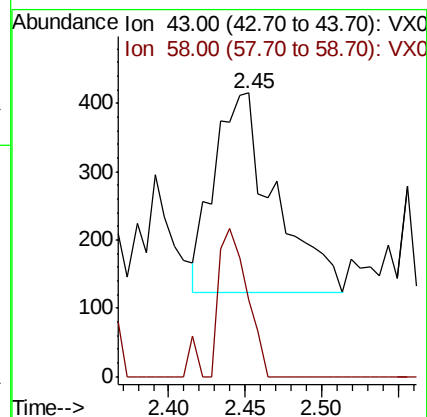
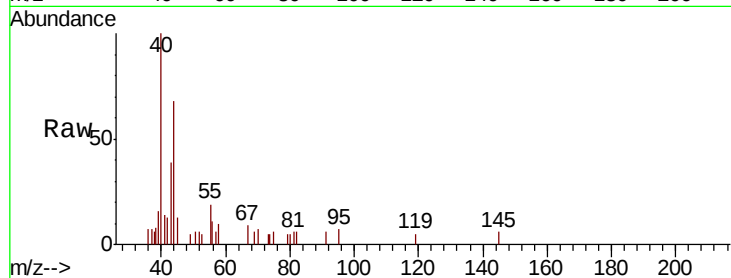
I.BLK

Tgt Ion: 43 Resp: 802

Ion Ratio Lower Upper

43 100

58 38.4 23.2 34.8#



#25

2-Butanone

Concen: 0.751 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010162.D

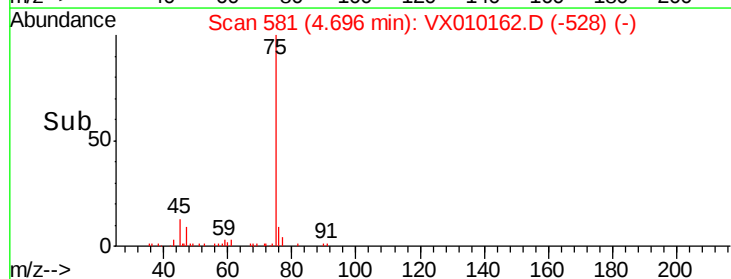
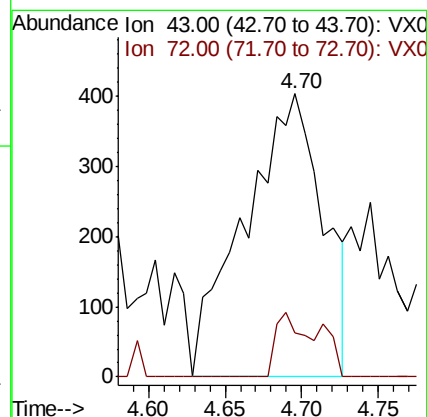
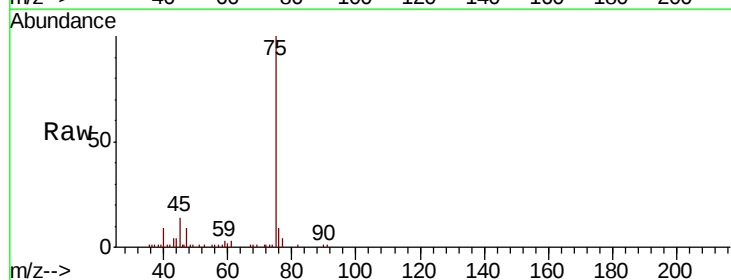
Acq: 09 Jun 2019 00:30

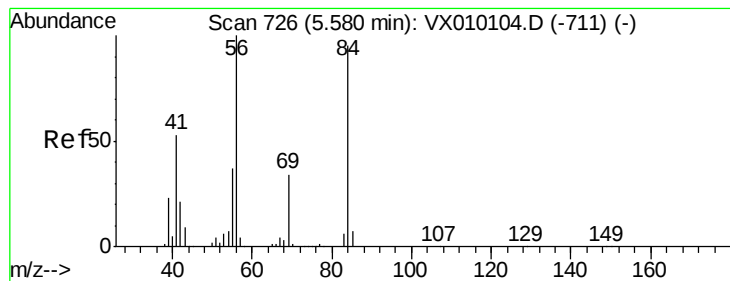
Tgt Ion: 43 Resp: 1441

Ion Ratio Lower Upper

43 100

72 15.6 17.5 26.3#





#31

Cyclohexane

Concen: 1.143 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

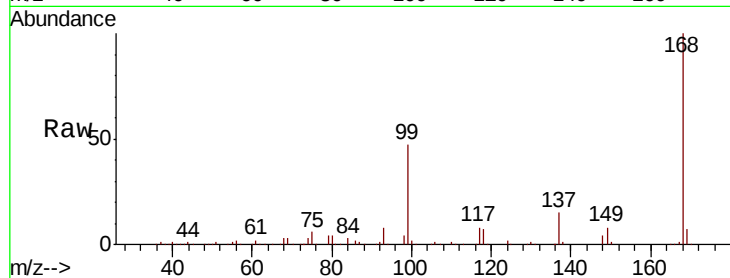
Tgt Ion: 56 Resp: 4554

Ion Ratio Lower Upper

56 100

69 166.3 21.6 32.4#

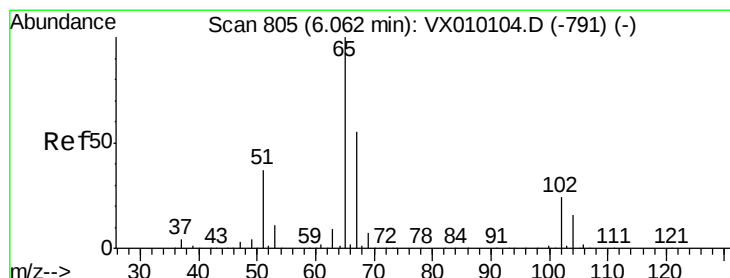
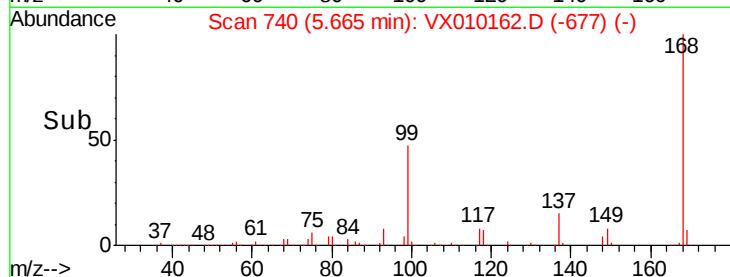
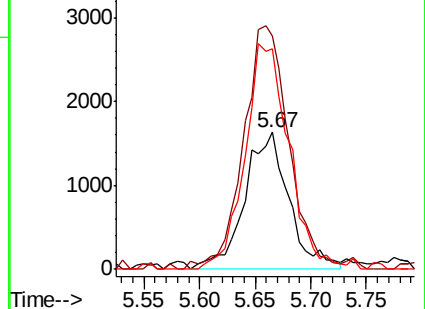
84 161.1 56.8 85.2#



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: 46.245 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010162.D

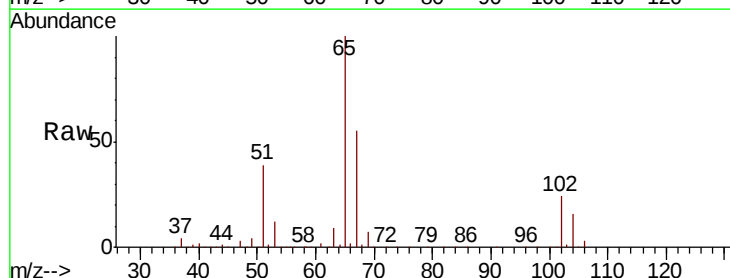
Acq: 09 Jun 2019 00:30

Tgt Ion: 65 Resp: 126660

Ion Ratio Lower Upper

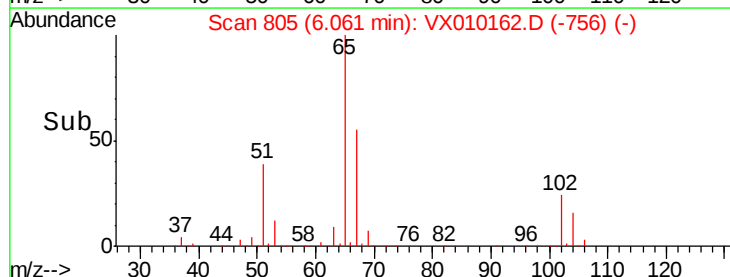
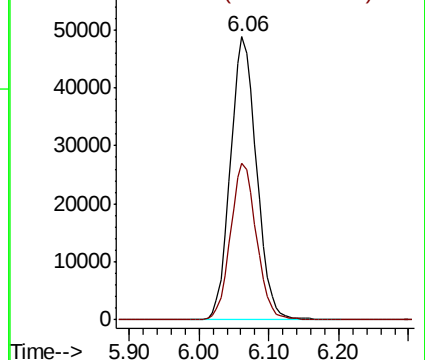
65 100

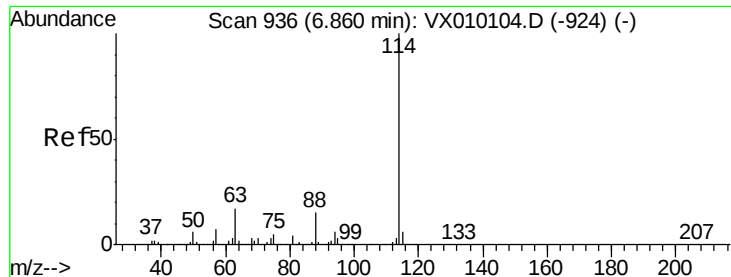
67 54.9 0.0 108.4



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: VX010162.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

I.BLK

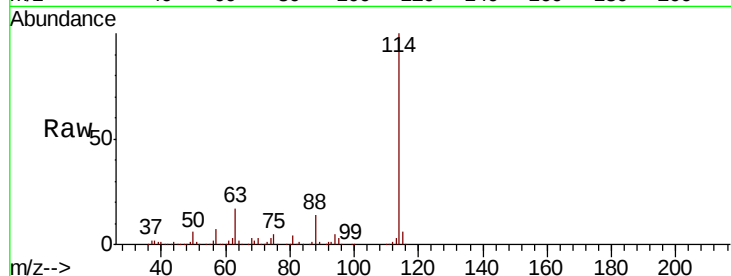
Tgt Ion:114 Resp: 427973

Ion Ratio Lower Upper

114 100

63 17.2 0.0 47.4

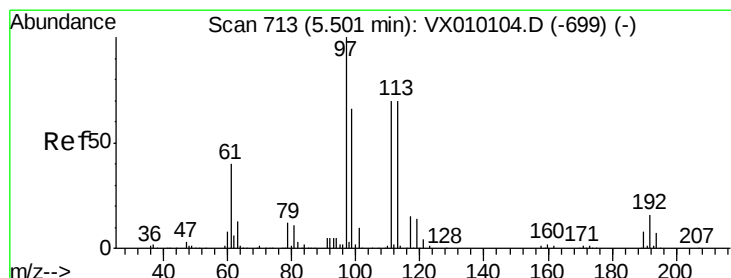
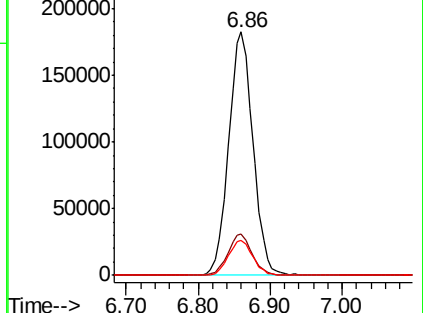
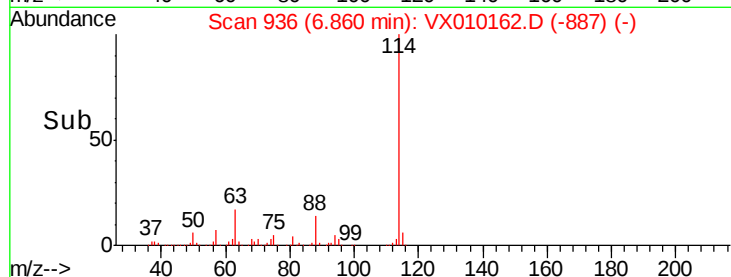
88 14.4 0.0 33.0



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: 49.736 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

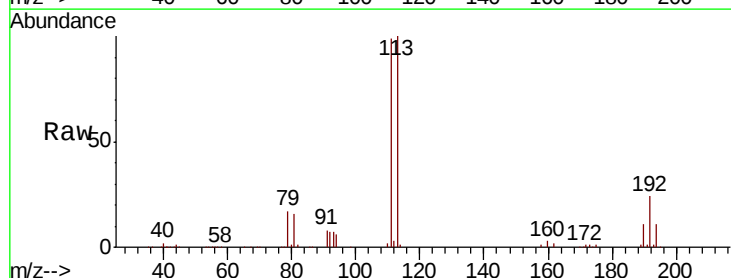
Tgt Ion:113 Resp: 131294

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.2

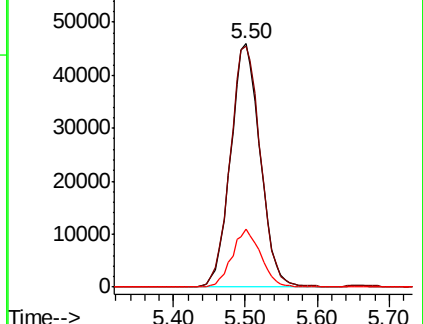
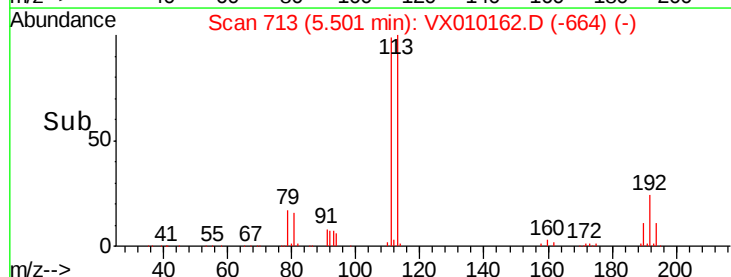
192 23.1 17.1 25.7

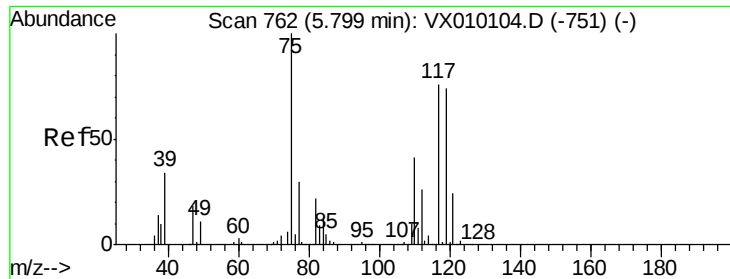


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

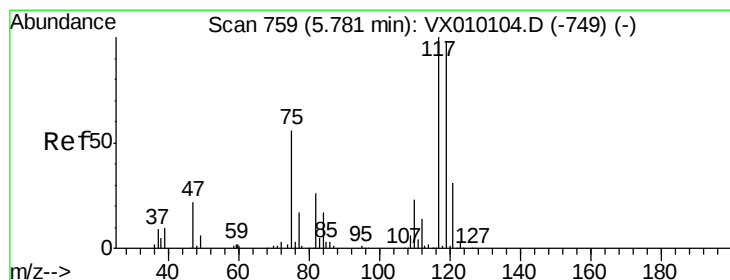
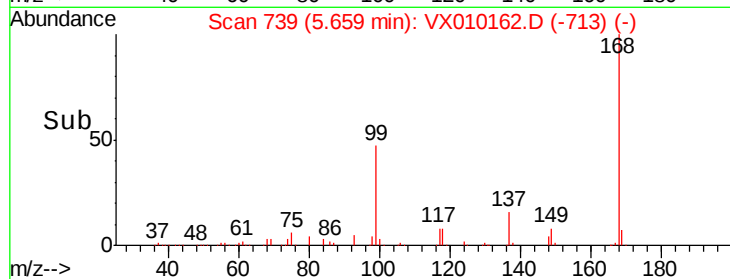
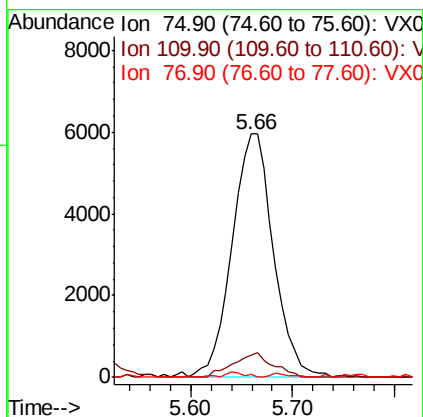
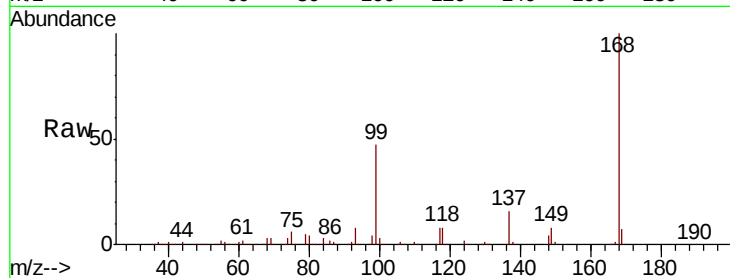




#36
 1,1-Dichloropropene
 Concen: 4.793 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010162.D
 Acq: 09 Jun 2019 00:30

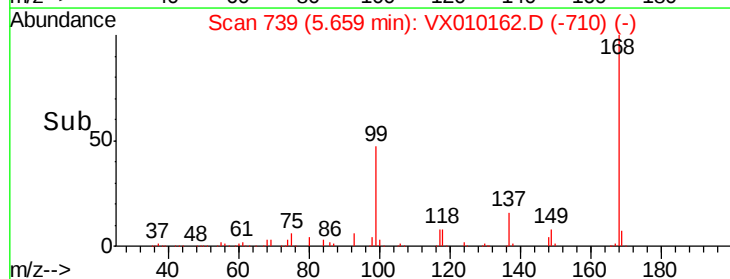
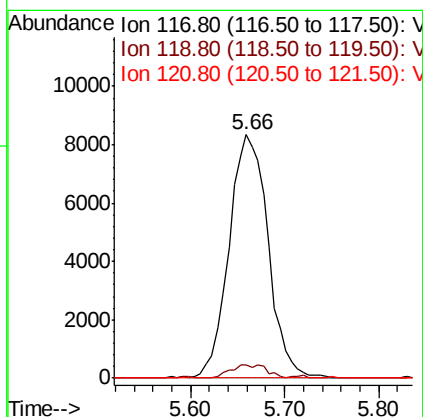
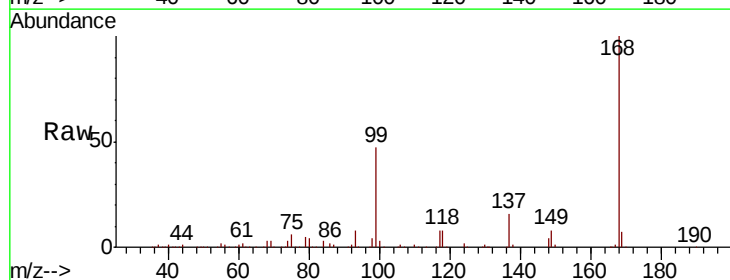
Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

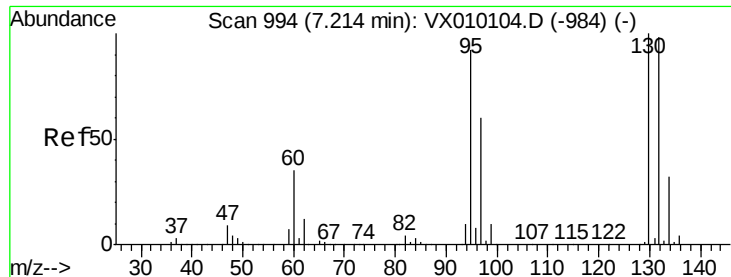
Tgt Ion: 75 Resp: 16735
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.7 50.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.103 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010162.D
 Acq: 09 Jun 2019 00:30

Tgt Ion: 117 Resp: 24119
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.3 115.9#
 121 0.0 25.4 38.0#





#44

Trichloroethene

Concen: 0.769 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_X

ClientSampled :

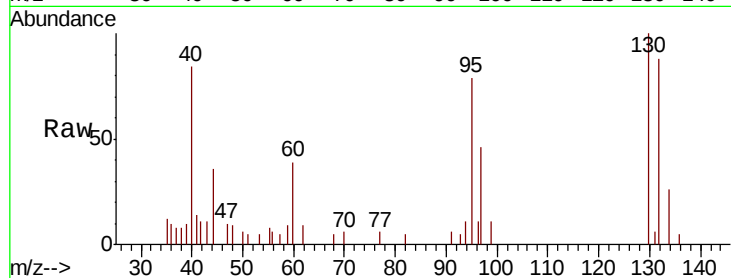
I.BLK

Tgt Ion:130 Resp: 2502

Ion Ratio Lower Upper

130 100

95 79.2 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

1200

1000

800

600

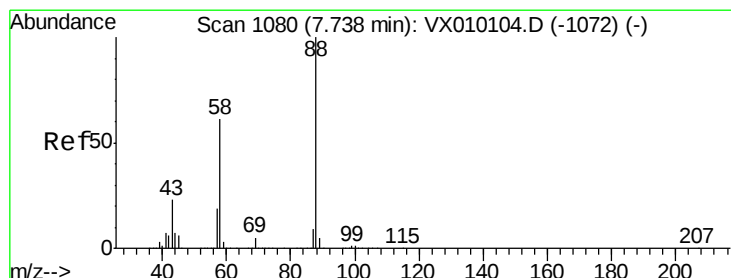
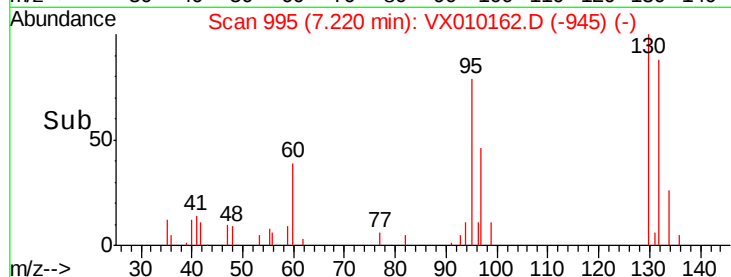
400

200

0

Time-->

7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 0.235 ug/l

RT: 7.62 min Scan# 1061

Delta R.T. -0.12 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

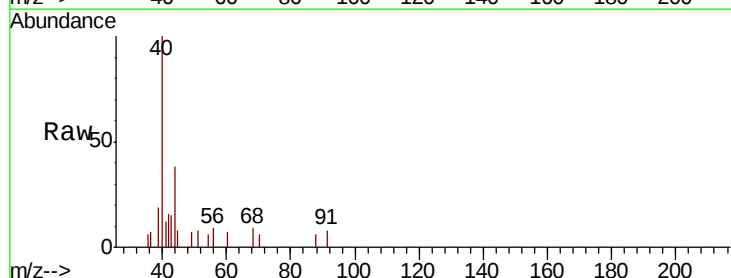
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 147.4 30.2 45.4#

58 0.0 64.0 96.0#



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

200

150

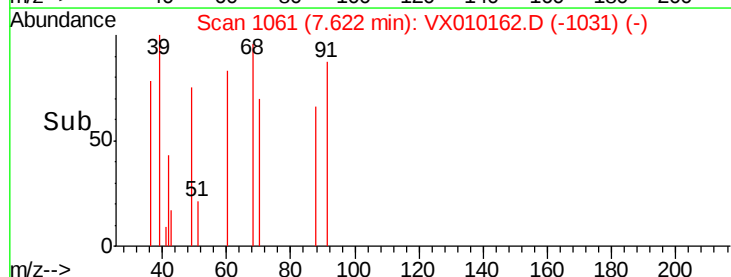
100

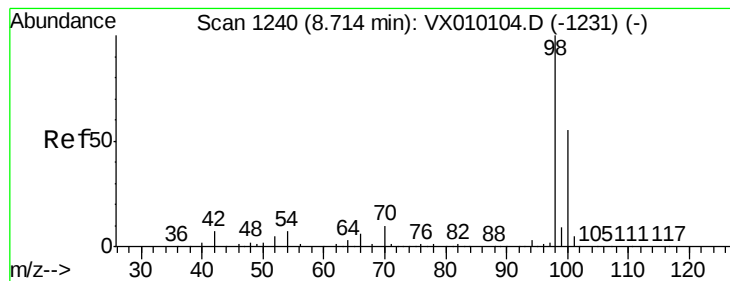
50

0

Time-->

7.60 7.61 7.62 7.63 7.64





#50

Toluene-d8

Concen: 50.779 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_X

ClientSampleId :

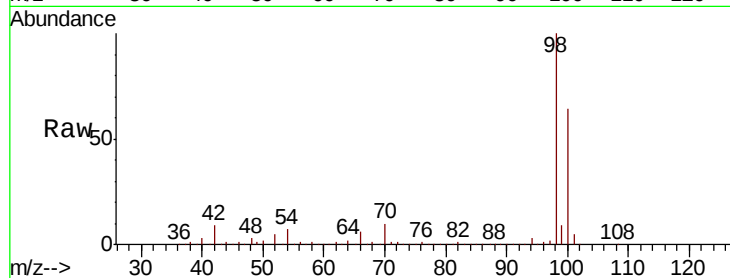
I.BLK

Tgt Ion: 98 Resp: 502391

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

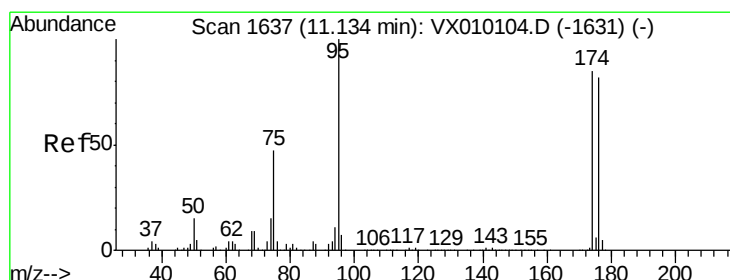
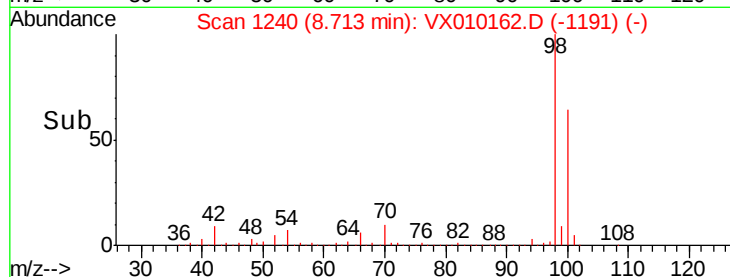
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 46.726 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010162.D

Acq: 09 Jun 2019 00:30

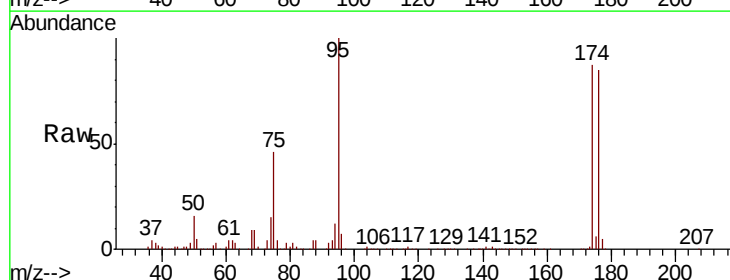
Tgt Ion: 95 Resp: 172647

Ion Ratio Lower Upper

95 100

174 93.9 0.0 160.4

176 90.7 0.0 154.6



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

11.13

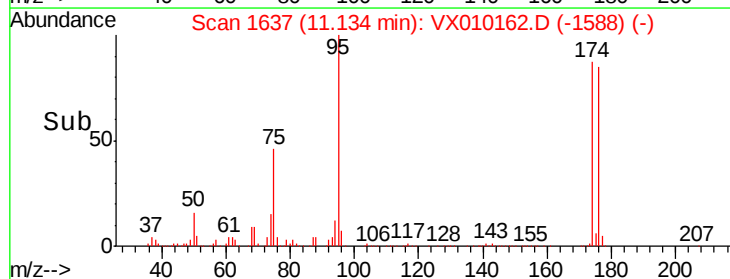
150000

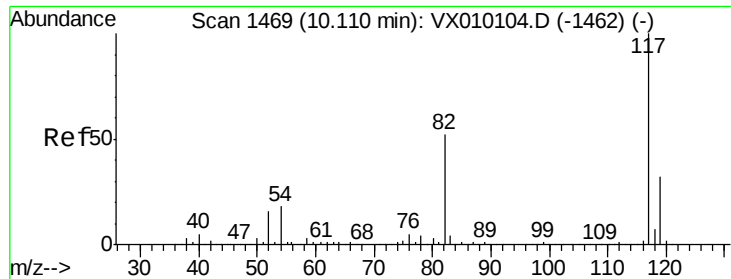
100000

50000

0

Time--> 11.05 11.10 11.15 11.20

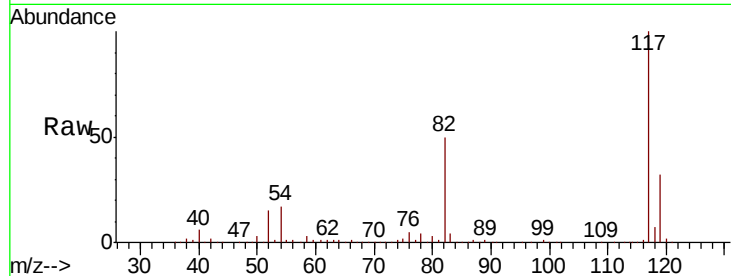




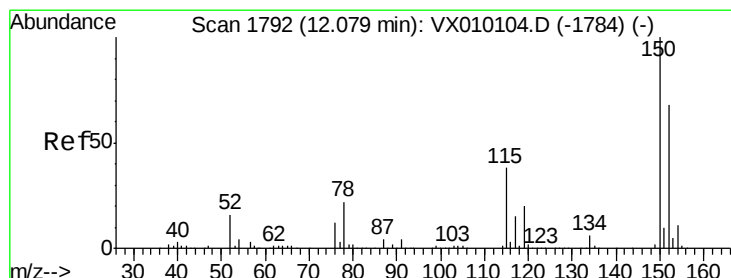
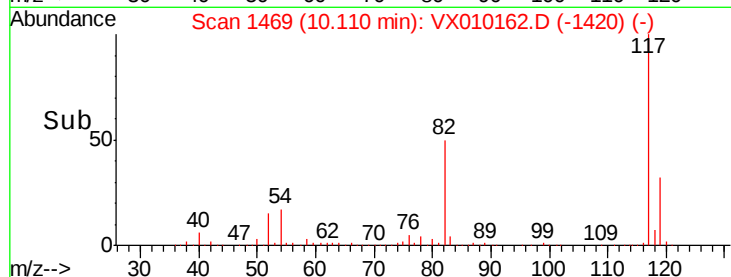
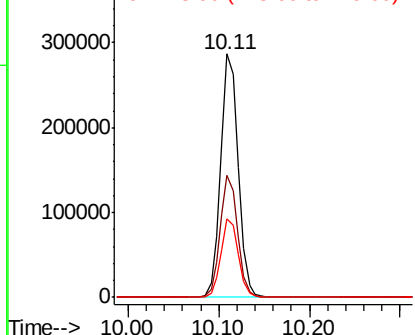
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010162.D
Acq: 09 Jun 2019 00:30

Instrument :
MSVOA_X
ClientSampleId :
I.BLK

Tgt Ion:117 Resp: 388050
Ion Ratio Lower Upper
117 100
82 50.0 49.2 73.8
119 32.4 25.2 37.8

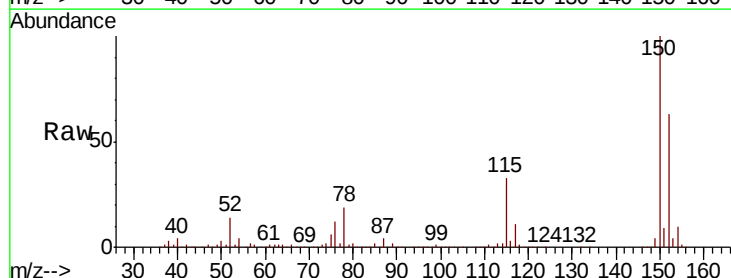


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

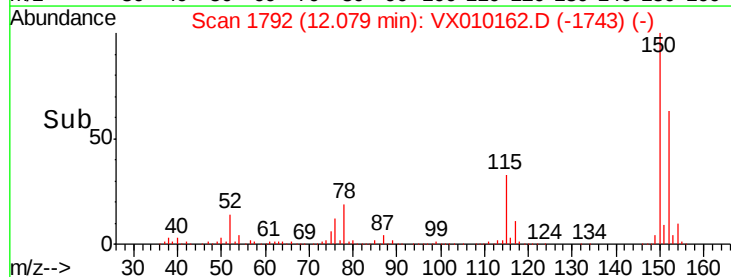
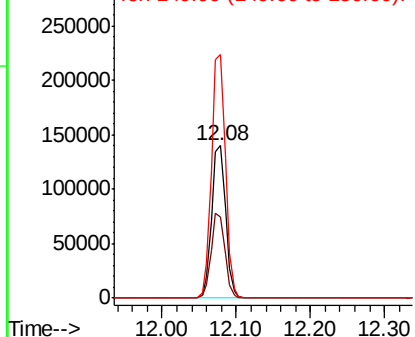


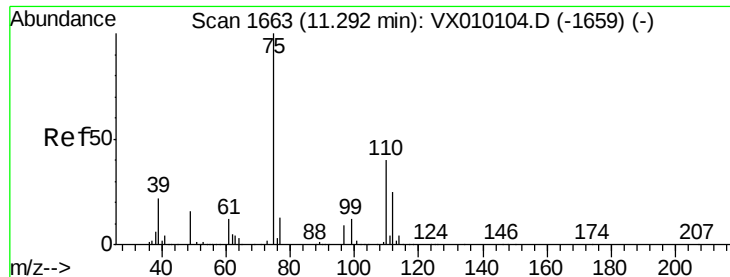
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010162.D
Acq: 09 Jun 2019 00:30

Tgt Ion:152 Resp: 178304
Ion Ratio Lower Upper
152 100
115 55.2 41.4 124.2
150 160.1 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

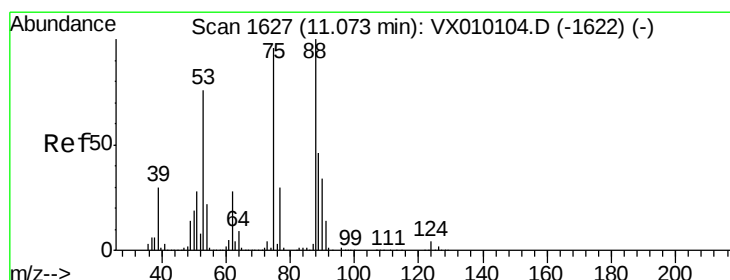
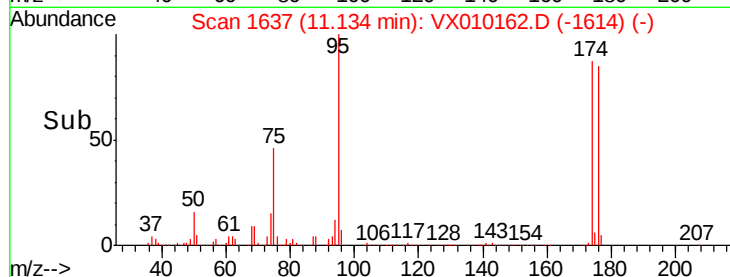
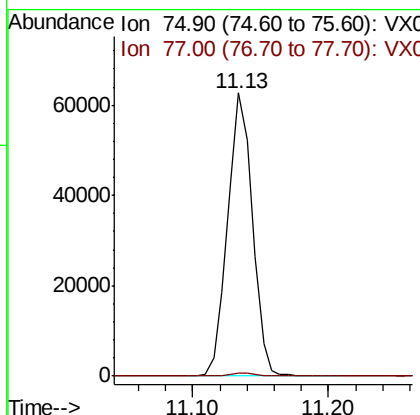
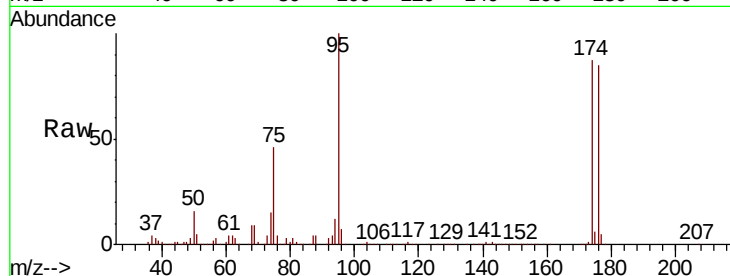




#76
 1,2,3-Trichloropropane
 Concen: 22.302 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010162.D
 Acq: 09 Jun 2019 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 I.BLK

Tgt Ion: 75 Resp: 79540
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.276 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010162.D
 Acq: 09 Jun 2019 00:30

Tgt Ion: 75 Resp: 79540
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.8 119.6#
 89 0.0 34.2 51.4#

