

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
 Data File : VX010418.D
 Acq On : 24 Jun 2019 17:47
 Operator : JC/SP
 Sample : K3155-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B13

Quant Time: Jun 25 03:39:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	431520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	388741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182887	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	132551	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
35) Dibromofluoromethane	5.50	113	131456	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
50) Toluene-d8	8.71	98	512269	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	172072	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	

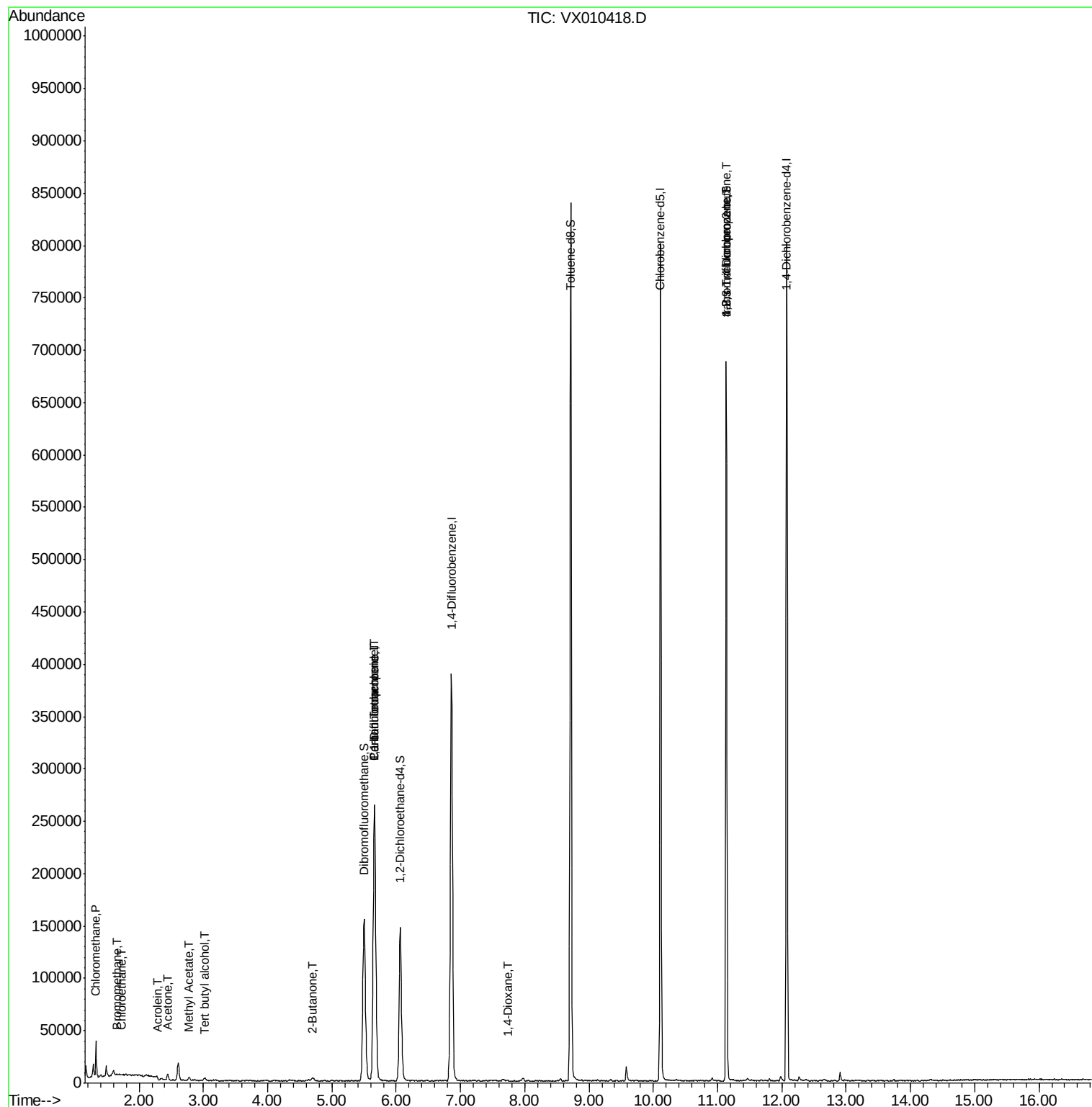
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	21750	9.558	ug/l	98
5) Bromomethane	1.66	94	524	0.432	ug/l	97
6) Chloroethane	1.71	64	315	0.214	ug/l #	41
11) Tert butyl alcohol	3.01	59	1803	2.614	ug/l #	84
13) Acrolein	2.29	56	206	0.450	ug/l #	46
16) Acetone	2.45	43	6152	4.658	ug/l	99
18) Methyl Acetate	2.77	43	3612	1.372	ug/l #	85
25) 2-Butanone	4.68	43	2045	1.055	ug/l #	80
36) 1,1-Dichloropropene	5.67	75	16961	4.946	ug/l #	47
38) Carbon Tetrachloride	5.66	117	24784	6.674	ug/l #	14
49) 1,4-Dioxane	7.74	88	22	0.282	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	79350	23.810	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	79350	55.545	ug/l #	16

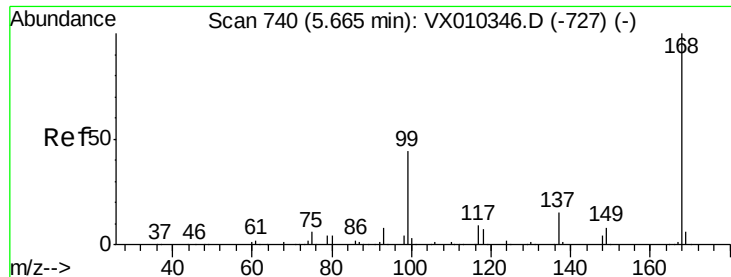
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010418.D

Acq: 24 Jun 2019 17:47

Instrument :

MSVOA_X

ClientSampled :

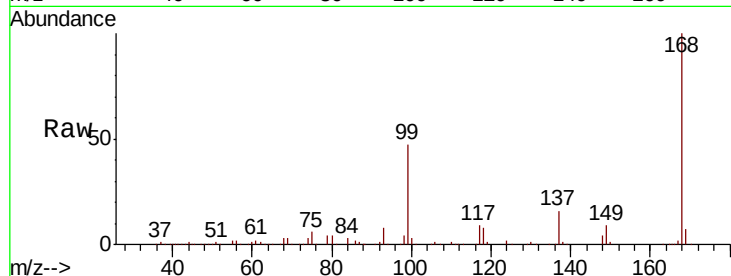
BAT-B13

Tot Ion:168 Resp: 281091

Ion Ratio Lower Upper

168 100

99 46.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

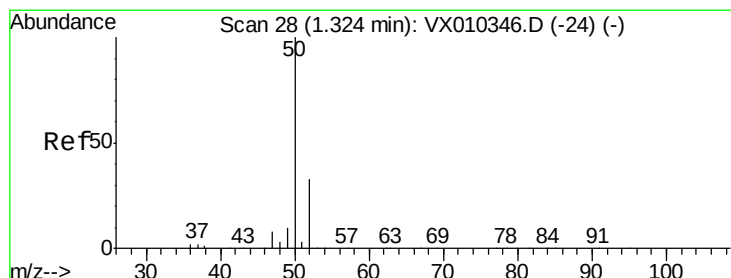
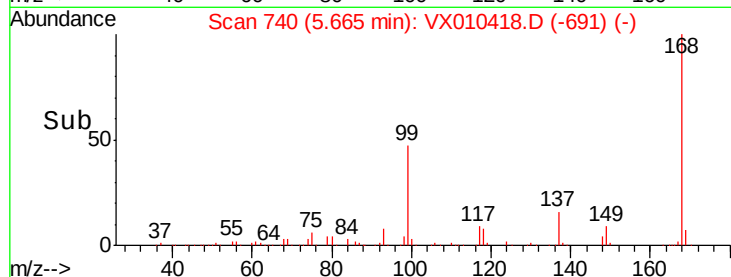
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 9.558 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010418.D

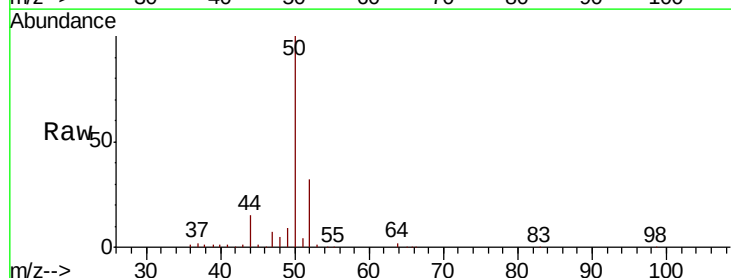
Acq: 24 Jun 2019 17:47

Tgt Ion: 50 Resp: 21750

Ion Ratio Lower Upper

50 100

52 32.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

25000

20000

15000

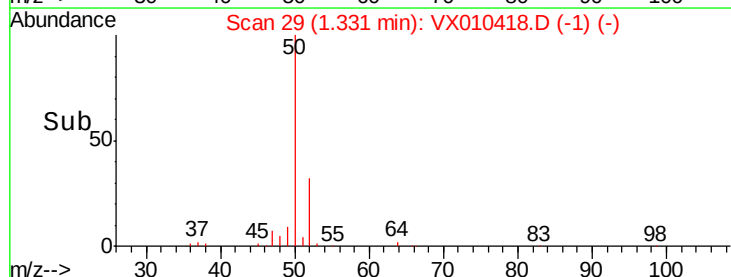
10000

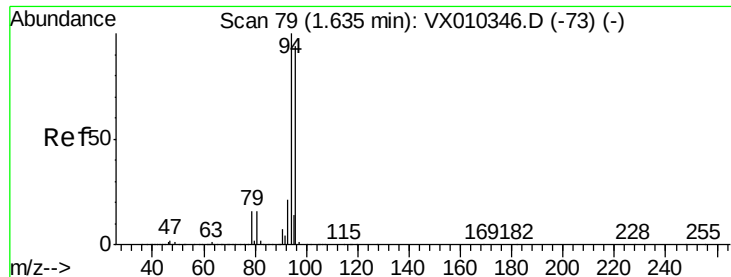
5000

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.432 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010418.D

Acq: 24 Jun 2019 17:47

Instrument :

MSVOA_X

ClientSampled :

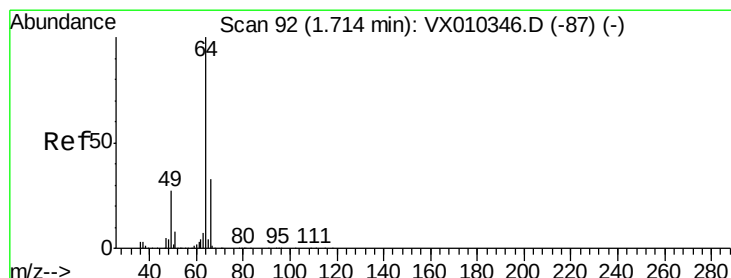
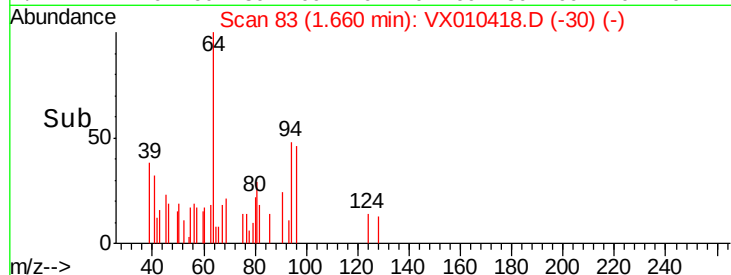
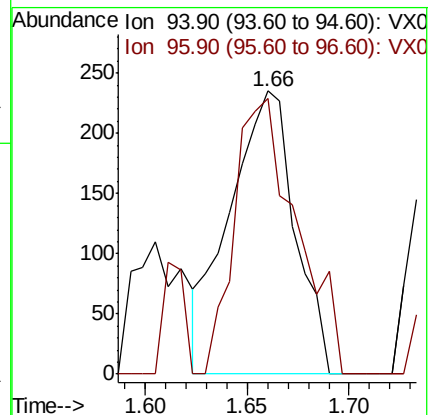
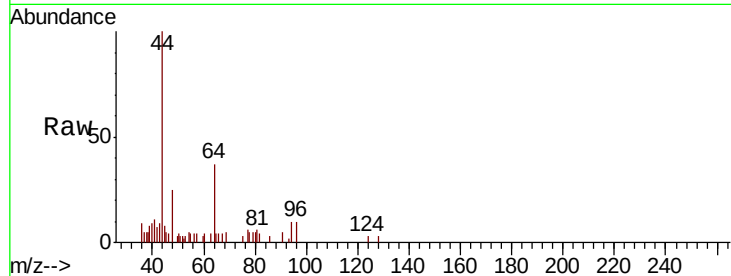
BAT-B13

Tot Ion: 94 Resp: 524

Ion Ratio Lower Upper

94 100

96 97.4 75.5 113.3



#6

Chloroethane

Concen: 0.214 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010418.D

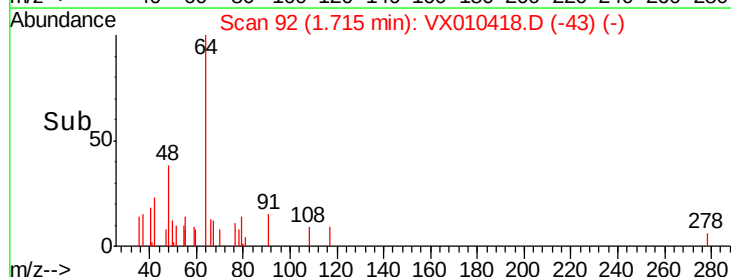
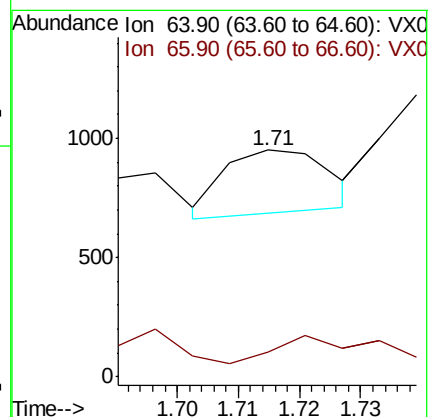
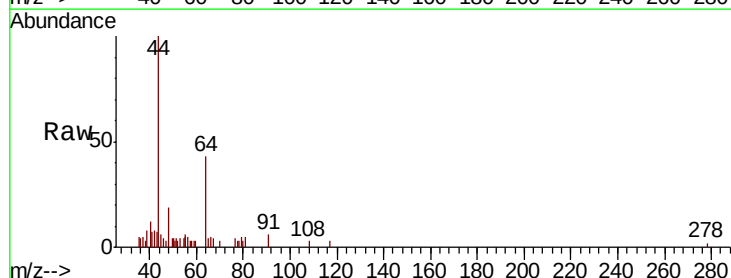
Acq: 24 Jun 2019 17:47

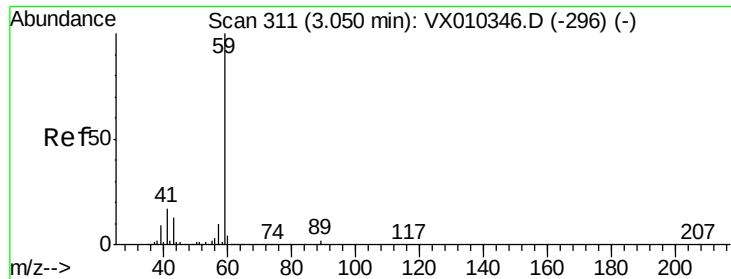
Tgt Ion: 64 Resp: 315

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



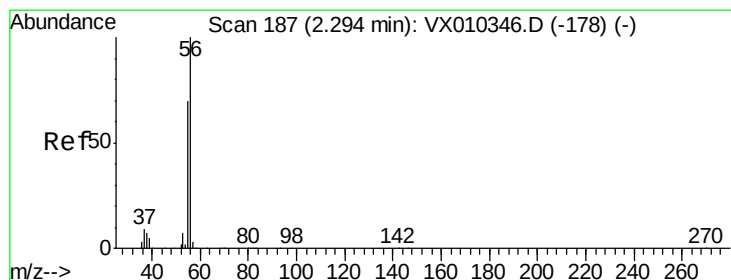
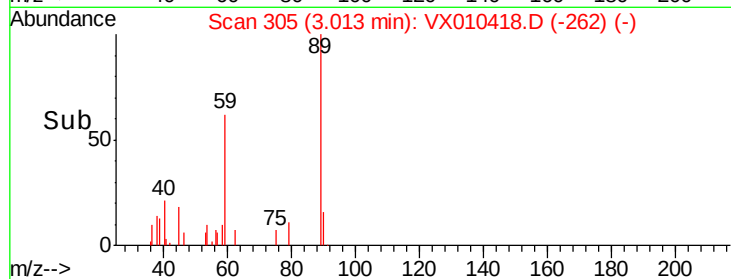
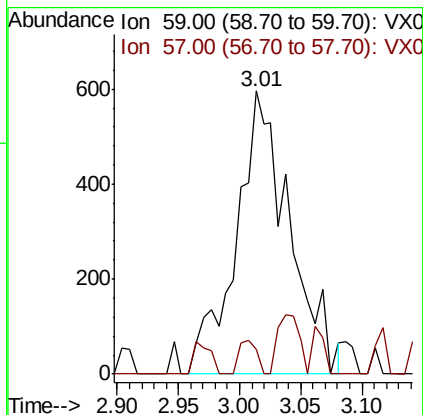
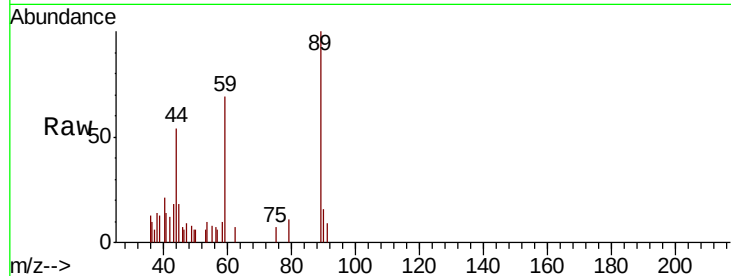


#11

Tert butyl alcohol
 Concen: 2.614 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010418.D
 Acq: 24 Jun 2019 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B13

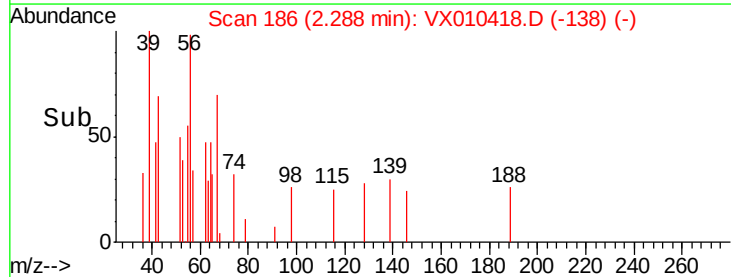
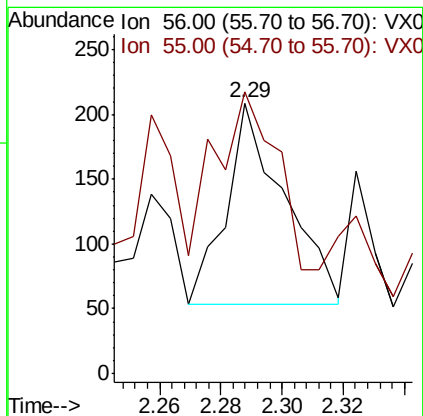
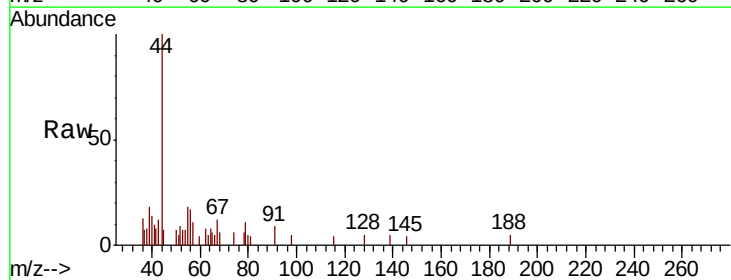
Tot Ion: 59 Resp: 1803
 Ion Ratio Lower Upper
 59 100
 57 3.8 7.7 11.5#

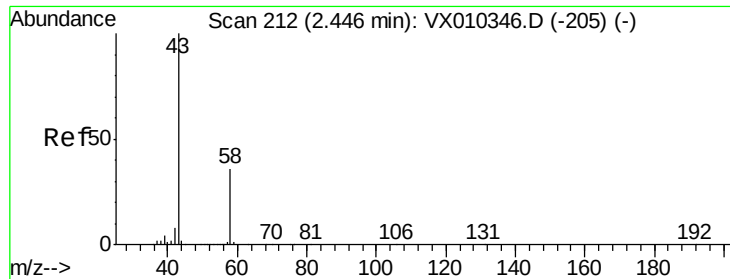


#13

Acrolein
 Concen: 0.450 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX010418.D
 Acq: 24 Jun 2019 17:47

Tgt Ion: 56 Resp: 206
 Ion Ratio Lower Upper
 56 100
 55 115.5 56.9 85.3#





#16

Acetone

Concen: 4.658 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010418.D

Acq: 24 Jun 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

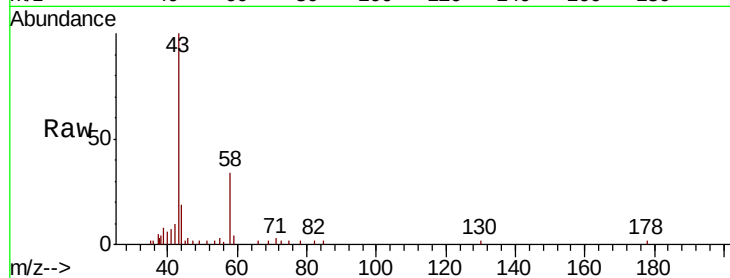
BAT-B13

Tot Ion: 43 Resp: 6152

Ion Ratio Lower Upper

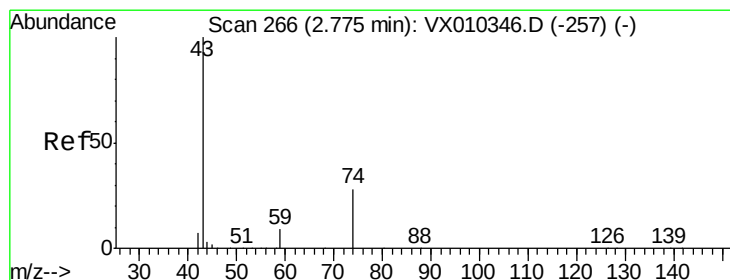
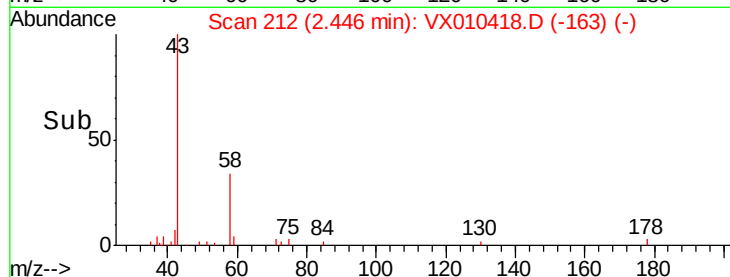
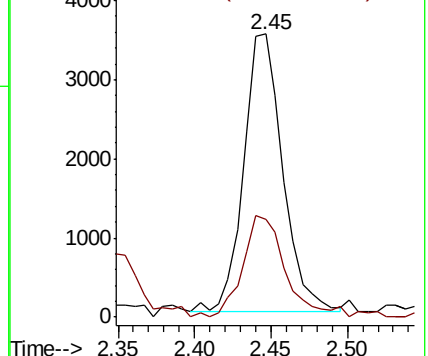
43 100

58 35.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.372 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010418.D

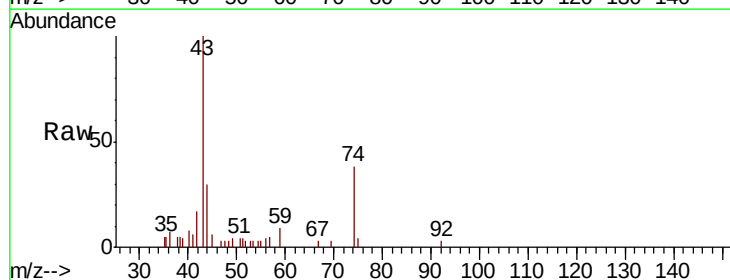
Acq: 24 Jun 2019 17:47

Tgt Ion: 43 Resp: 3612

Ion Ratio Lower Upper

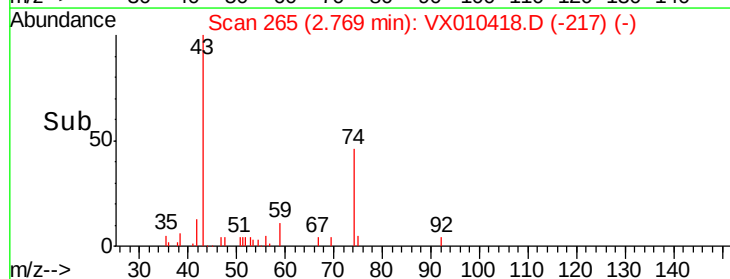
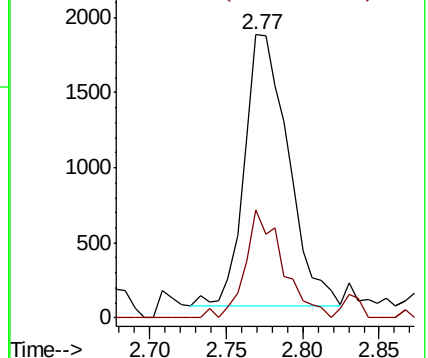
43 100

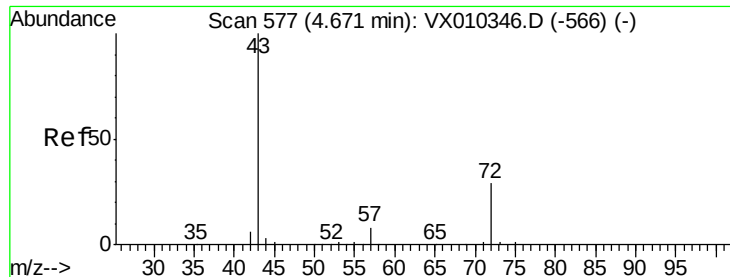
74 34.1 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 1.055 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010418.D

Acq: 24 Jun 2019 17:47

Instrument :

MSVOA_X

ClientSampled :

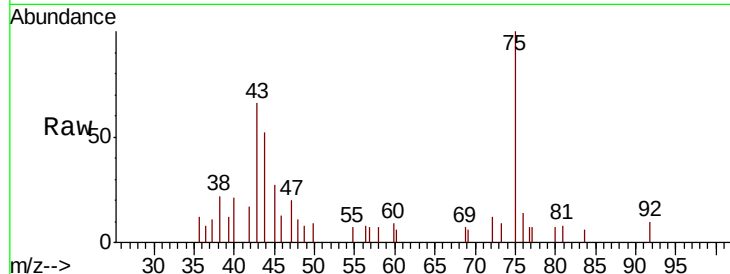
BAT-B13

Tot Ion: 43 Resp: 2045

Ion Ratio Lower Upper

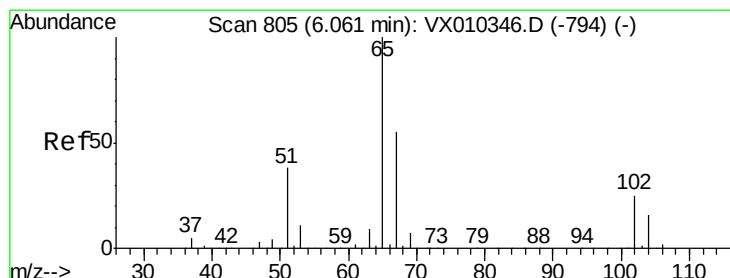
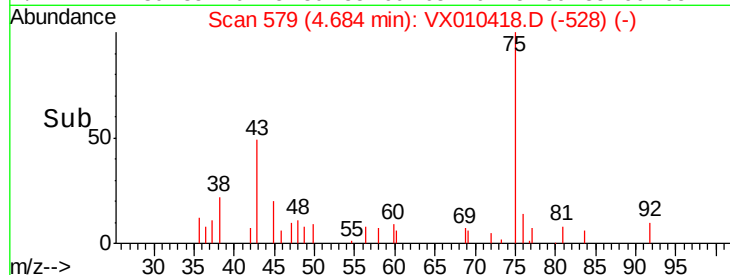
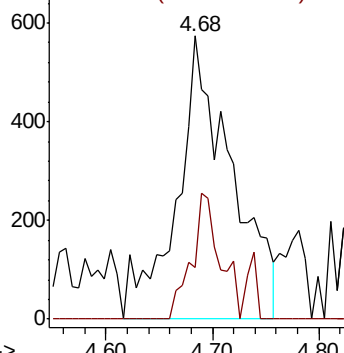
43 100

72 18.5 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.294 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010418.D

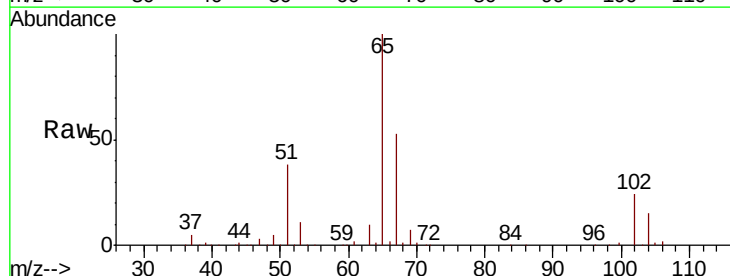
Acq: 24 Jun 2019 17:47

Tgt Ion: 65 Resp: 132551

Ion Ratio Lower Upper

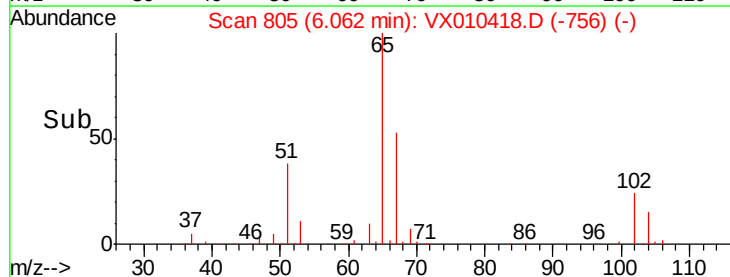
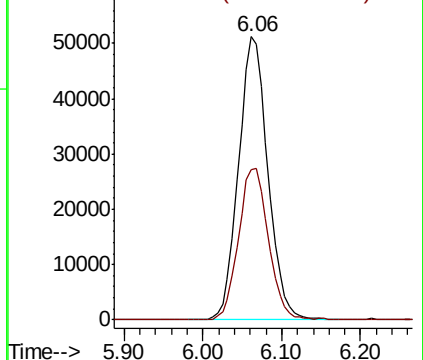
65 100

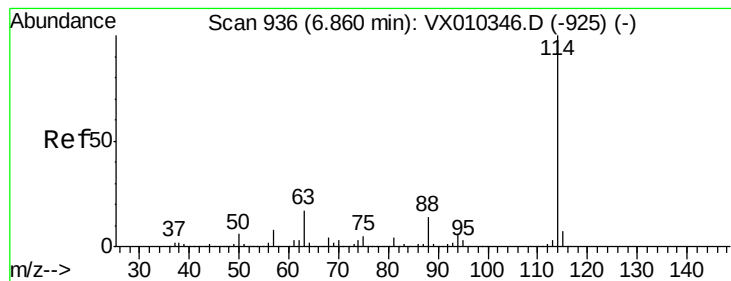
67 54.9 0.0 110.2



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: VX010418.D

Acq: 24 Jun 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

BAT-B13

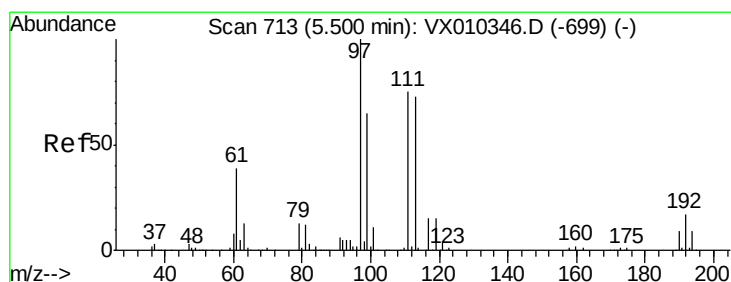
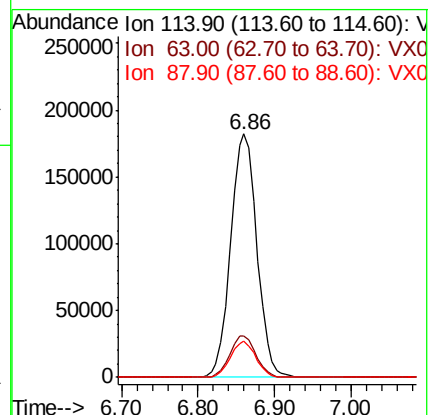
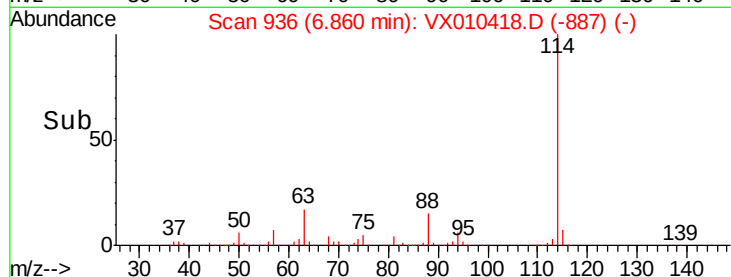
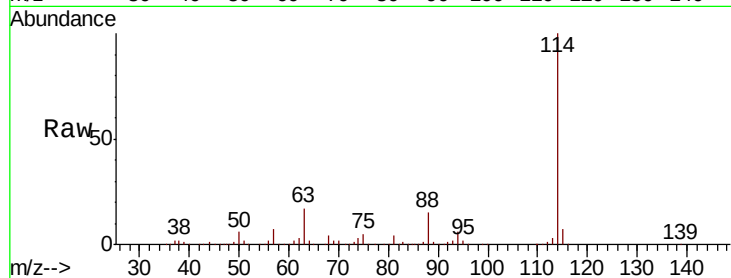
Tot Ion:114 Resp: 431520

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.8

88 14.7 0.0 27.6



#35

Dibromofluoromethane

Concen: 49.790 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010418.D

Acq: 24 Jun 2019 17:47

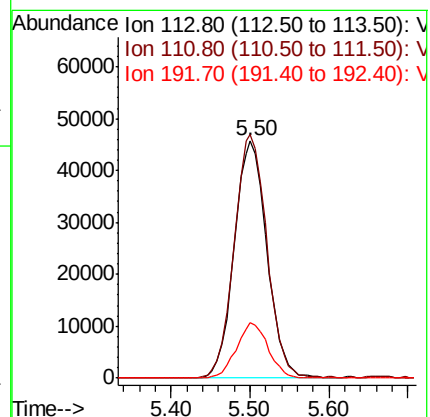
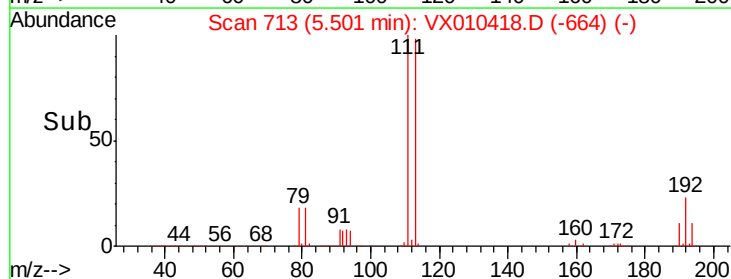
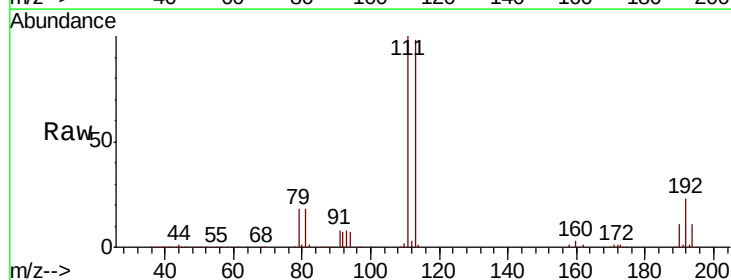
Tgt Ion:113 Resp: 131456

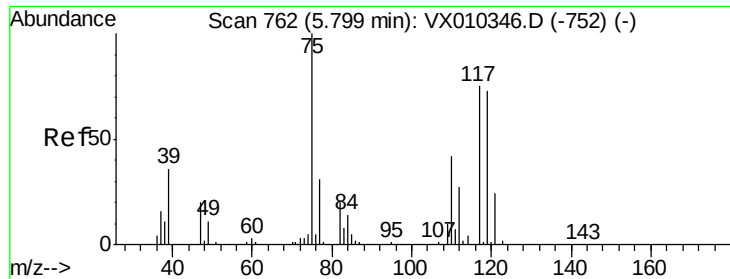
Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

192 22.7 18.6 27.8

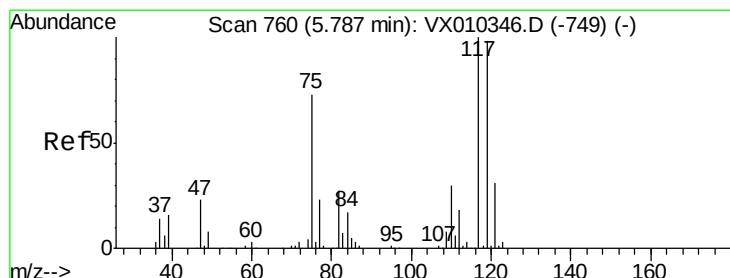
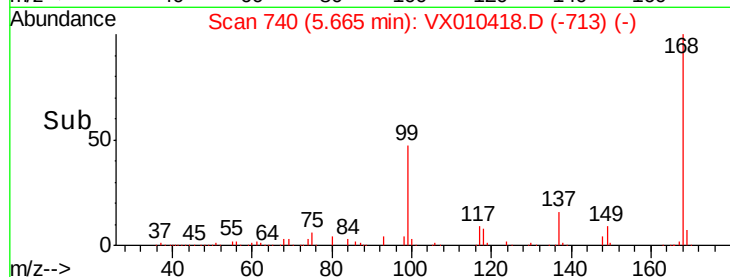
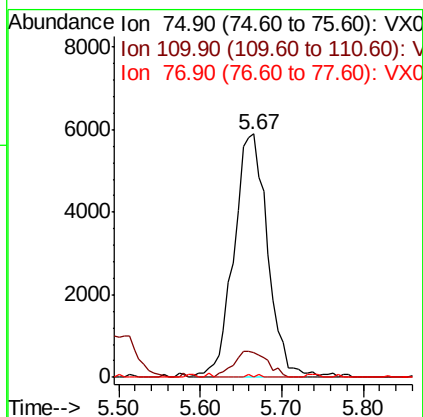
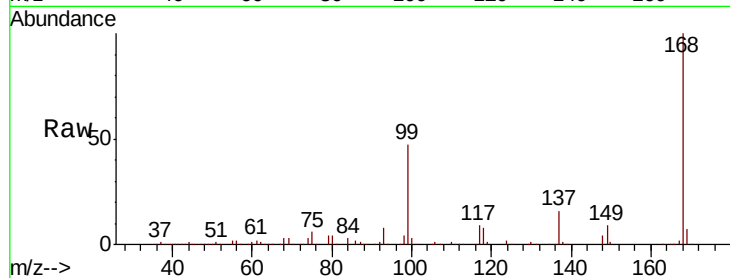




#36
 1,1-Dichloropropene
 Concen: 4.946 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010418.D
 Acq: 24 Jun 2019 17:47

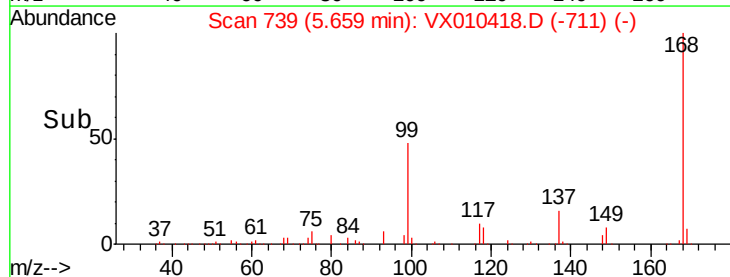
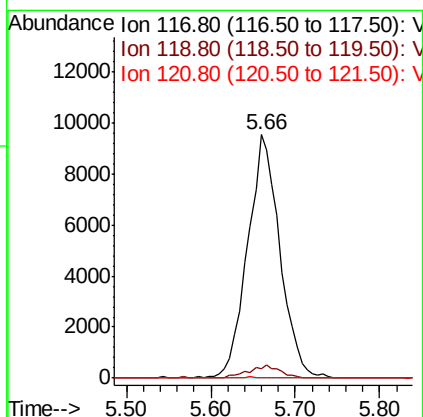
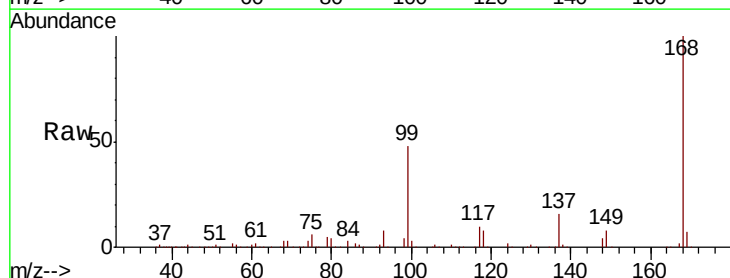
Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B13

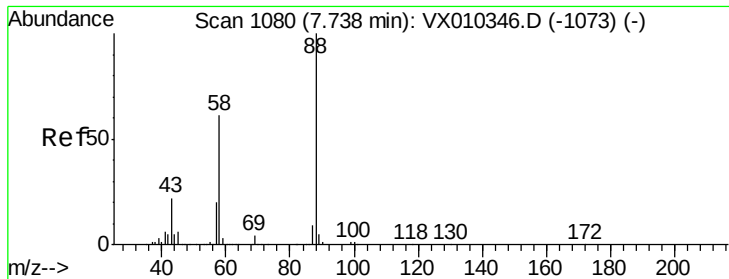
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	20.8	62.2#
77	0.1	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.674 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010418.D
 Acq: 24 Jun 2019 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	78.2	117.4#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 0.282 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010418.D

Acq: 24 Jun 2019 17:47

Instrument :

MSVOA_X

ClientSampled :

BAT-B13

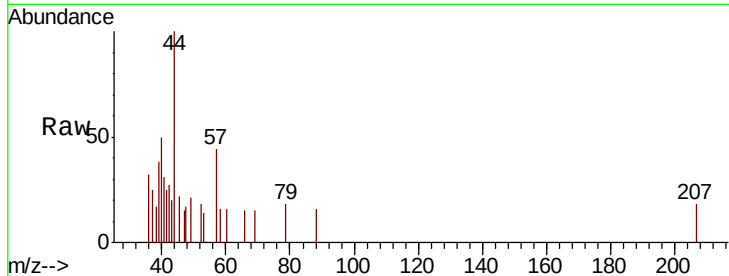
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 1122.7 20.2 30.2#

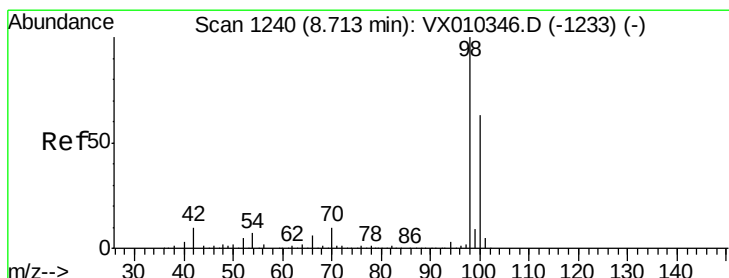
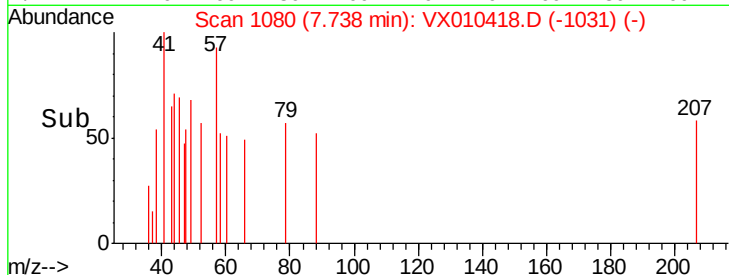
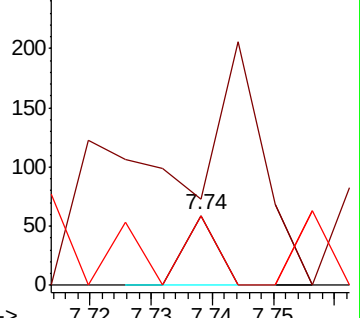
58 190.9 49.5 74.3#



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



#50

Toluene-d8

Concen: 50.715 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010418.D

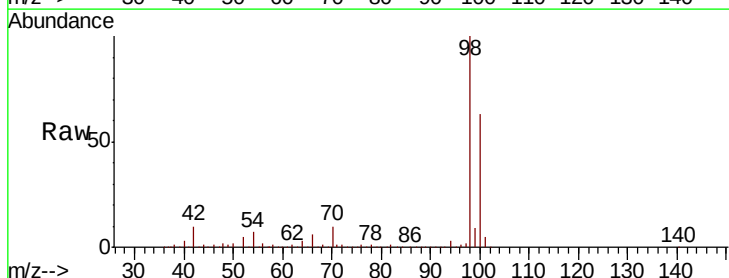
Acq: 24 Jun 2019 17:47

Tgt Ion: 98 Resp: 512269

Ion Ratio Lower Upper

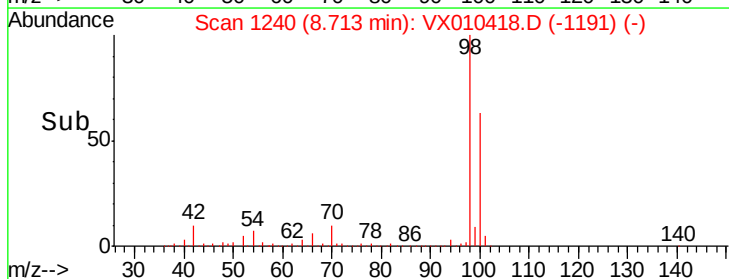
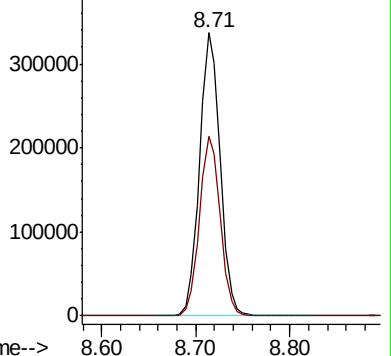
98 100

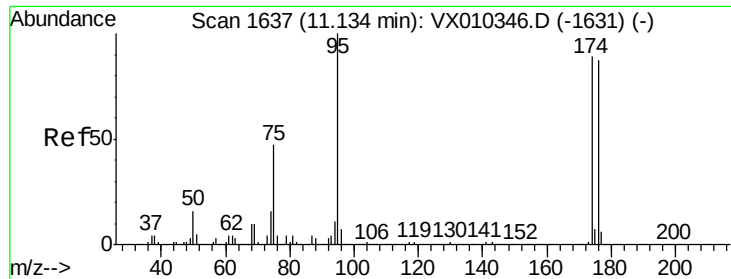
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.186 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010418.D

Acq: 24 Jun 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

BAT-B13

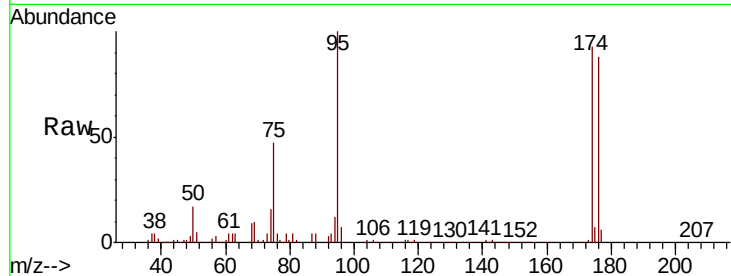
Tot Ion: 95 Resp: 172072

Ion Ratio Lower Upper

95 100

174 95.2 0.0 187.6

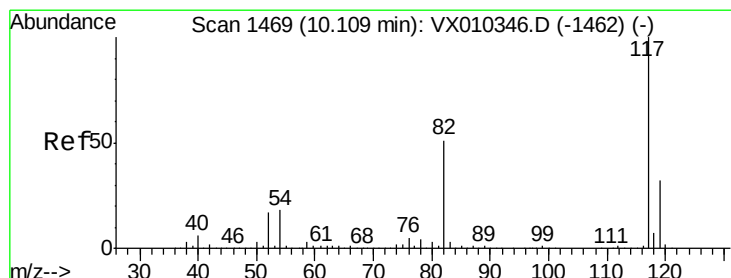
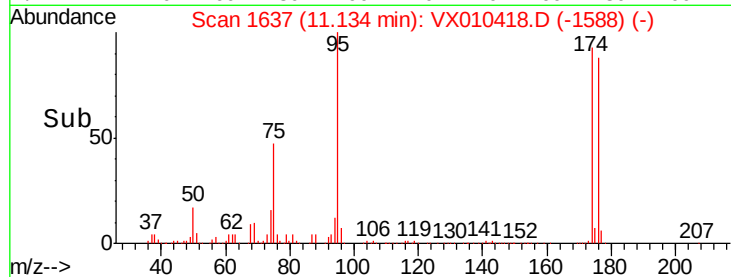
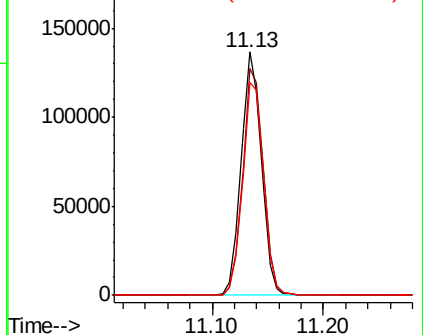
176 90.8 0.0 184.0



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010418.D

Acq: 24 Jun 2019 17:47

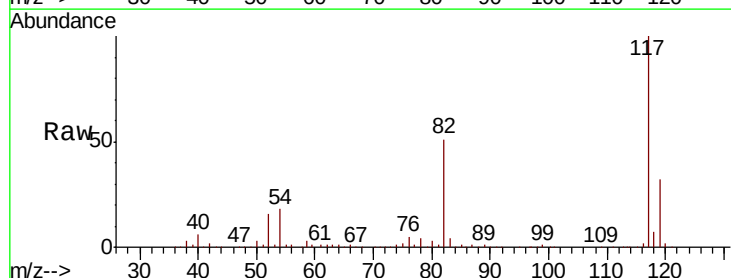
Tgt Ion: 117 Resp: 388741

Ion Ratio Lower Upper

117 100

82 51.3 41.2 61.8

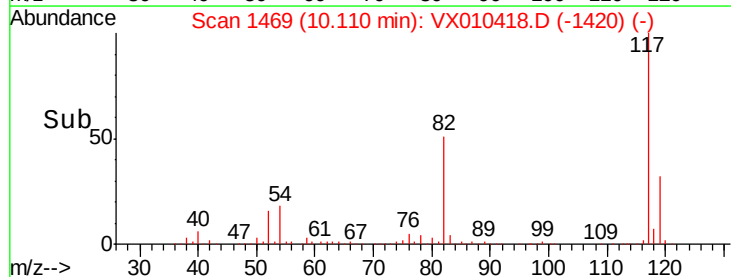
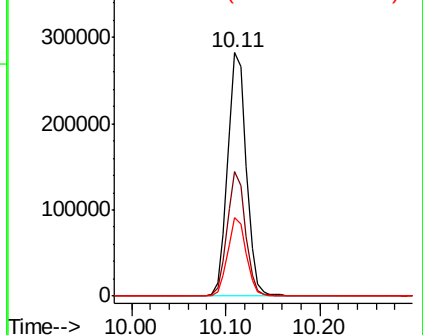
119 32.1 25.5 38.3

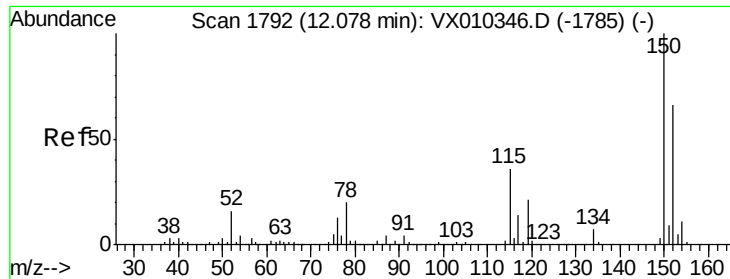


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010418.D

Acq: 24 Jun 2019 17:47

Instrument :

MSVOA_X

ClientSampleId :

BAT-B13

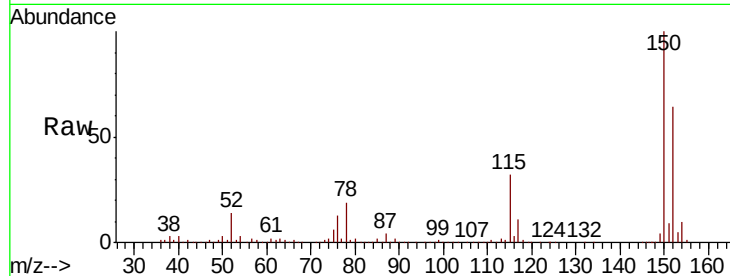
Tot Ion:152 Resp: 182887

Ion Ratio Lower Upper

152 100

115 53.3 38.6 115.7

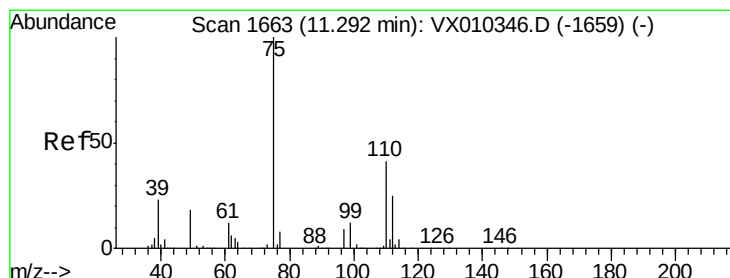
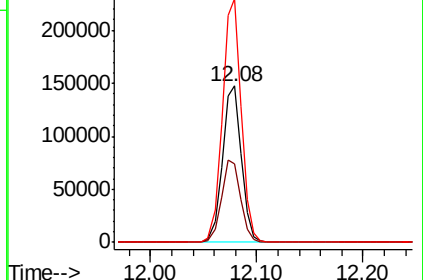
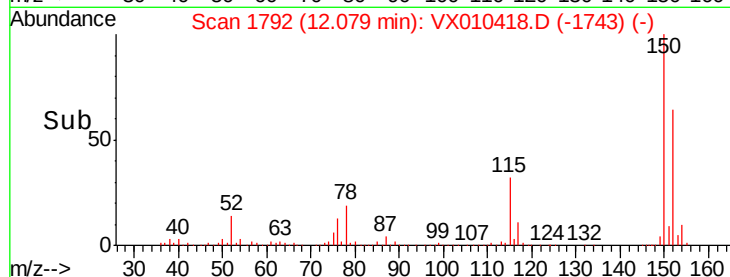
150 154.7 0.0 347.4



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: 23.810 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010418.D

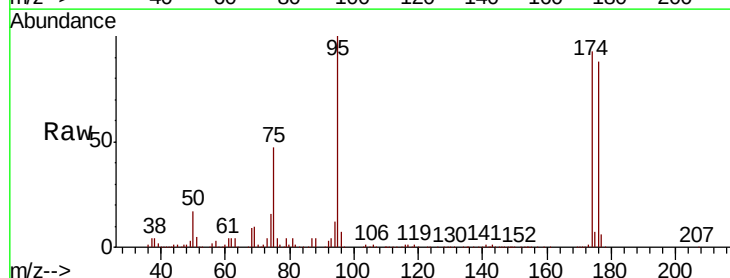
Acq: 24 Jun 2019 17:47

Tgt Ion: 75 Resp: 79350

Ion Ratio Lower Upper

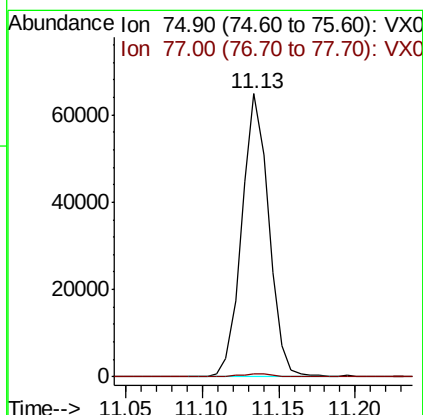
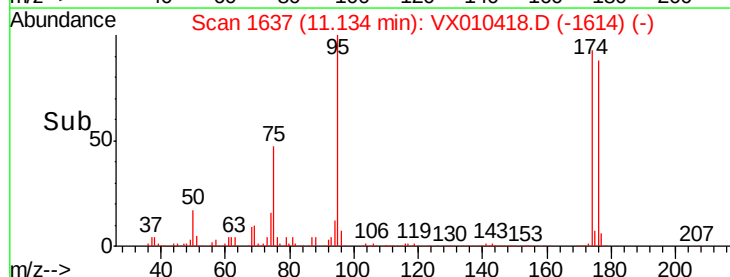
75 100

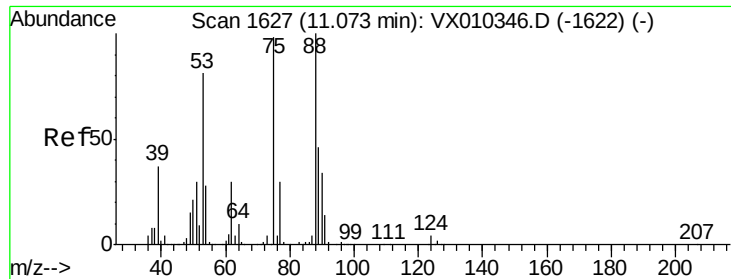
77 1.4 22.6 67.8#



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: 55.545 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010418.D
 Acq: 24 Jun 2019 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B13

Tot Ion: 75 Resp: 79350
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

