

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
 Data File : VX010420.D
 Acq On : 24 Jun 2019 18:34
 Operator : JC/SP
 Sample : K3155-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B10

Quant Time: Jun 25 03:40:11 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	277405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	427841	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	388187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180237	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	130779	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
35) Dibromofluoromethane	5.50	113	129844	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	8.71	98	501709	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.13	95	169412	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

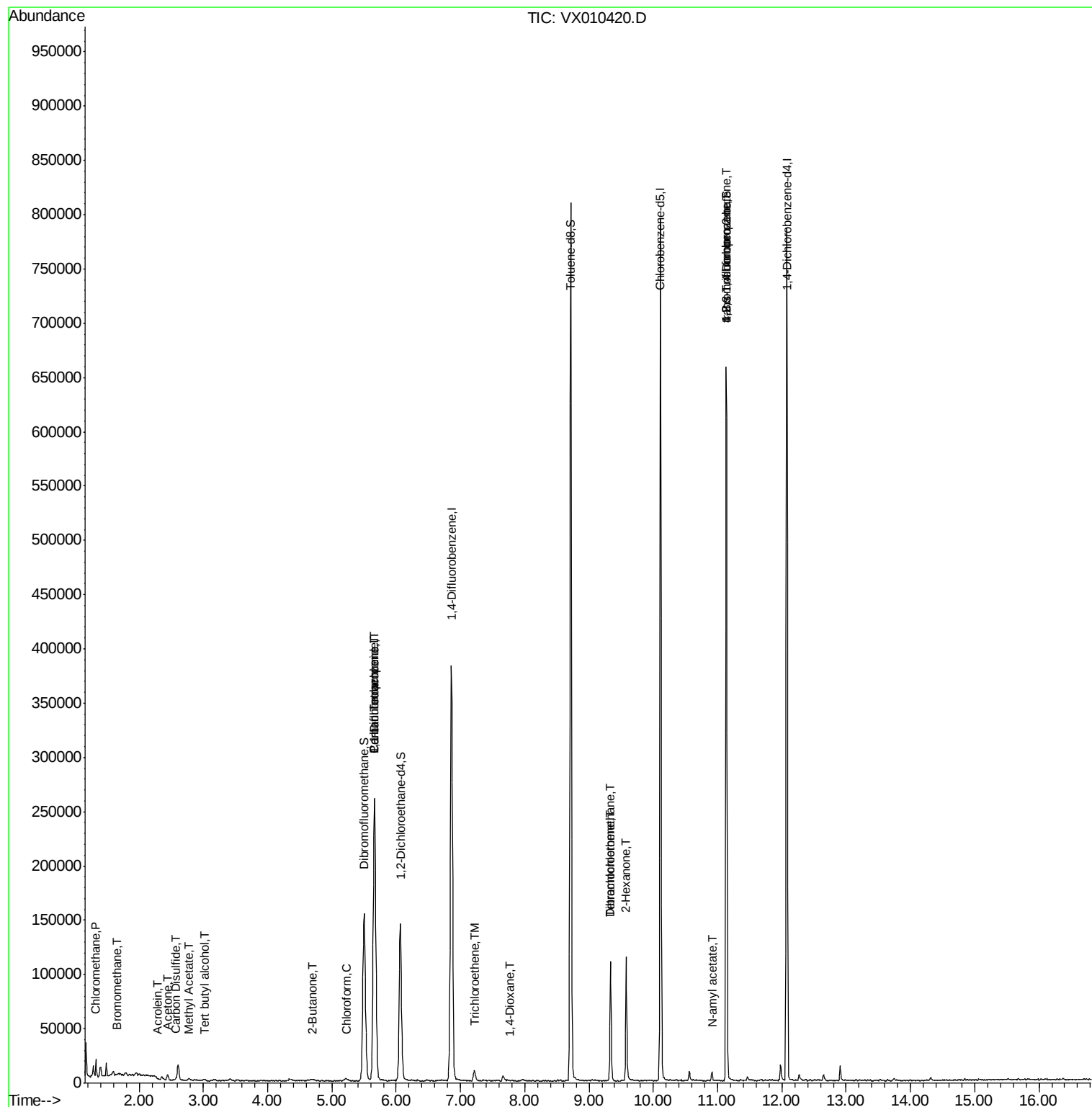
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	11584	5.158	ug/l	98
5) Bromomethane	1.66	94	634	0.529	ug/l #	72
11) Tert butyl alcohol	3.03	59	500	0.735	ug/l #	74
13) Acrolein	2.29	56	390	0.864	ug/l #	69
16) Acetone	2.44	43	5429	4.165	ug/l	99
17) Carbon Disulfide	2.57	76	2179	0.338	ug/l #	87
18) Methyl Acetate	2.78	43	1373	0.528	ug/l #	81
25) 2-Butanone	4.68	43	1735	0.907	ug/l	90
30) Chloroform	5.22	83	2579	0.581	ug/l	98
36) 1,1-Dichloropropene	5.67	75	16907	4.973	ug/l #	48
38) Carbon Tetrachloride	5.66	117	24046	6.531	ug/l #	15
44) Trichloroethene	7.21	130	4125	1.301	ug/l	98
49) 1,4-Dioxane	7.76	88	21	0.271	ug/l #	1
59) 2-Hexanone	9.58	43	14500	4.978	ug/l #	49
60) Dibromochloromethane	9.34	129	20417	6.339	ug/l #	11
64) Tetrachloroethene	9.34	164	22126	7.047	ug/l	94
74) N-amyl acetate	10.91	43	1001	0.217	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	78876	24.015	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78876	56.025	ug/l #	16

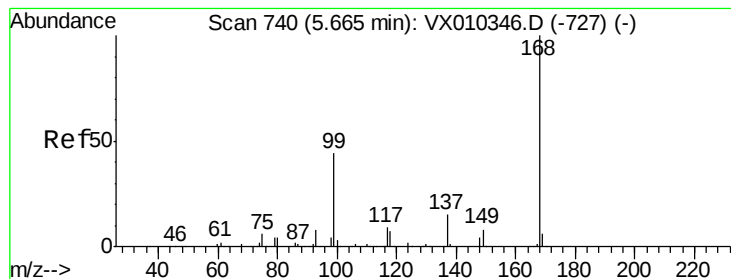
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

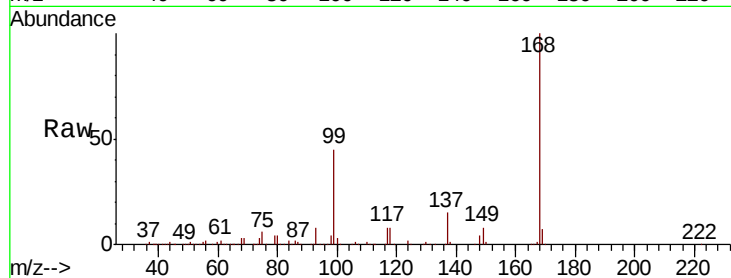
BAT-B10

Tot Ion:168 Resp: 277405

Ion Ratio Lower Upper

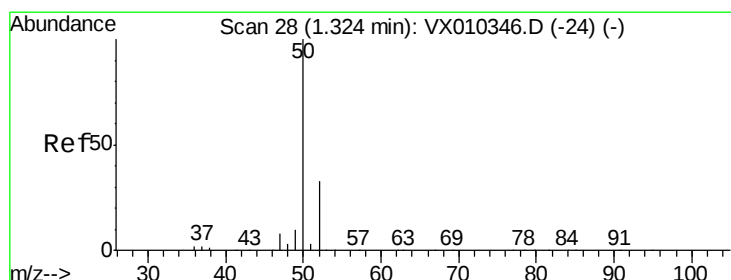
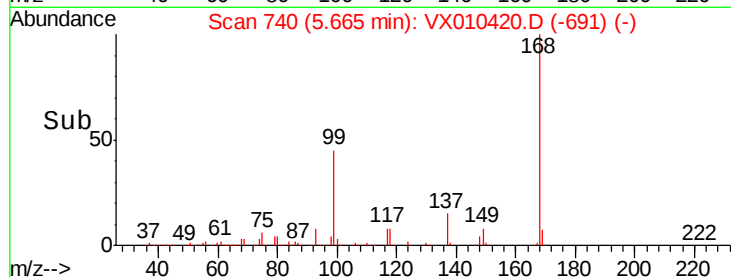
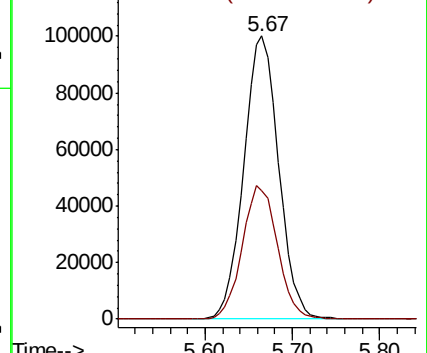
168 100

99 45.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 5.158 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010420.D

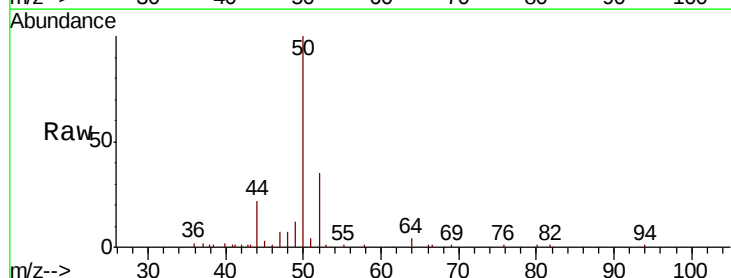
Acq: 24 Jun 2019 18:34

Tgt Ion: 50 Resp: 11584

Ion Ratio Lower Upper

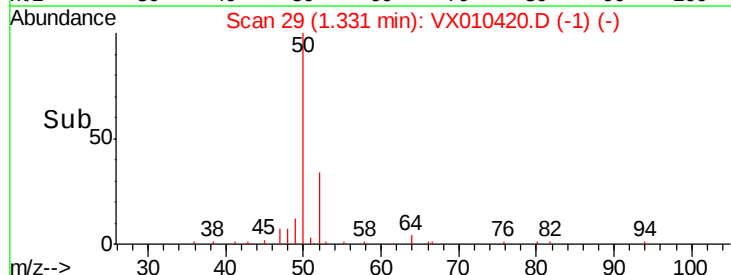
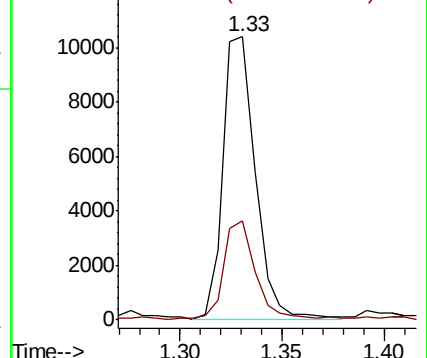
50 100

52 34.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.529 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

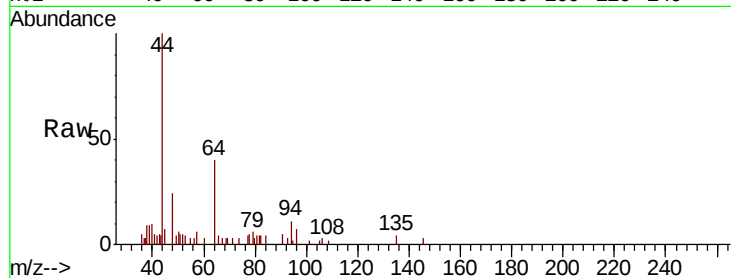
BAT-B10

Tot Ion: 94 Resp: 634

Ion Ratio Lower Upper

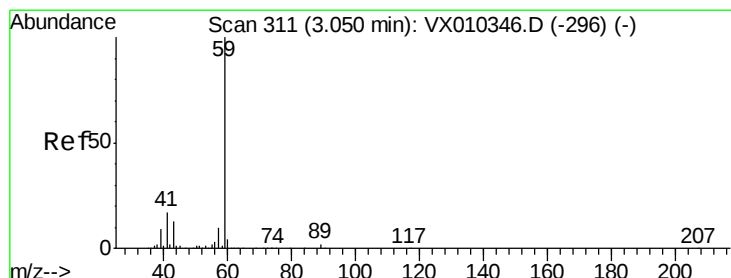
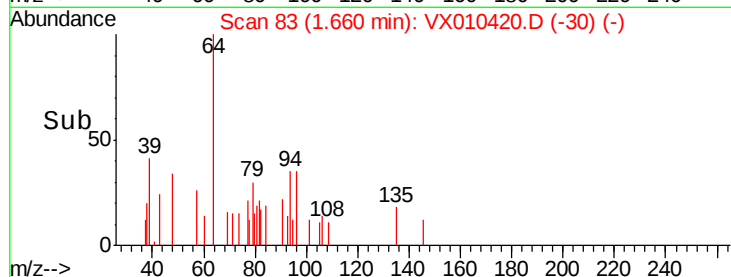
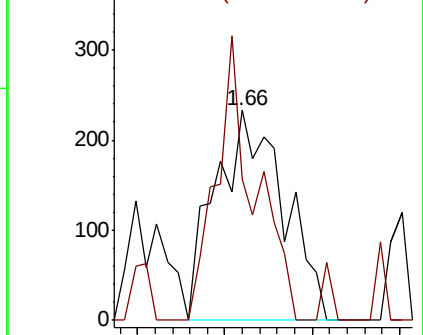
94 100

96 67.4 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.735 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010420.D

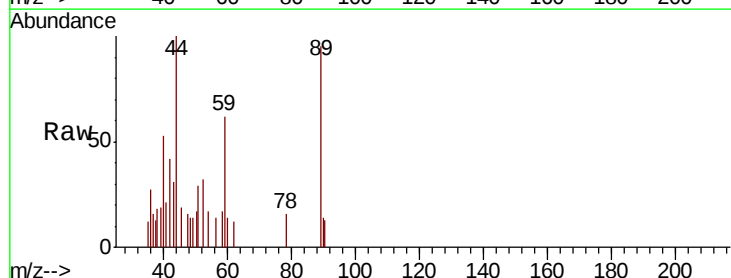
Acq: 24 Jun 2019 18:34

Tgt Ion: 59 Resp: 500

Ion Ratio Lower Upper

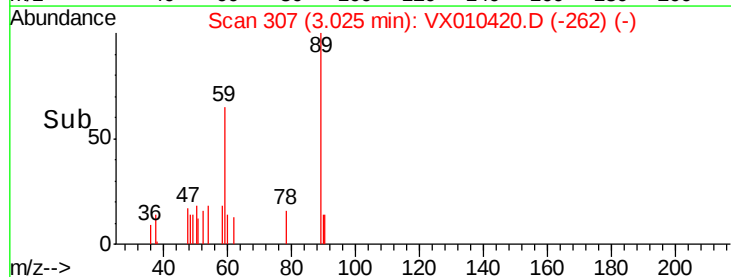
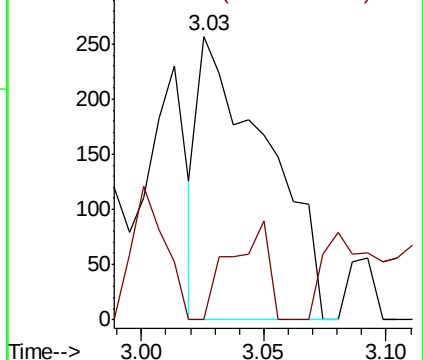
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.864 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

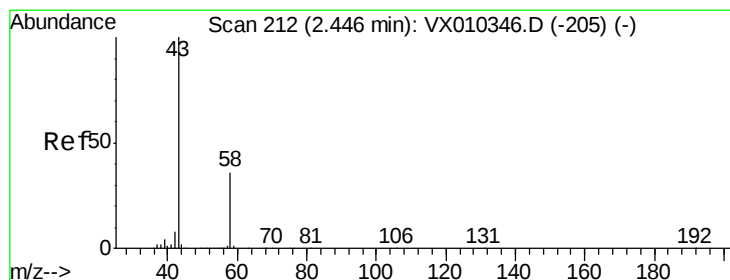
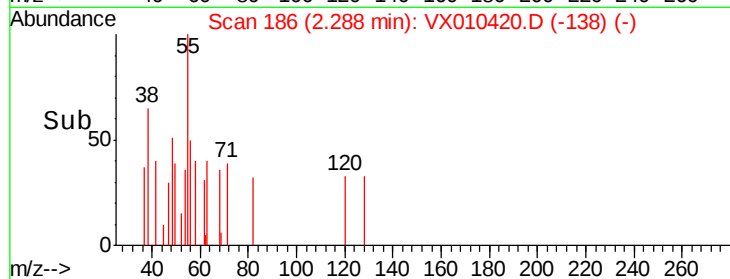
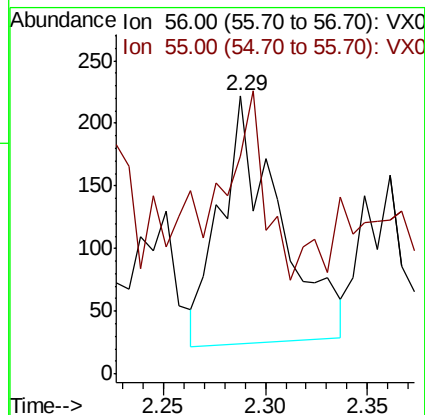
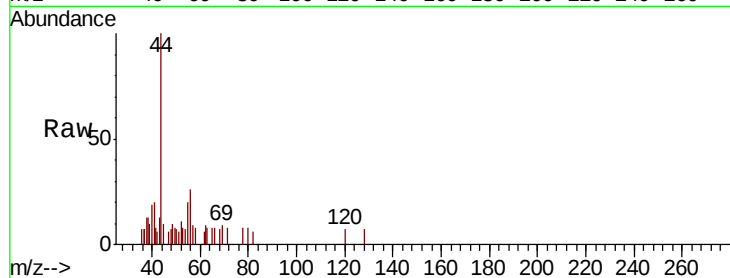
BAT-B10

Tot Ion: 56 Resp: 390

Ion Ratio Lower Upper

56 100

55 45.4 56.9 85.3#



#16

Acetone

Concen: 4.165 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010420.D

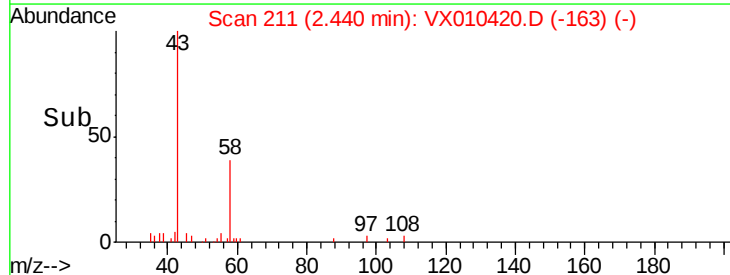
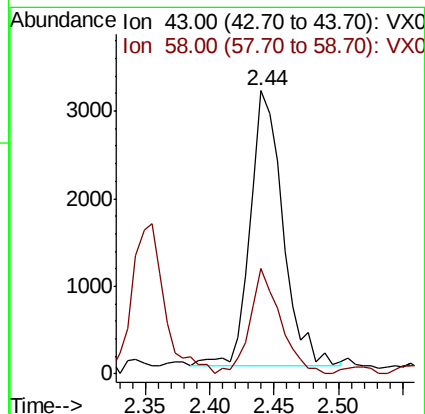
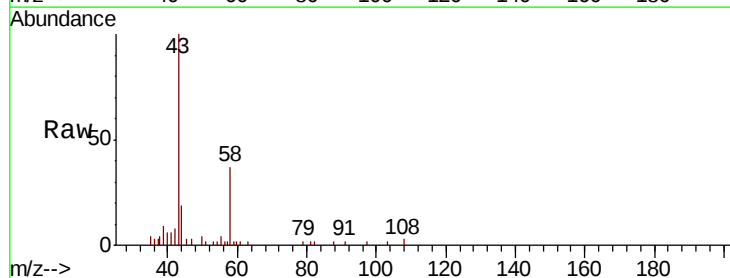
Acq: 24 Jun 2019 18:34

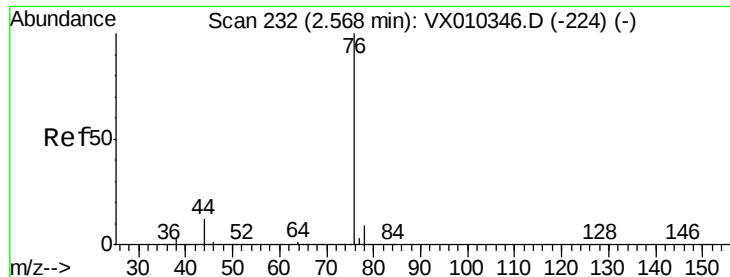
Tgt Ion: 43 Resp: 5429

Ion Ratio Lower Upper

43 100

58 36.5 28.9 43.3





#17

Carbon Disulfide

Concen: 0.338 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

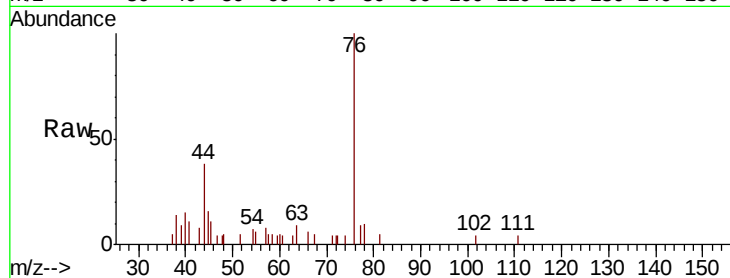
BAT-B10

Tot Ion: 76 Resp: 2179

Ion Ratio Lower Upper

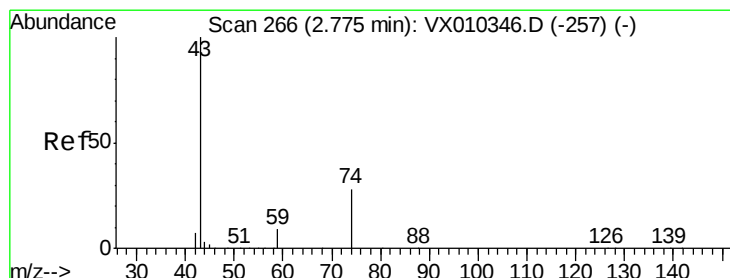
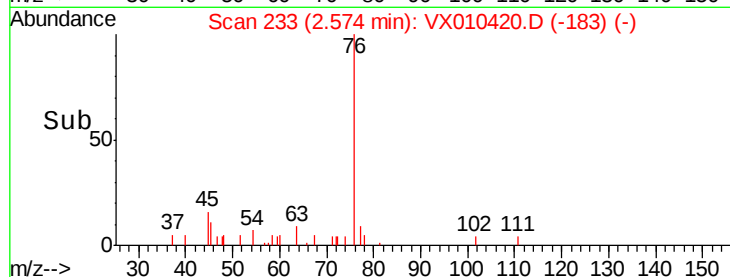
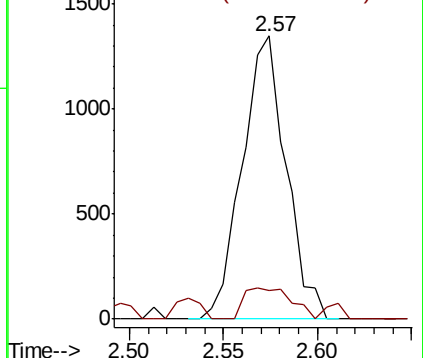
76 100

78 4.5 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.528 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010420.D

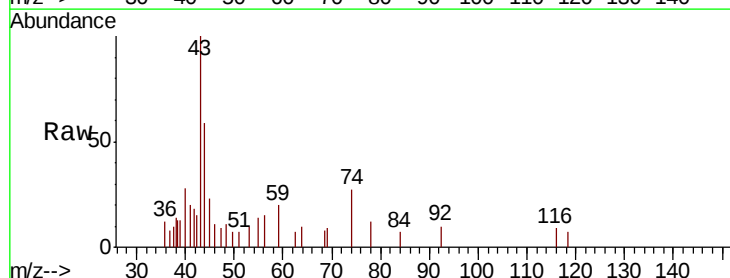
Acq: 24 Jun 2019 18:34

Tgt Ion: 43 Resp: 1373

Ion Ratio Lower Upper

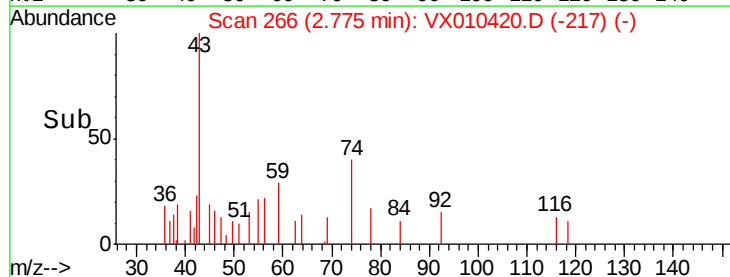
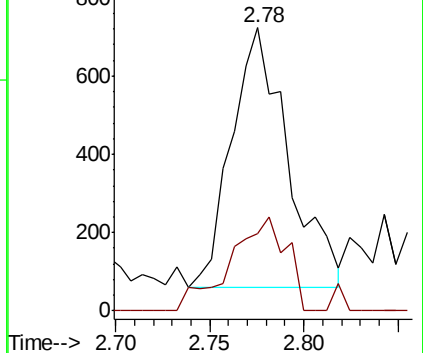
43 100

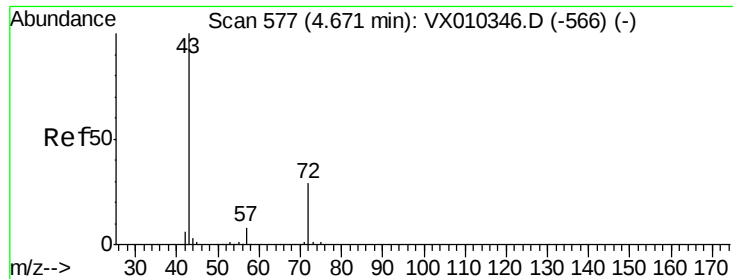
74 36.1 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.907 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

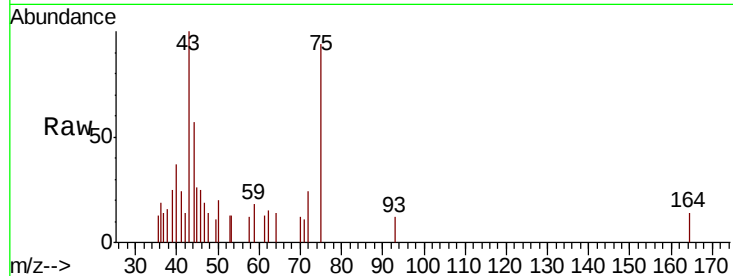
BAT-B10

Tot Ion: 43 Resp: 1735

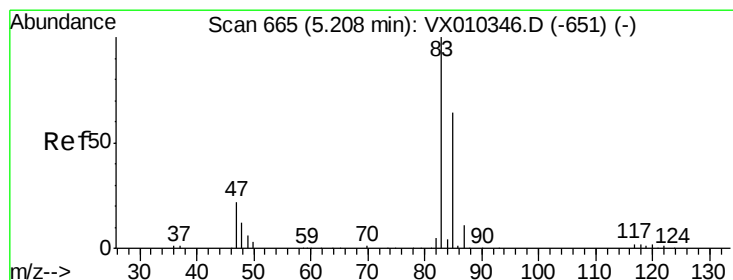
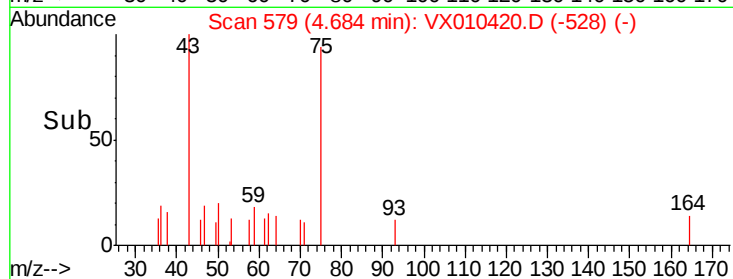
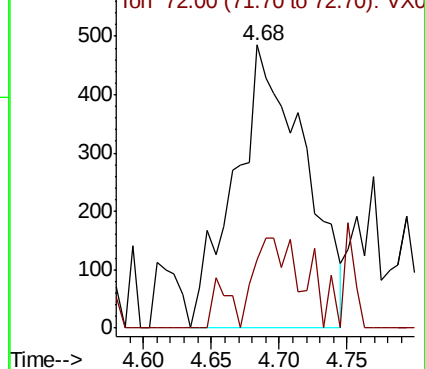
Ion Ratio Lower Upper

43 100

72 23.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0



#30

Chloroform

Concen: 0.581 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX010420.D

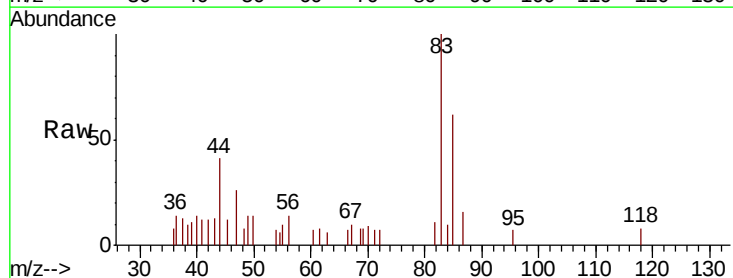
Acq: 24 Jun 2019 18:34

Tgt Ion: 83 Resp: 2579

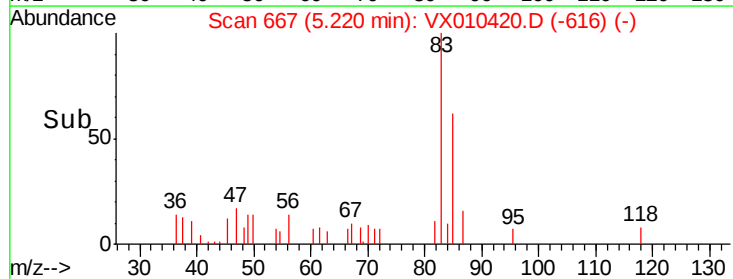
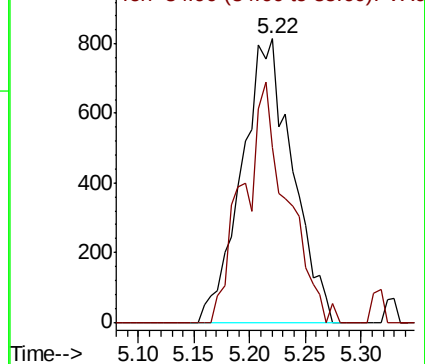
Ion Ratio Lower Upper

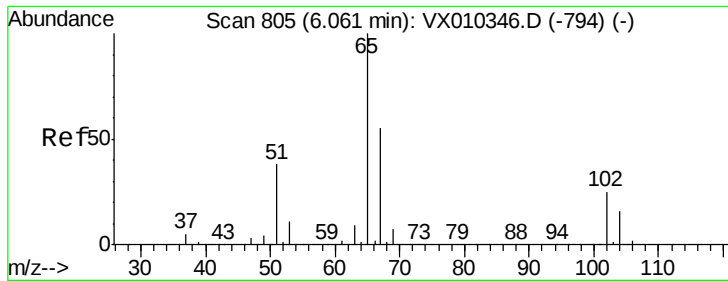
83 100

85 61.7 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

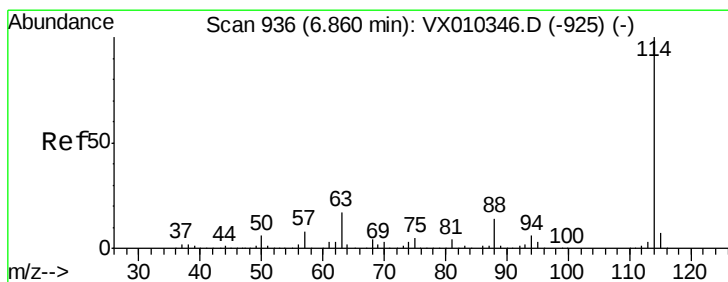
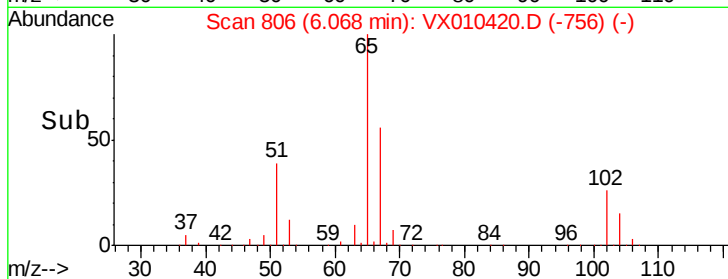
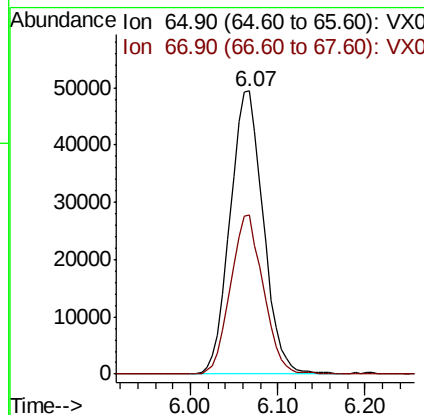
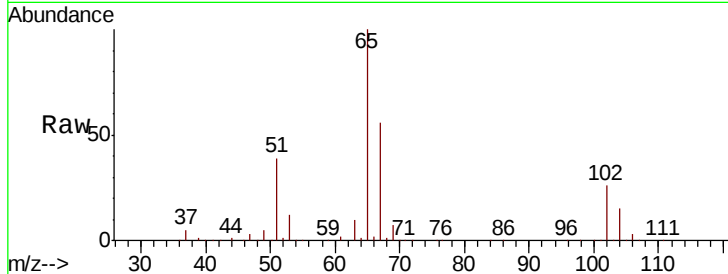




#33
 1,2-Dichloroethane-d4
 Concen: 50.281 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010420.D
 Acq: 24 Jun 2019 18:34

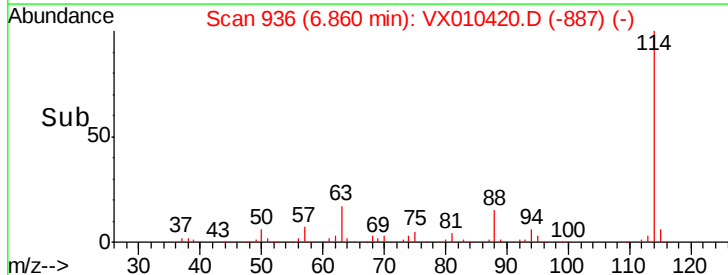
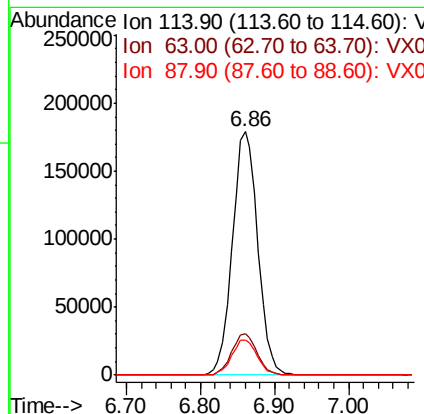
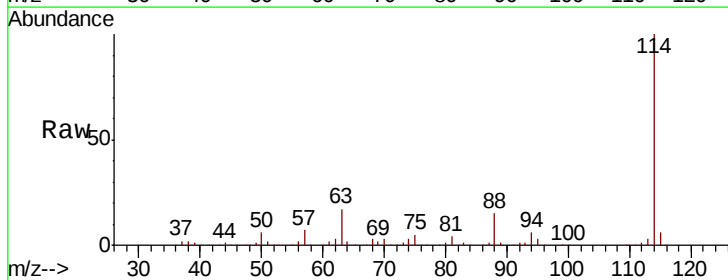
Instrument :
 MSVOA_X
 ClientSampled :
 BAT-B10

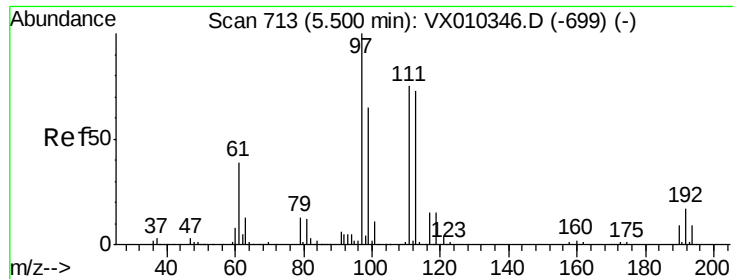
Tot Ion: 65 Resp: 130779
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010420.D
 Acq: 24 Jun 2019 18:34

Tgt Ion: 114 Resp: 427841
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 33.8
 88 14.5 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.603 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BAT-B10

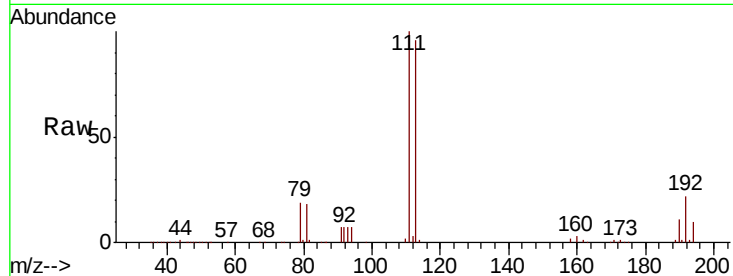
Tot Ion:113 Resp: 129844

Ion Ratio Lower Upper

113 100

111 103.2 81.2 121.8

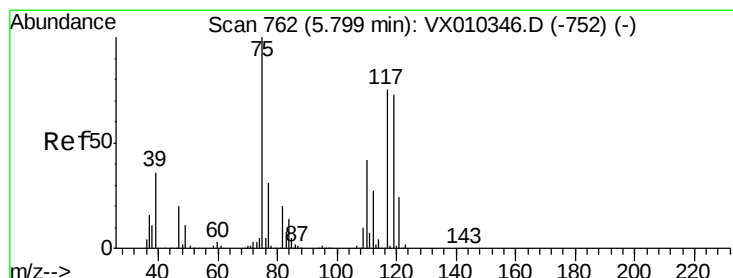
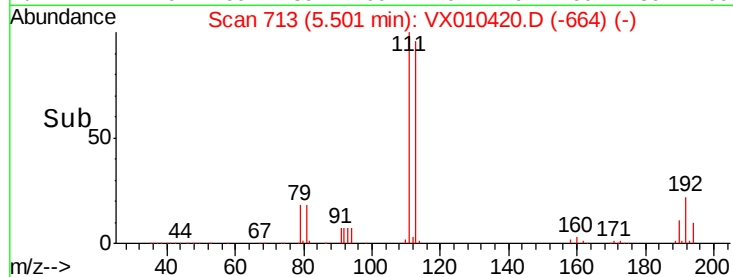
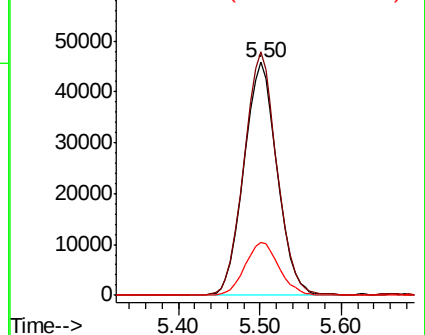
192 23.1 18.6 27.8



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: 4.973 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

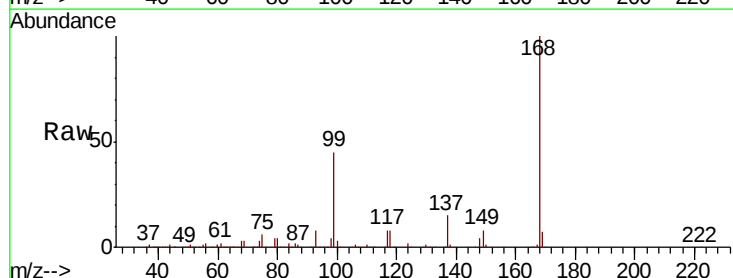
Tgt Ion: 75 Resp: 16907

Ion Ratio Lower Upper

75 100

110 11.0 20.8 62.2#

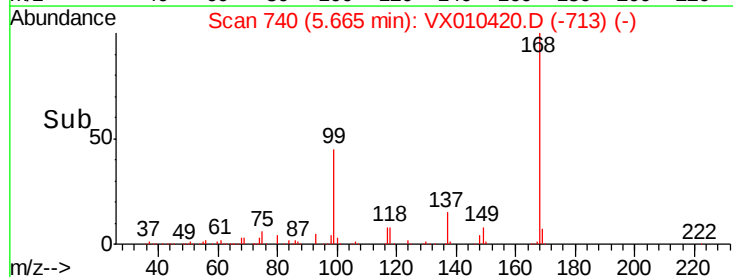
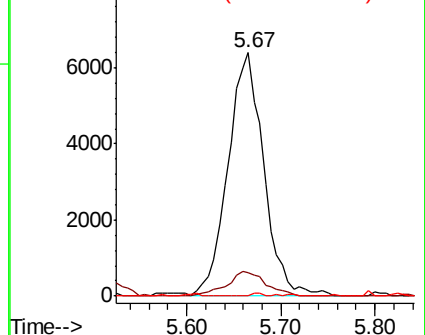
77 0.3 25.4 38.0#

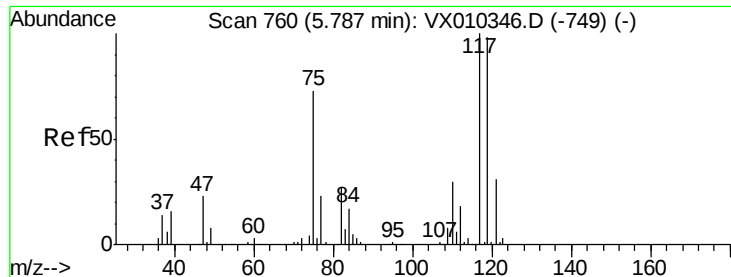


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.531 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BAT-B10

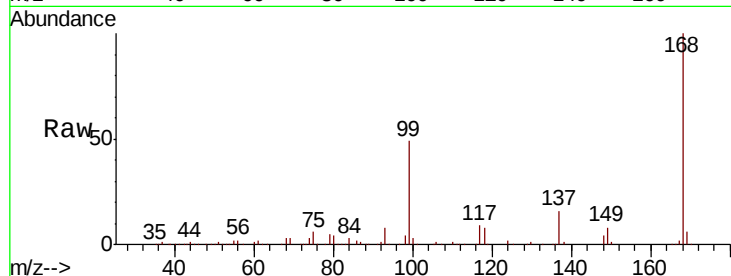
Tot Ion:117 Resp: 24046

Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.4#

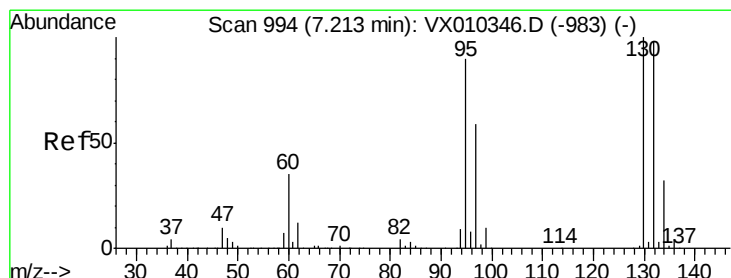
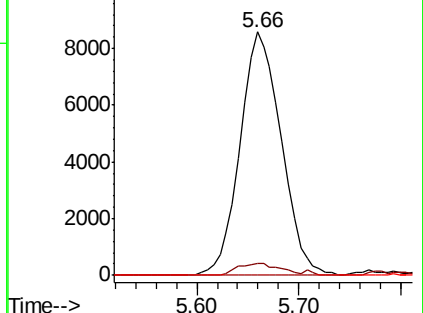
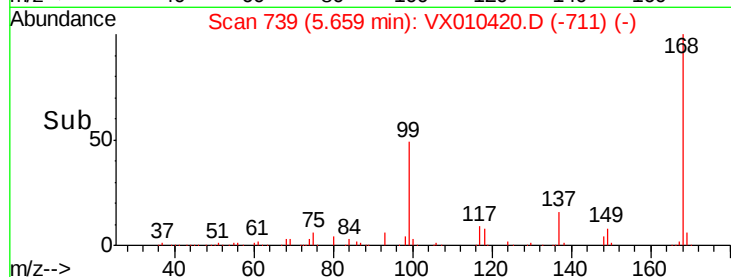
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 1.301 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010420.D

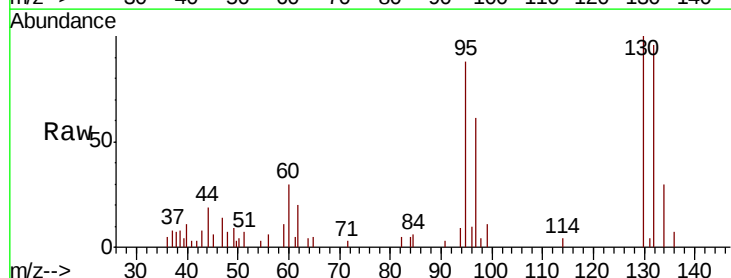
Acq: 24 Jun 2019 18:34

Tgt Ion:130 Resp: 4125

Ion Ratio Lower Upper

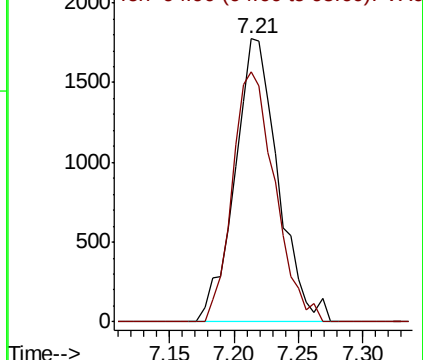
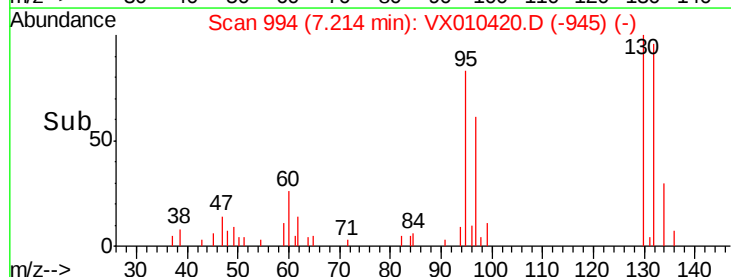
130 100

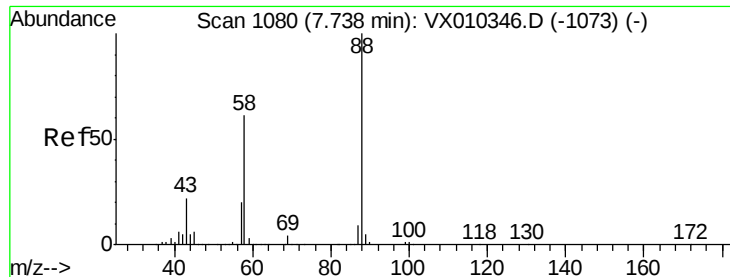
95 88.2 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.271 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

BAT-B10

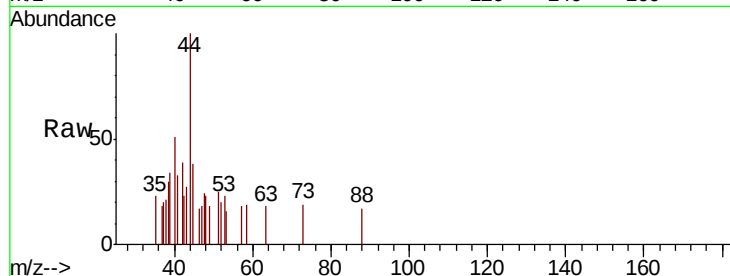
Tot Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 1366.7 20.2 30.2#

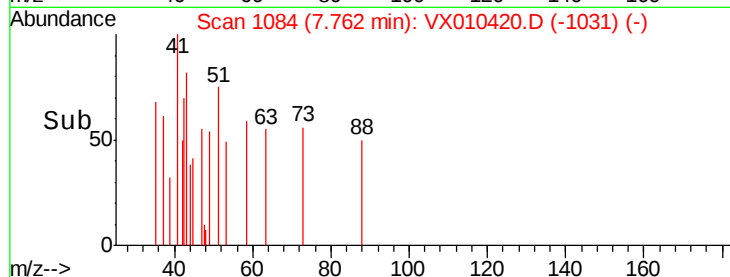
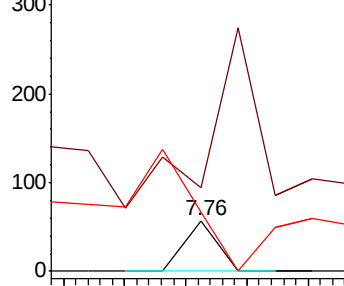
58 752.4 49.5 74.3#



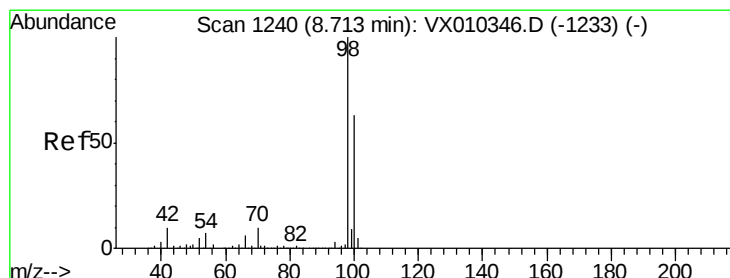
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 50.097 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010420.D

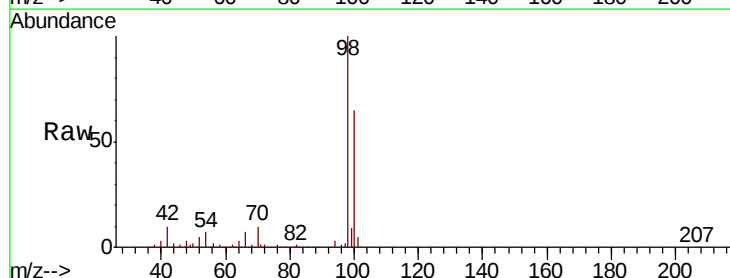
Acq: 24 Jun 2019 18:34

Tgt Ion: 98 Resp: 501709

Ion Ratio Lower Upper

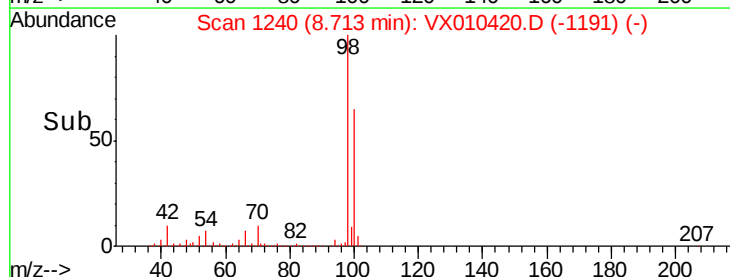
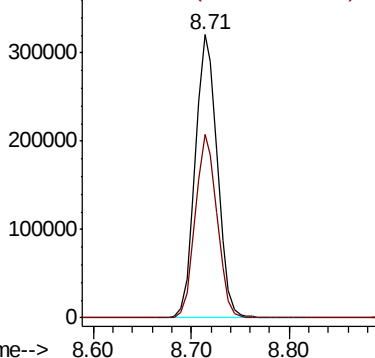
98 100

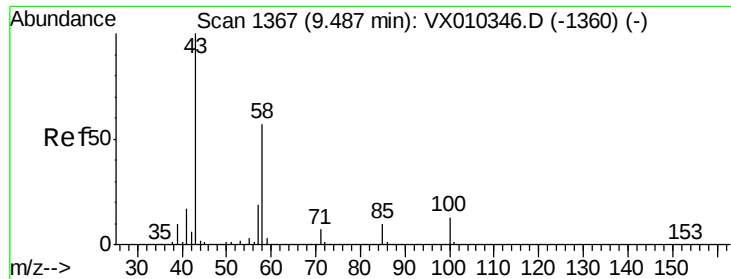
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

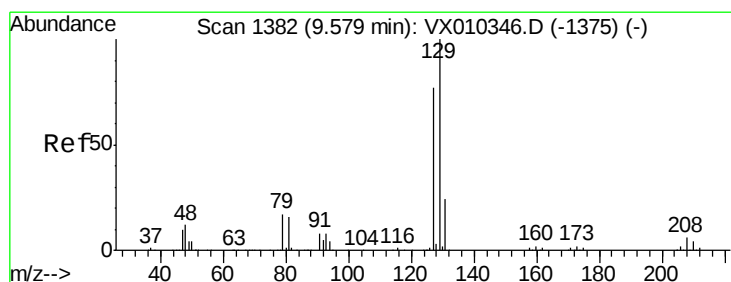
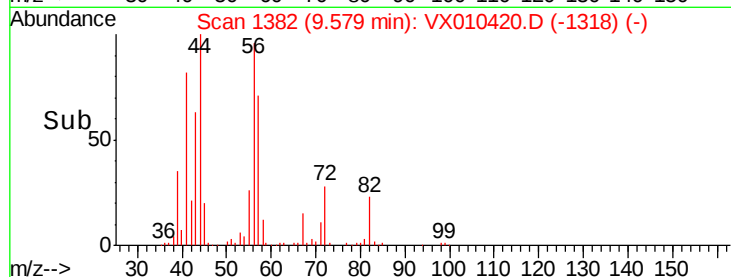
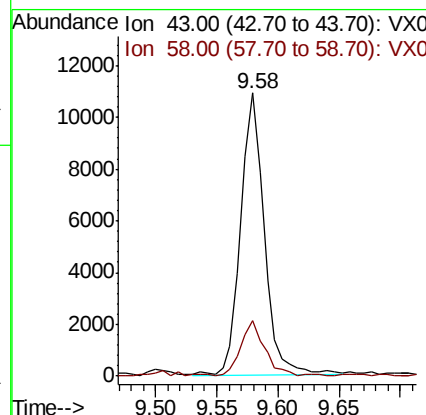
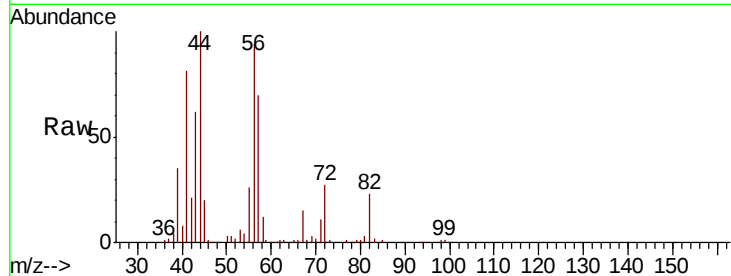




#59
2-Hexanone
Concen: 4.978 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.09 min
Lab File: VX010420.D
Acq: 24 Jun 2019 18:34

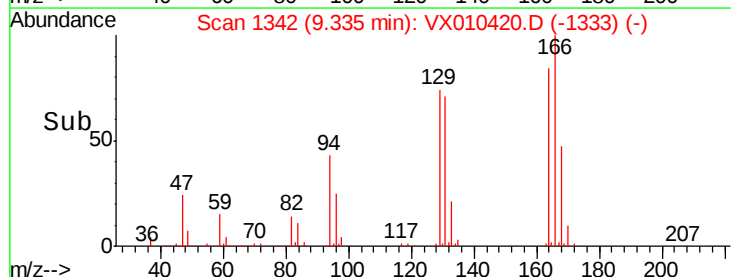
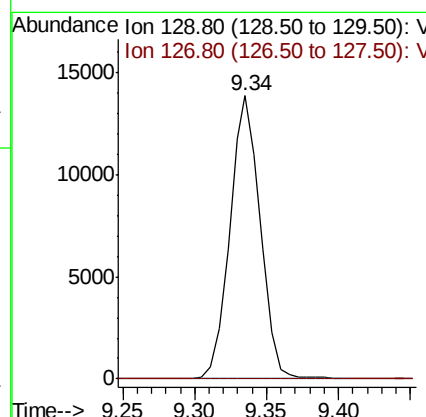
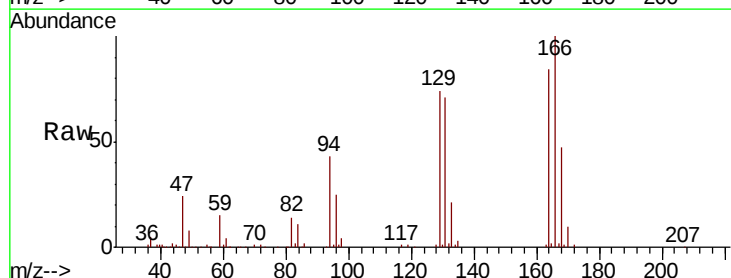
Instrument :
MSVOA_X
ClientSampleId :
BAT-B10

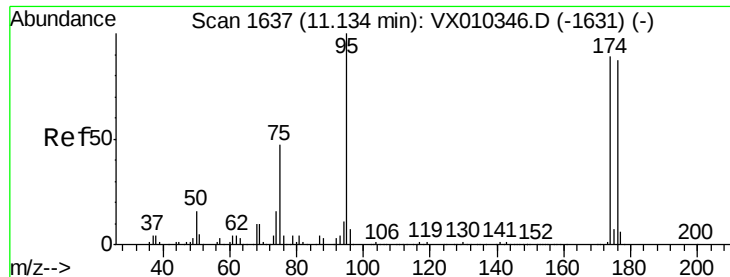
Tot Ion: 43 Resp: 14500
Ion Ratio Lower Upper
43 100
58 19.9 29.0 87.1#



#60
Dibromochloromethane
Concen: 6.339 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010420.D
Acq: 24 Jun 2019 18:34

Tgt Ion: 129 Resp: 20417
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 46.856 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BAT-B10

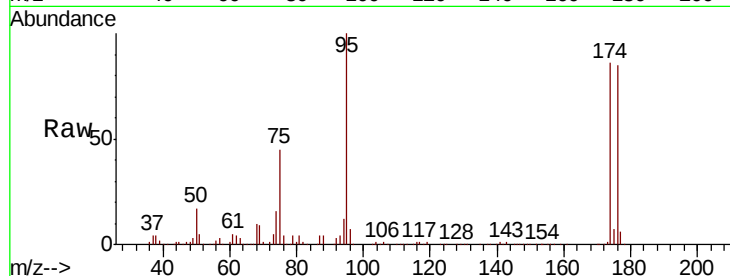
Tot Ion: 95 Resp: 169412

Ion Ratio Lower Upper

95 100

174 93.3 0.0 187.6

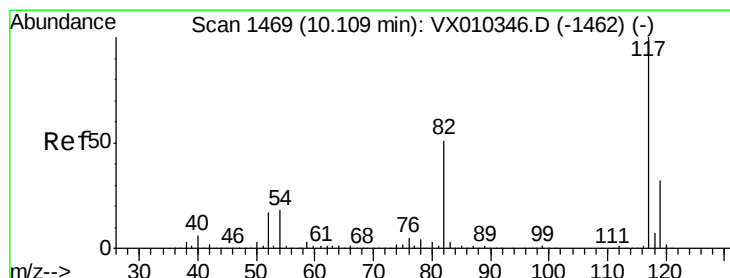
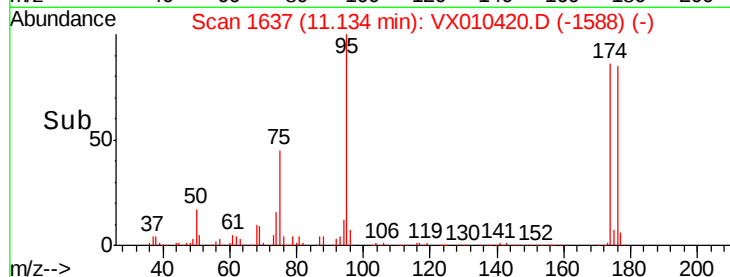
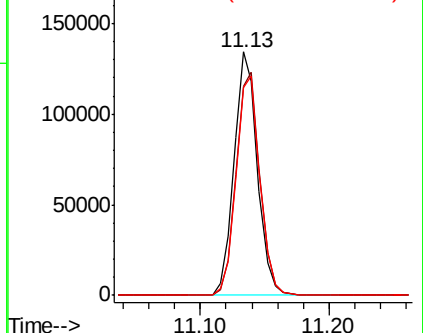
176 91.9 0.0 184.0



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: VX010420.D

Acq: 24 Jun 2019 18:34

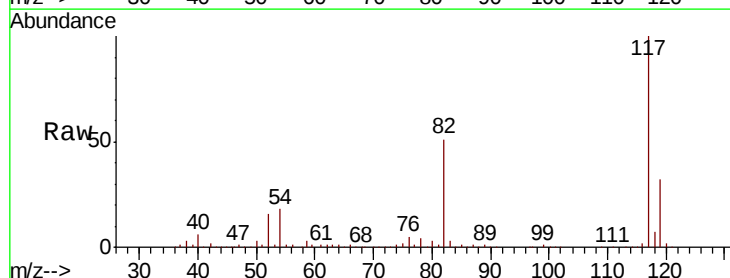
Tgt Ion: 117 Resp: 388187

Ion Ratio Lower Upper

117 100

82 50.9 41.2 61.8

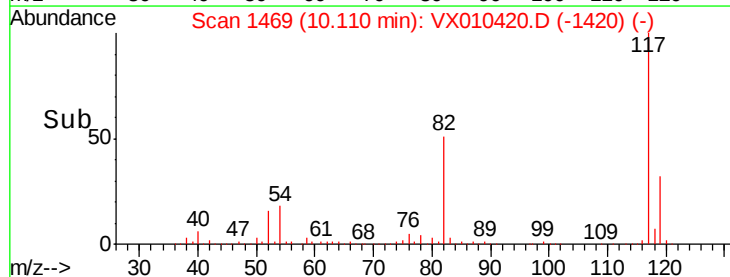
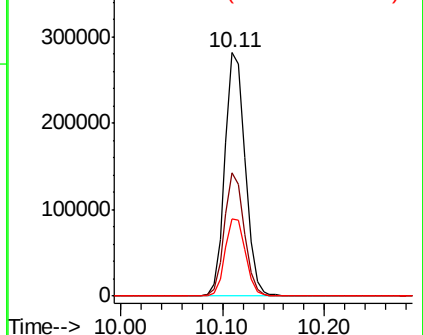
119 31.6 25.5 38.3

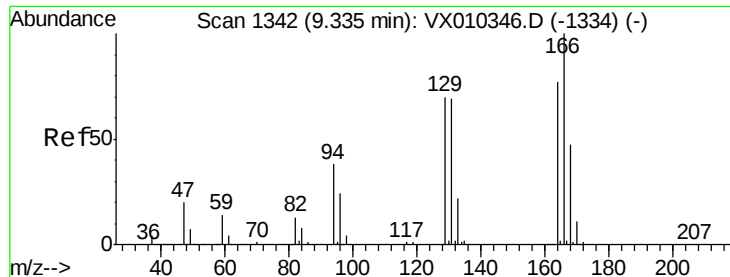


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 7.047 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BAT-B10

Tot Ion:164 Resp: 22126

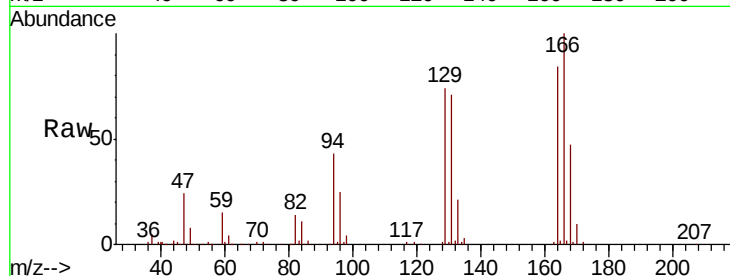
Ion Ratio Lower Upper

164 100

166 119.1 103.6 155.4

129 88.5 73.0 109.4

131 84.1 71.0 106.4

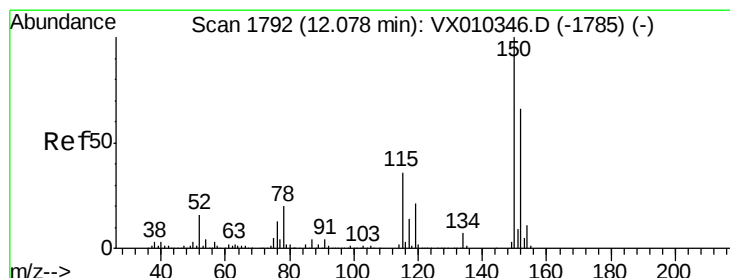
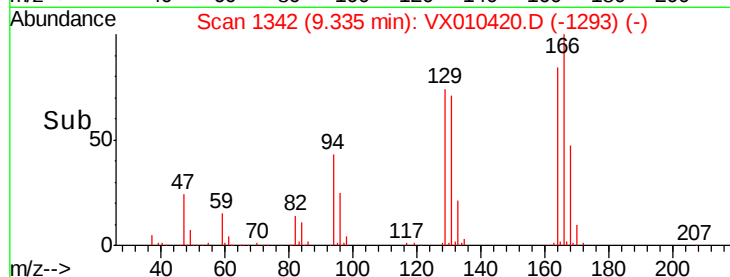
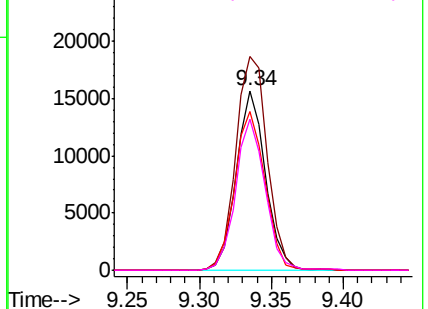


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX010420.D

Acq: 24 Jun 2019 18:34

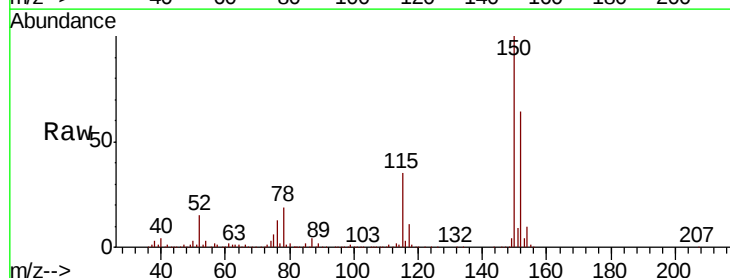
Tgt Ion:152 Resp: 180237

Ion Ratio Lower Upper

152 100

115 55.1 38.6 115.7

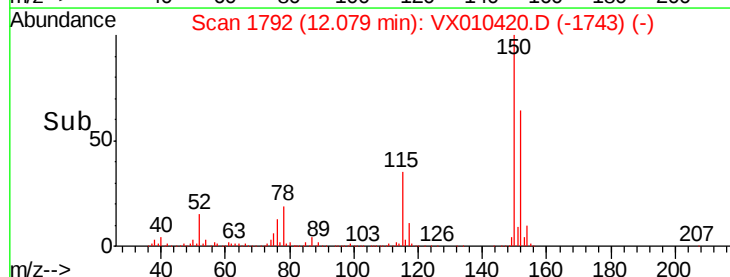
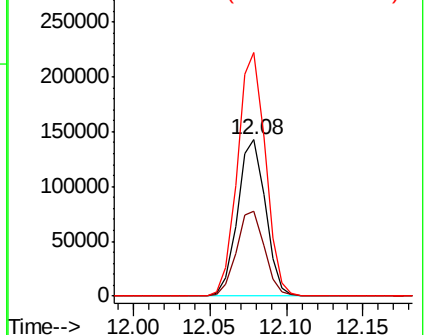
150 156.3 0.0 347.4

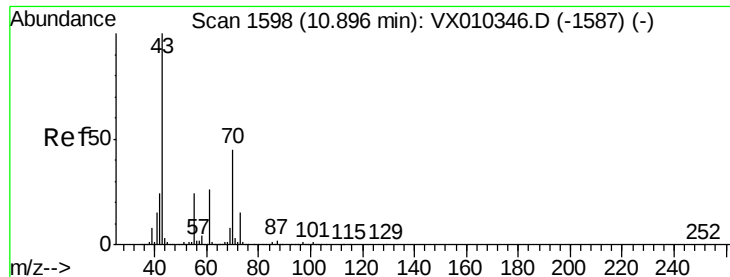


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.217 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

BAT-B10

Tot Ion: 43 Resp: 1001

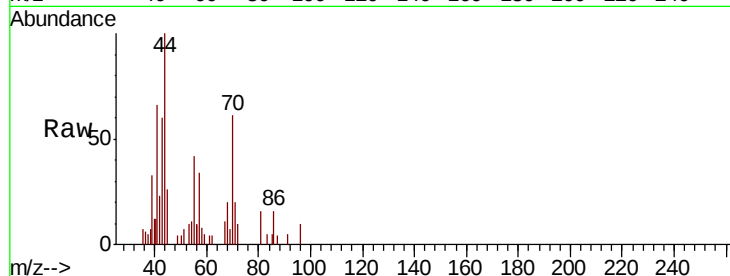
Ion Ratio Lower Upper

43 100

70 137.9 36.6 54.8#

55 72.8 18.7 28.1#

61 0.0 20.6 31.0#

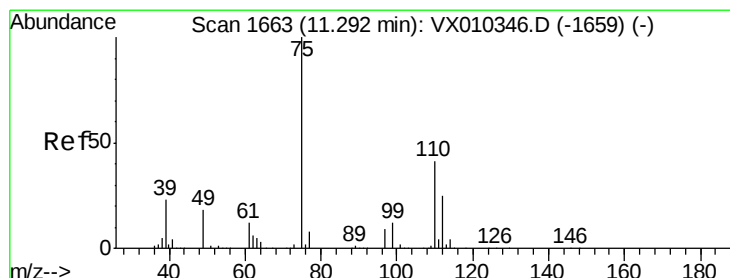
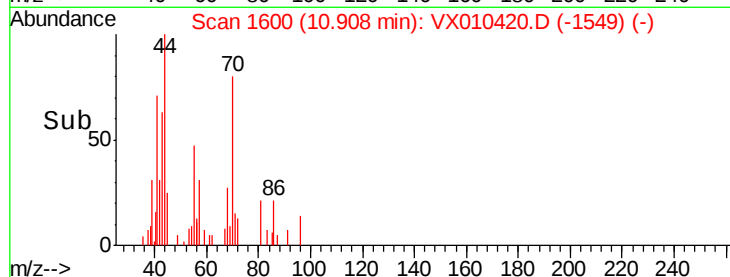
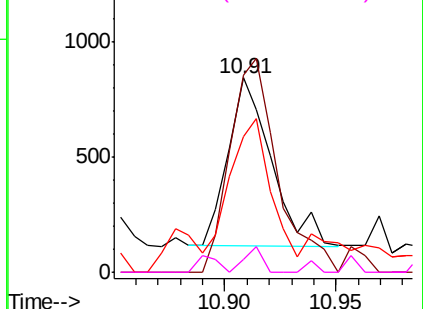


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.015 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010420.D

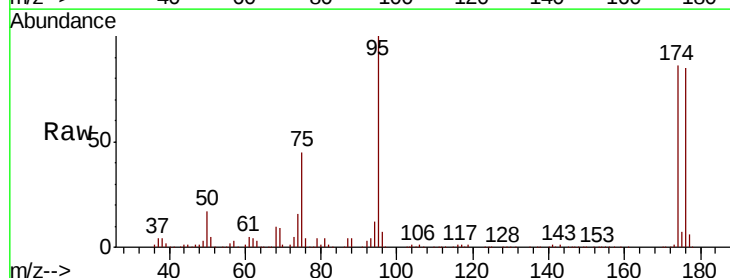
Acq: 24 Jun 2019 18:34

Tgt Ion: 75 Resp: 78876

Ion Ratio Lower Upper

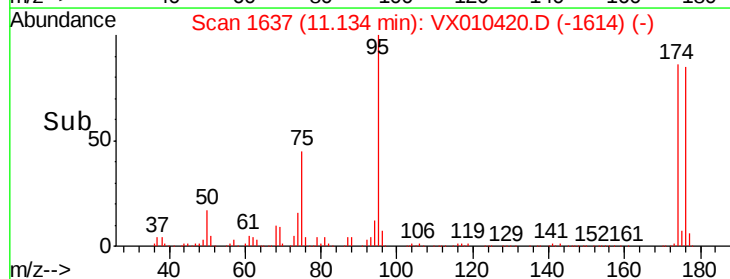
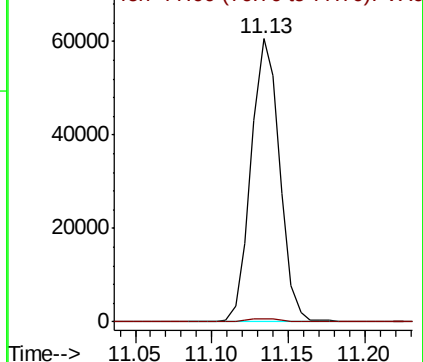
75 100

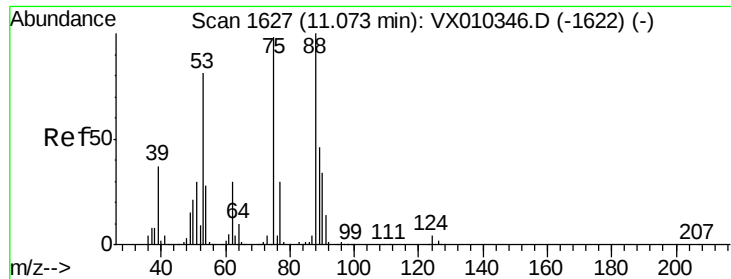
77 1.4 22.6 67.8#



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: 56.025 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010420.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

BAT-B10

Tot Ion: 75 Resp: 78876

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#

