

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
 Data File : VX010414.D
 Acq On : 24 Jun 2019 16:14
 Operator : JC/SP
 Sample : K3164-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B01

Quant Time: Jun 25 03:39:01 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	279505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	426925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	384512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	131391	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	5.50	113	131586	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	8.71	98	503646	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.13	95	169867	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

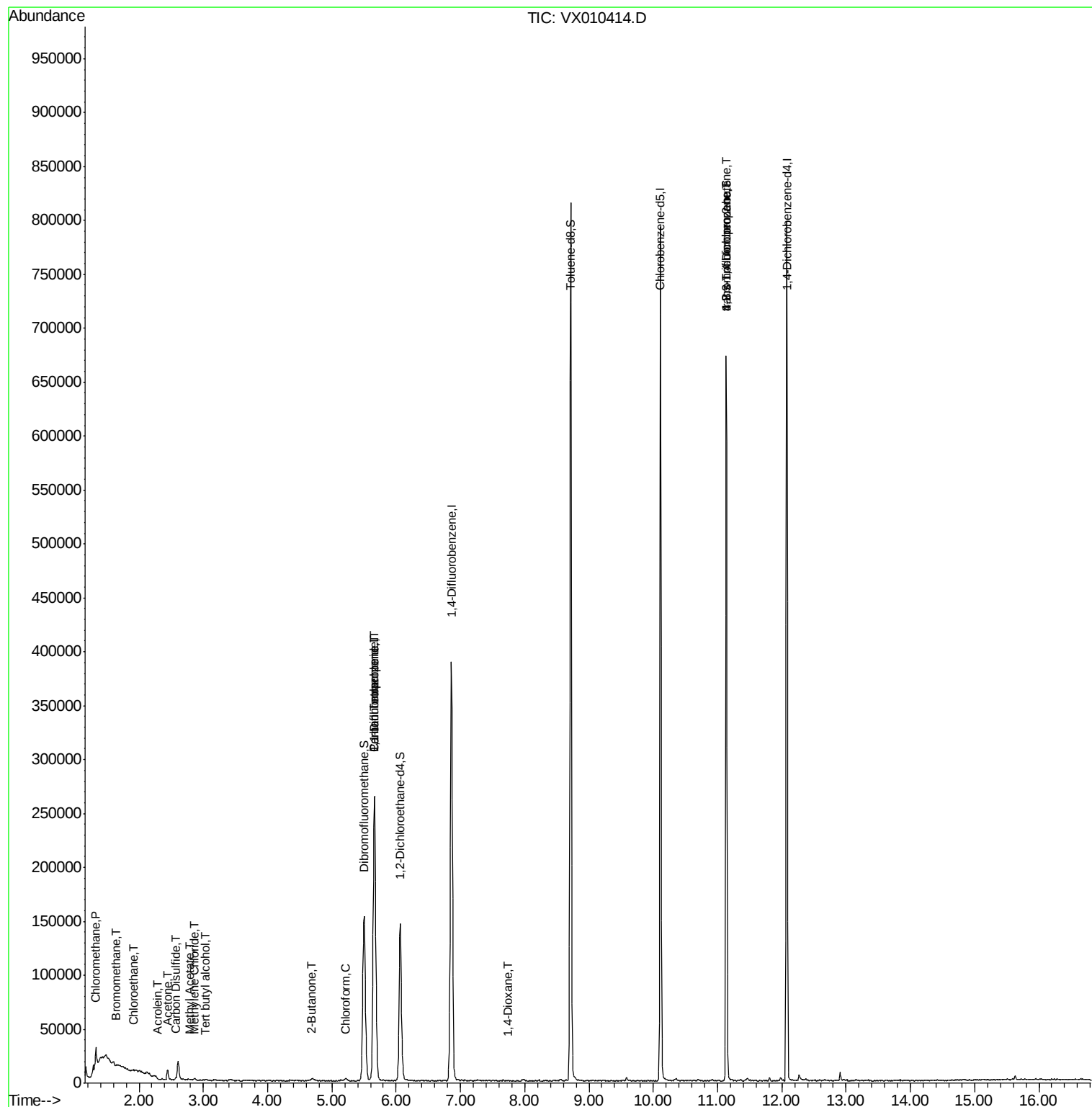
					Qvalue	
3) Chloromethane	1.33	50	7801	3.448	ug/l	95
5) Bromomethane	1.65	94	649	0.538	ug/l #	54
6) Chloroethane	1.92	64	357	0.244	ug/l #	60
11) Tert butyl alcohol	3.03	59	1018	1.485	ug/l #	86
13) Acrolein	2.29	56	537	1.180	ug/l #	55
16) Acetone	2.44	43	10341	7.874	ug/l	100
17) Carbon Disulfide	2.57	76	2974	0.458	ug/l	99
18) Methyl Acetate	2.78	43	1015	0.388	ug/l #	76
20) Methylene Chloride	2.86	84	641	0.237	ug/l #	78
25) 2-Butanone	4.68	43	2861	1.485	ug/l #	83
30) Chloroform	5.21	83	2202	0.492	ug/l	93
36) 1,1-Dichloropropene	5.66	75	16638	4.904	ug/l #	48
38) Carbon Tetrachloride	5.66	117	23747	6.464	ug/l #	15
49) 1,4-Dioxane	7.73	88	40	0.517	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	79213	23.878	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	79213	55.704	ug/l #	16

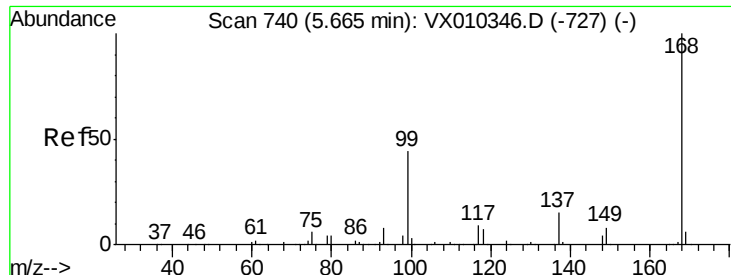
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062419\
Data File : VX010414.D
Acq On : 24 Jun 2019 16:14
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BAT-B01

Quant Time: Jun 25 03:39:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
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: VX010414.D

Acq: 24 Jun 2019 16:14

Instrument :

MSVOA_X

ClientSampled :

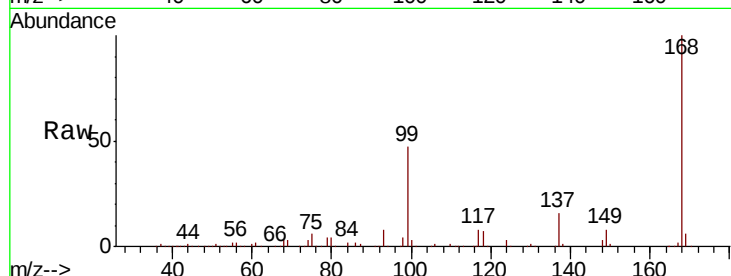
BAT-B01

Tot Ion:168 Resp: 279505

Ion Ratio Lower Upper

168 100

99 46.9 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

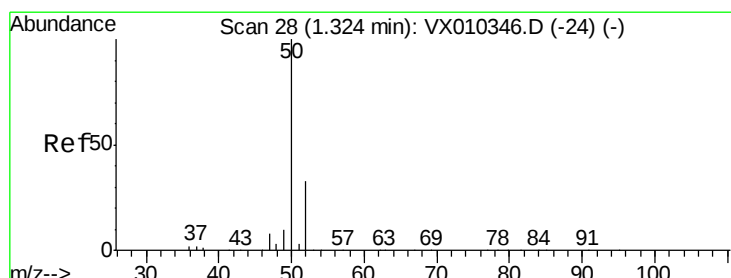
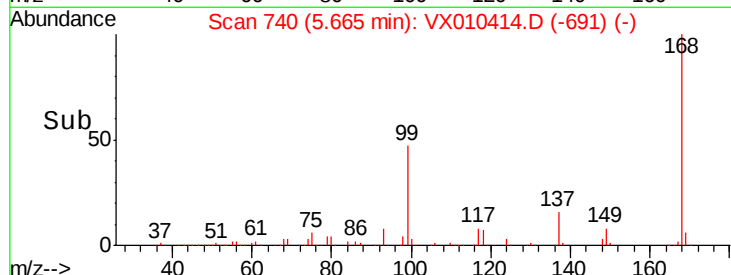
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 3.448 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010414.D

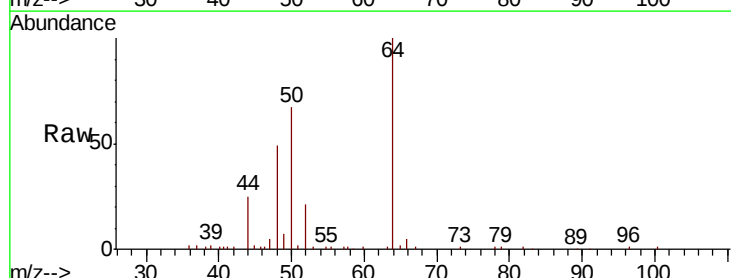
Acq: 24 Jun 2019 16:14

Tgt Ion: 50 Resp: 7801

Ion Ratio Lower Upper

50 100

52 30.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

8000

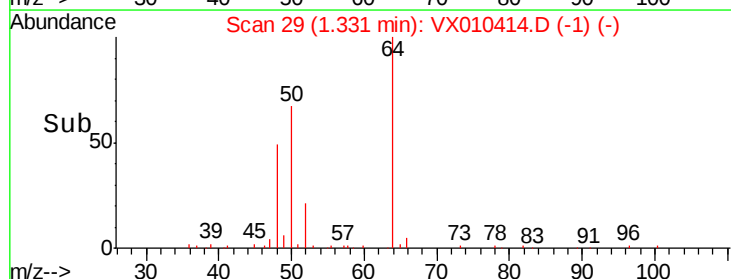
6000

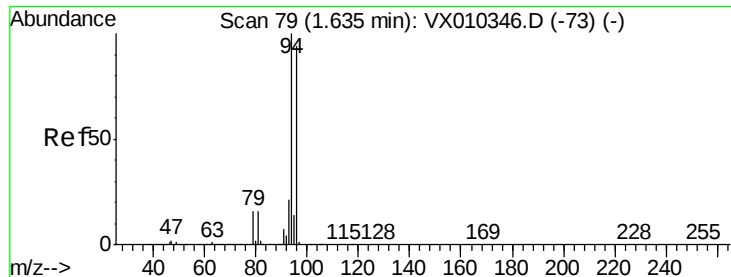
4000

2000

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.538 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010414.D

Acq: 24 Jun 2019 16:14

Instrument :

MSVOA_X

ClientSampled :

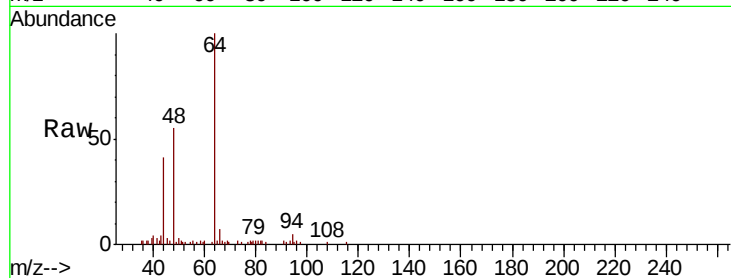
BAT-B01

Tot Ion: 94 Resp: 649

Ion Ratio Lower Upper

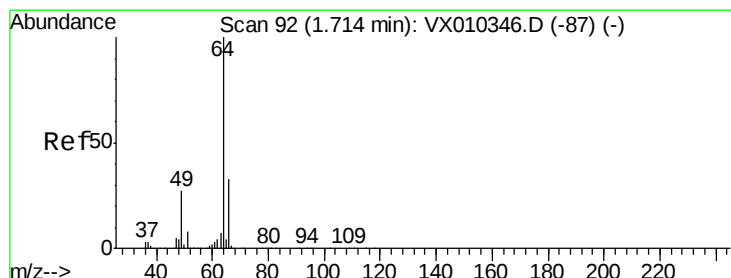
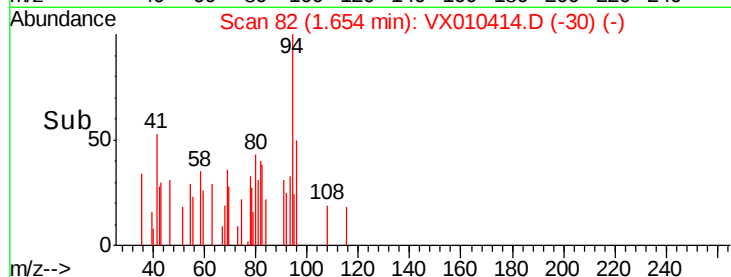
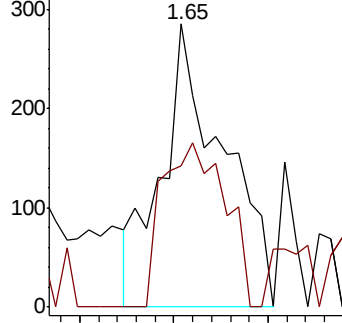
94 100

96 49.8 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.244 ug/l

RT: 1.92 min Scan# 125

Delta R.T. 0.20 min

Lab File: VX010414.D

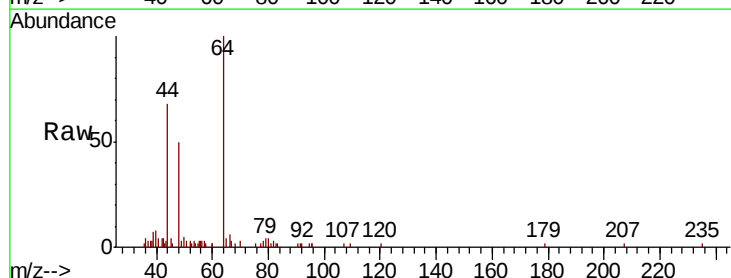
Acq: 24 Jun 2019 16:14

Tgt Ion: 64 Resp: 357

Ion Ratio Lower Upper

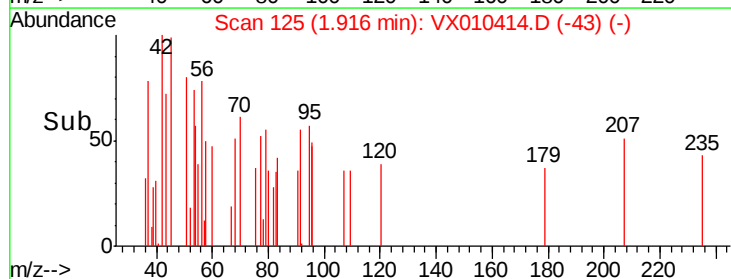
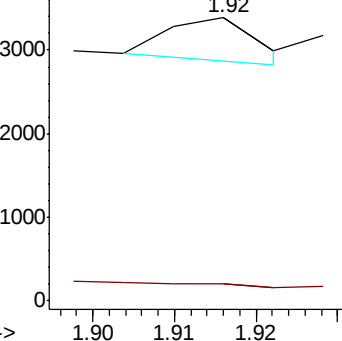
64 100

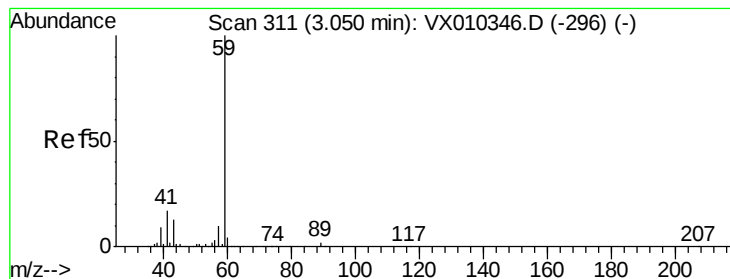
66 10.8 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



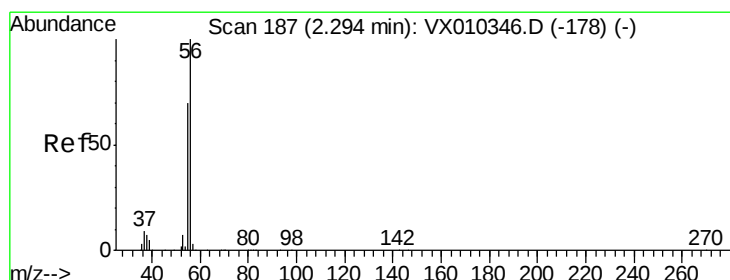
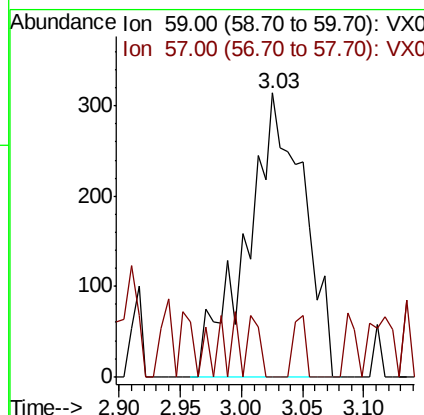
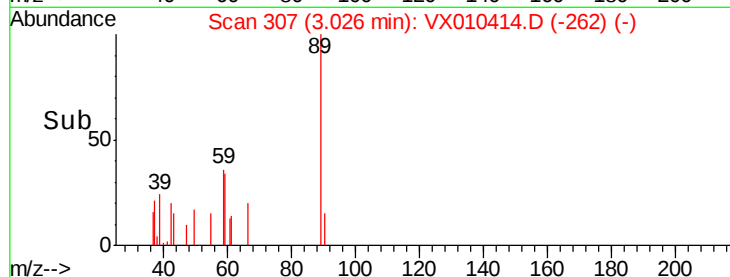
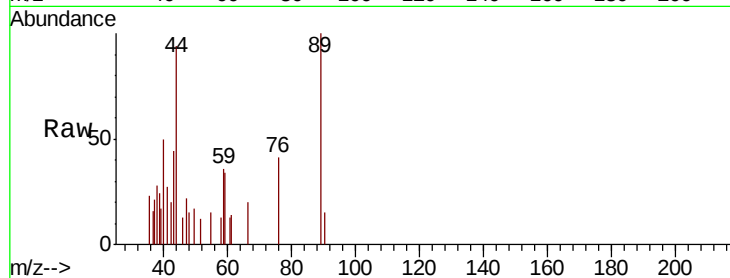


#11

Tert butyl alcohol
 Concen: 1.485 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010414.D
 Acq: 24 Jun 2019 16:14

Instrument :
 MSVOA_X
 ClientSampled :
 BAT-B01

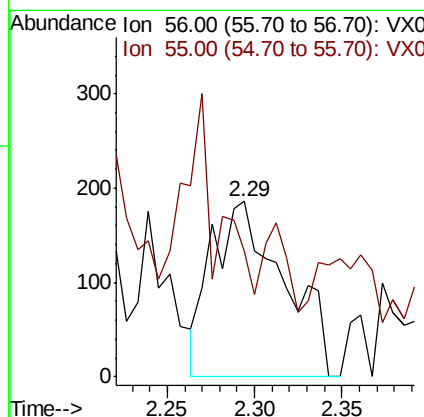
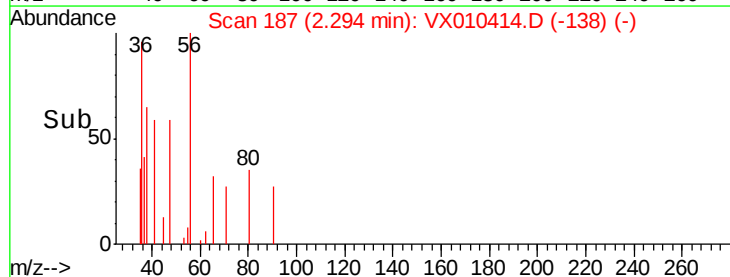
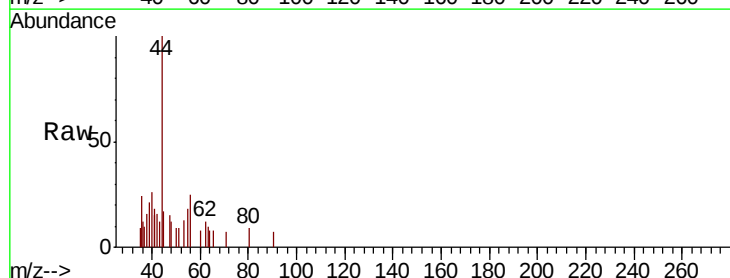
Tot Ion: 59 Resp: 1018
 Ion Ratio Lower Upper
 59 100
 57 4.4 7.7 11.5#

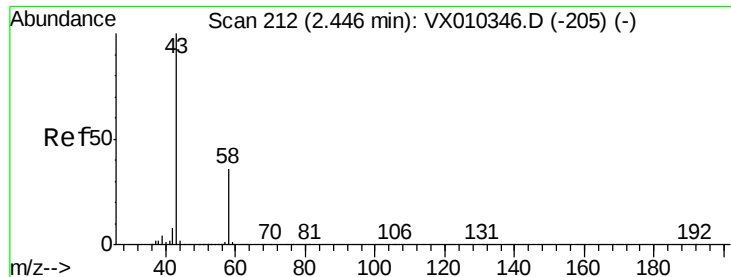


#13

Acrolein
 Concen: 1.180 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010414.D
 Acq: 24 Jun 2019 16:14

Tgt Ion: 56 Resp: 537
 Ion Ratio Lower Upper
 56 100
 55 34.1 56.9 85.3#





#16

Acetone

Concen: 7.874 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010414.D

Acq: 24 Jun 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

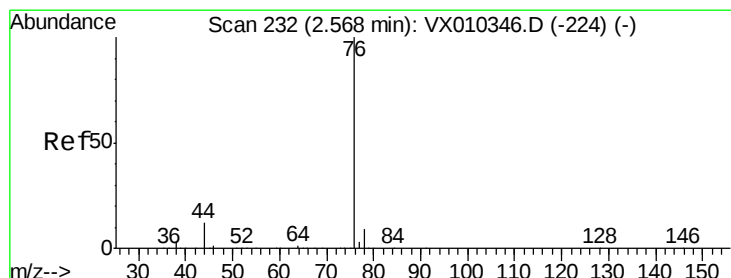
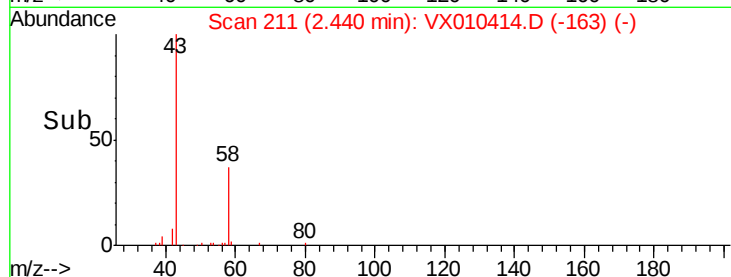
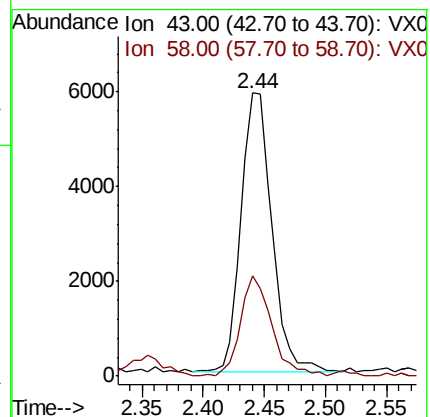
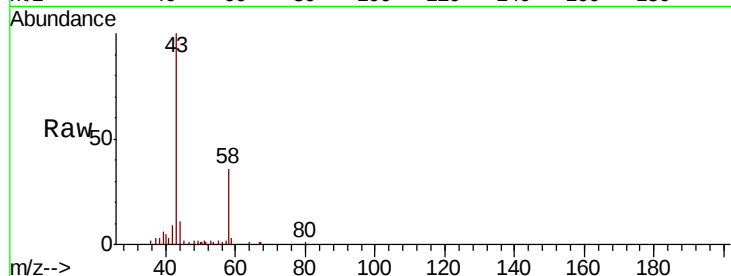
BAT-B01

Tot Ion: 43 Resp: 10341

Ion Ratio Lower Upper

43 100

58 36.0 28.9 43.3



#17

Carbon Disulfide

Concen: 0.458 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010414.D

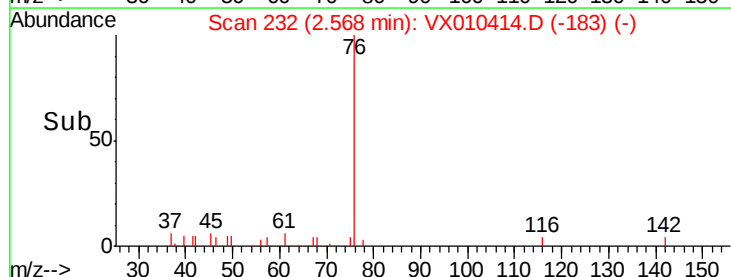
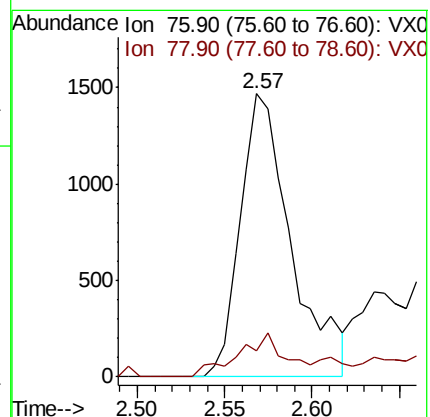
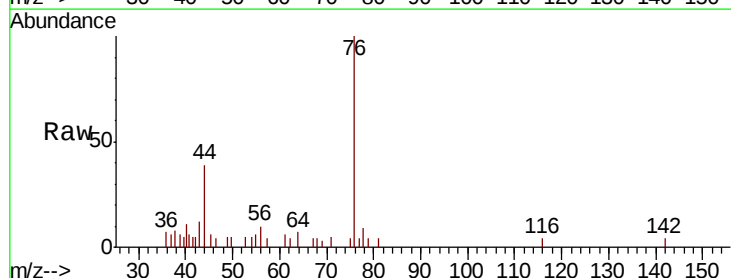
Acq: 24 Jun 2019 16:14

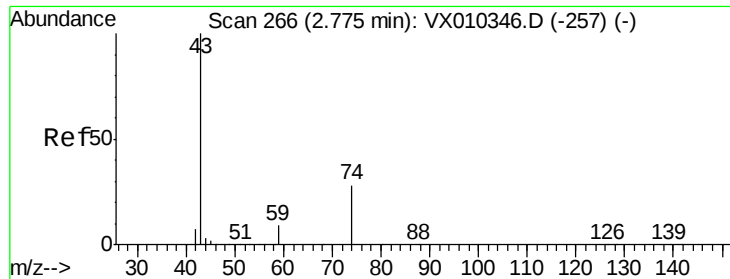
Tgt Ion: 76 Resp: 2974

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

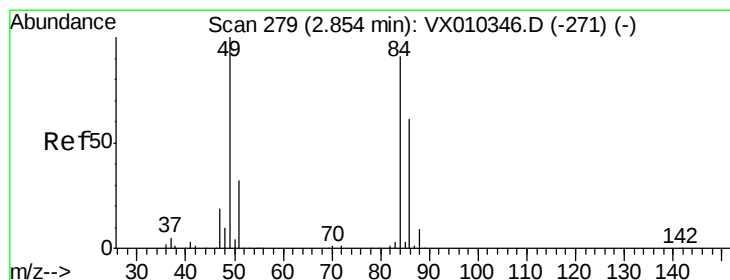
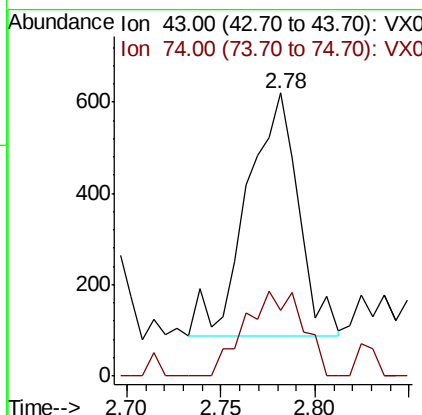
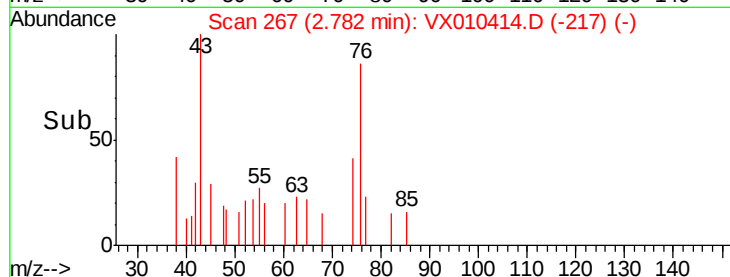
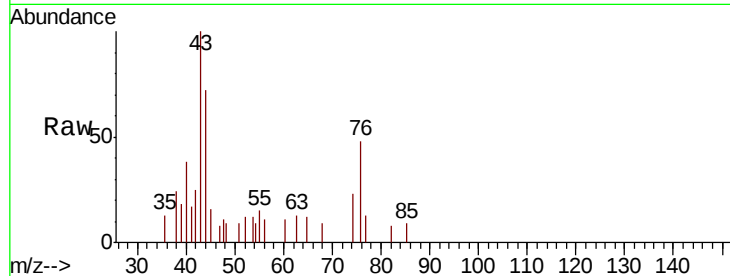




#18
Methyl Acetate
Concen: 0.388 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010414.D
Acq: 24 Jun 2019 16:14

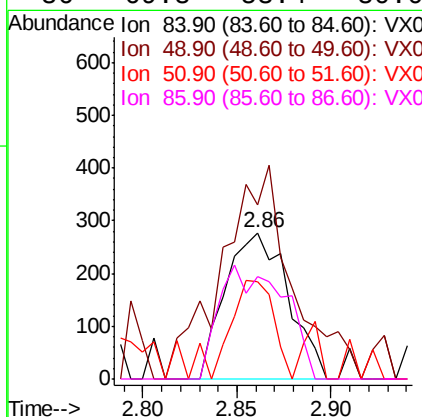
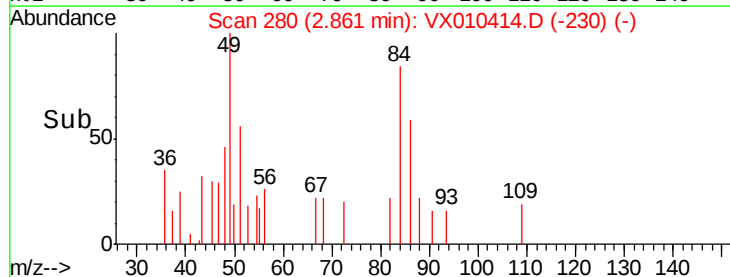
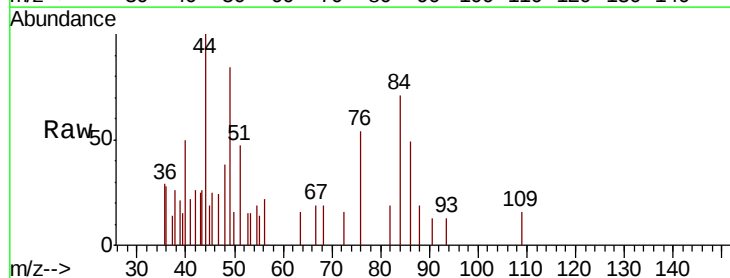
Instrument :
MSVOA_X
ClientSampled :
BAT-B01

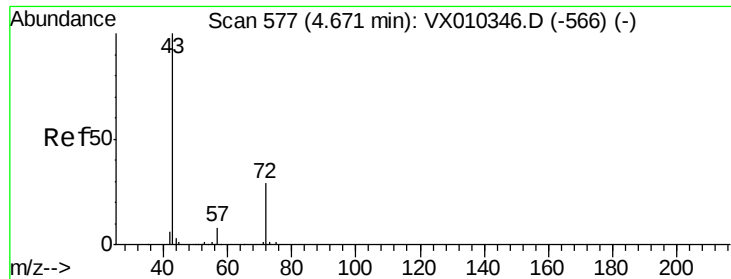
Tot Ion: 43 Resp: 1015
Ion Ratio Lower Upper
43 100
74 38.8 21.3 31.9#



#20
Methylene Chloride
Concen: 0.237 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010414.D
Acq: 24 Jun 2019 16:14

Tgt Ion: 84 Resp: 641
Ion Ratio Lower Upper
84 100
49 86.0 87.5 131.3#
51 66.5 27.7 41.5#
86 69.8 53.4 80.0





#25

2-Butanone

Concen: 1.485 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010414.D

Acq: 24 Jun 2019 16:14

Instrument :

MSVOA_X

ClientSampled :

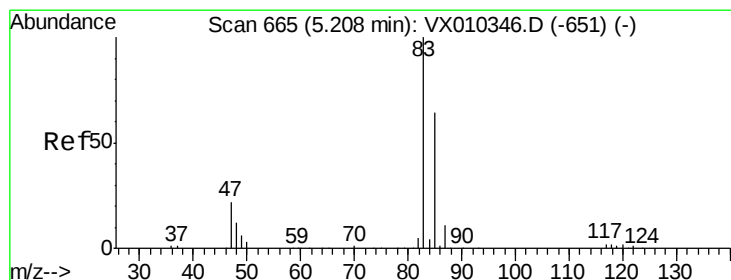
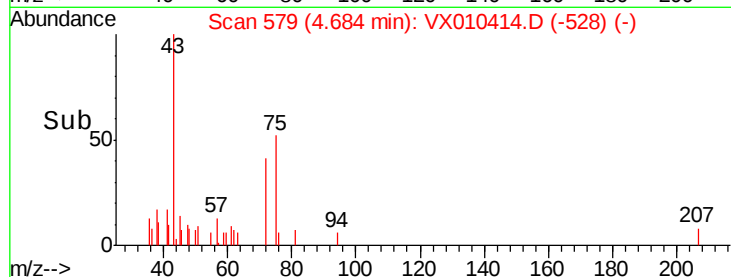
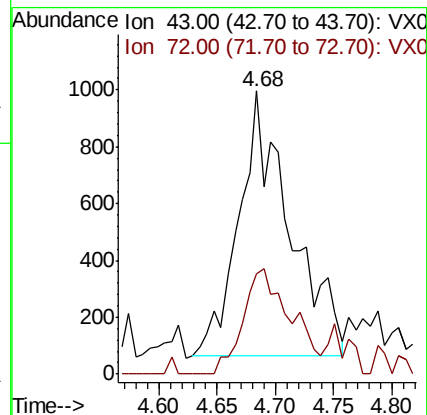
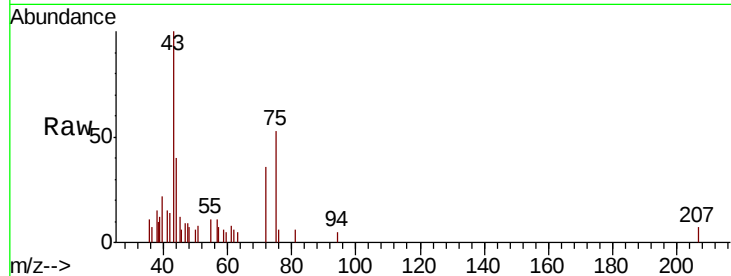
BAT-B01

Tot Ion: 43 Resp: 2861

Ion Ratio Lower Upper

43 100

72 37.9 23.3 34.9#



#30

Chloroform

Concen: 0.492 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010414.D

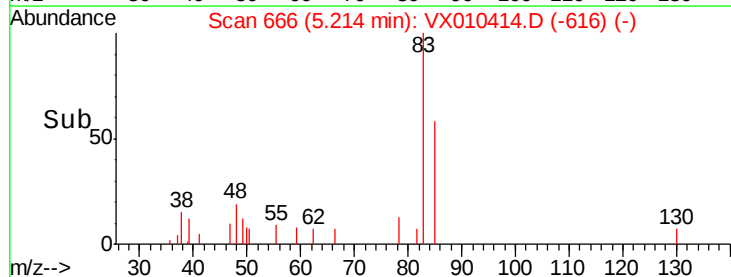
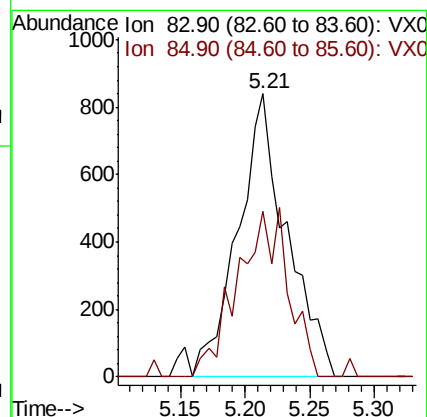
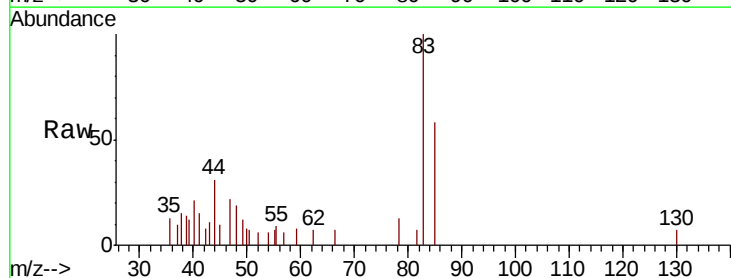
Acq: 24 Jun 2019 16:14

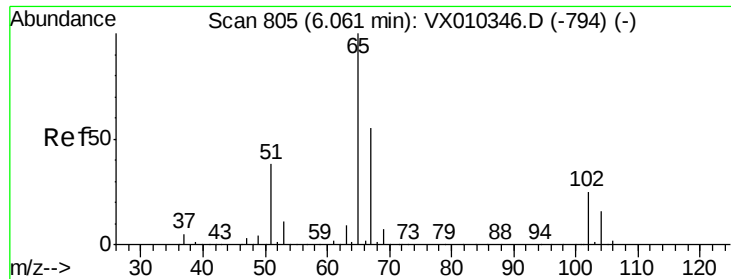
Tgt Ion: 83 Resp: 2202

Ion Ratio Lower Upper

83 100

85 58.4 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 50.137 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010414.D

Acq: 24 Jun 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

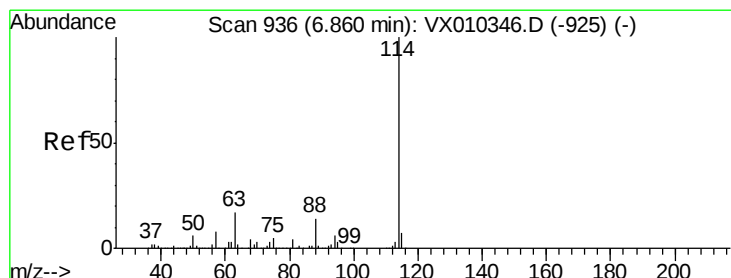
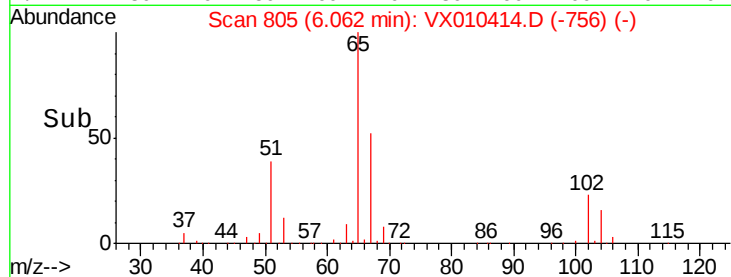
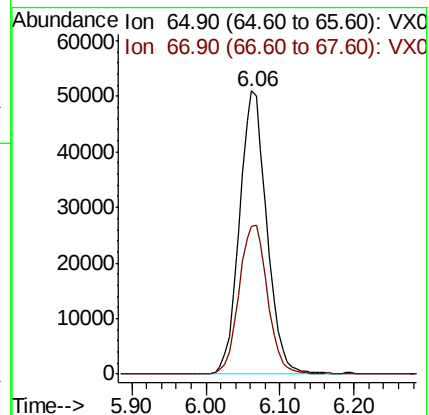
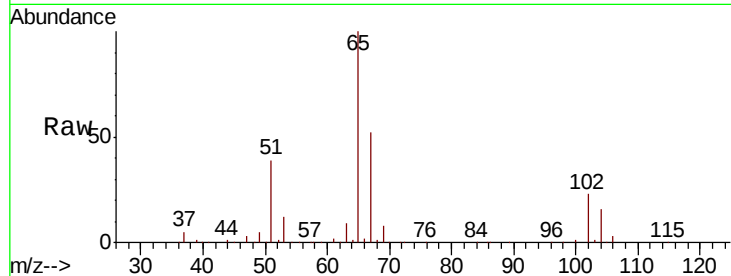
BAT-B01

Tot Ion: 65 Resp: 131391

Ion Ratio Lower Upper

65 100

67 54.7 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: VX010414.D

Acq: 24 Jun 2019 16:14

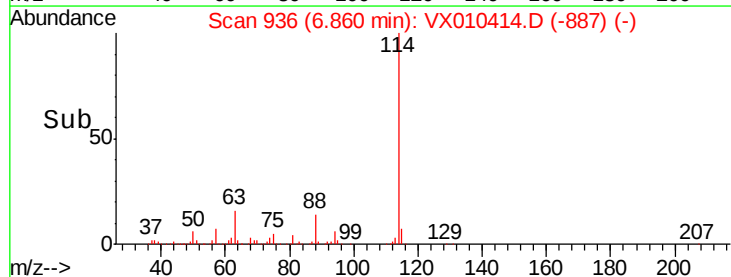
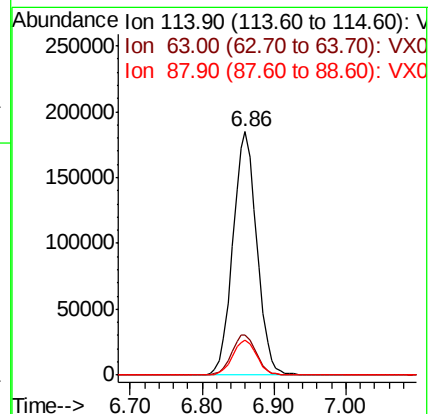
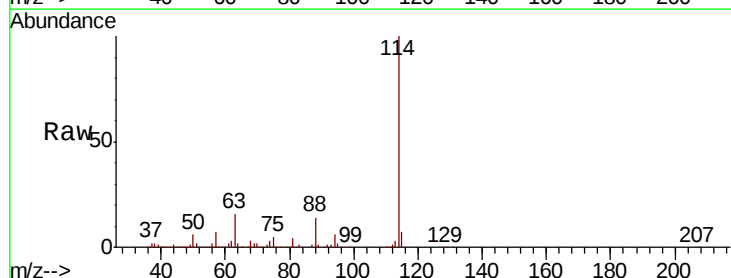
Tgt Ion: 114 Resp: 426925

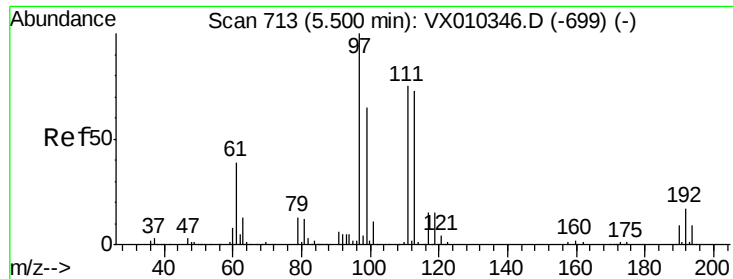
Ion Ratio Lower Upper

114 100

63 16.4 0.0 33.8

88 14.3 0.0 27.6

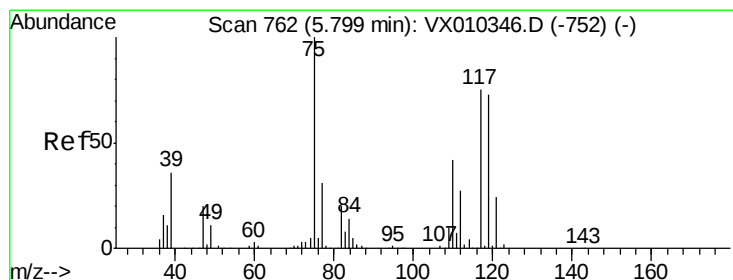
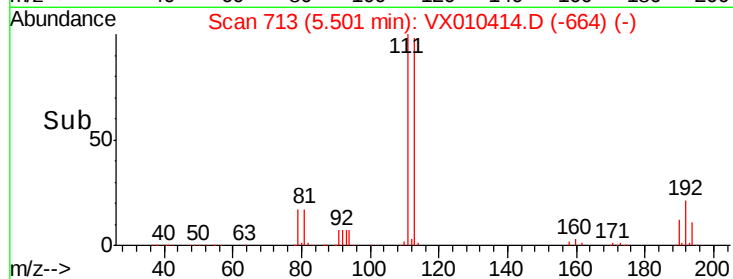
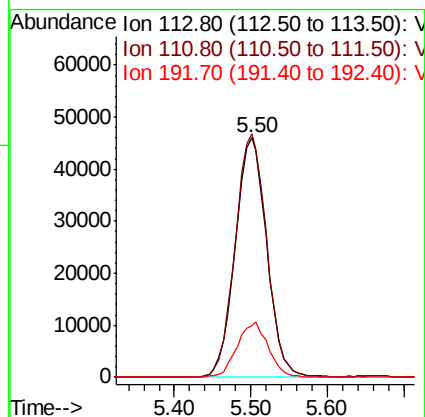
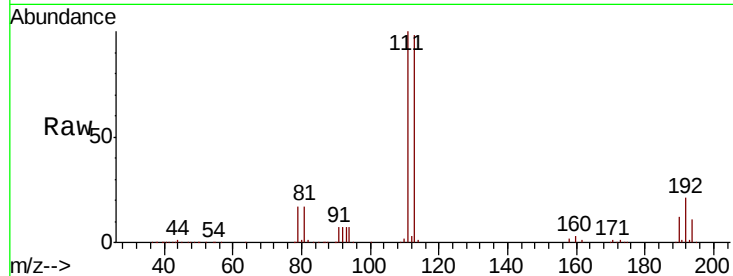




#35
Dibromofluoromethane
Concen: 50.376 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010414.D
Acq: 24 Jun 2019 16:14

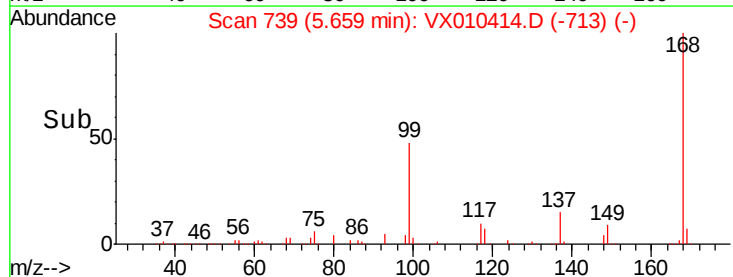
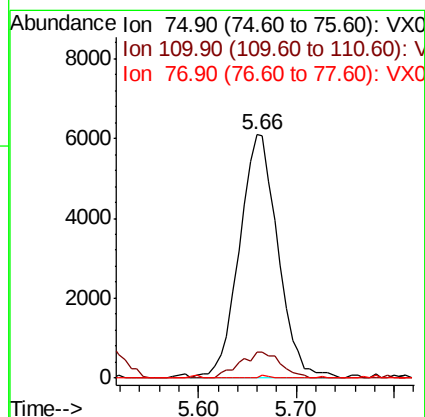
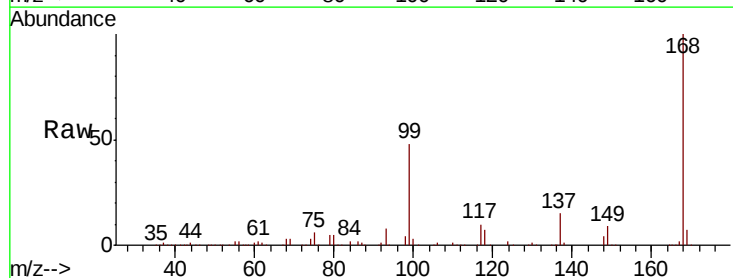
Instrument :
MSVOA_X
ClientSampleId :
BAT-B01

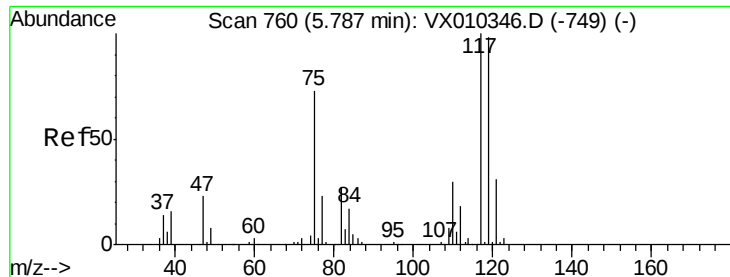
Tot Ion:113 Resp: 131586
Ion Ratio Lower Upper
113 100
111 101.7 81.2 121.8
192 22.9 18.6 27.8



#36
1,1-Dichloropropene
Concen: 4.904 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010414.D
Acq: 24 Jun 2019 16:14

Tgt Ion: 75 Resp: 16638
Ion Ratio Lower Upper
75 100
110 11.3 20.8 62.2#
77 0.3 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.464 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010414.D

Acq: 24 Jun 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

BAT-B01

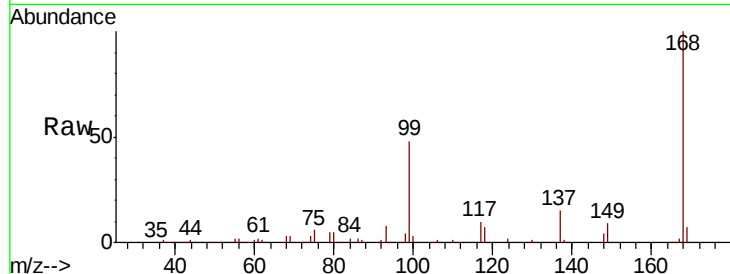
Tot Ion:117 Resp: 23747

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.4#

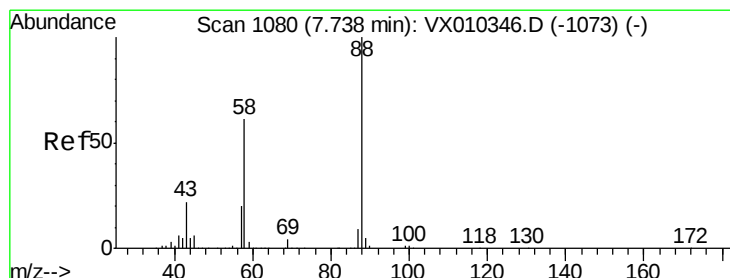
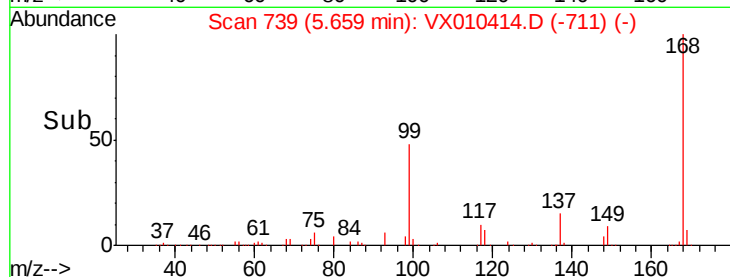
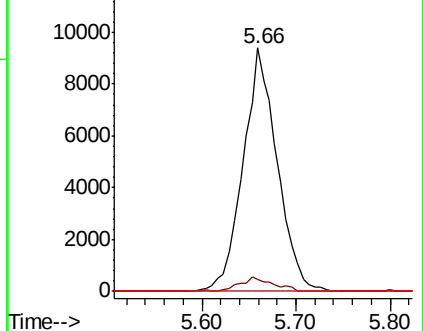
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.517 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX010414.D

Acq: 24 Jun 2019 16:14

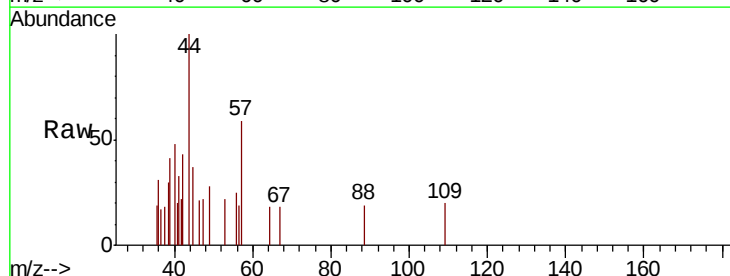
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 422.5 20.2 30.2#

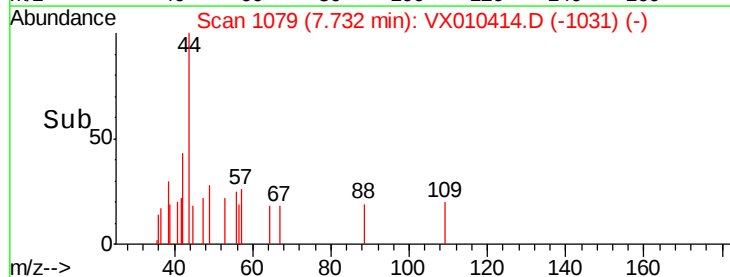
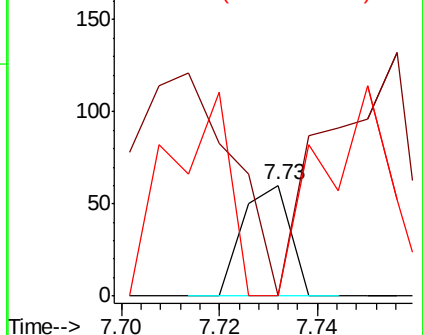
58 237.5 49.5 74.3#

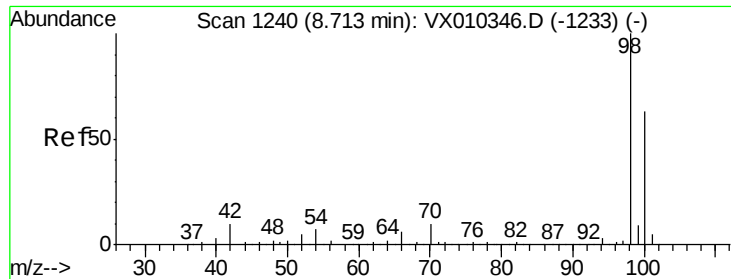


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.398 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010414.D

Acq: 24 Jun 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

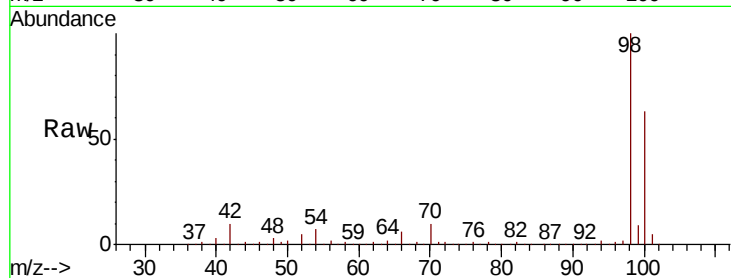
BAT-B01

Tot Ion: 98 Resp: 503646

Ion Ratio Lower Upper

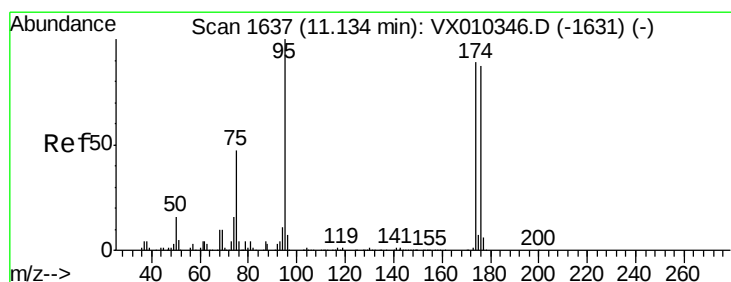
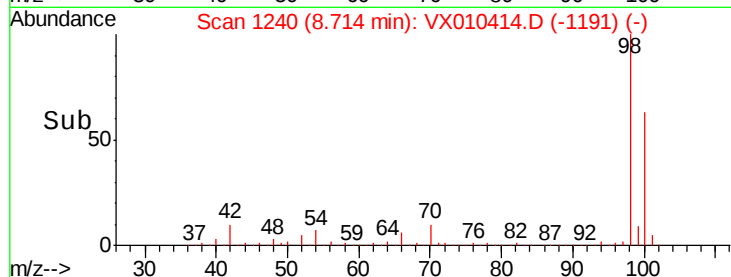
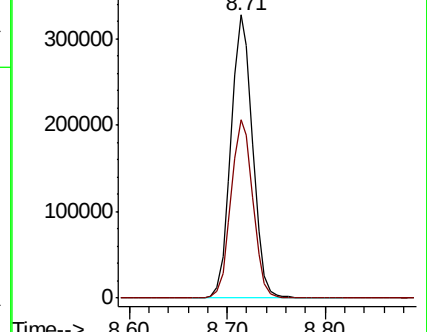
98 100

100 64.1 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: 47.082 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010414.D

Acq: 24 Jun 2019 16:14

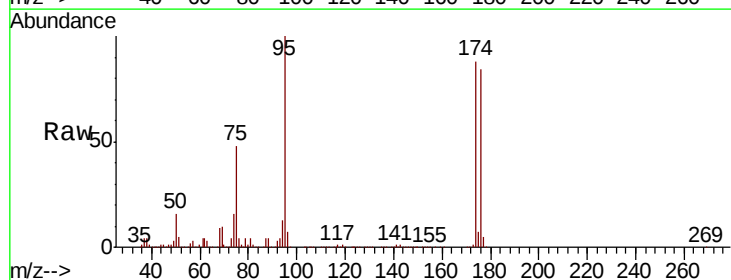
Tgt Ion: 95 Resp: 169867

Ion Ratio Lower Upper

95 100

174 93.3 0.0 187.6

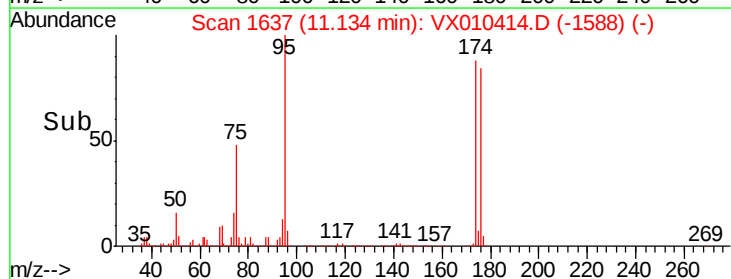
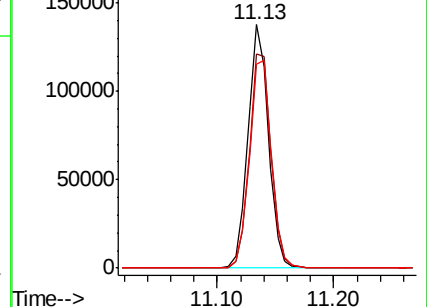
176 91.5 0.0 184.0

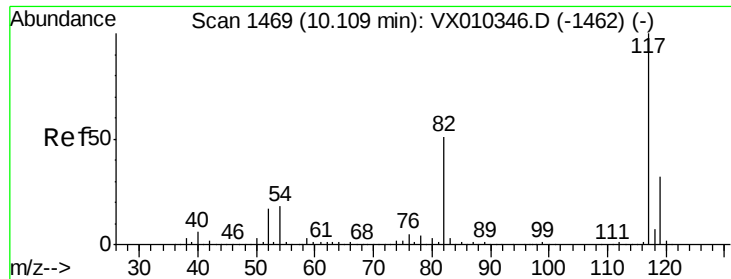


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

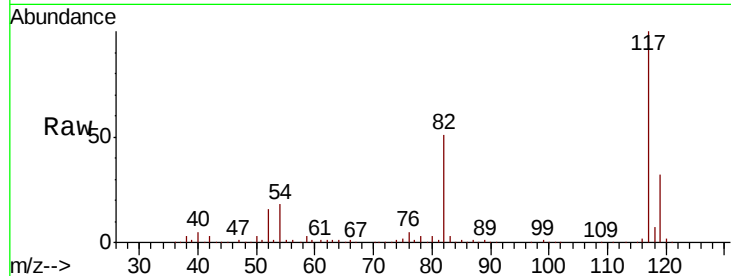




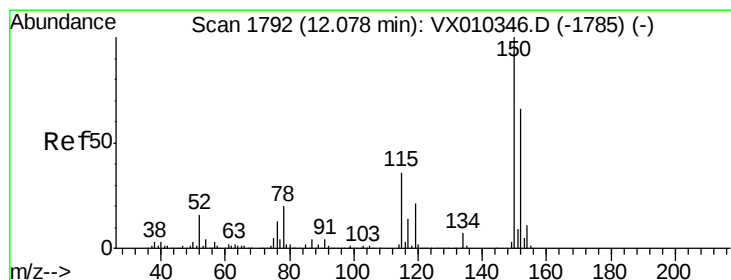
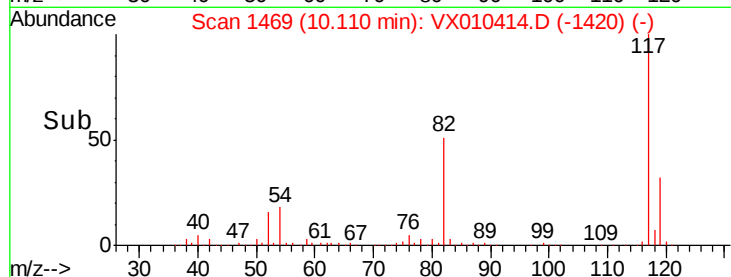
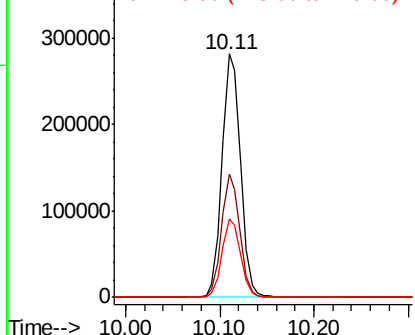
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010414.D
Acq: 24 Jun 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
BAT-B01

Tot Ion:117 Resp: 384512
Ion Ratio Lower Upper
117 100
82 50.7 41.2 61.8
119 32.3 25.5 38.3

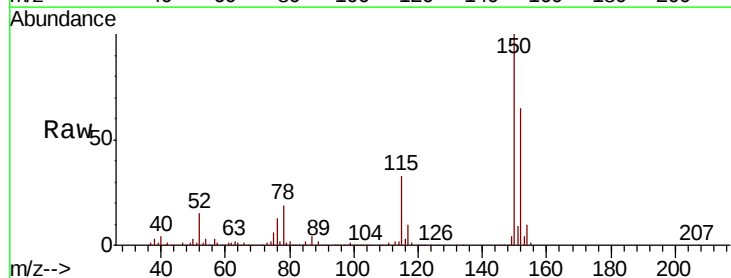


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

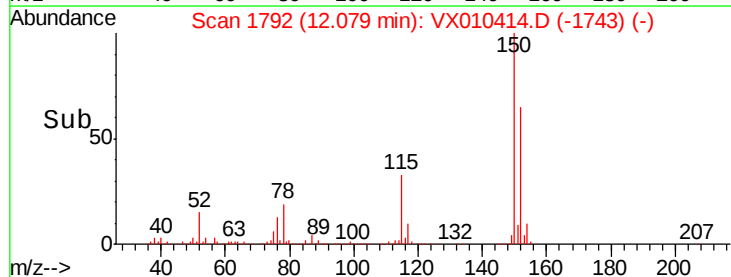
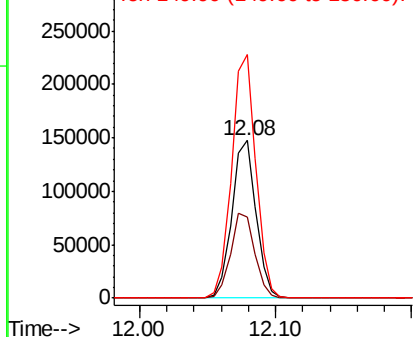


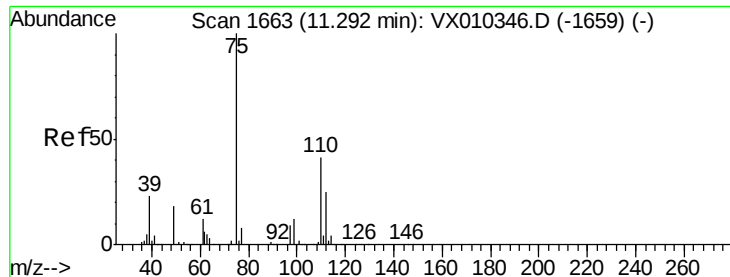
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010414.D
Acq: 24 Jun 2019 16:14

Tgt Ion:152 Resp: 182052
Ion Ratio Lower Upper
152 100
115 53.8 38.6 115.7
150 154.3 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

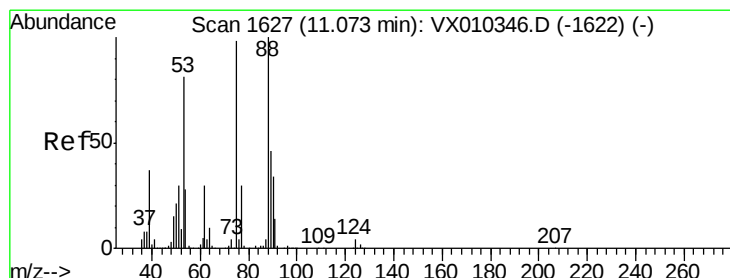
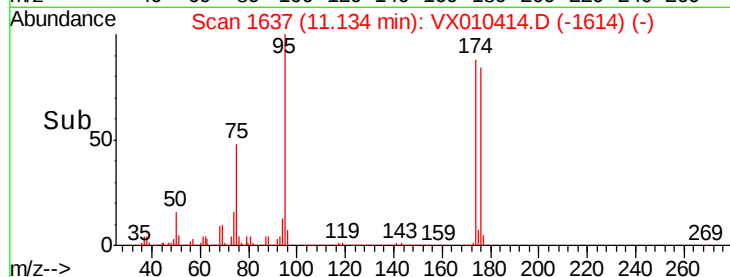
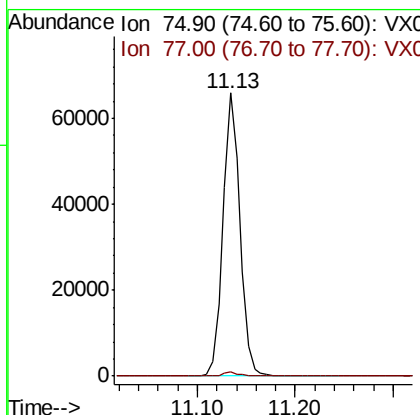
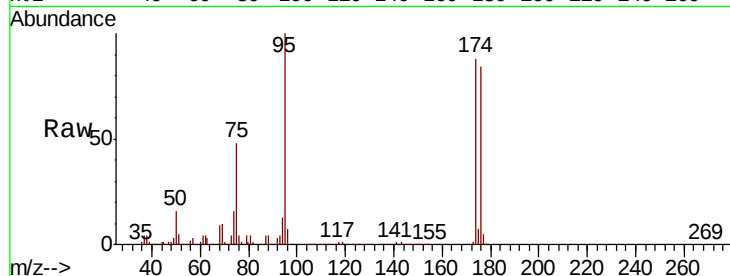




#76
 1,2,3-Trichloropropane
 Concen: 23.878 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010414.D
 Acq: 24 Jun 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B01

Tot Ion: 75 Resp: 79213
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.704 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010414.D
 Acq: 24 Jun 2019 16:14

Tgt Ion: 75 Resp: 79213
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.1 37.8 56.6#

