

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
 Data File : VX010421.D
 Acq On : 24 Jun 2019 18:58
 Operator : JC/SP
 Sample : K3155-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B04

Quant Time: Jun 25 03:40:30 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	279422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	424191	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	386009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178437	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	129782	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	5.50	113	129619	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	8.71	98	505658	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.13	95	167979	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

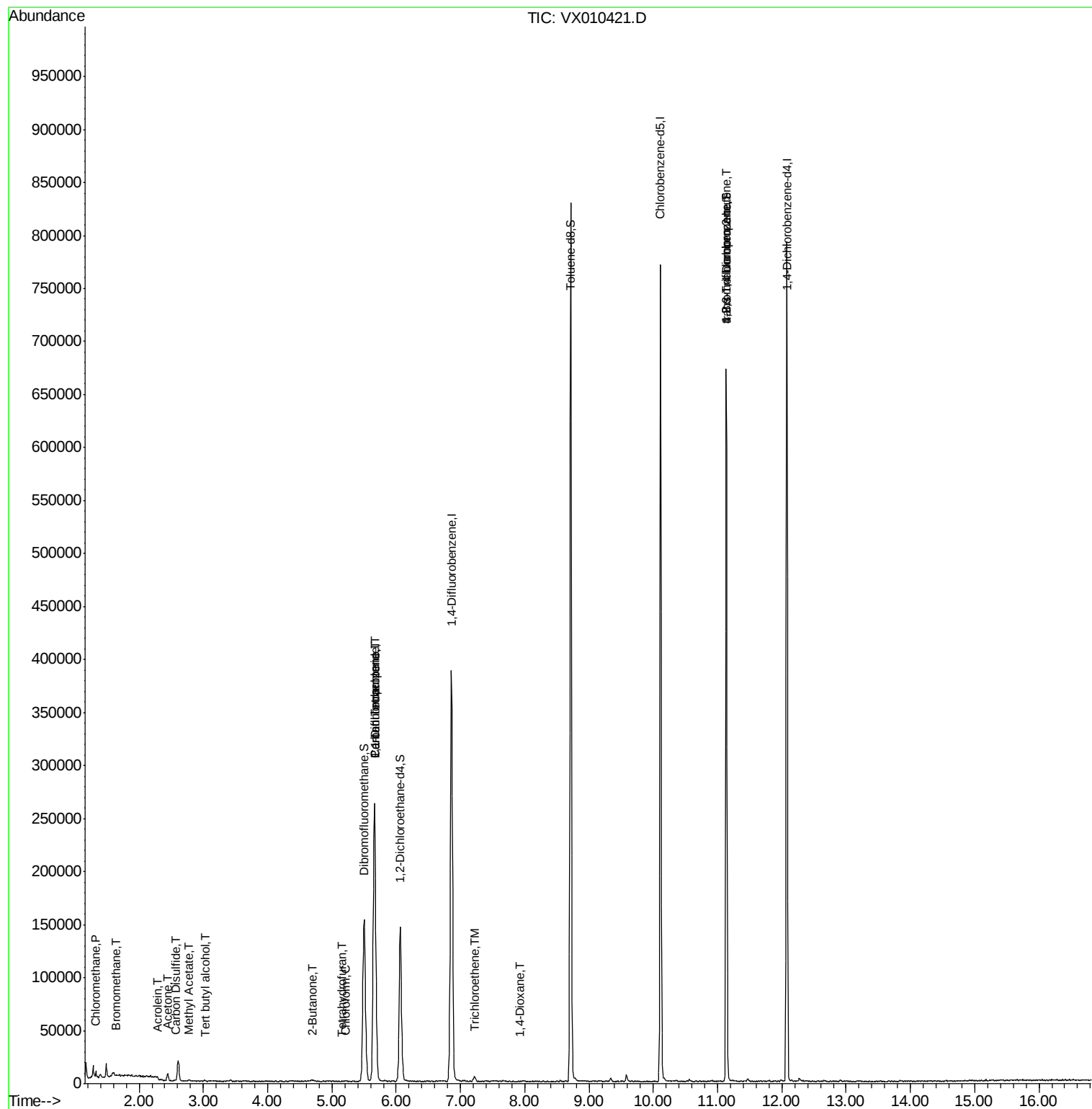
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	3416	1.510	ug/l	99
5) Bromomethane	1.65	94	433	0.359	ug/l #	59
11) Tert butyl alcohol	3.04	59	276	0.403	ug/l #	74
13) Acrolein	2.29	56	482	1.060	ug/l	91
16) Acetone	2.45	43	7089	5.399	ug/l	95
17) Carbon Disulfide	2.57	76	1323	0.204	ug/l #	79
18) Methyl Acetate	2.77	43	1510	0.577	ug/l #	82
25) 2-Butanone	4.68	43	772	0.401	ug/l	91
29) Tetrahydrofuran	5.16	42	242	0.203	ug/l #	28
30) Chloroform	5.21	83	1097	0.245	ug/l	86
36) 1,1-Dichloropropene	5.67	75	17090	5.070	ug/l #	47
38) Carbon Tetrachloride	5.66	117	24230	6.638	ug/l #	15
44) Trichloroethene	7.23	130	2014	0.641	ug/l	79
49) 1,4-Dioxane	7.92	88	25	0.325	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	78805	24.236	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78805	56.540	ug/l #	16

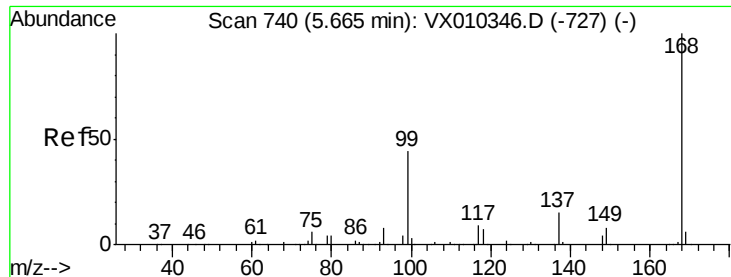
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010421.D

Acq: 24 Jun 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

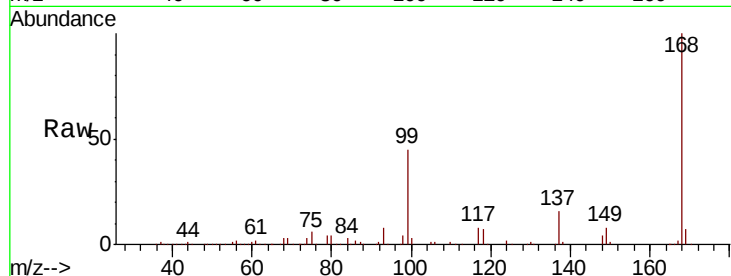
BAT-B04

Tot Ion:168 Resp: 279422

Ion Ratio Lower Upper

168 100

99 45.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

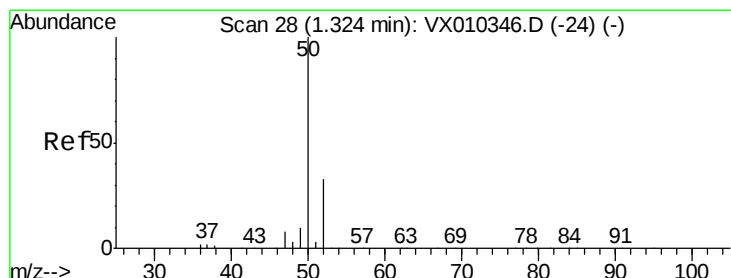
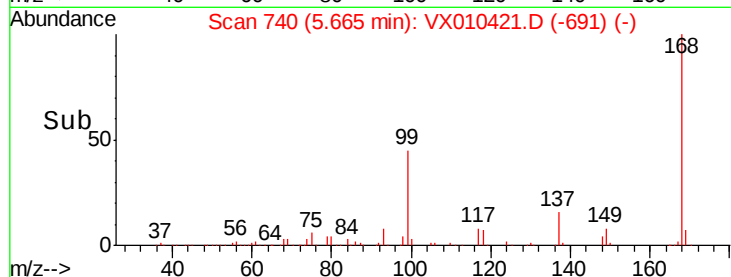
20000

0

5.67

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 1.510 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010421.D

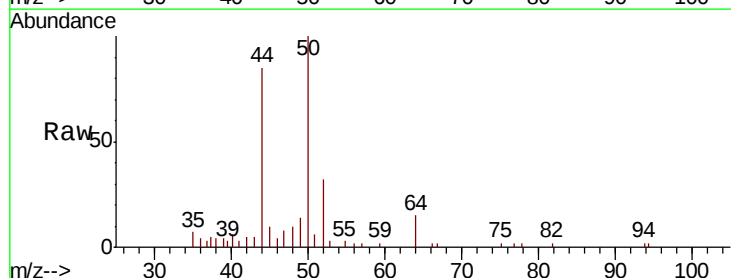
Acq: 24 Jun 2019 18:58

Tgt Ion: 50 Resp: 3416

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

4000

3000

2000

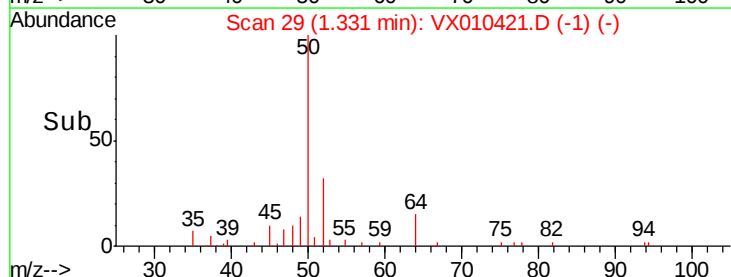
1000

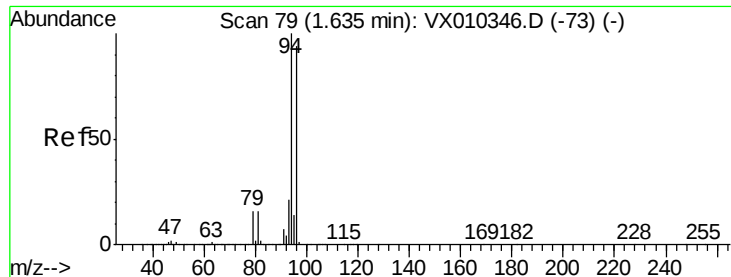
0

1.33

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.359 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010421.D

Acq: 24 Jun 2019 18:58

Instrument :

MSVOA_X

ClientSampled :

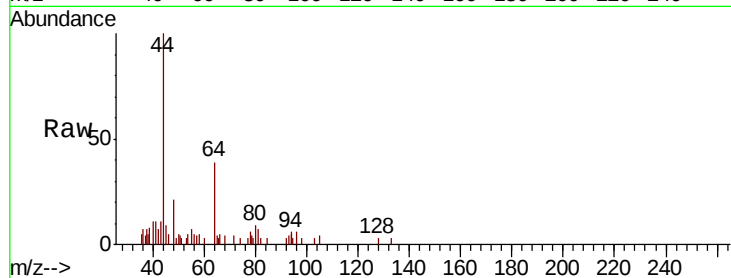
BAT-B04

Tot Ion: 94 Resp: 433

Ion Ratio Lower Upper

94 100

96 55.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

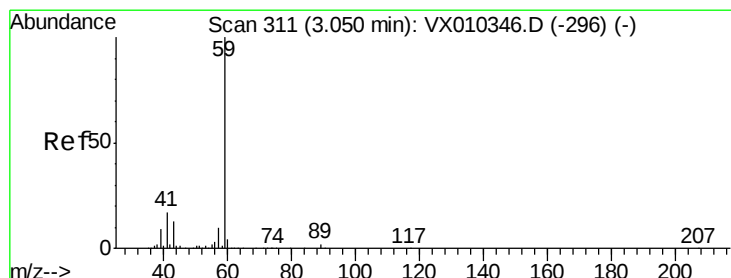
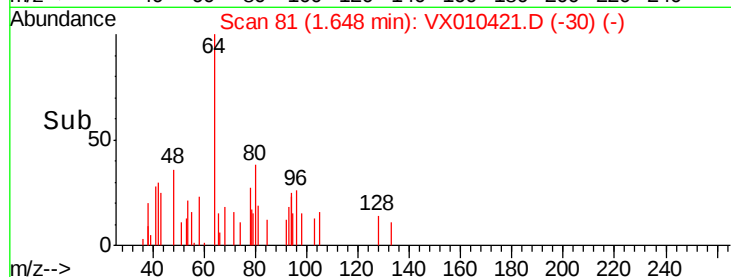
150

100

50

0

Time--> 1.60 1.65 1.70



#11

Tert butyl alcohol

Concen: 0.403 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010421.D

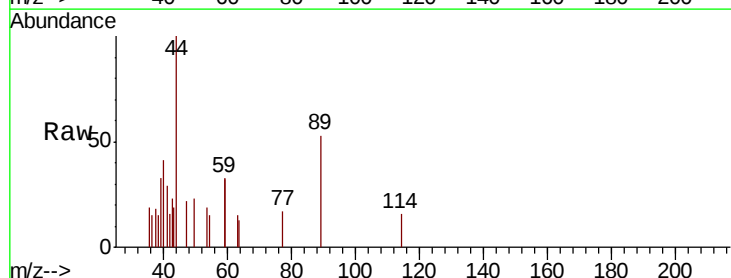
Acq: 24 Jun 2019 18:58

Tgt Ion: 59 Resp: 276

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

300

250

200

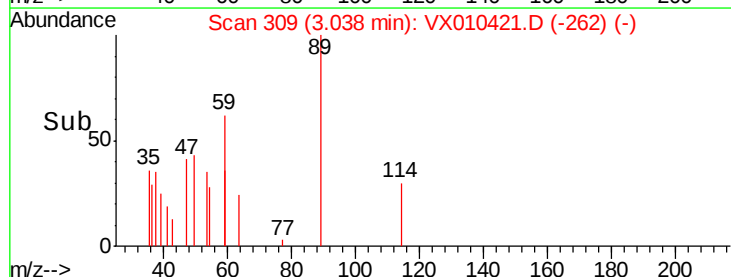
150

100

50

0

Time--> 3.00 3.02 3.04 3.06





#13

Acrolein

Concen: 1.060 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010421.D

Acq: 24 Jun 2019 18:58

Instrument :

MSVOA_X

ClientSampled :

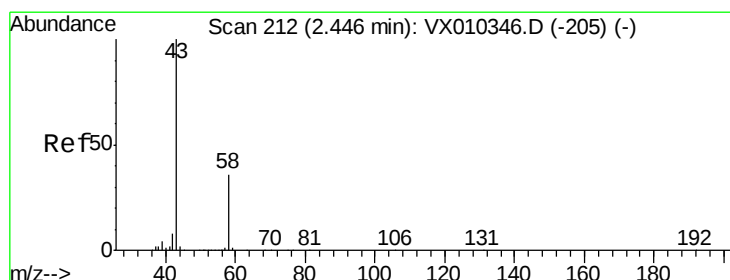
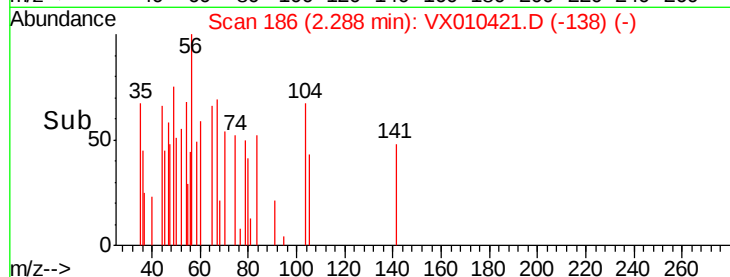
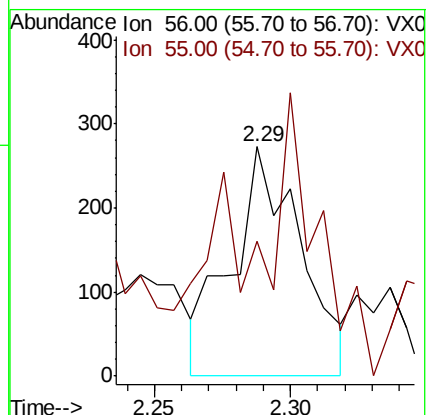
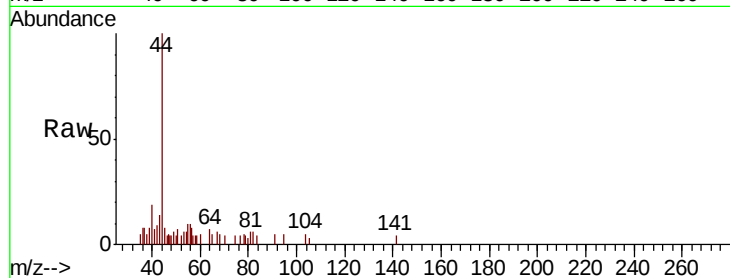
BAT-B04

Tot Ion: 56 Resp: 482

Ion Ratio Lower Upper

56 100

55 63.9 56.9 85.3



#16

Acetone

Concen: 5.399 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010421.D

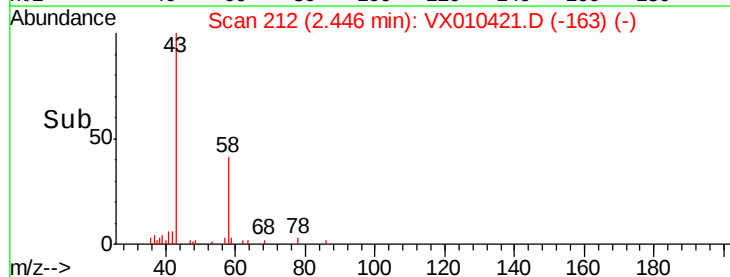
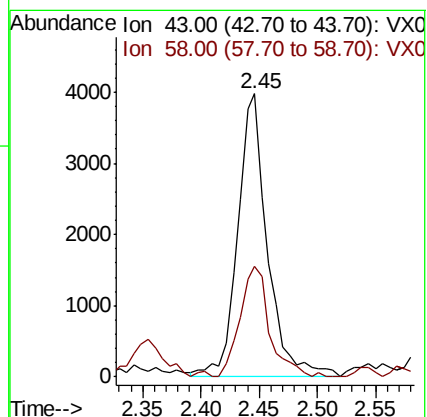
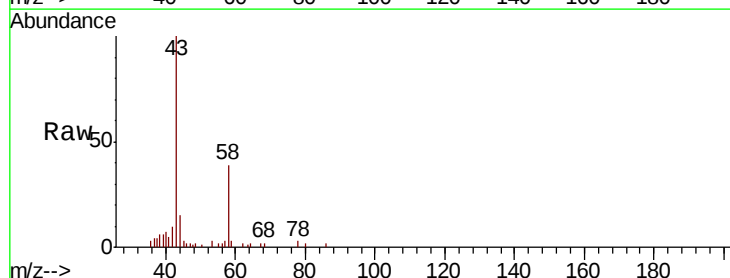
Acq: 24 Jun 2019 18:58

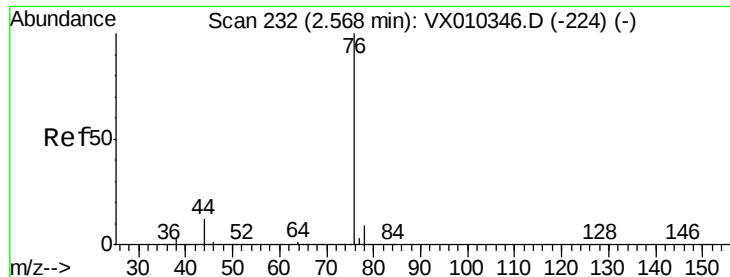
Tgt Ion: 43 Resp: 7089

Ion Ratio Lower Upper

43 100

58 39.2 28.9 43.3

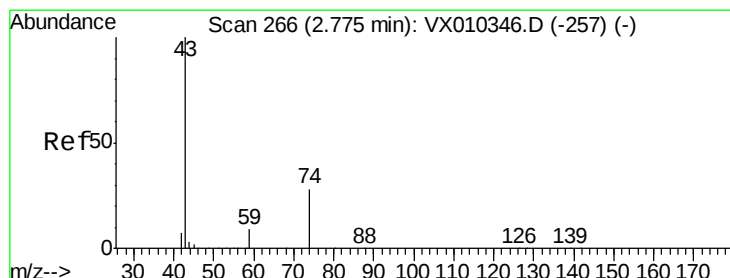
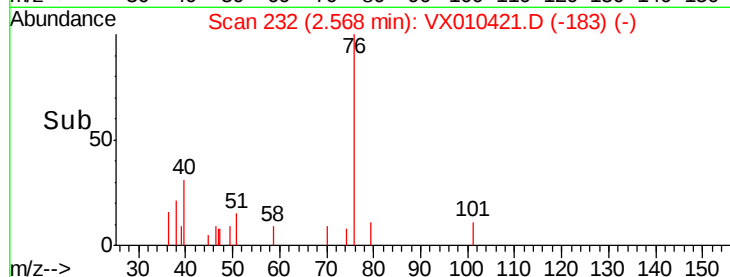
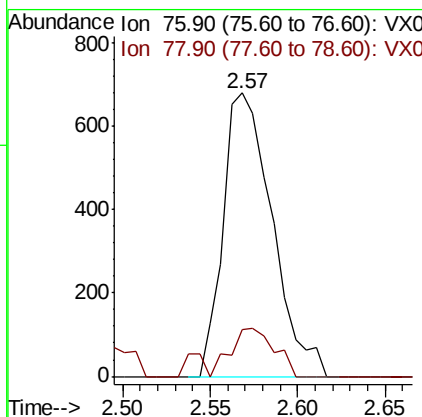
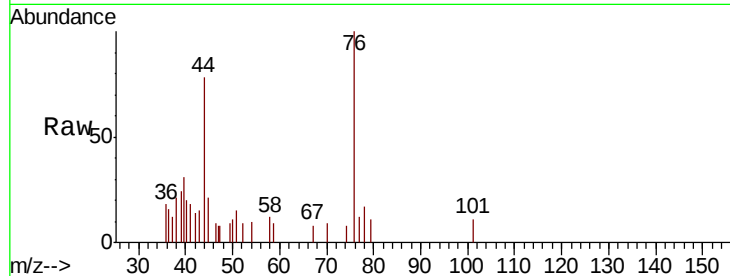




#17
Carbon Disulfide
Concen: 0.204 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010421.D
Acq: 24 Jun 2019 18:58

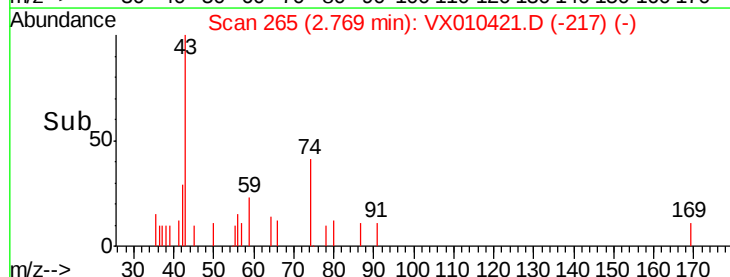
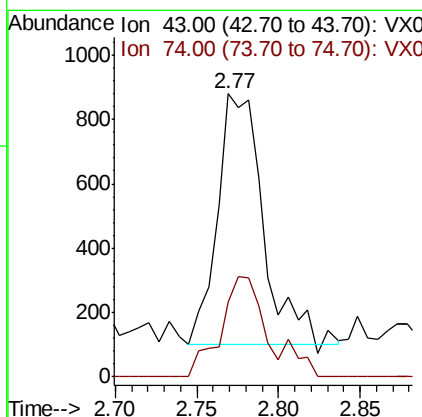
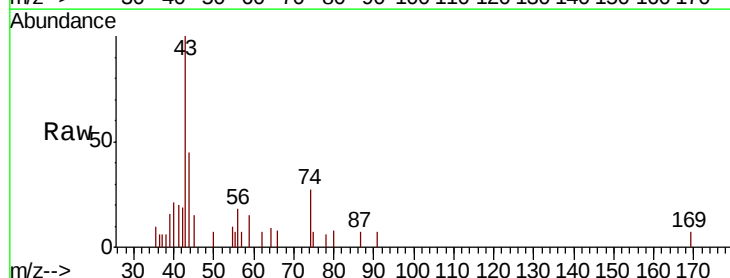
Instrument :
MSVOA_X
ClientSampleId :
BAT-B04

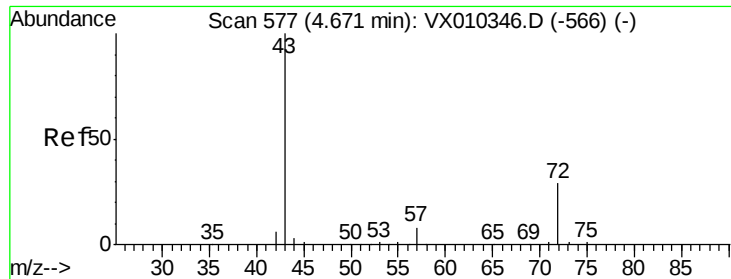
Tot Ion: 76 Resp: 1323
Ion Ratio Lower Upper
76 100
78 16.6 7.3 10.9#



#18
Methyl Acetate
Concen: 0.577 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010421.D
Acq: 24 Jun 2019 18:58

Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
74 36.1 21.3 31.9#





#25

2-Butanone

Concen: 0.401 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010421.D

Acq: 24 Jun 2019 18:58

Instrument :

MSVOA_X

ClientSampled :

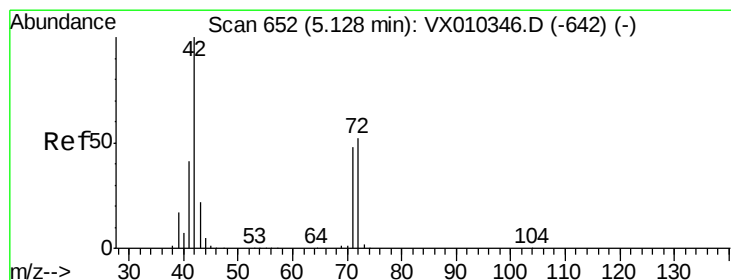
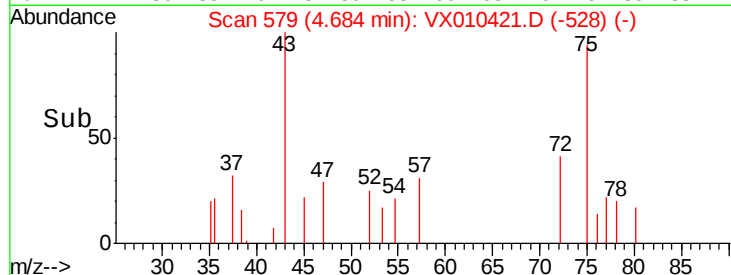
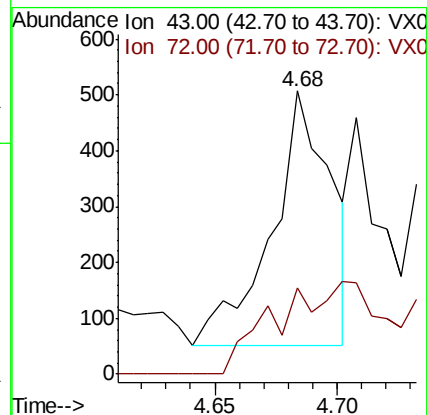
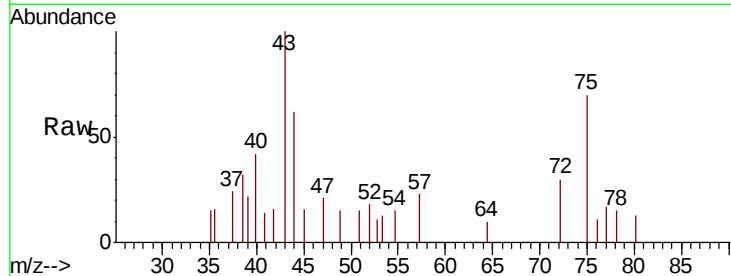
BAT-B04

Tot Ion: 43 Resp: 772

Ion Ratio Lower Upper

43 100

72 33.8 23.3 34.9



#29

Tetrahydrofuran

Concen: 0.203 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX010421.D

Acq: 24 Jun 2019 18:58

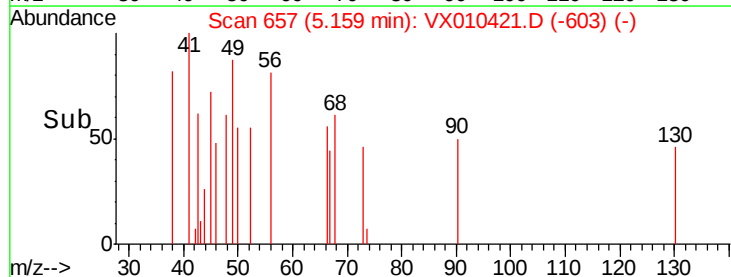
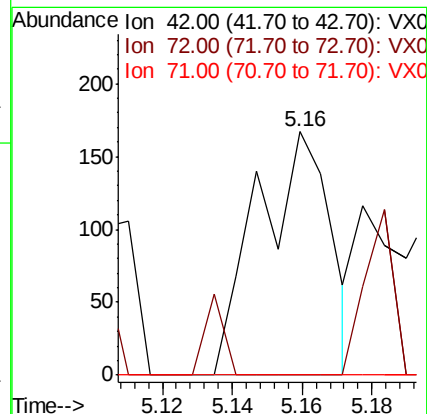
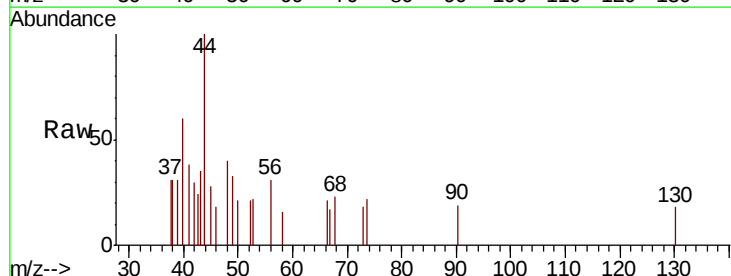
Tgt Ion: 42 Resp: 242

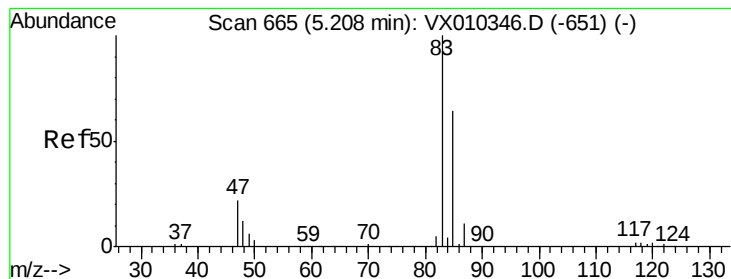
Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

71 0.0 37.8 56.8#





#30

Chloroform

Concen: 0.245 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX010421.D

Acq: 24 Jun 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

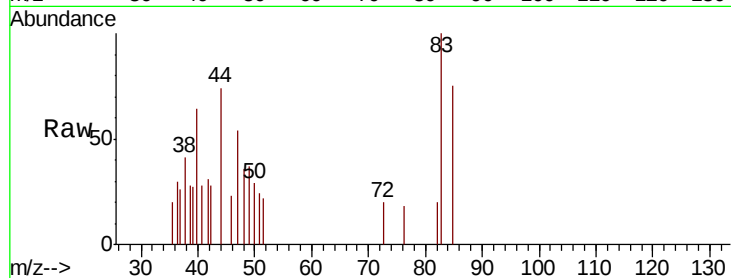
BAT-B04

Tot Ion: 83 Resp: 1097

Ion Ratio Lower Upper

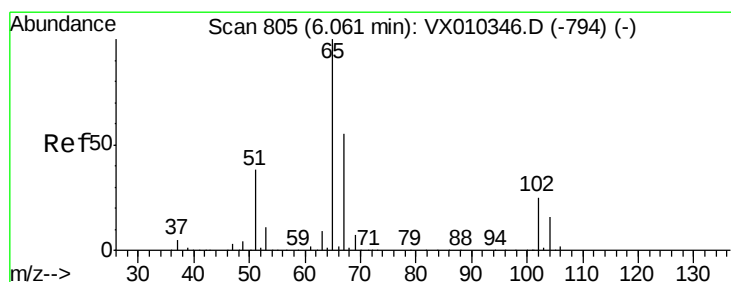
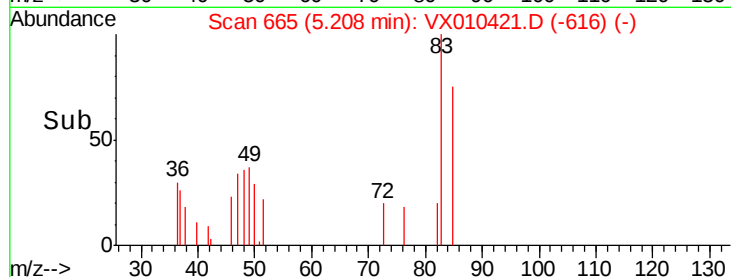
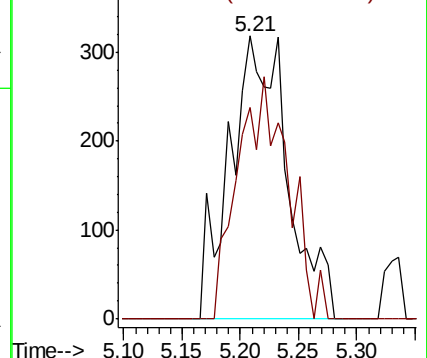
83 100

85 74.8 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.538 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010421.D

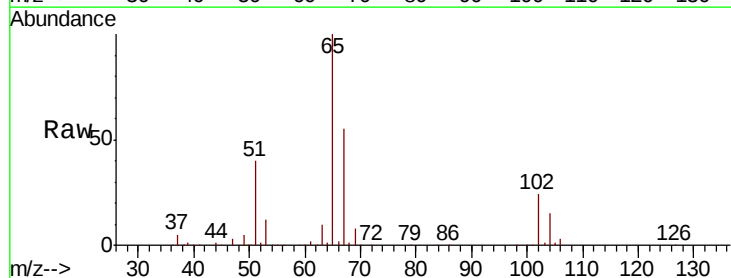
Acq: 24 Jun 2019 18:58

Tgt Ion: 65 Resp: 129782

Ion Ratio Lower Upper

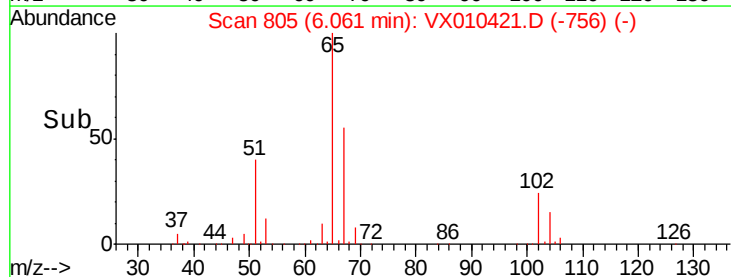
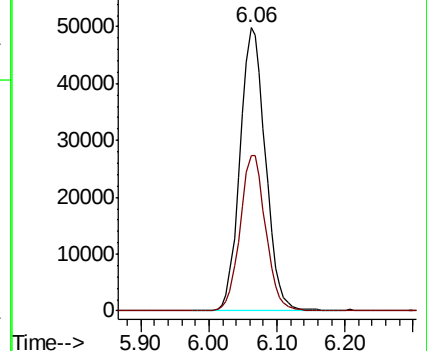
65 100

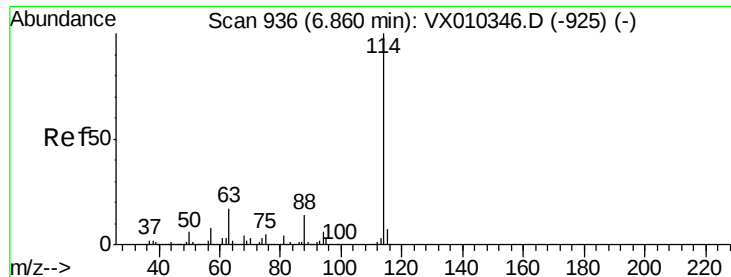
67 55.1 0.0 110.2



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: VX010421.D

Acq: 24 Jun 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

BAT-B04

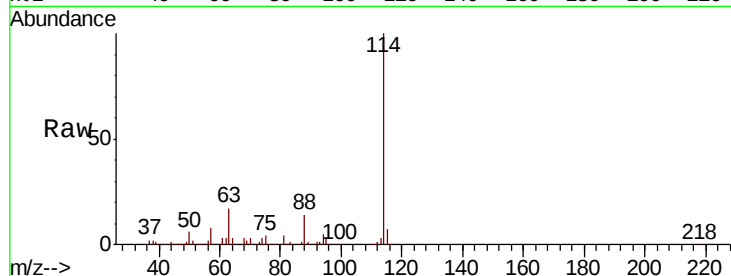
Tot Ion:114 Resp: 424191

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.8

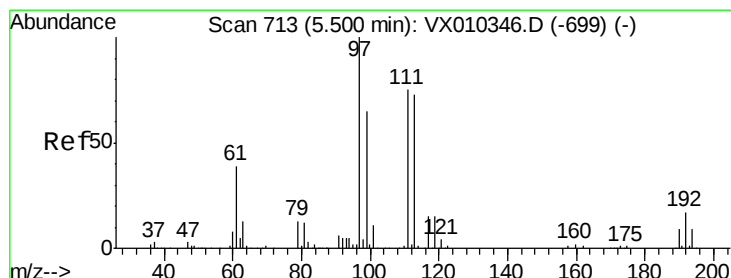
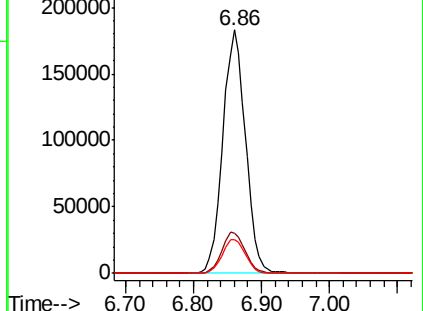
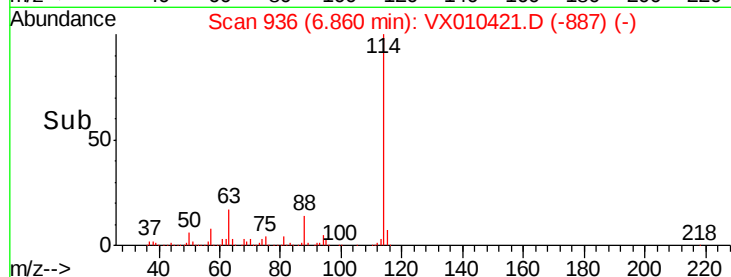
88 13.8 0.0 27.6



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: 49.943 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010421.D

Acq: 24 Jun 2019 18:58

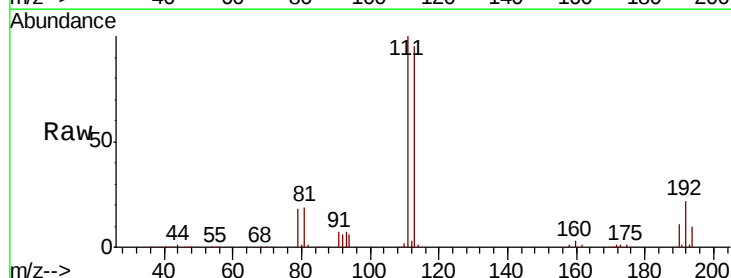
Tgt Ion:113 Resp: 129619

Ion Ratio Lower Upper

113 100

111 103.4 81.2 121.8

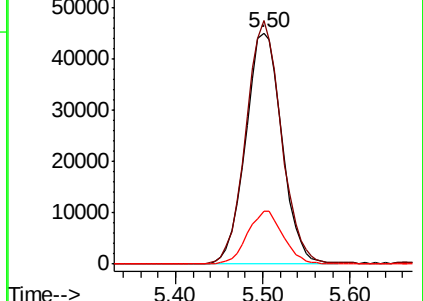
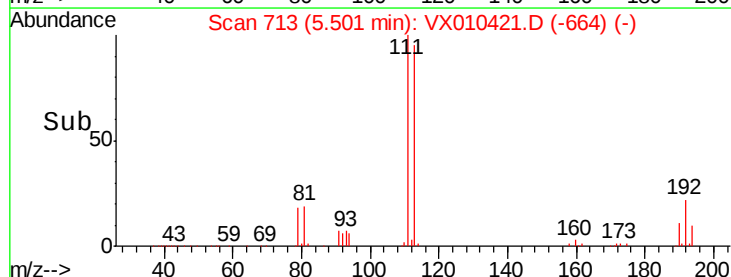
192 22.7 18.6 27.8

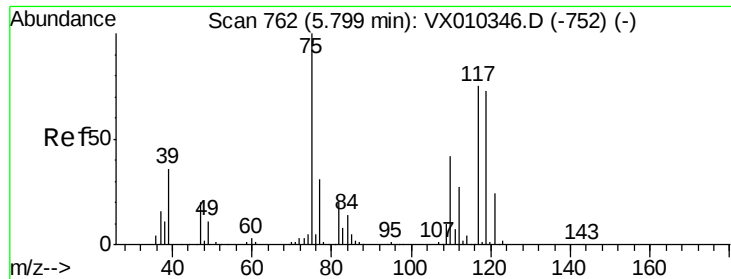


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

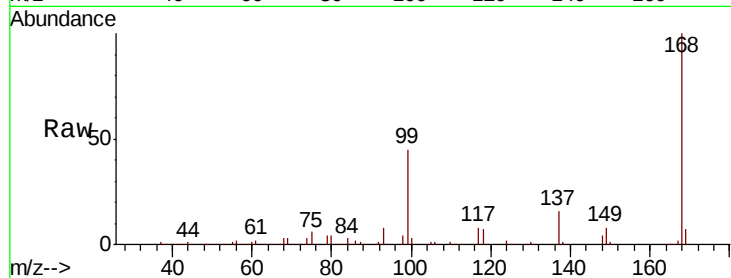




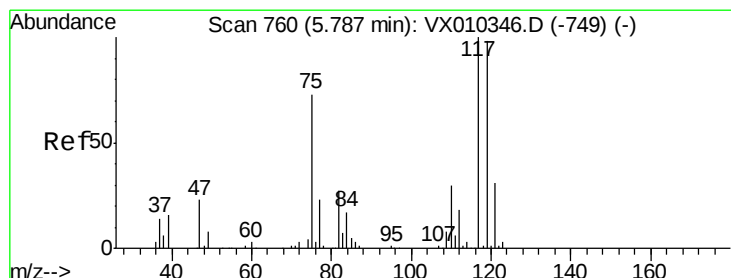
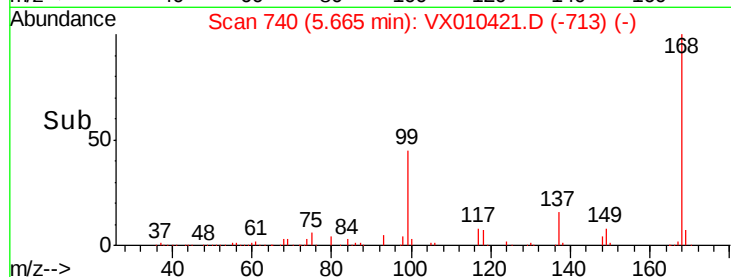
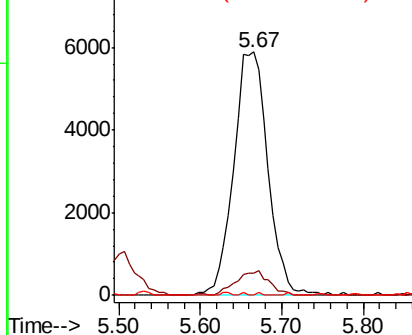
#36
 1,1-Dichloropropene
 Concen: 5.070 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010421.D
 Acq: 24 Jun 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B04

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	20.8	62.2#
77	0.1	25.4	38.0#

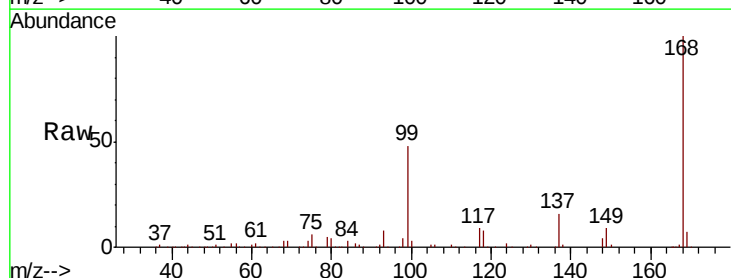


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

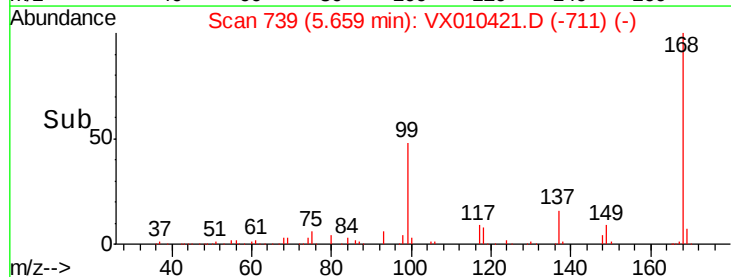
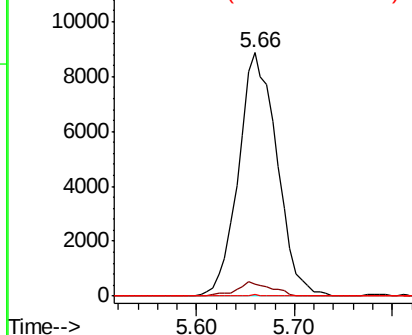


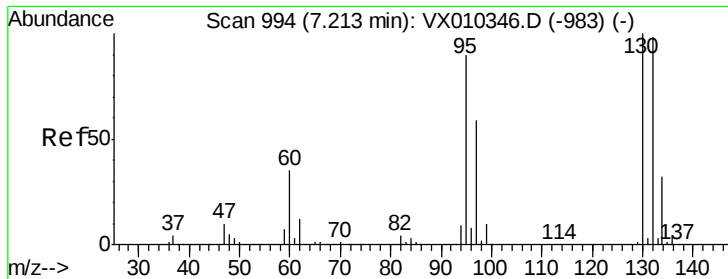
#38
 Carbon Tetrachloride
 Concen: 6.638 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010421.D
 Acq: 24 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.2	117.4#
121	0.9	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: 0.641 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX010421.D

Acq: 24 Jun 2019 18:58

Instrument :

MSVOA_X

ClientSampled :

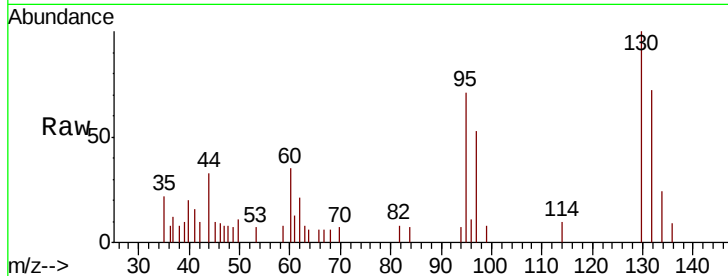
BAT-B04

Tot Ion:130 Resp: 2014

Ion Ratio Lower Upper

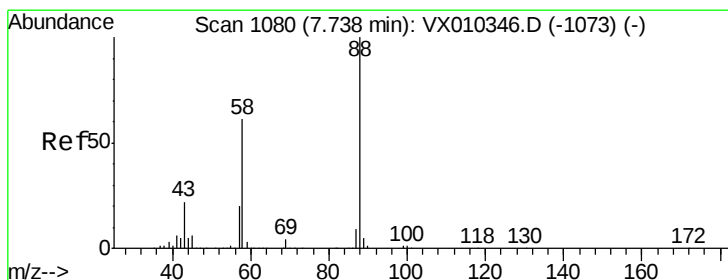
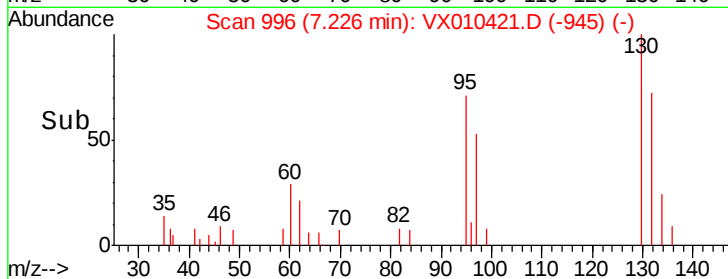
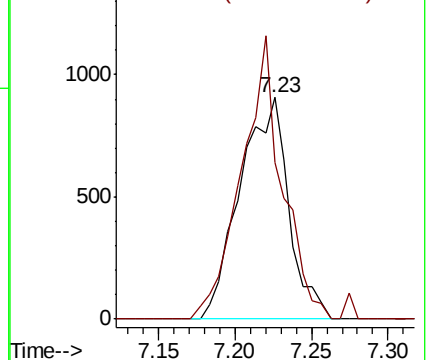
130 100

95 70.9 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.325 ug/l

RT: 7.92 min Scan# 1110

Delta R.T. 0.18 min

Lab File: VX010421.D

Acq: 24 Jun 2019 18:58

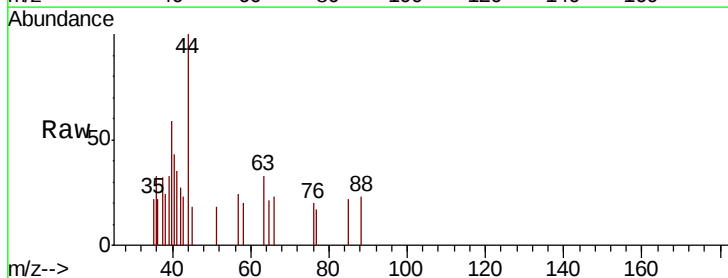
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 208.0 20.2 30.2#

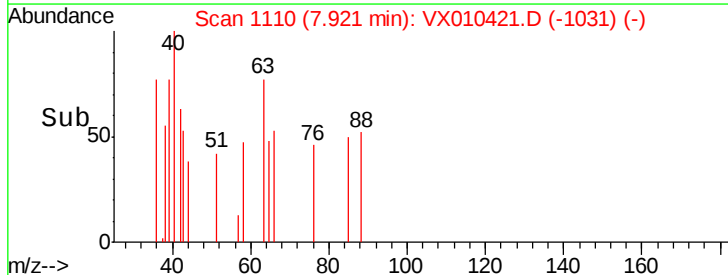
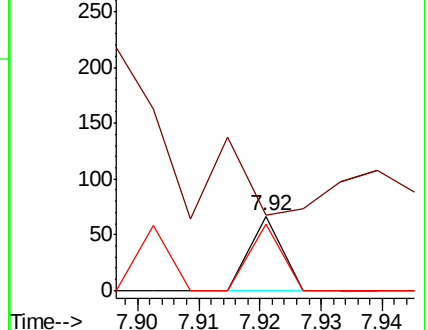
58 88.0 49.5 74.3#

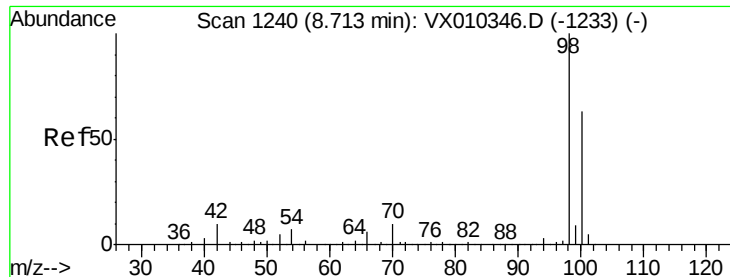


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.926 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010421.D

Acq: 24 Jun 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

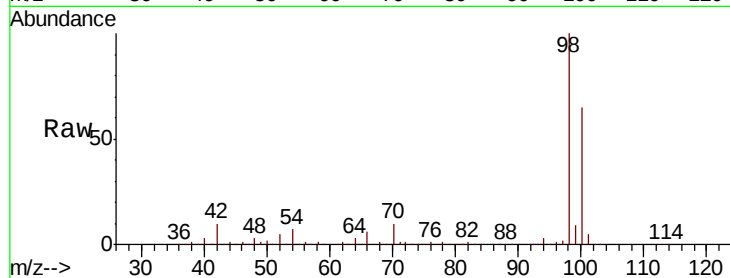
BAT-B04

Tot Ion: 98 Resp: 505658

Ion Ratio Lower Upper

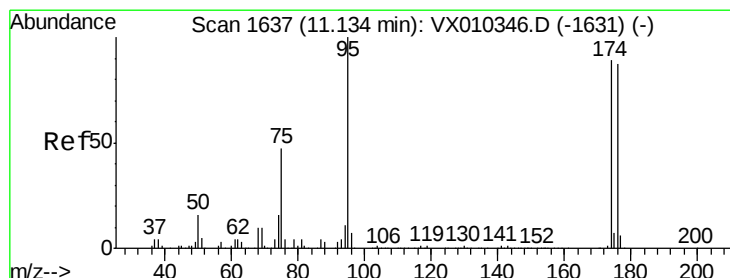
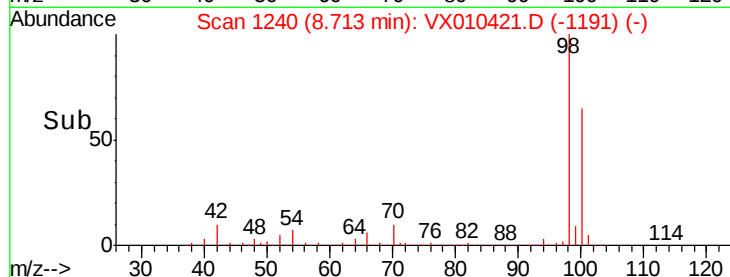
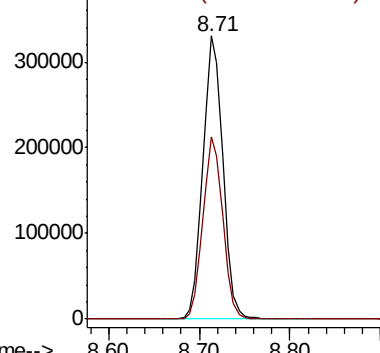
98 100

100 63.9 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: 46.859 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010421.D

Acq: 24 Jun 2019 18:58

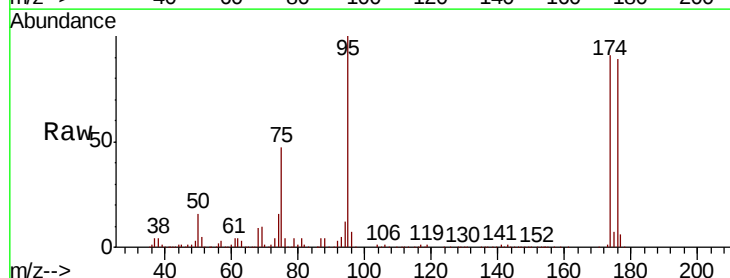
Tgt Ion: 95 Resp: 167979

Ion Ratio Lower Upper

95 100

174 96.2 0.0 187.6

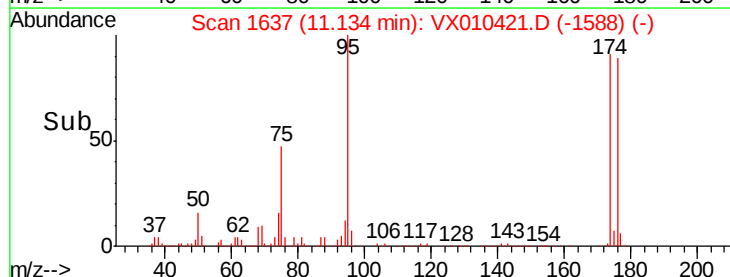
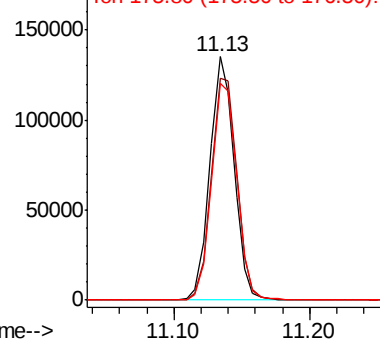
176 93.1 0.0 184.0

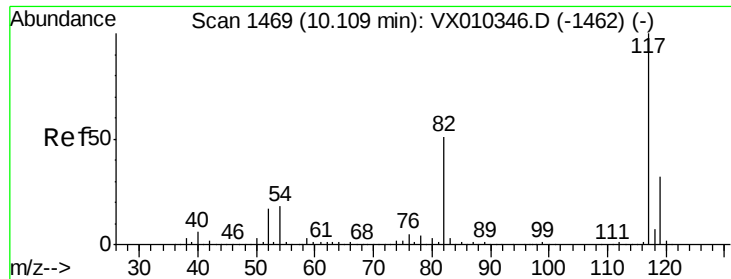


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

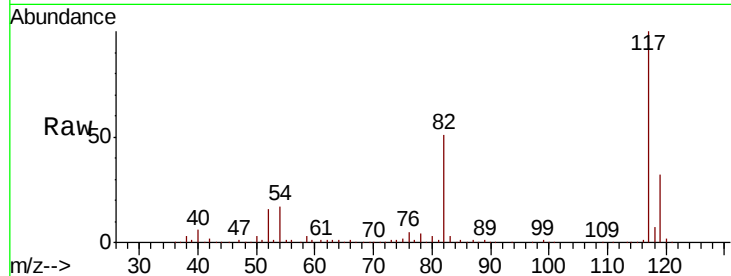




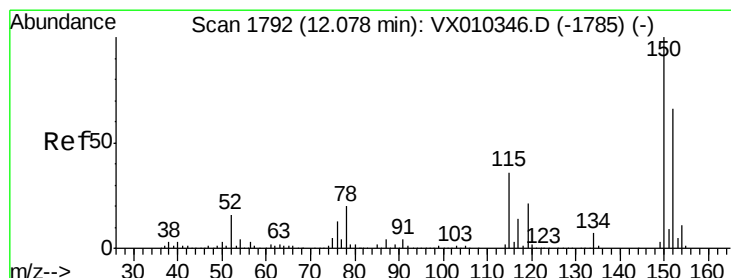
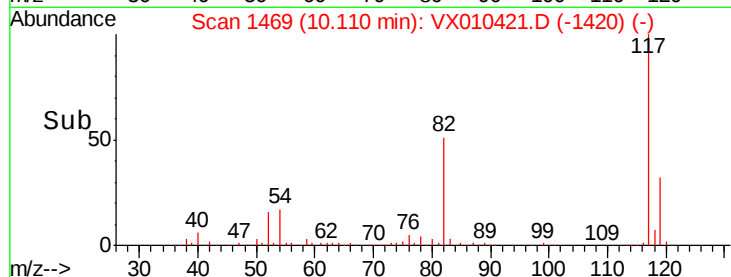
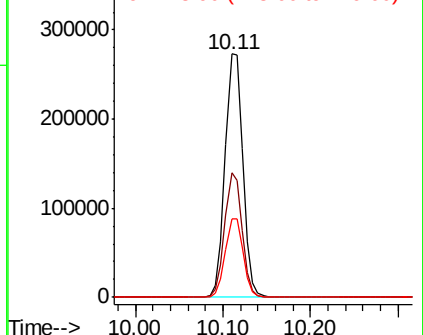
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010421.D
Acq: 24 Jun 2019 18:58

Instrument :
MSVOA_X
ClientSampled :
BAT-B04

Tot Ion:117 Resp: 386009
Ion Ratio Lower Upper
117 100
82 51.4 41.2 61.8
119 32.0 25.5 38.3

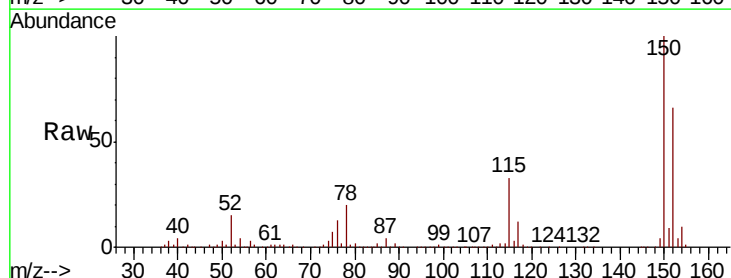


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

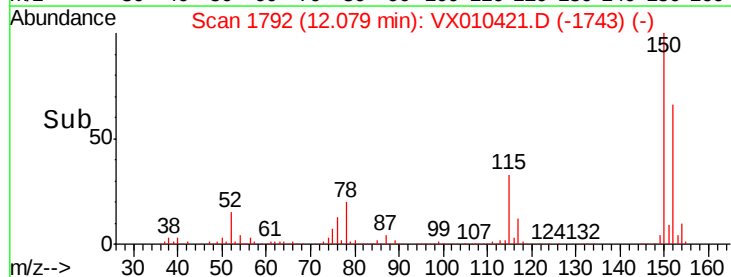
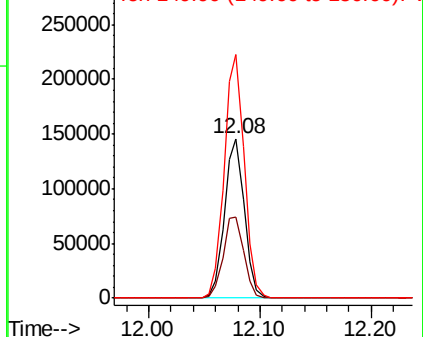


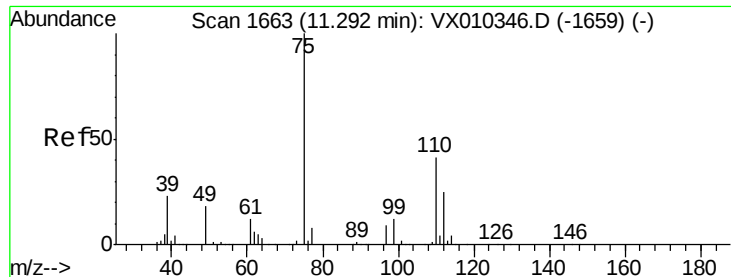
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010421.D
Acq: 24 Jun 2019 18:58

Tgt Ion:152 Resp: 178437
Ion Ratio Lower Upper
152 100
115 53.2 38.6 115.7
150 155.3 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

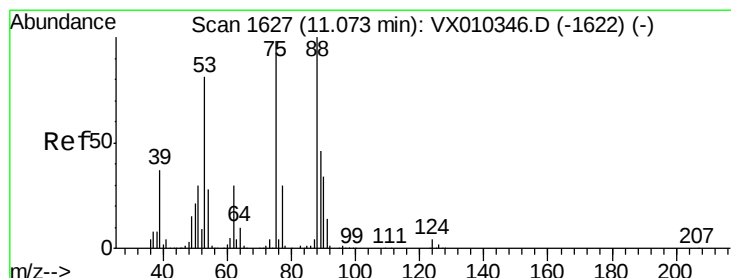
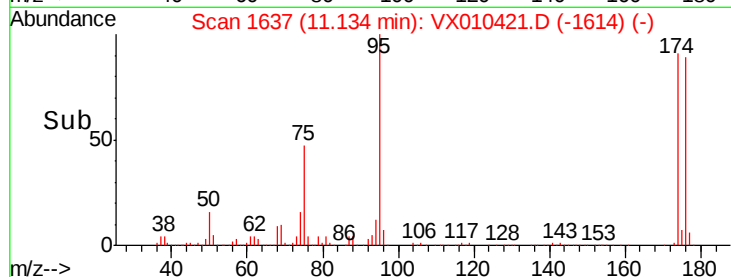
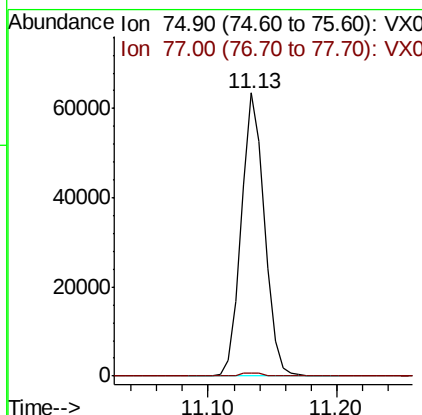
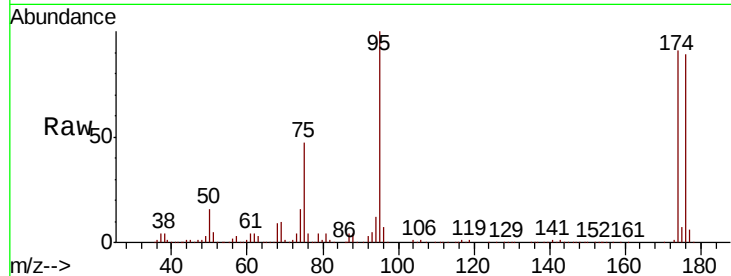




#76
 1,2,3-Trichloropropane
 Concen: 24.236 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010421.D
 Acq: 24 Jun 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B04

Tot Ion: 75 Resp: 78805
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.540 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010421.D
 Acq: 24 Jun 2019 18:58

Tgt Ion: 75 Resp: 78805
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.1 99.1#
 89 0.0 37.8 56.6#

