

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062419\
 Data File : VX010422.D
 Acq On : 24 Jun 2019 19:21
 Operator : JC/SP
 Sample : K3155-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B06

Quant Time: Jun 25 03:40:39 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	263464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	406018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	367641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172150	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	125120	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
35) Dibromofluoromethane	5.50	113	125068	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	8.71	98	475444	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.13	95	161666	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

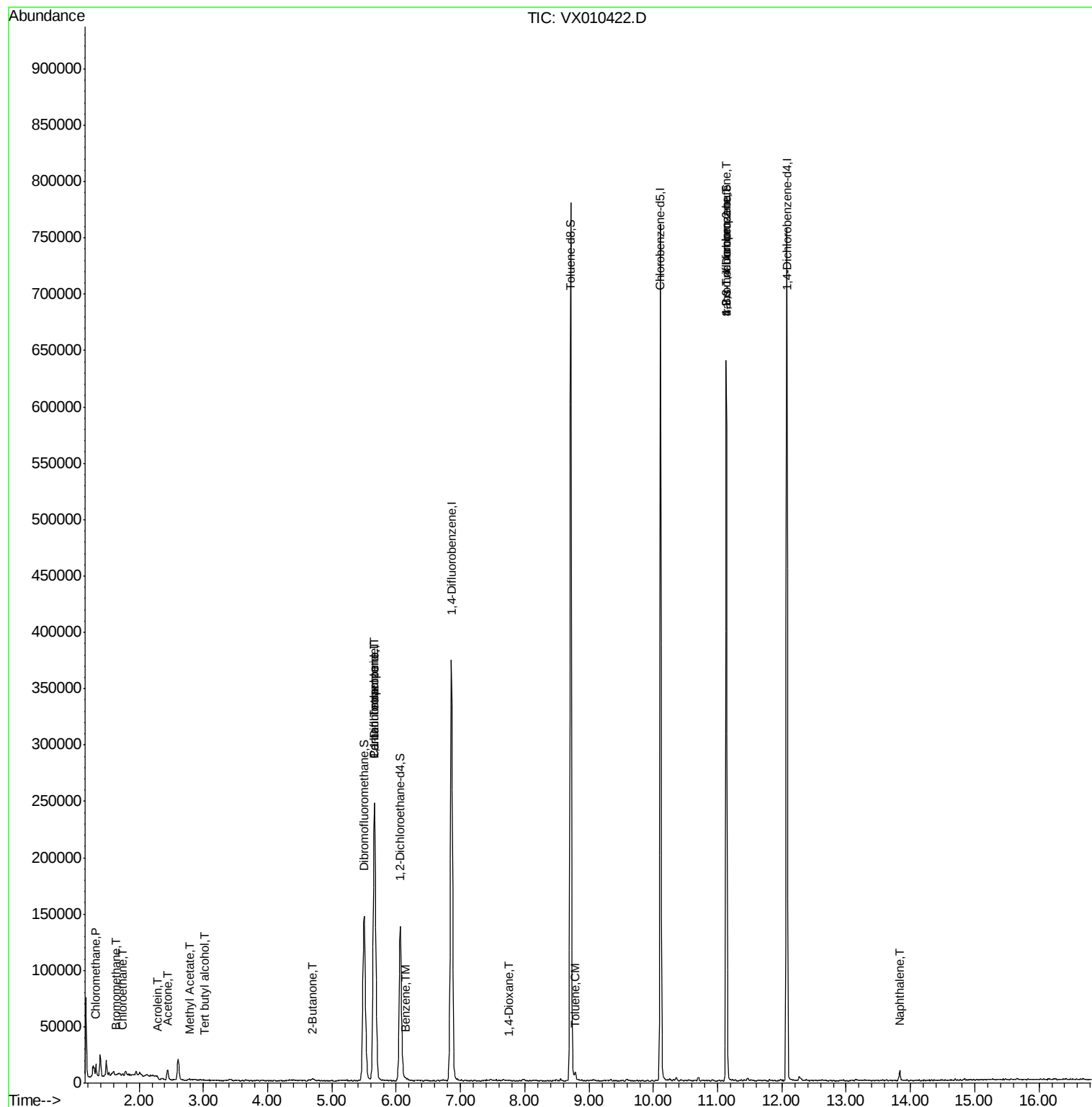
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	7098	3.328	ug/l	99
5) Bromomethane	1.64	94	507	0.445	ug/l	83
6) Chloroethane	1.74	64	413	0.300	ug/l	96
11) Tert butyl alcohol	3.03	59	377	0.583	ug/l #	94
13) Acrolein	2.29	56	110	0.257	ug/l #	14
16) Acetone	2.44	43	9727	7.857	ug/l	95
18) Methyl Acetate	2.78	43	1457	0.590	ug/l #	77
25) 2-Butanone	4.70	43	1855	1.021	ug/l #	81
36) 1,1-Dichloropropene	5.67	75	16114	4.994	ug/l #	47
38) Carbon Tetrachloride	5.67	117	23265	6.659	ug/l #	14
40) Benzene	6.14	78	2412	0.240	ug/l	97
49) 1,4-Dioxane	7.76	88	49	0.666	ug/l #	1
52) Toluene	8.78	92	2517	0.380	ug/l	79
76) 1,2,3-Trichloropropane	11.13	75	75821	24.170	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	75821	56.385	ug/l #	16
95) Naphthalene	13.83	128	4964	0.412	ug/l #	93

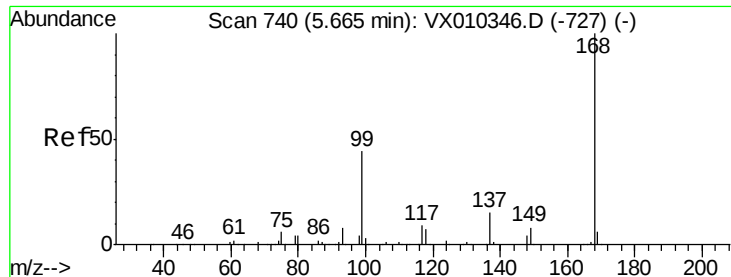
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062419\
Data File : VX010422.D
Acq On : 24 Jun 2019 19:21
Operator : JC/SP
Sample : K3155-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BAT-B06

Quant Time: Jun 25 03:40:39 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: VX010422.D

Acq: 24 Jun 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

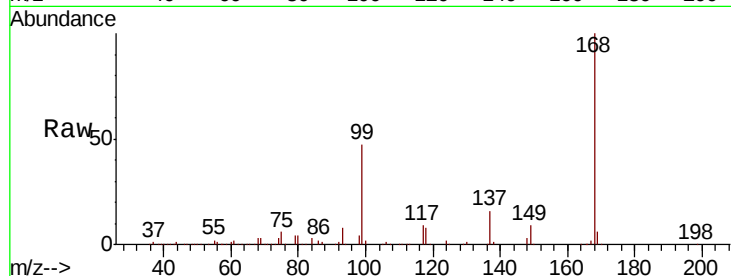
BAT-B06

Tot Ion:168 Resp: 263464

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

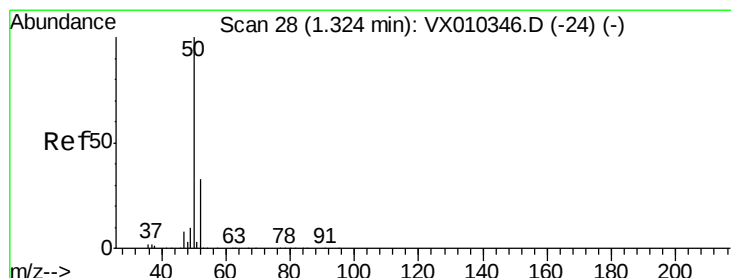
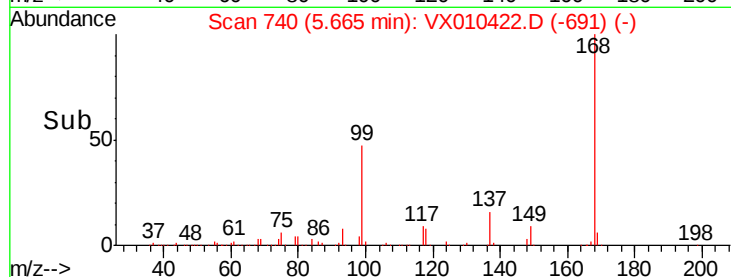
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 3.328 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010422.D

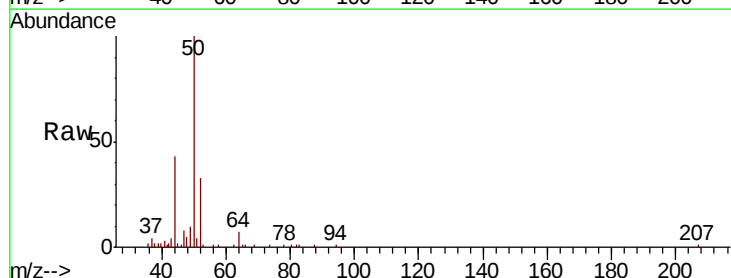
Acq: 24 Jun 2019 19:21

Tgt Ion: 50 Resp: 7098

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

1.33

8000

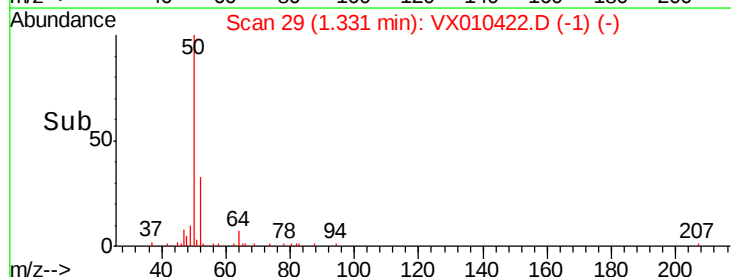
6000

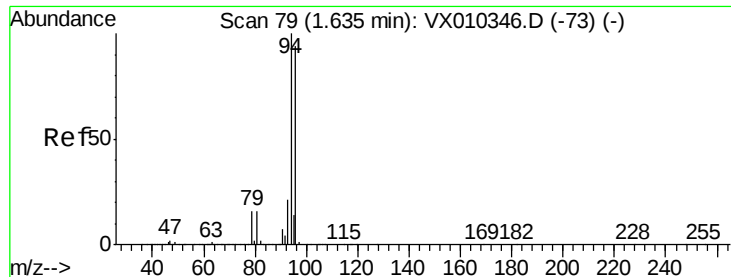
4000

2000

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.445 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010422.D

Acq: 24 Jun 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

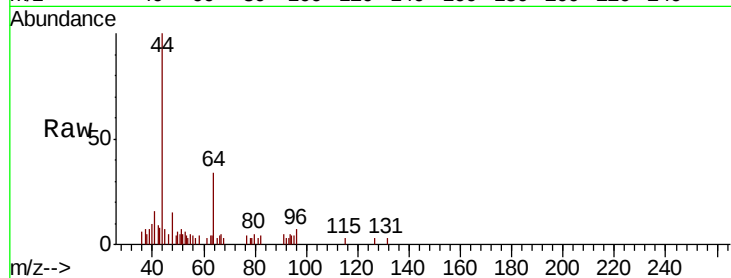
BAT-B06

Tot Ion: 94 Resp: 507

Ion Ratio Lower Upper

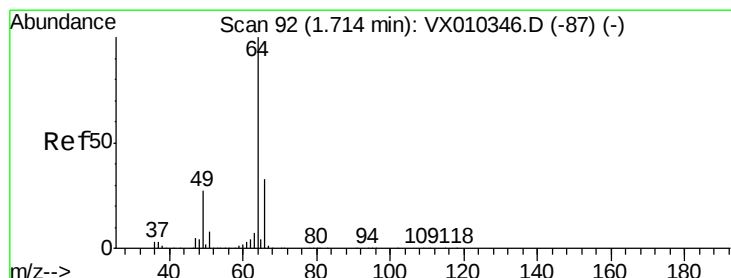
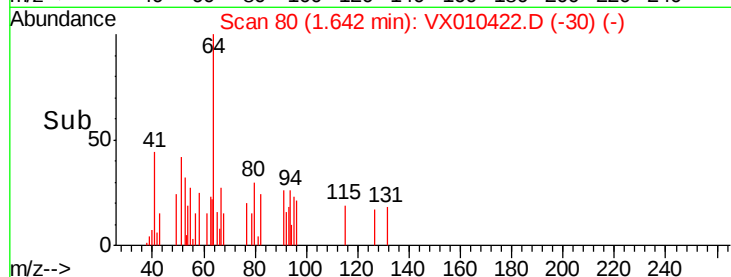
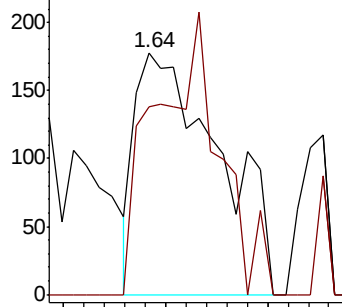
94 100

96 77.5 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: 0.300 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX010422.D

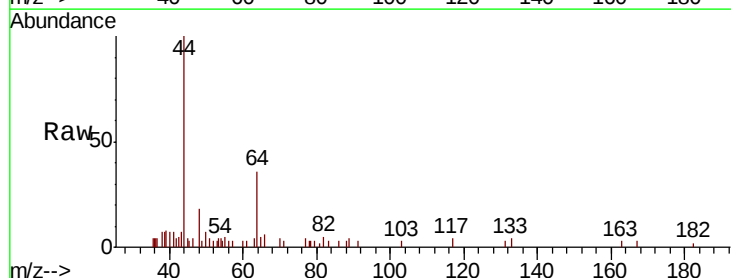
Acq: 24 Jun 2019 19:21

Tgt Ion: 64 Resp: 413

Ion Ratio Lower Upper

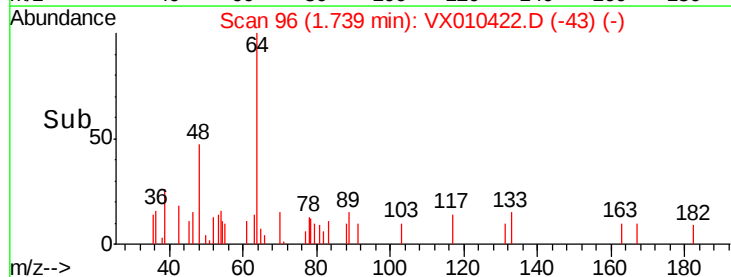
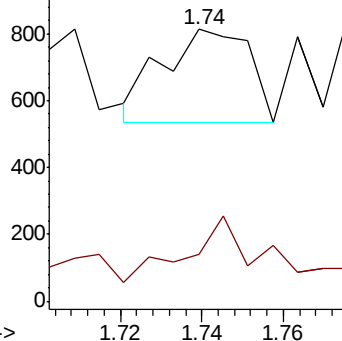
64 100

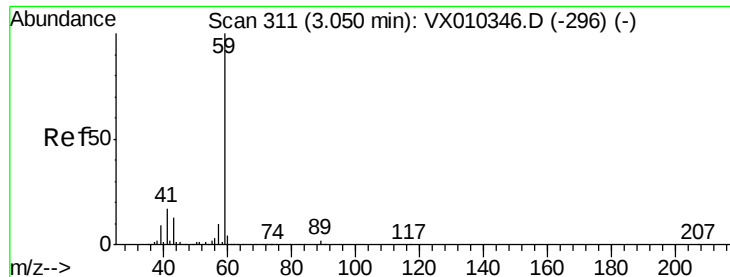
66 31.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



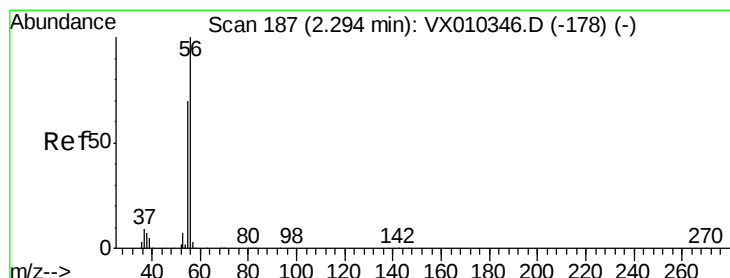
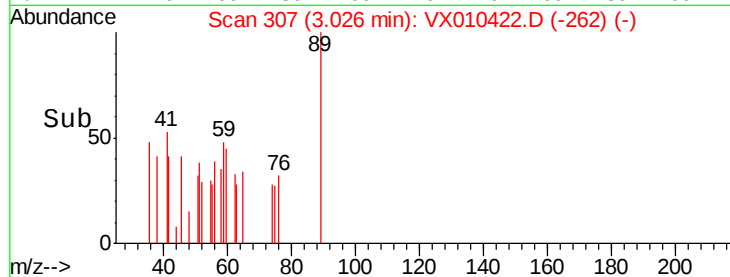
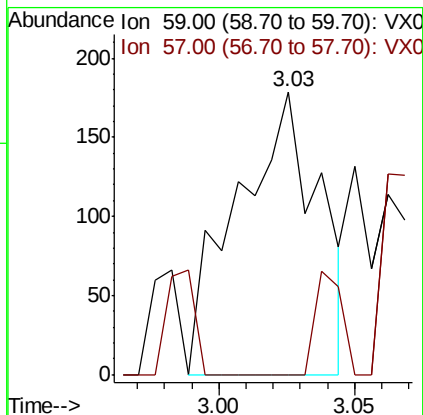
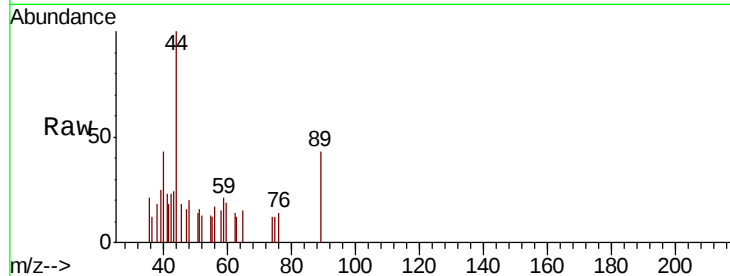


#11

Tert butyl alcohol
Concen: 0.583 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010422.D
Acq: 24 Jun 2019 19:21

Instrument :
MSVOA_X
ClientSampled :
BAT-B06

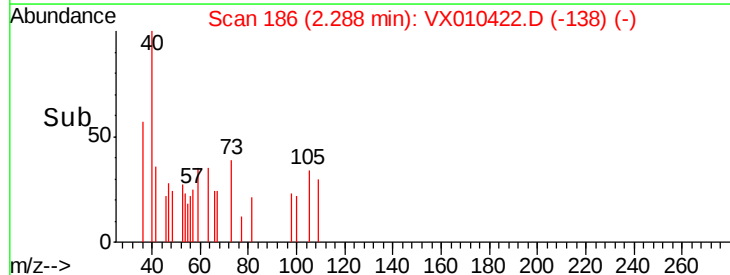
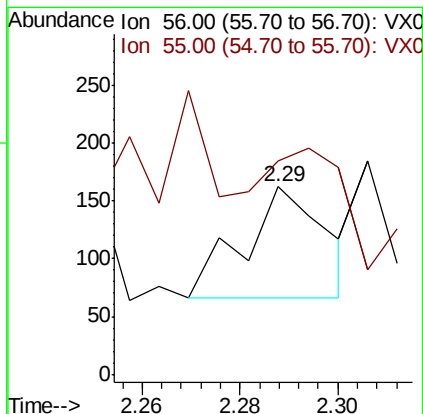
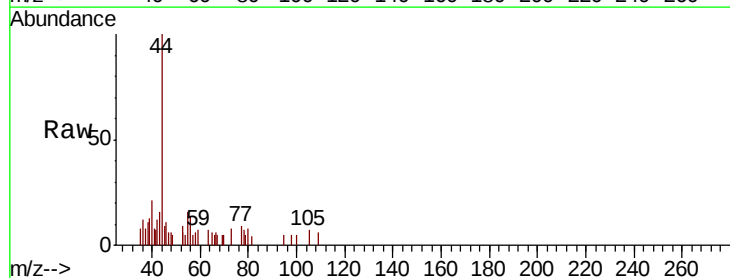
Tot Ion: 59 Resp: 377
Ion Ratio Lower Upper
59 100
57 11.7 7.7 11.5#

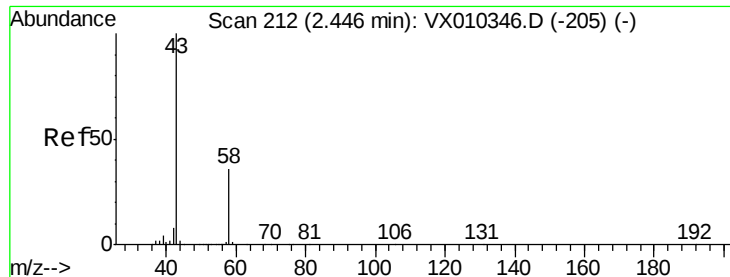


#13

Acrolein
Concen: 0.257 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX010422.D
Acq: 24 Jun 2019 19:21

Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#16

Acetone

Concen: 7.857 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010422.D

Acq: 24 Jun 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

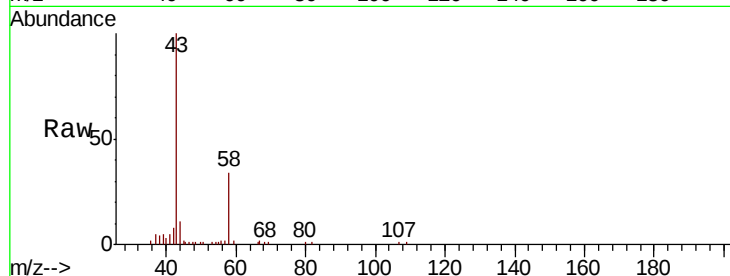
BAT-B06

Tot Ion: 43 Resp: 9727

Ion Ratio Lower Upper

43 100

58 33.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

6000

5000

4000

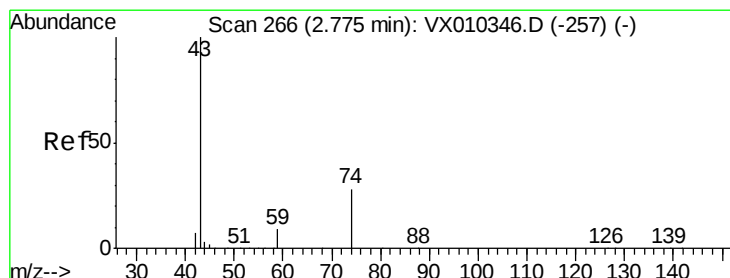
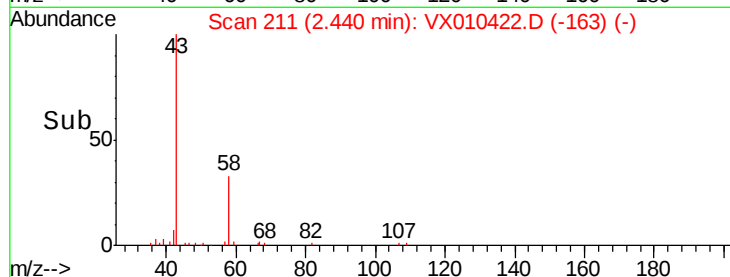
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 0.590 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010422.D

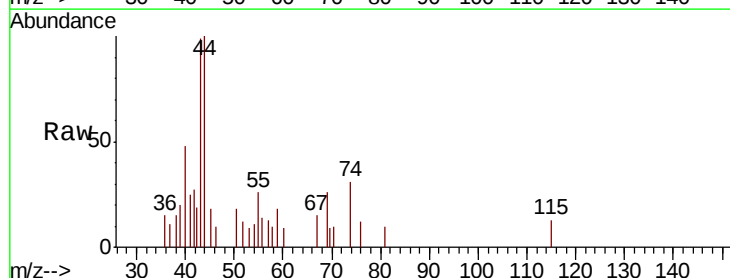
Acq: 24 Jun 2019 19:21

Tgt Ion: 43 Resp: 1457

Ion Ratio Lower Upper

43 100

74 15.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

600

500

400

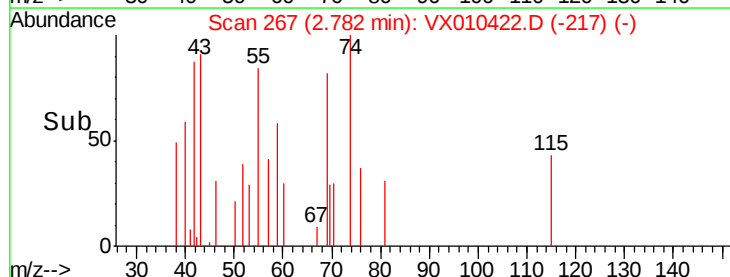
300

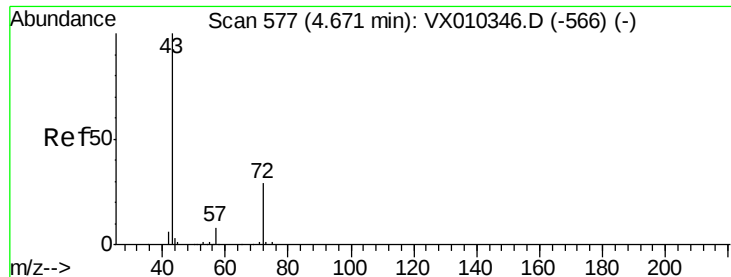
200

100

0

Time--> 2.70 2.75 2.80 2.85

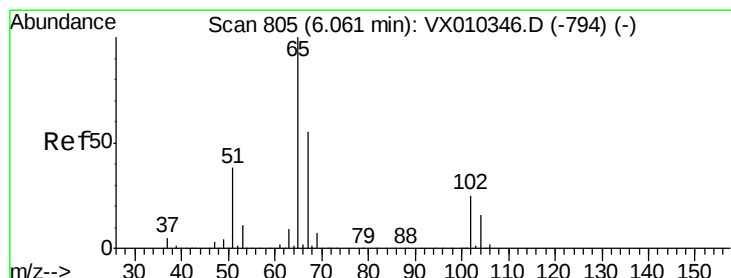
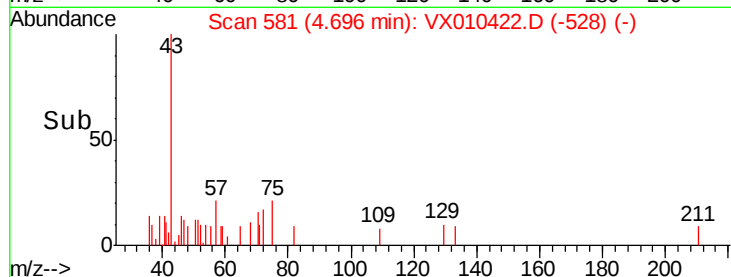
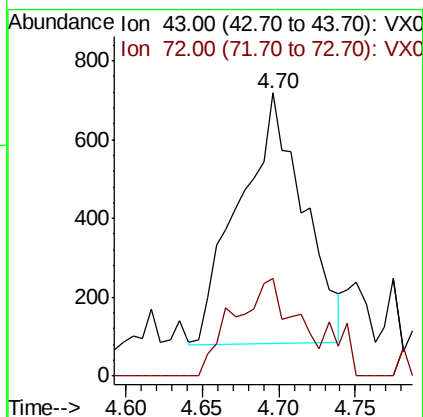
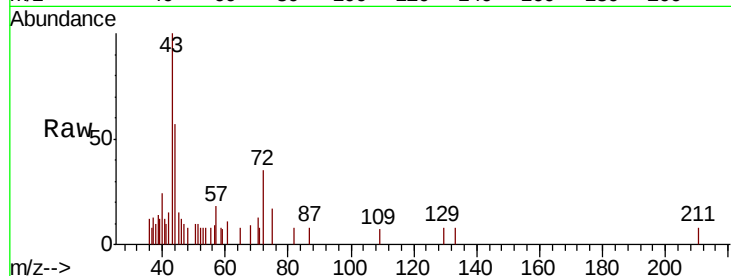




#25
2-Butanone
Concen: 1.021 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX010422.D
Acq: 24 Jun 2019 19:21

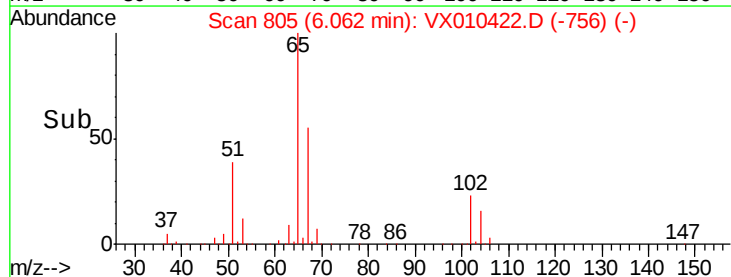
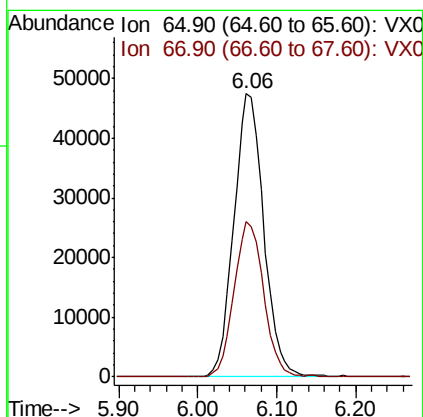
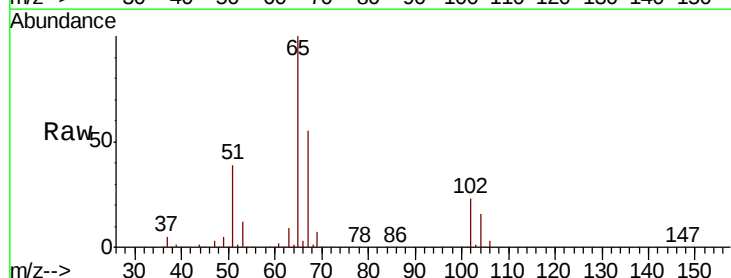
Instrument :
MSVOA_X
ClientSampleId :
BAT-B06

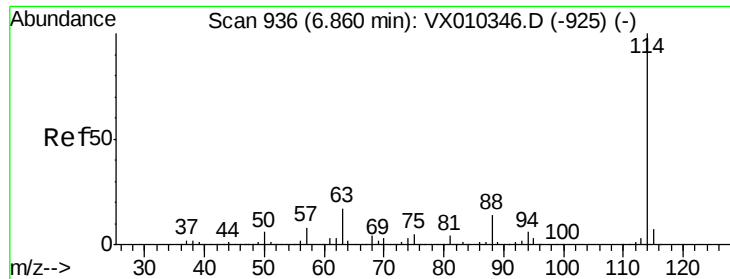
Tot Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
72 39.3 23.3 34.9#



#33
1,2-Dichloroethane-d4
Concen: 50.651 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010422.D
Acq: 24 Jun 2019 19:21

Tgt Ion: 65 Resp: 125120
Ion Ratio Lower Upper
65 100
67 54.5 0.0 110.2

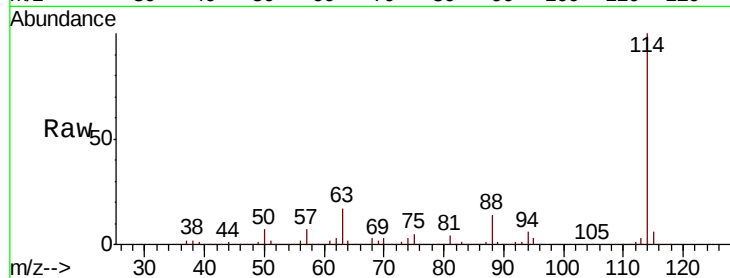




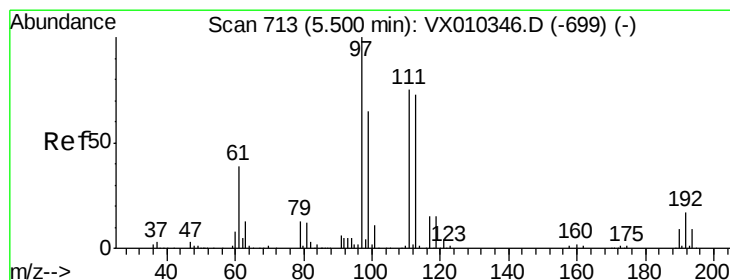
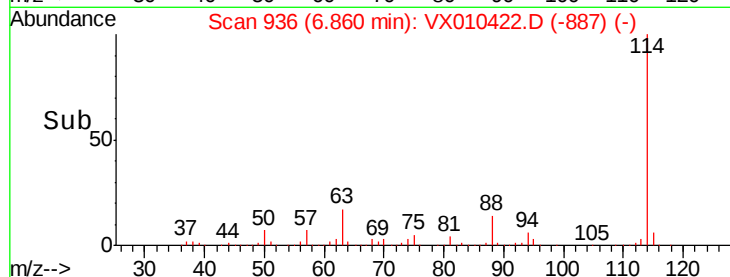
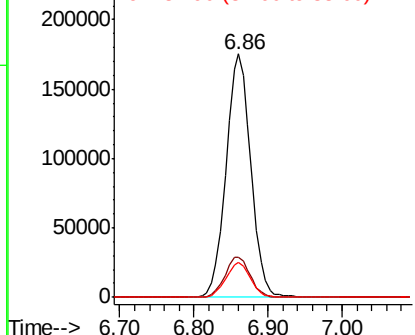
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010422.D
 Acq: 24 Jun 2019 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B06

Tot Ion:114 Resp: 406018
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 33.8
 88 14.2 0.0 27.6

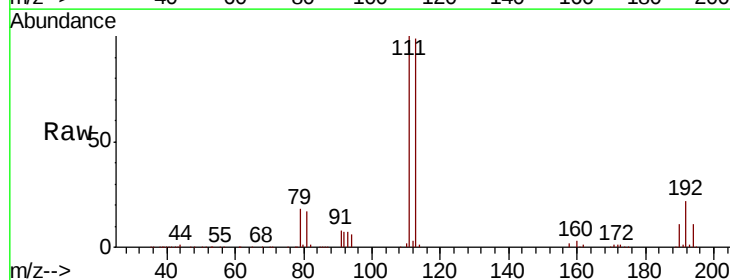


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

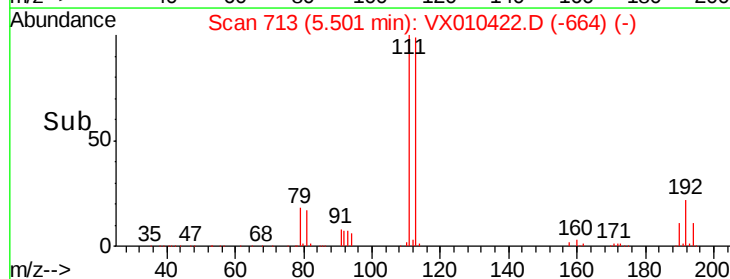
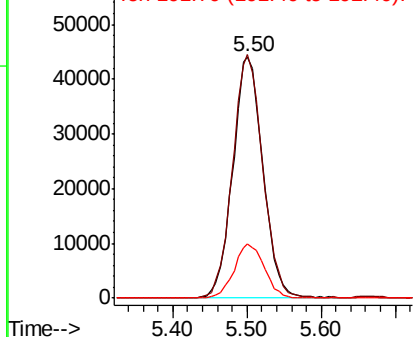


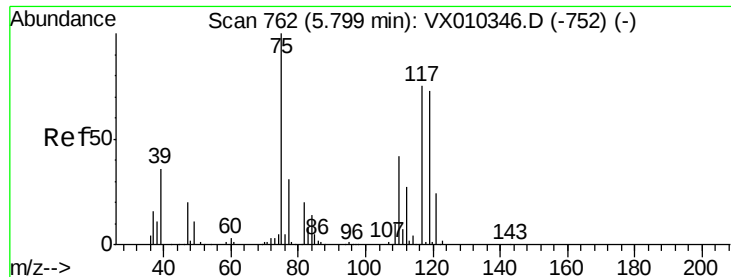
#35
 Dibromofluoromethane
 Concen: 50.346 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010422.D
 Acq: 24 Jun 2019 19:21

Tgt Ion:113 Resp: 125068
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.2 121.8
 192 22.6 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: 4.994 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010422.D

Acq: 24 Jun 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

BAT-B06

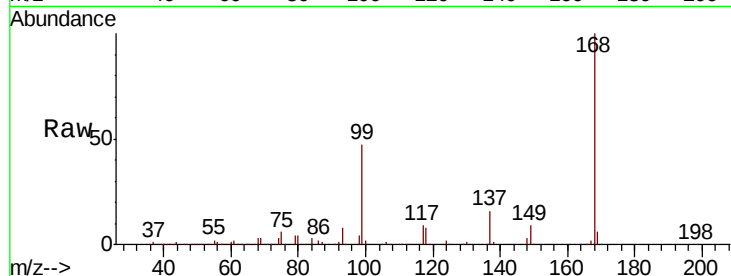
Tot Ion: 75 Resp: 16114

Ion Ratio Lower Upper

75 100

110 9.9 20.8 62.2#

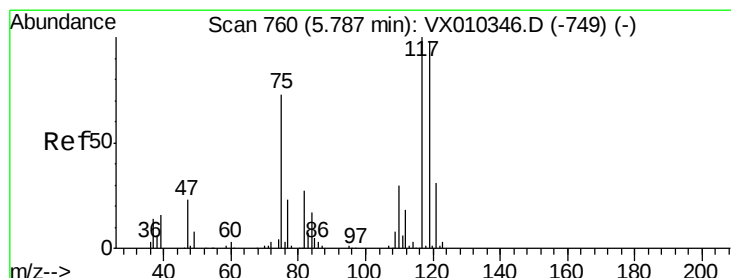
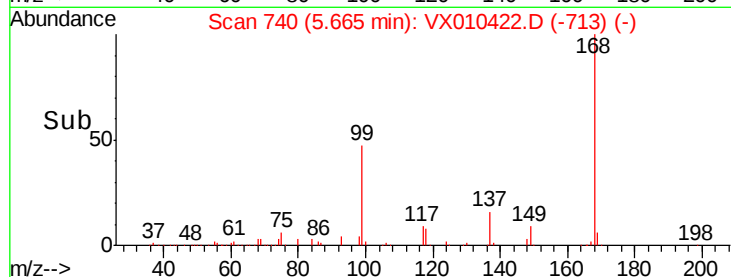
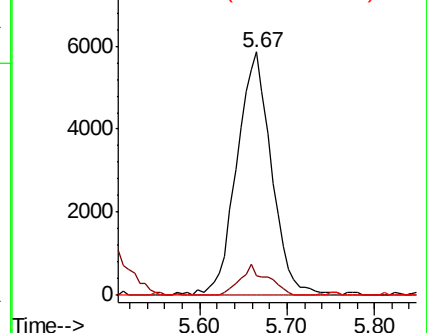
77 0.0 25.4 38.0#



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: 6.659 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010422.D

Acq: 24 Jun 2019 19:21

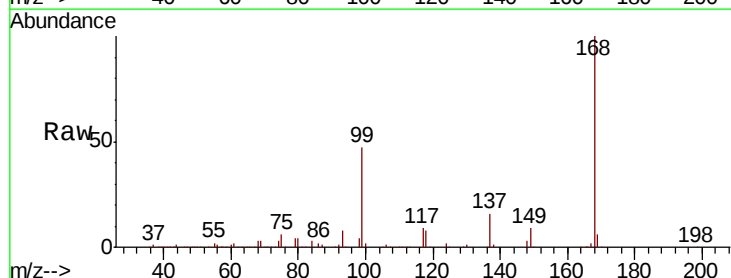
Tgt Ion: 117 Resp: 23265

Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.4#

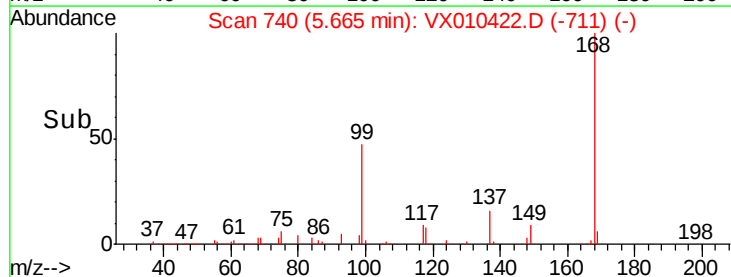
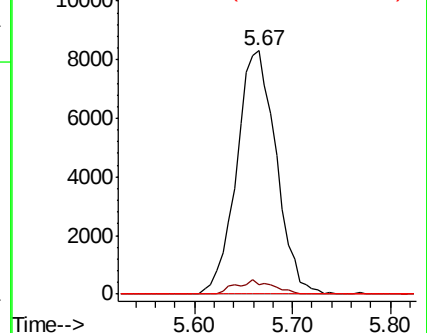
121 0.0 24.7 37.1#

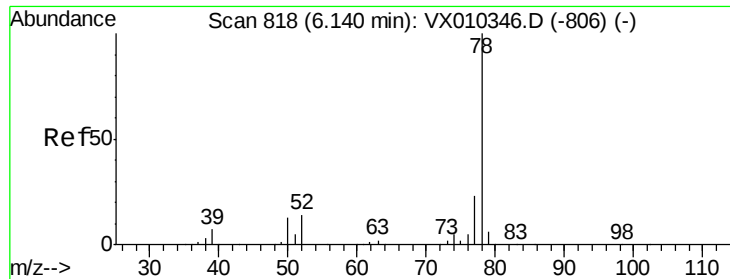


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.240 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX010422.D

Acq: 24 Jun 2019 19:21

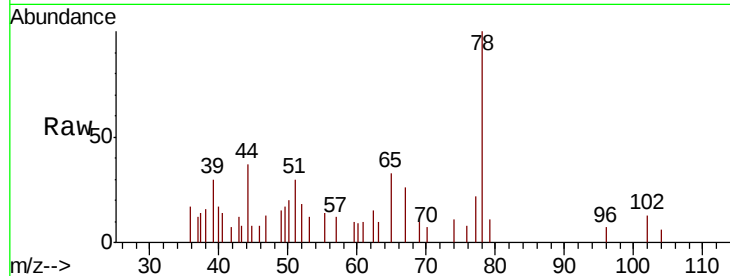
Instrument :
MSVOA_X
ClientSampled :
BAT-B06

Tot Ion: 78 Resp: 2412

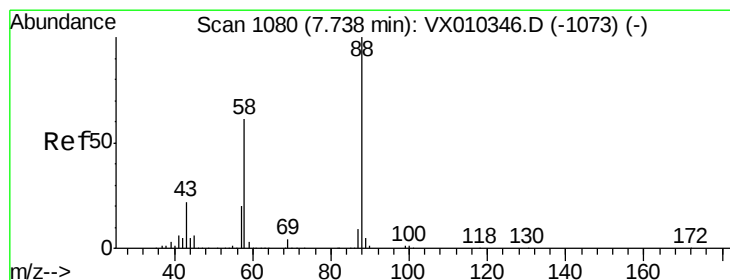
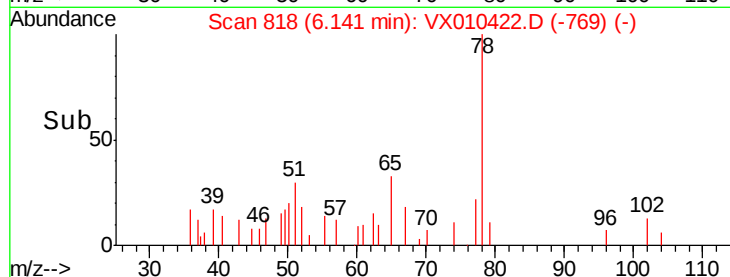
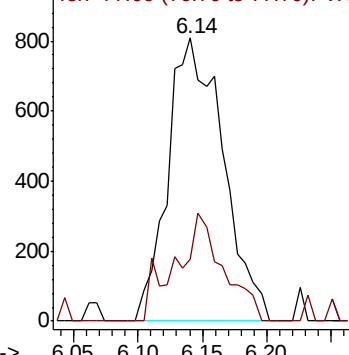
Ion Ratio Lower Upper

78 100

77 21.9 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 0.666 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010422.D

Acq: 24 Jun 2019 19:21

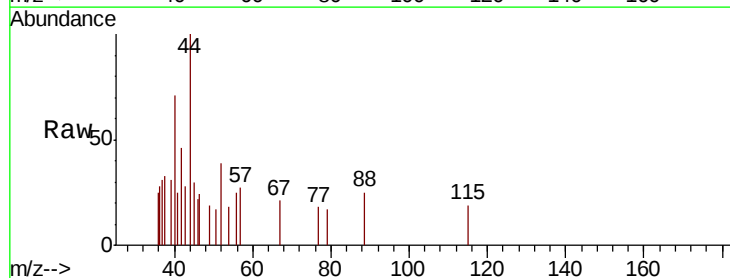
Tgt Ion: 88 Resp: 49

Ion Ratio Lower Upper

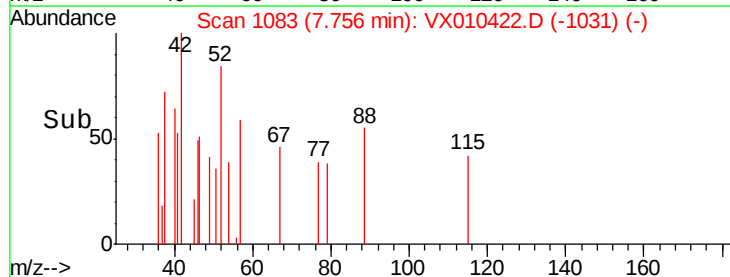
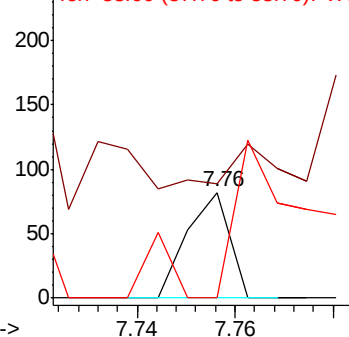
88 100

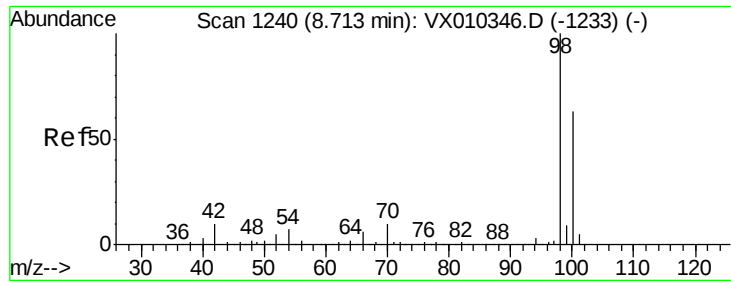
43 0.0 20.2 30.2#

58 285.7 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

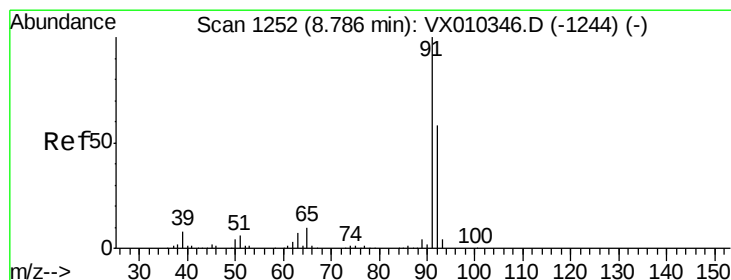
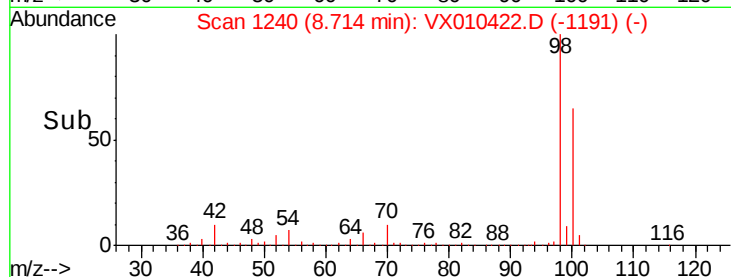
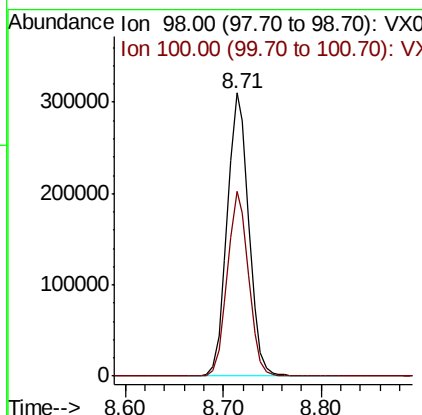
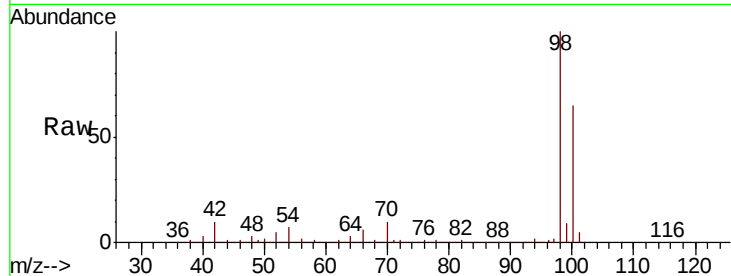




#50
Toluene-d8
Concen: 50.026 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010422.D
Acq: 24 Jun 2019 19:21

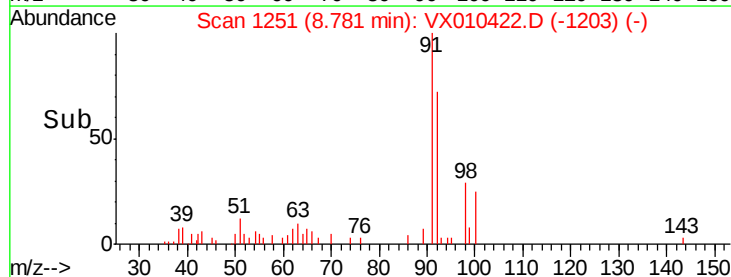
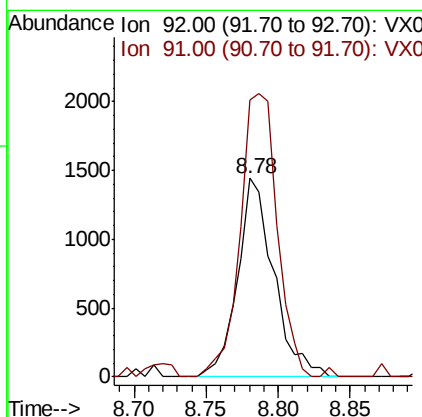
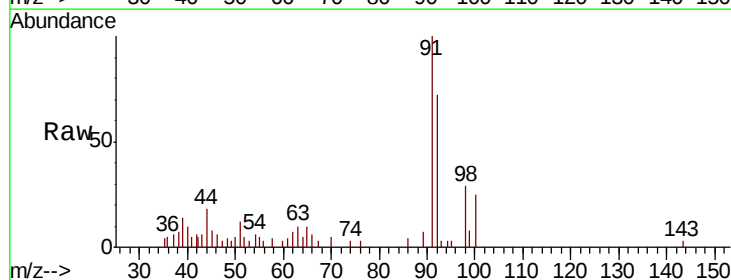
Instrument :
MSVOA_X
ClientSampleId :
BAT-B06

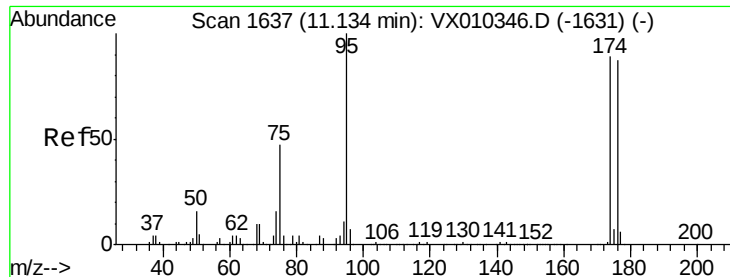
Tot Ion: 98 Resp: 475444
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#52
Toluene
Concen: 0.380 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010422.D
Acq: 24 Jun 2019 19:21

Tgt Ion: 92 Resp: 2517
Ion Ratio Lower Upper
92 100
91 145.7 139.8 209.6

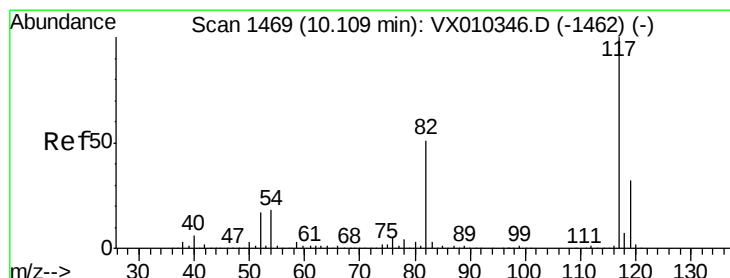
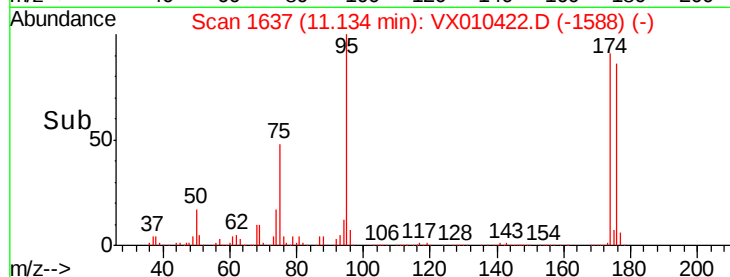
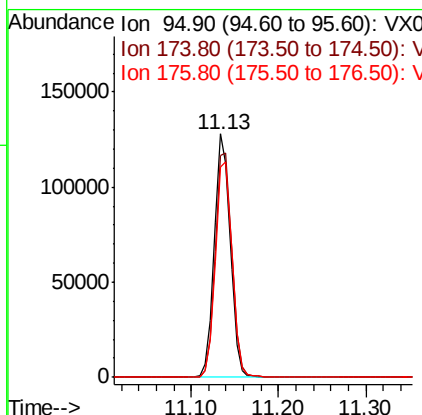
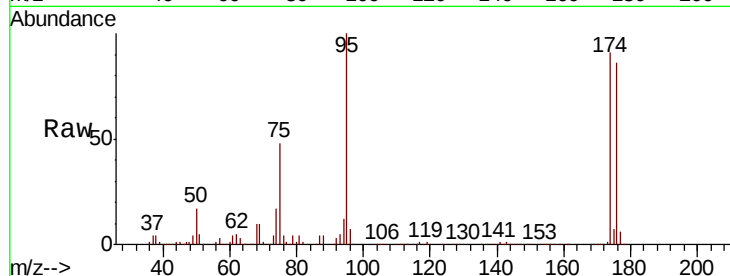




#62
4-Bromofluorobenzene
Concen: 47.117 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010422.D
Acq: 24 Jun 2019 19:21

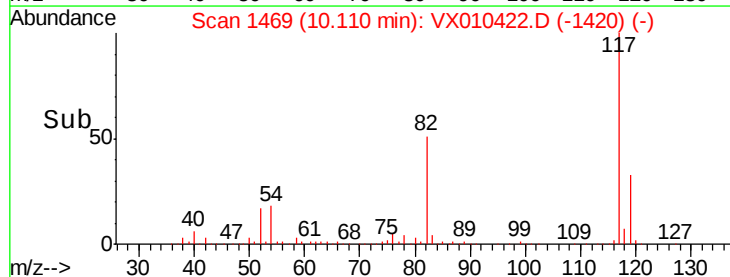
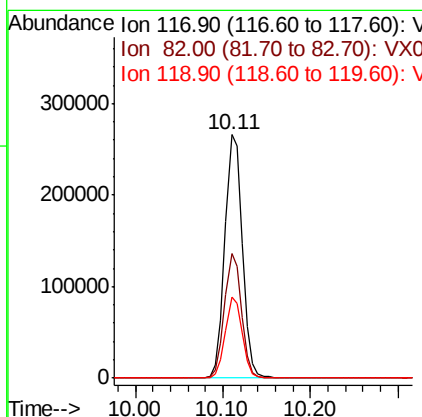
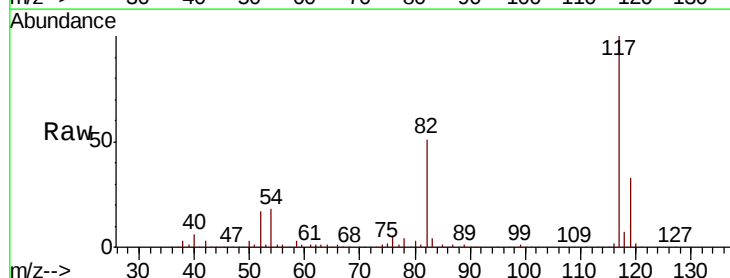
Instrument :
MSVOA_X
ClientSampleId :
BAT-B06

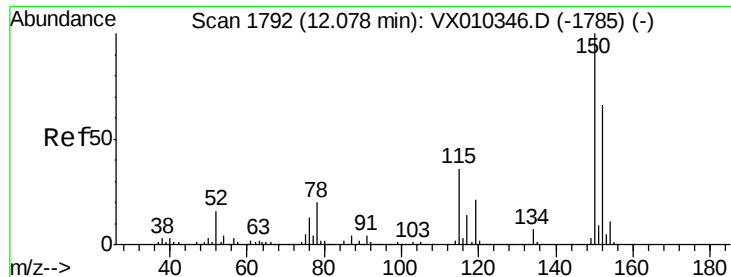
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.7	0.0	187.6
176	91.6	0.0	184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010422.D
Acq: 24 Jun 2019 19:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.2	61.8
119	33.1	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010422.D

Acq: 24 Jun 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

BAT-B06

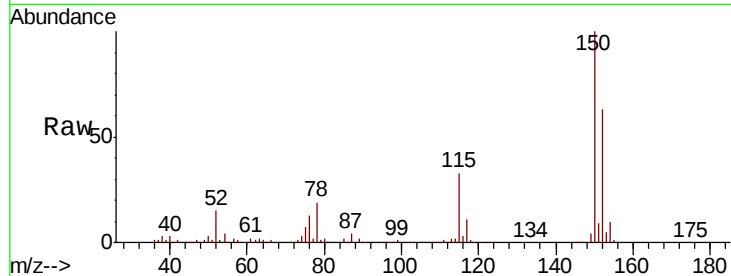
Tot Ion:152 Resp: 172150

Ion Ratio Lower Upper

152 100

115 53.9 38.6 115.7

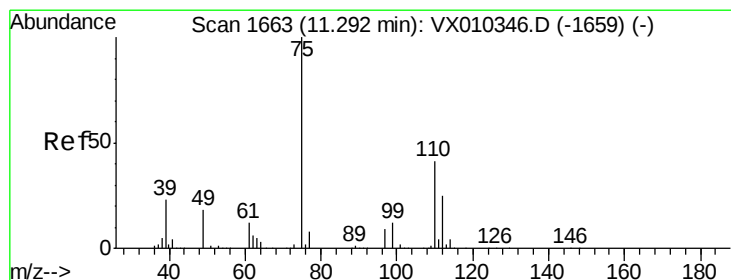
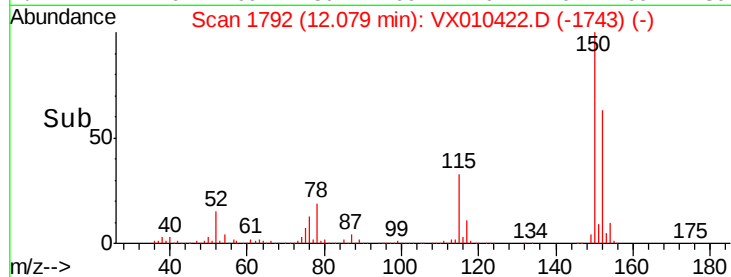
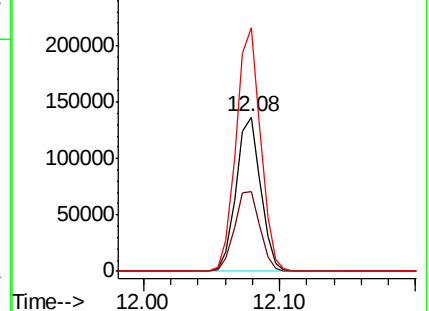
150 156.8 0.0 347.4



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: 24.170 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010422.D

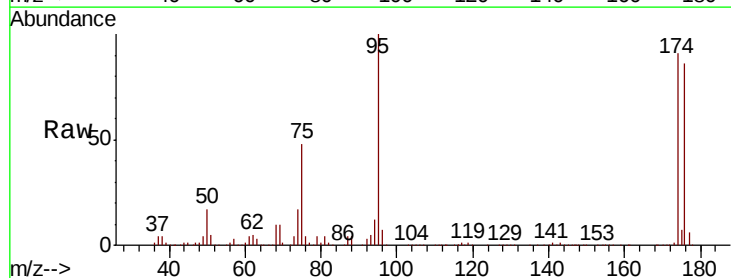
Acq: 24 Jun 2019 19:21

Tgt Ion: 75 Resp: 75821

Ion Ratio Lower Upper

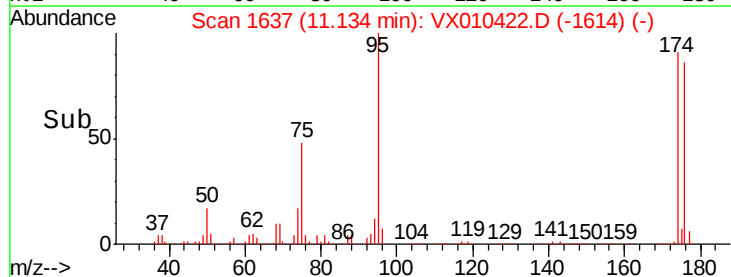
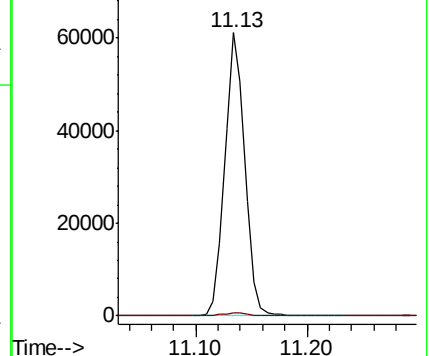
75 100

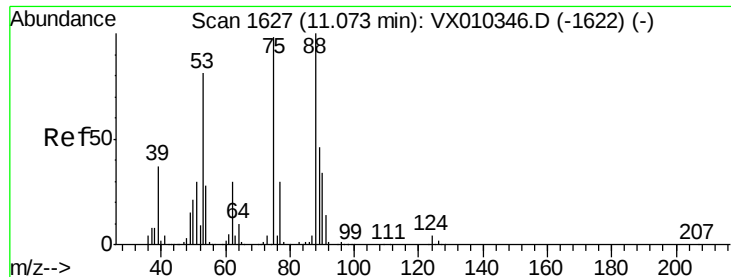
77 1.3 22.6 67.8#



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: 56.385 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010422.D

Acq: 24 Jun 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

BAT-B06

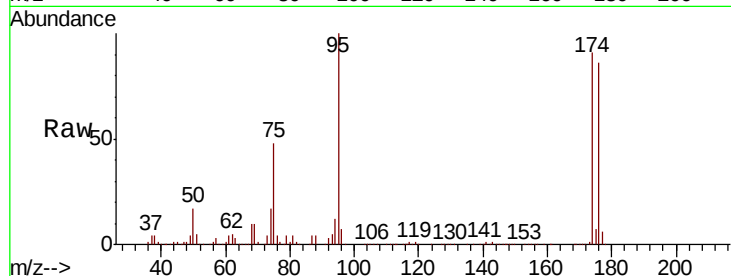
Tot Ion: 75 Resp: 75821

Ion Ratio Lower Upper

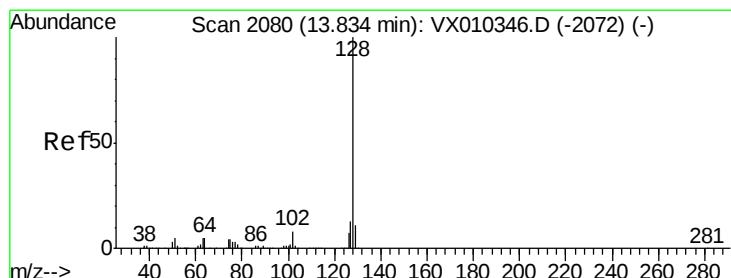
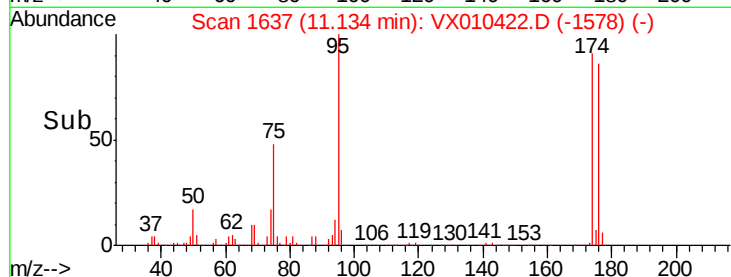
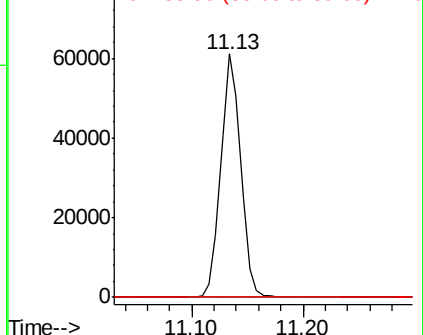
75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 0.412 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010422.D

Acq: 24 Jun 2019 19:21

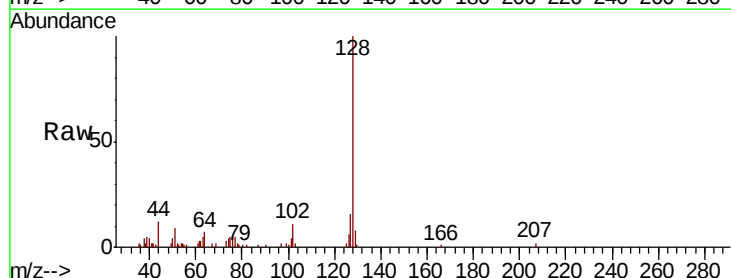
Tgt Ion: 128 Resp: 4964

Ion Ratio Lower Upper

128 100

127 17.0 10.2 15.4#

129 12.4 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

