

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062419\
 Data File : VX010419.D
 Acq On : 24 Jun 2019 18:11
 Operator : JC/SP
 Sample : K3155-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B11

Quant Time: Jun 25 03:40:01 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	278420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	426148	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	388141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177928	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	130756	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
35) Dibromofluoromethane	5.50	113	129471	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	8.71	98	501929	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.13	95	168357	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

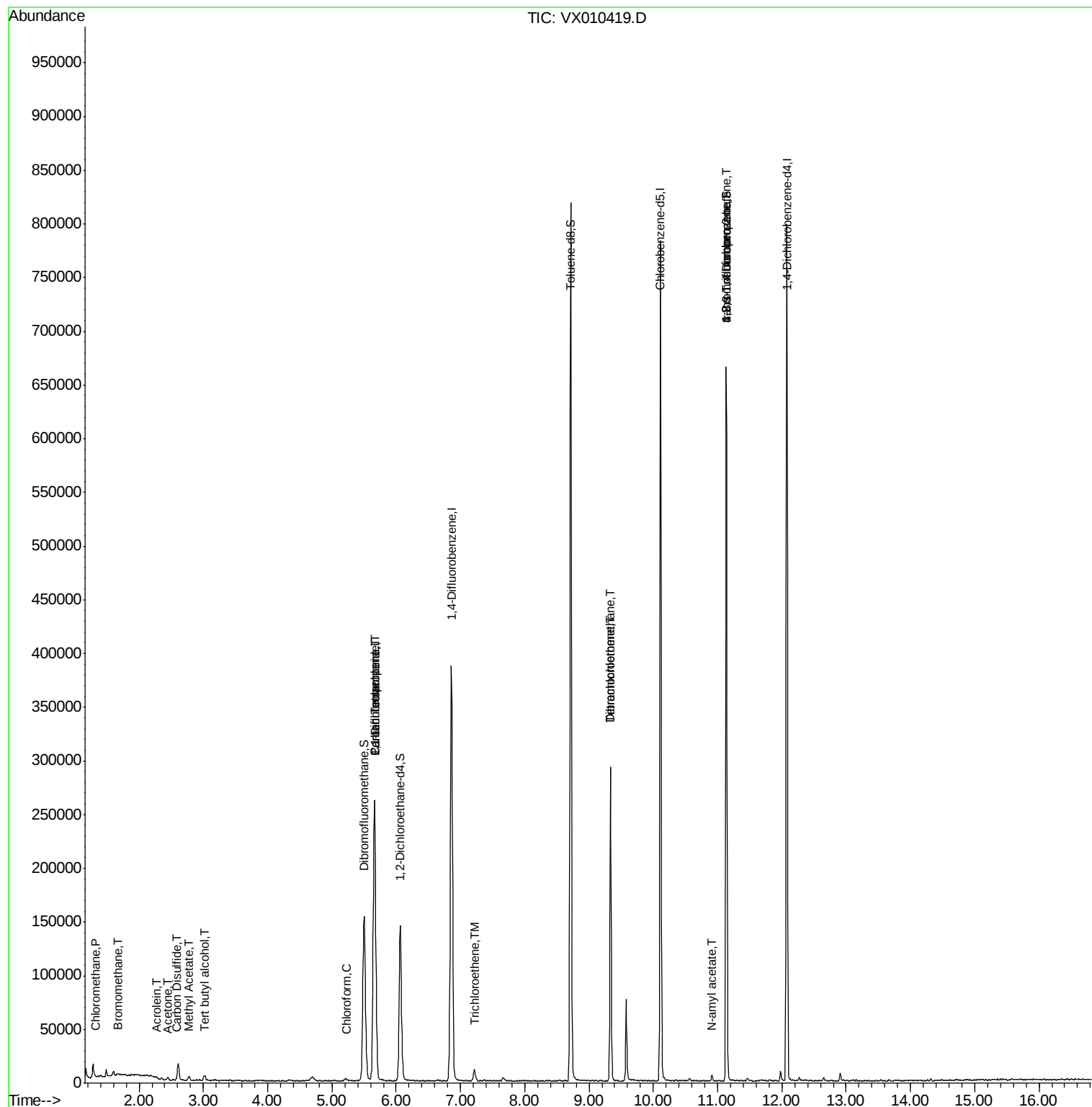
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	661	0.293	ug/l #	79
5) Bromomethane	1.66	94	441	0.367	ug/l #	59
11) Tert butyl alcohol	3.01	59	2782	4.073	ug/l #	86
13) Acrolein	2.28	56	94	0.207	ug/l #	1
16) Acetone	2.45	43	2844	2.174	ug/l	98
17) Carbon Disulfide	2.58	76	1541	0.238	ug/l #	75
18) Methyl Acetate	2.78	43	4667	1.790	ug/l	99
30) Chloroform	5.23	83	2217	0.498	ug/l	99
36) 1,1-Dichloropropene	5.67	75	17630	5.206	ug/l #	48
38) Carbon Tetrachloride	5.66	117	24875	6.783	ug/l #	14
44) Trichloroethene	7.22	130	4438	1.406	ug/l	91
60) Dibromochloromethane	9.34	129	52312	16.305	ug/l #	11
64) Tetrachloroethene	9.34	164	58054	18.492	ug/l	97
74) N-amyl acetate	10.91	43	973	0.213	ug/l #	9
76) 1,2,3-Trichloropropane	11.13	75	79779	24.606	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	79779	57.402	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010419.D

Acq: 24 Jun 2019 18:11

Instrument :

MSVOA_X

ClientSampled :

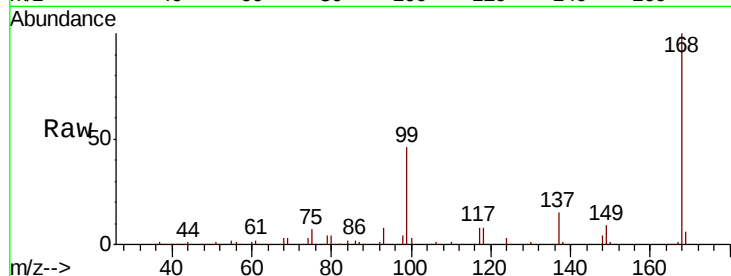
BAT-B11

Tot Ion:168 Resp: 278420

Ion Ratio Lower Upper

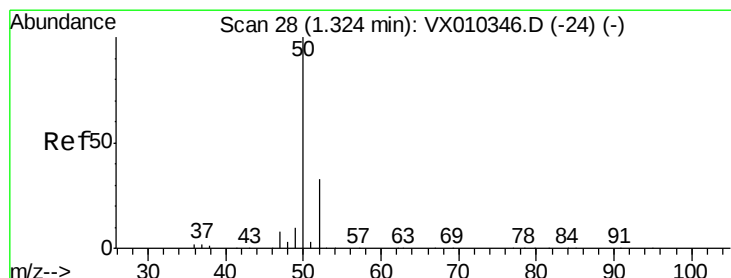
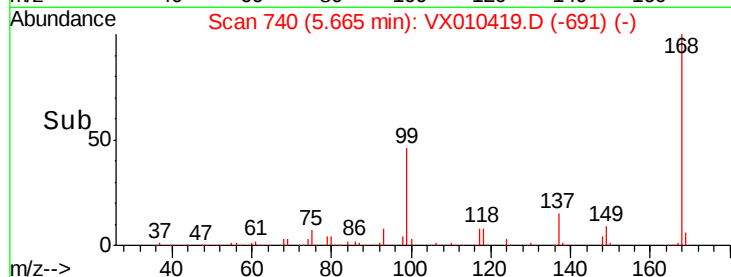
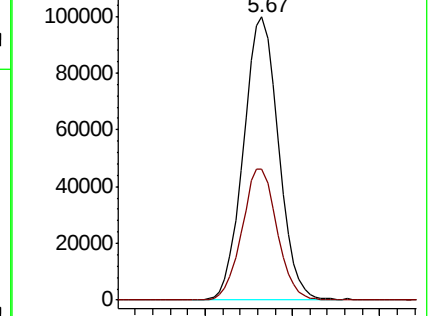
168 100

99 46.2 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: 0.293 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010419.D

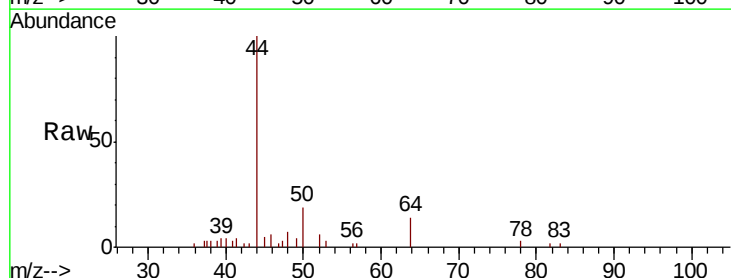
Acq: 24 Jun 2019 18:11

Tgt Ion: 50 Resp: 661

Ion Ratio Lower Upper

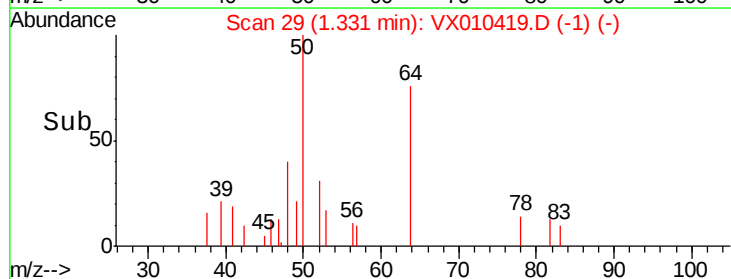
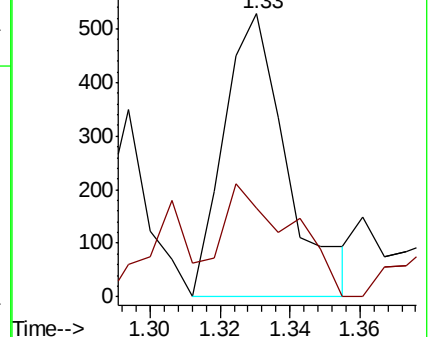
50 100

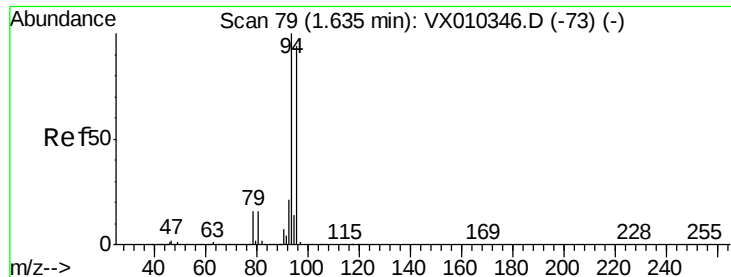
52 21.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.367 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010419.D

Acq: 24 Jun 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

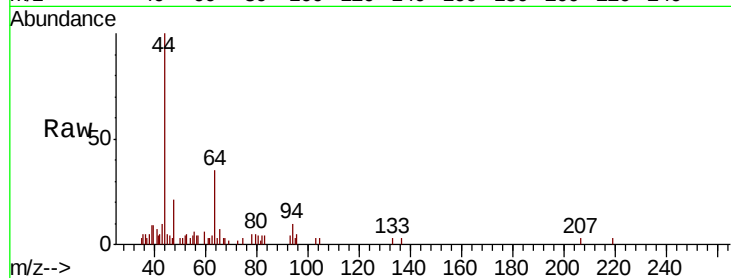
BAT-B11

Tot Ion: 94 Resp: 441

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

250

200

150

100

50

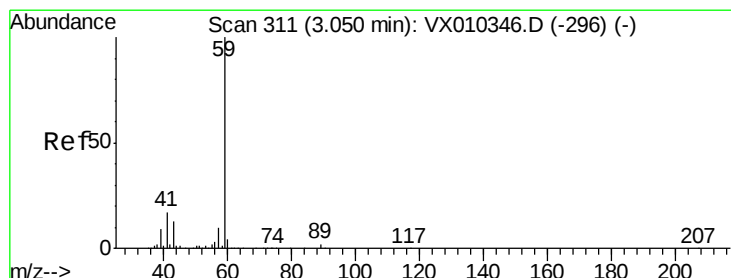
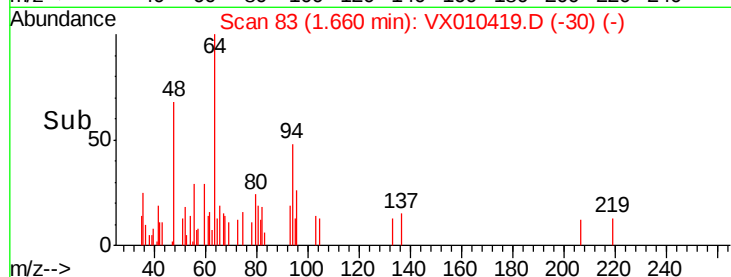
0

1.60

1.65

1.70

Time-->



#11

Tert butyl alcohol

Concen: 4.073 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010419.D

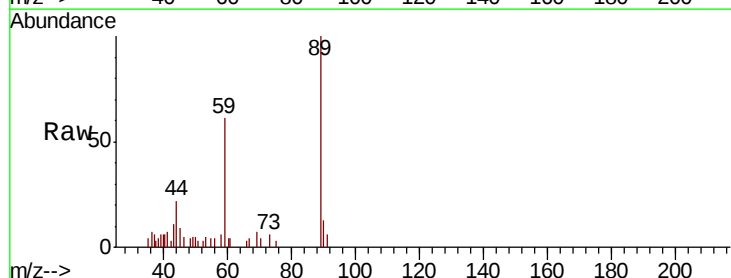
Acq: 24 Jun 2019 18:11

Tgt Ion: 59 Resp: 2782

Ion Ratio Lower Upper

59 100

57 4.3 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1000

500

0

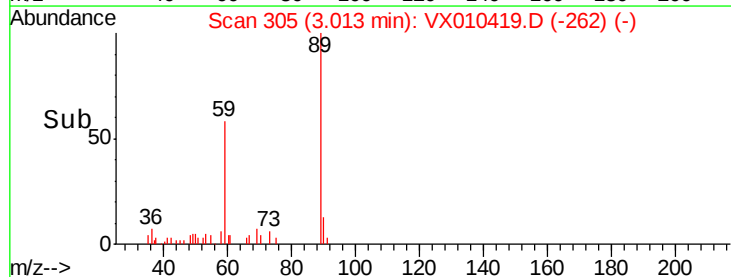
2.95

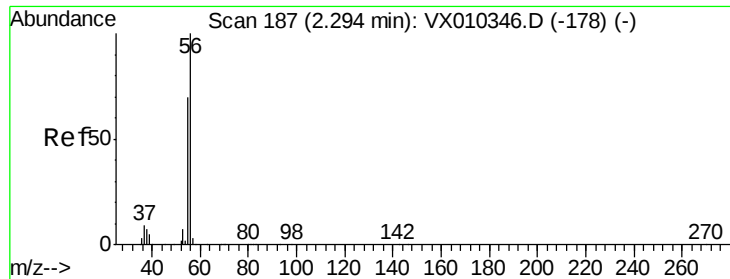
3.00

3.05

3.10

Time-->





#13

Acrolein

Concen: 0.207 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010419.D

Acq: 24 Jun 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

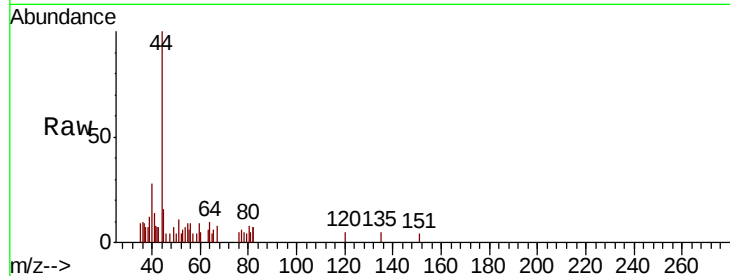
BAT-B11

Tot Ion: 56 Resp: 94

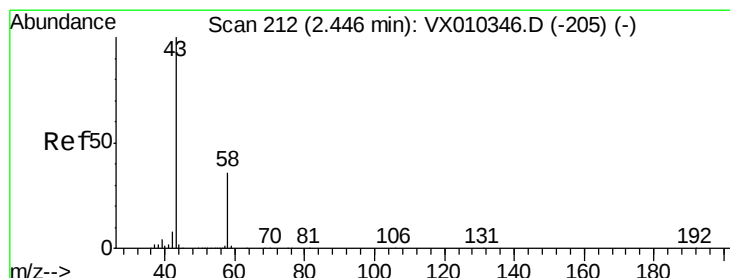
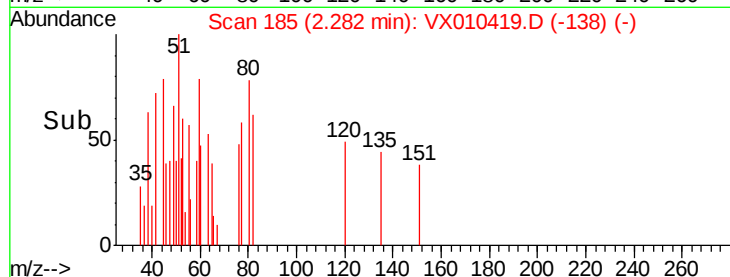
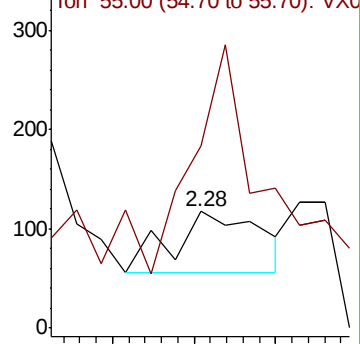
Ion Ratio Lower Upper

56 100

55 478.7 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#16

Acetone

Concen: 2.174 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010419.D

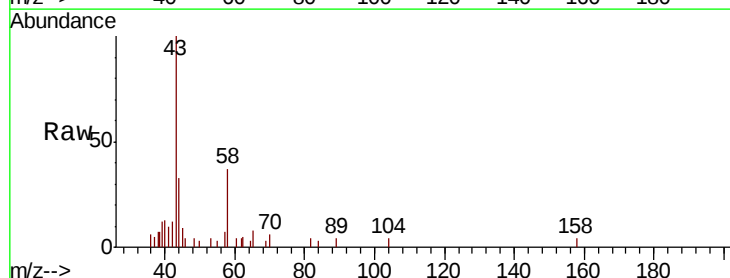
Acq: 24 Jun 2019 18:11

Tgt Ion: 43 Resp: 2844

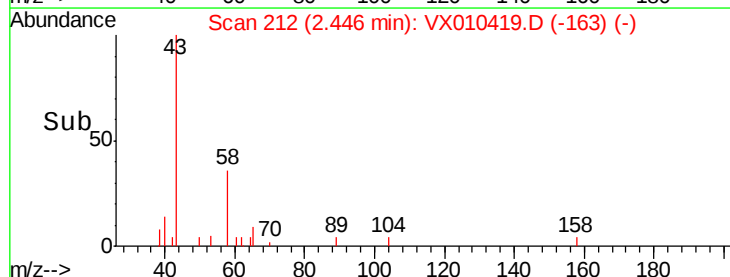
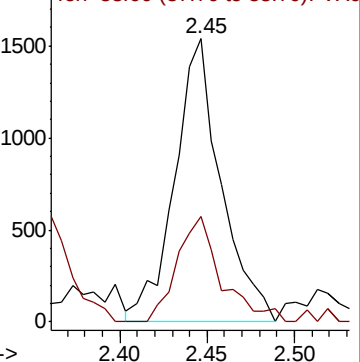
Ion Ratio Lower Upper

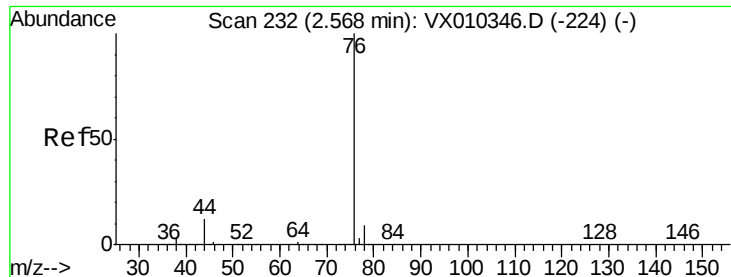
43 100

58 37.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0





#17

Carbon Disulfide

Concen: 0.238 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX010419.D

Acq: 24 Jun 2019 18:11

Instrument :

MSVOA_X

ClientSampled :

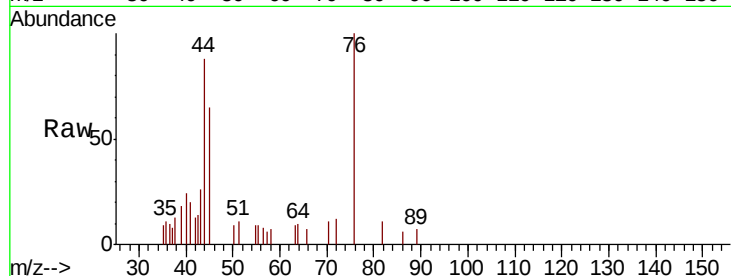
BAT-B11

Tot Ion: 76 Resp: 1541

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.58

800

600

400

200

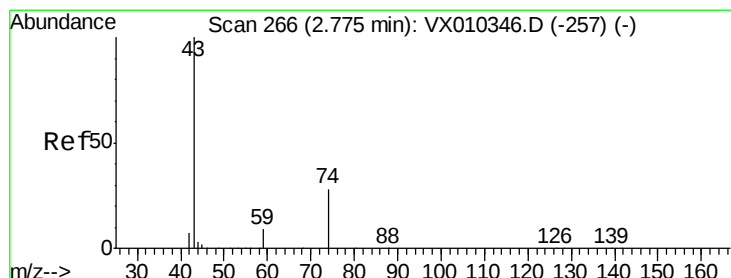
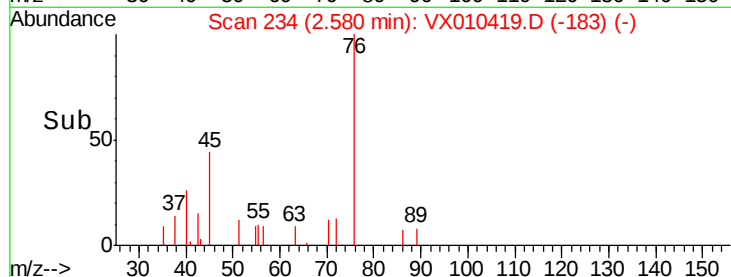
0

2.50

2.55

2.60

Time-->



#18

Methyl Acetate

Concen: 1.790 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010419.D

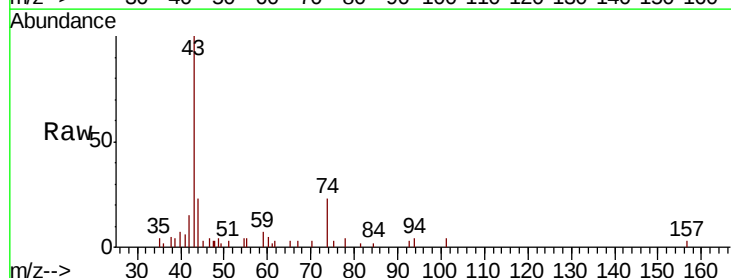
Acq: 24 Jun 2019 18:11

Tgt Ion: 43 Resp: 4667

Ion Ratio Lower Upper

43 100

74 26.9 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

2500

2000

1500

1000

500

0

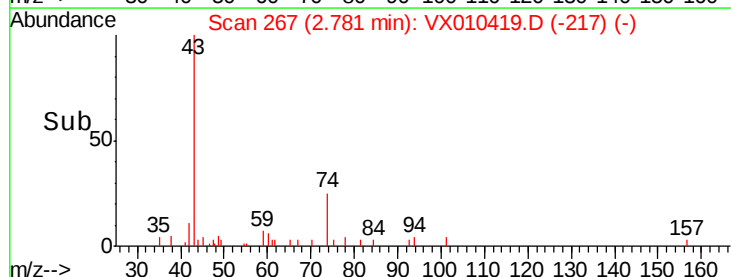
2.70

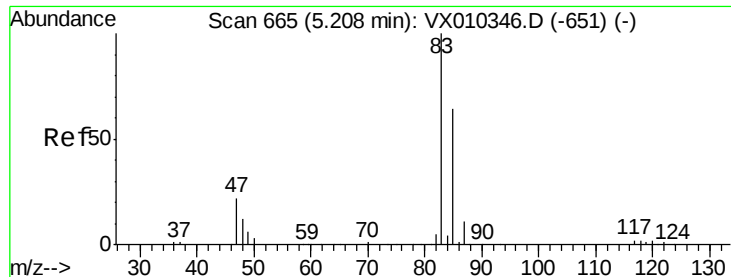
2.75

2.80

2.85

Time-->

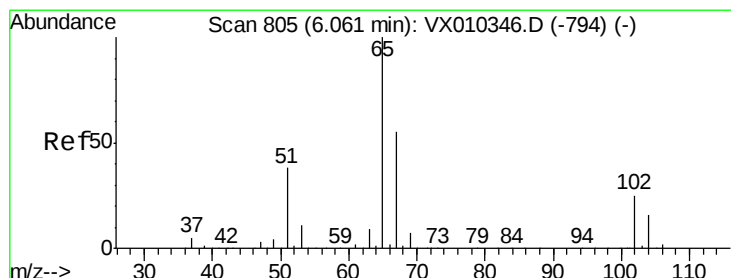
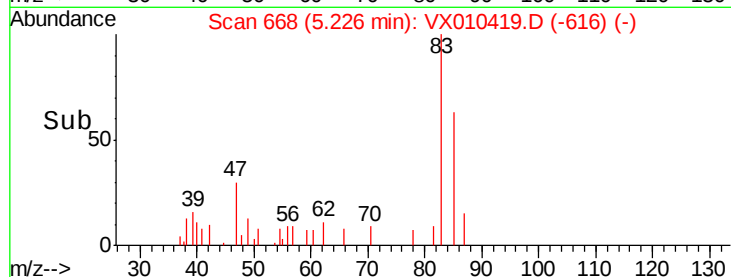
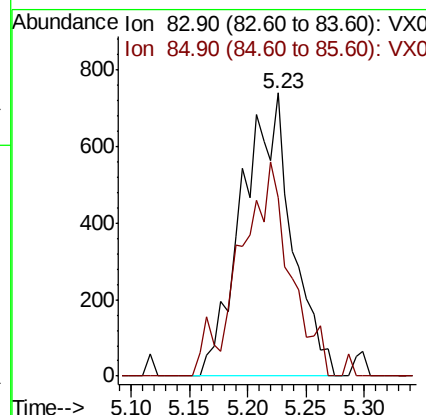
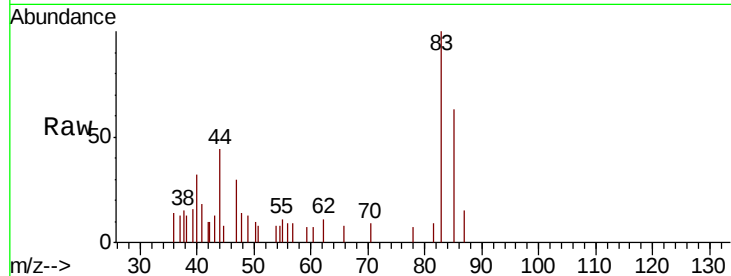




#30
Chloroform
Concen: 0.498 ug/l
RT: 5.23 min Scan# 668
Delta R.T. 0.02 min
Lab File: VX010419.D
Acq: 24 Jun 2019 18:11

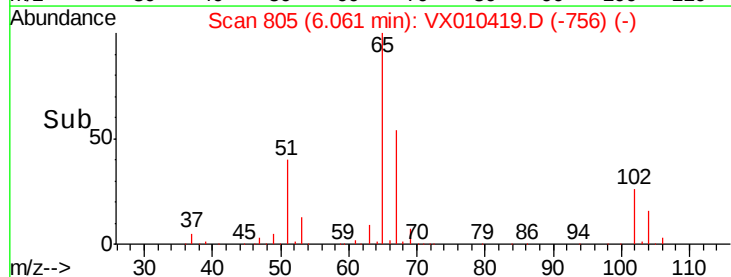
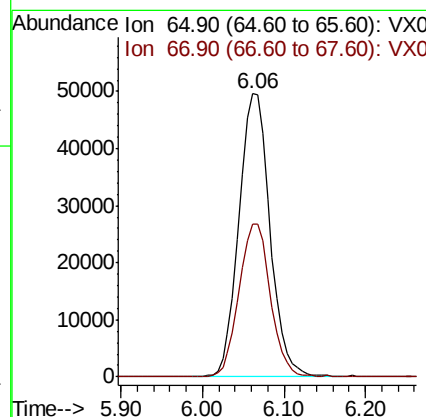
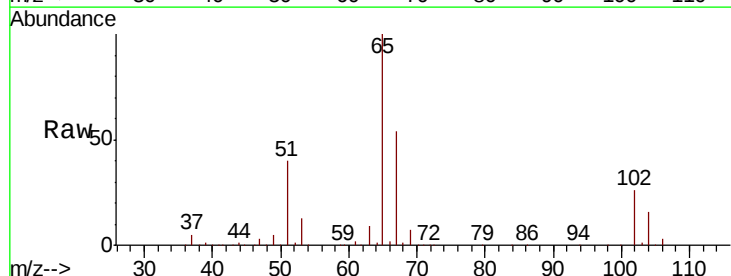
Instrument :
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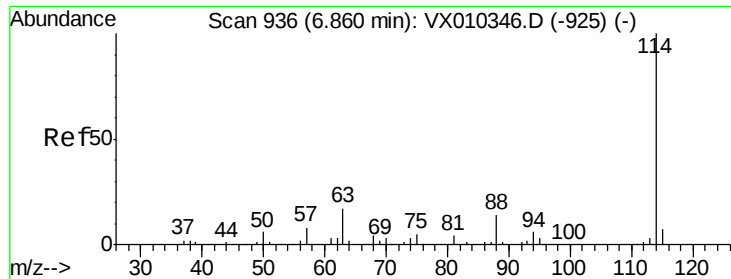
Tot Ion: 83 Resp: 2217
Ion Ratio Lower Upper
83 100
85 63.2 50.9 76.3



#33
1,2-Dichloroethane-d4
Concen: 50.089 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010419.D
Acq: 24 Jun 2019 18:11

Tgt Ion: 65 Resp: 130756
Ion Ratio Lower Upper
65 100
67 54.5 0.0 110.2

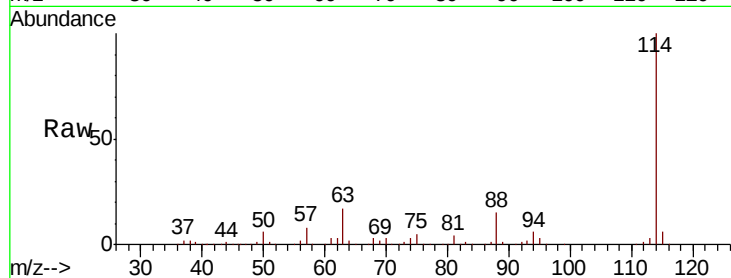




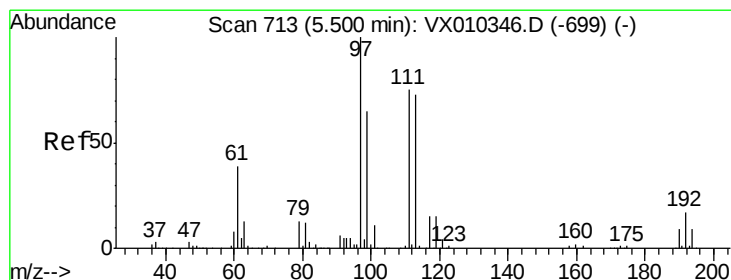
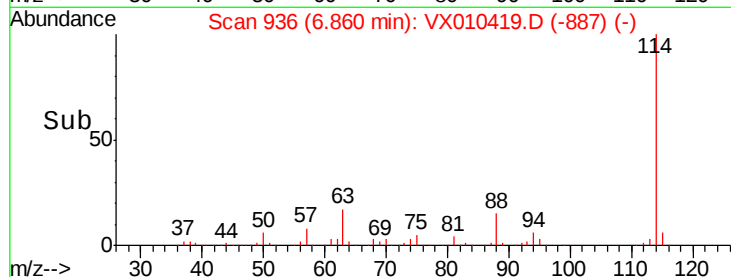
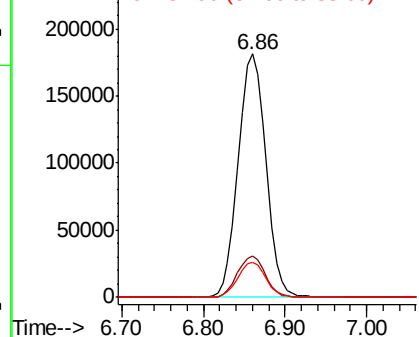
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010419.D
 Acq: 24 Jun 2019 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B11

Tot Ion:114 Resp: 426148
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 33.8
 88 14.6 0.0 27.6

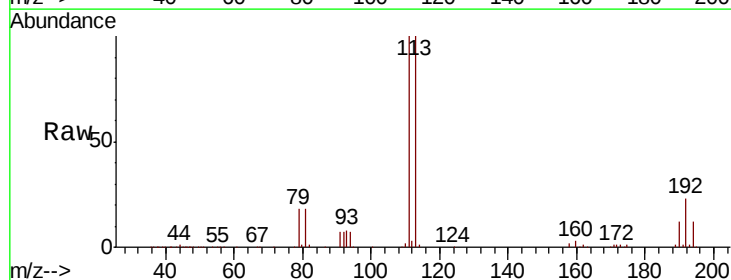


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

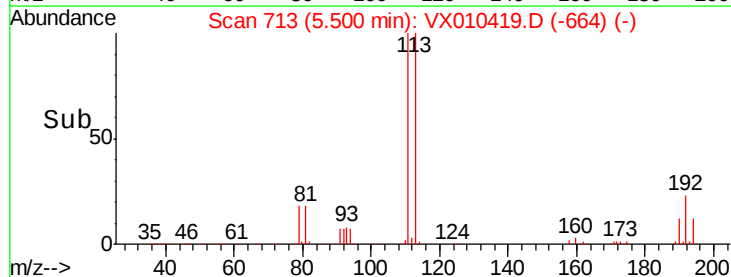
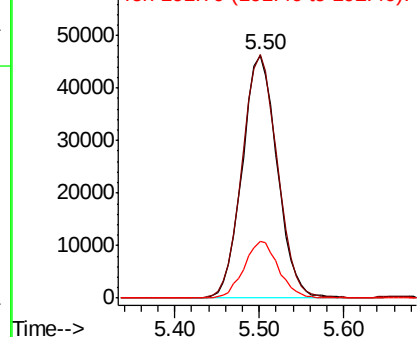


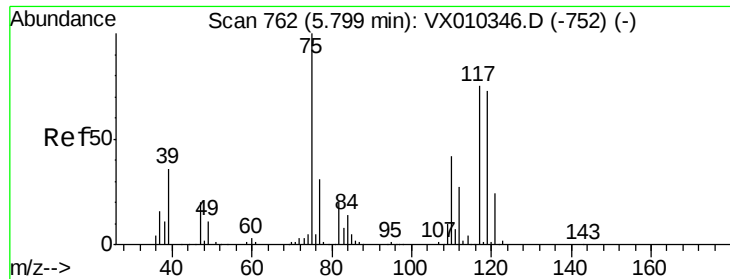
#35
 Dibromofluoromethane
 Concen: 49.657 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010419.D
 Acq: 24 Jun 2019 18:11

Tgt Ion:113 Resp: 129471
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.2 121.8
 192 23.0 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

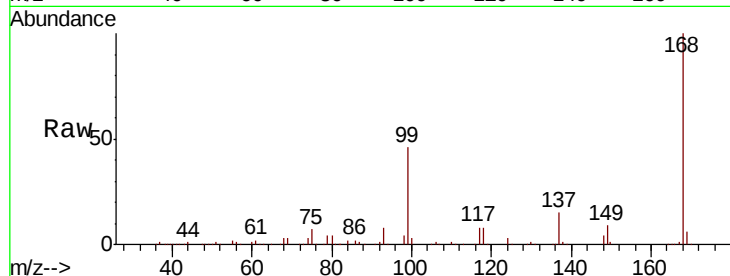




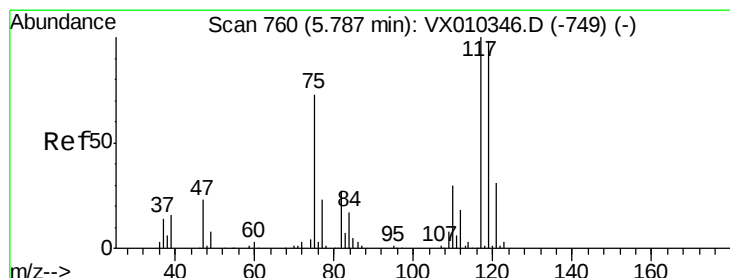
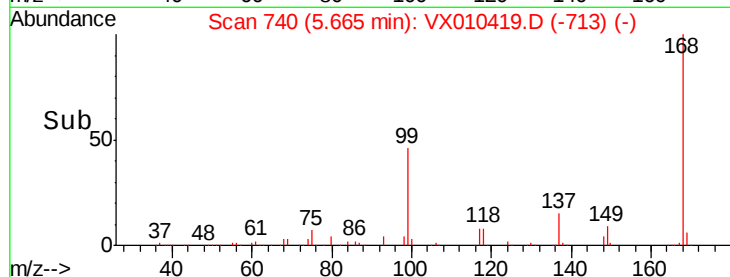
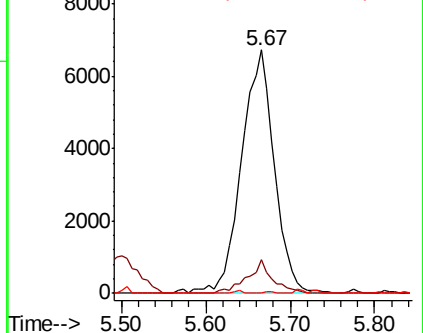
#36
 1,1-Dichloropropene
 Concen: 5.206 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010419.D
 Acq: 24 Jun 2019 18:11

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Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	20.8	62.2#
77	0.2	25.4	38.0#

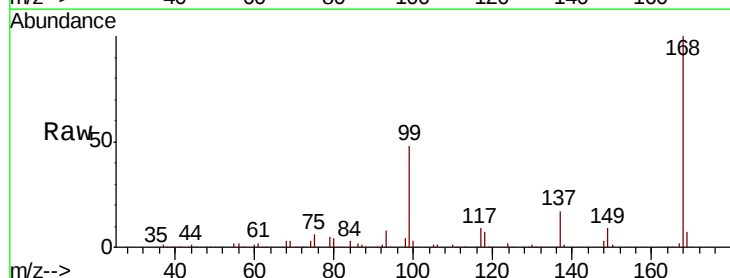


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

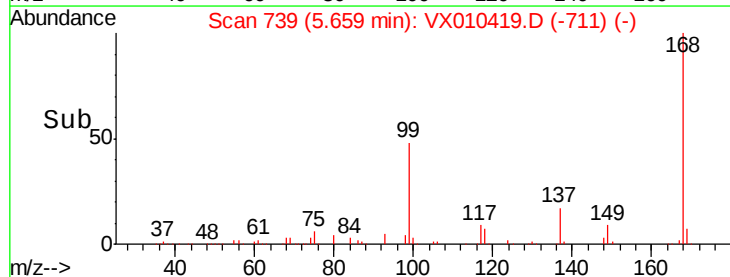
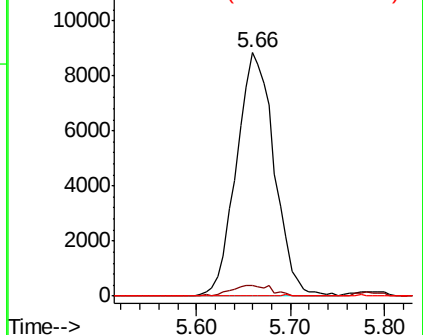


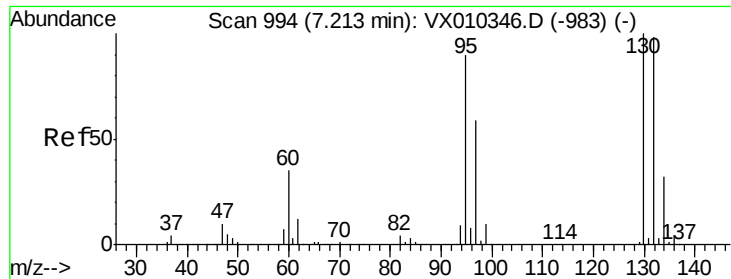
#38
 Carbon Tetrachloride
 Concen: 6.783 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010419.D
 Acq: 24 Jun 2019 18:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	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

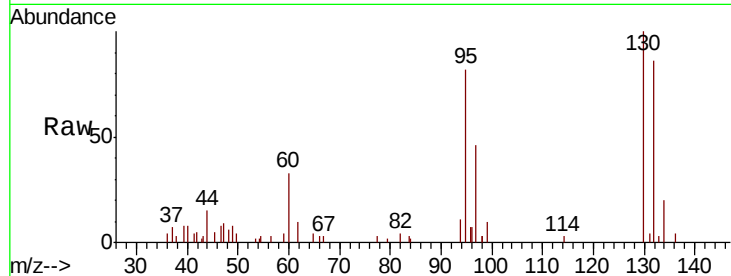




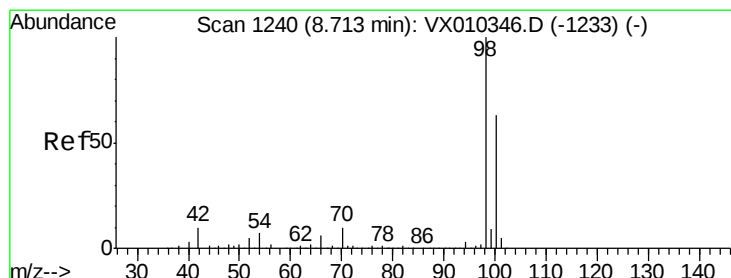
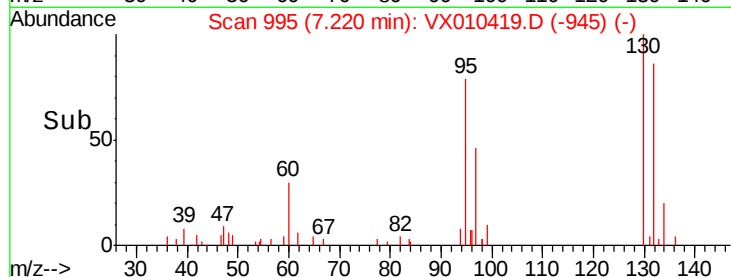
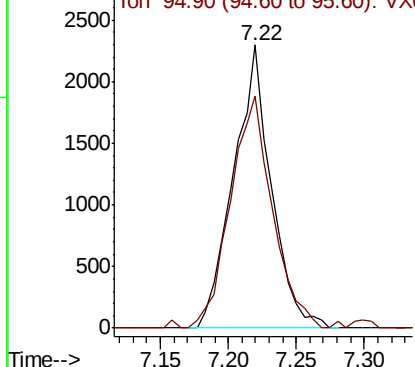
#44
 Trichloroethene
 Concen: 1.406 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX010419.D
 Acq: 24 Jun 2019 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B11

Tot Ion:130 Resp: 4438
 Ion Ratio Lower Upper
 130 100
 95 82.1 0.0 180.8

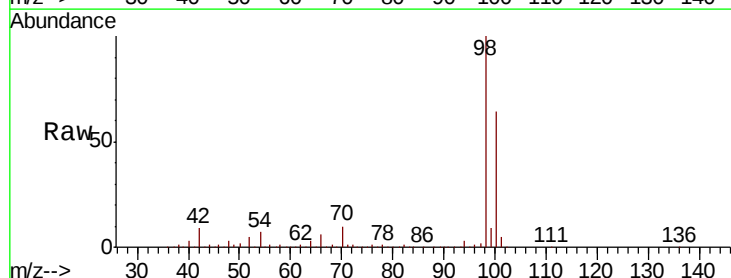


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

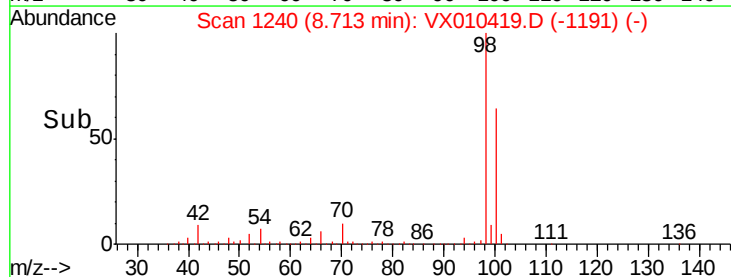
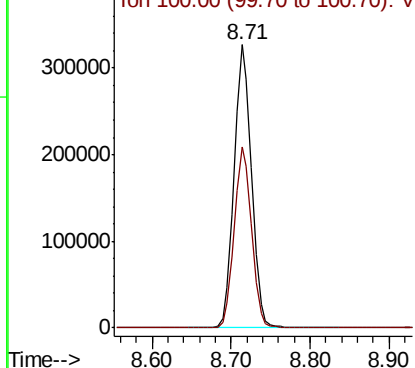


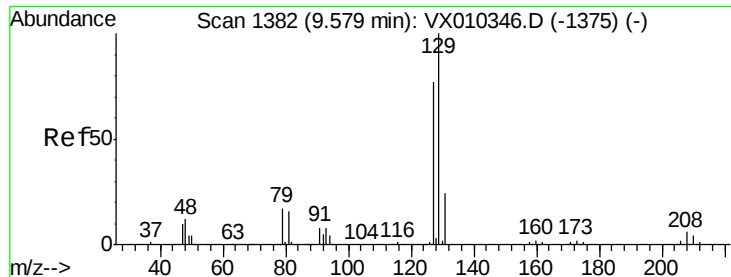
#50
 Toluene-d8
 Concen: 50.318 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010419.D
 Acq: 24 Jun 2019 18:11

Tgt Ion: 98 Resp: 501929
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

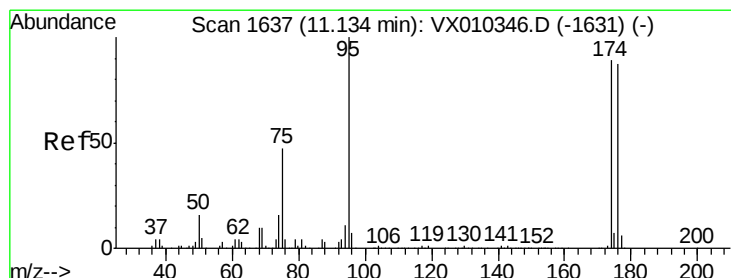
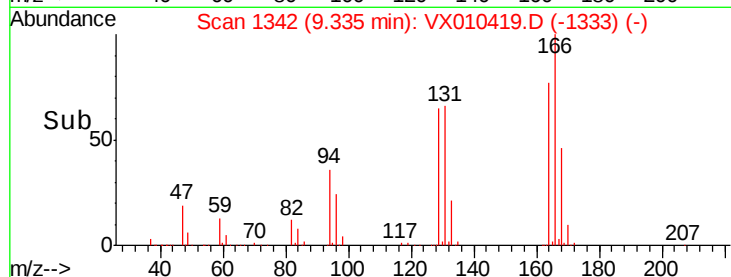
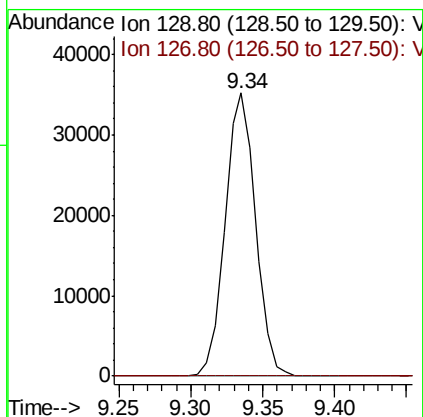
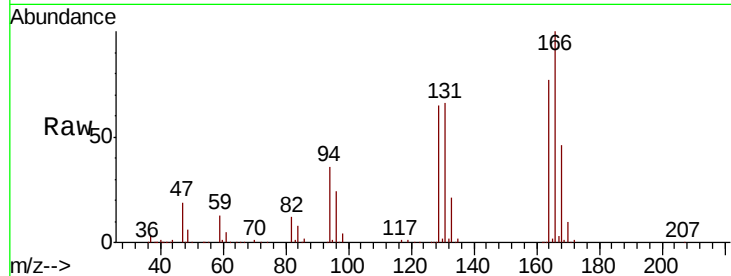




#60
Dibromochloromethane
Concen: 16.305 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010419.D
Acq: 24 Jun 2019 18:11

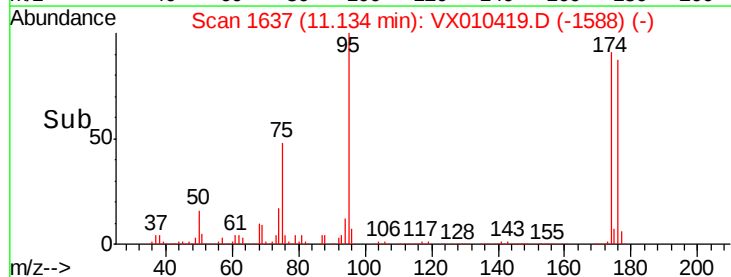
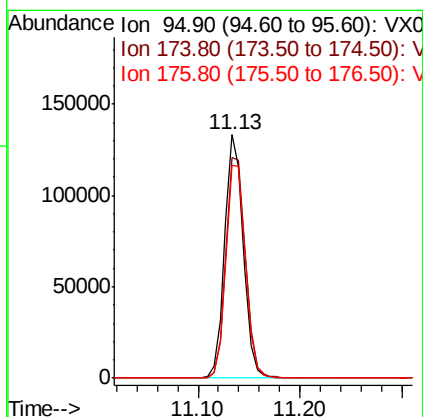
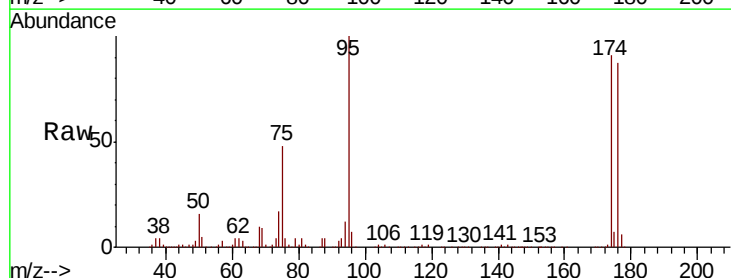
Instrument :
MSVOA_X
ClientSampleId :
BAT-B11

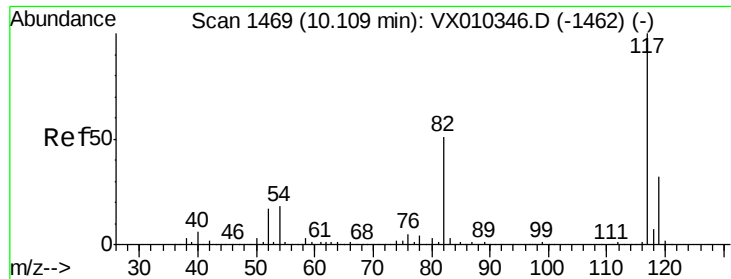
Tot Ion:129 Resp: 52312
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.1#



#62
4-Bromofluorobenzene
Concen: 46.749 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010419.D
Acq: 24 Jun 2019 18:11

Tgt Ion: 95 Resp: 168357
Ion Ratio Lower Upper
95 100
174 95.3 0.0 187.6
176 92.1 0.0 184.0

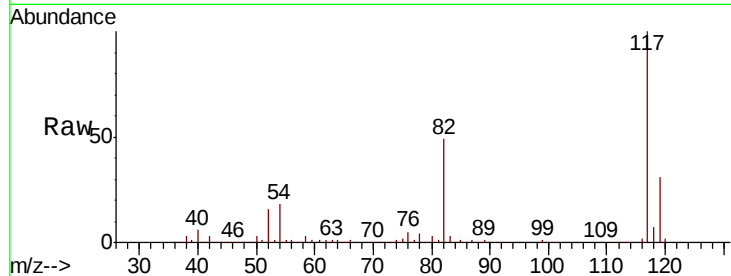




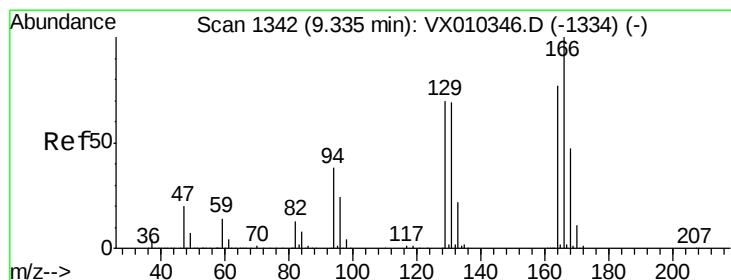
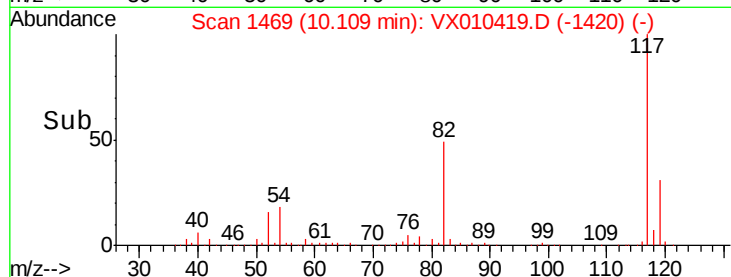
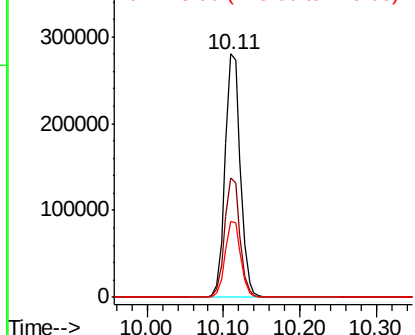
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010419.D
Acq: 24 Jun 2019 18:11

Instrument :
MSVOA_X
ClientSampled :
BAT-B11

Tot Ion:117 Resp: 388141
Ion Ratio Lower Upper
117 100
82 49.1 41.2 61.8
119 31.4 25.5 38.3



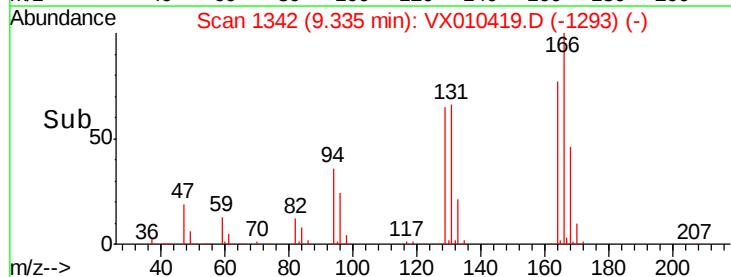
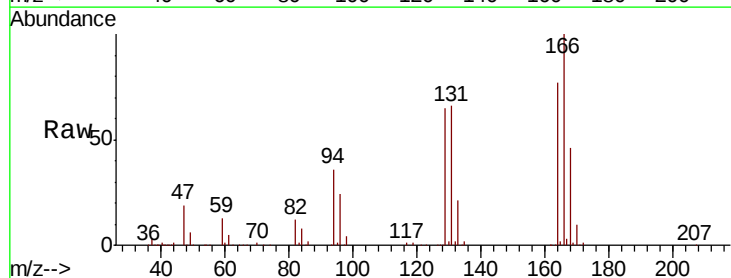
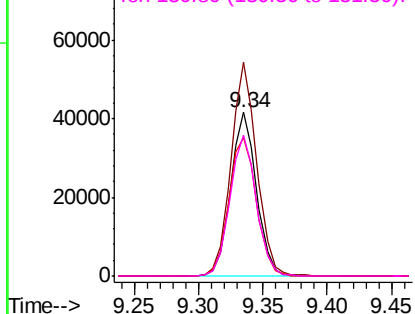
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

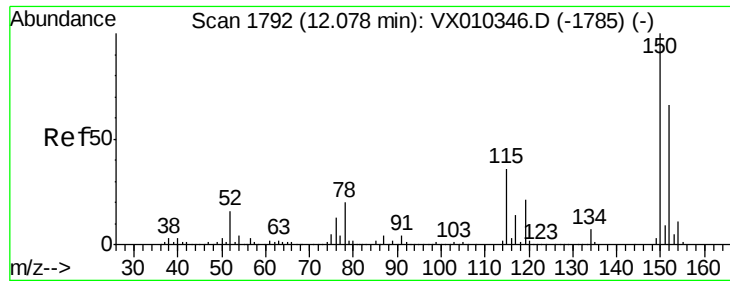


#64
Tetrachloroethene
Concen: 18.492 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010419.D
Acq: 24 Jun 2019 18:11

Tgt Ion:164 Resp: 58054
Ion Ratio Lower Upper
164 100
166 130.5 103.6 155.4
129 84.6 73.0 109.4
131 85.7 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



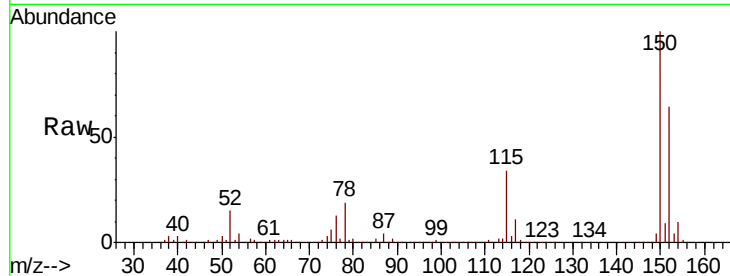


#72

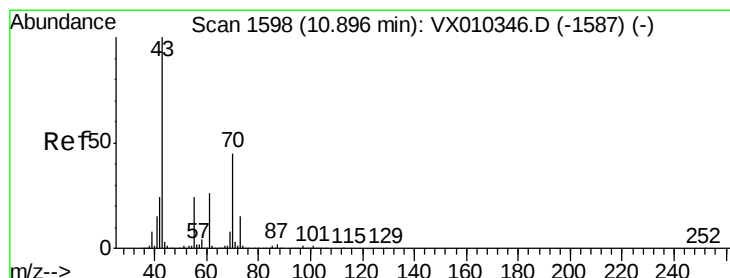
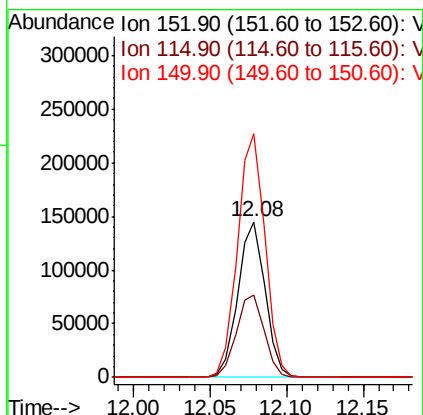
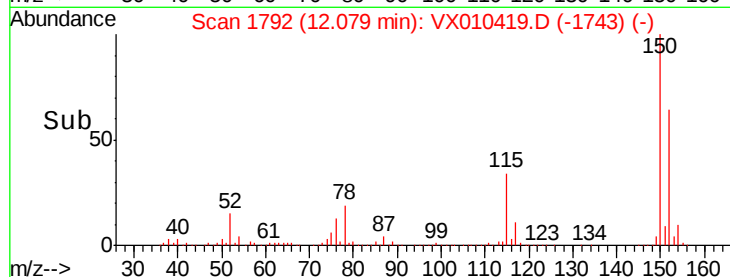
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010419.D
Acq: 24 Jun 2019 18:11

Instrument :
MSVOA_X
ClientSampleId :
BAT-B11

Tot Ion:152 Resp: 177928
Ion Ratio Lower Upper
152 100
115 54.5 38.6 115.7
150 159.0 0.0 347.4



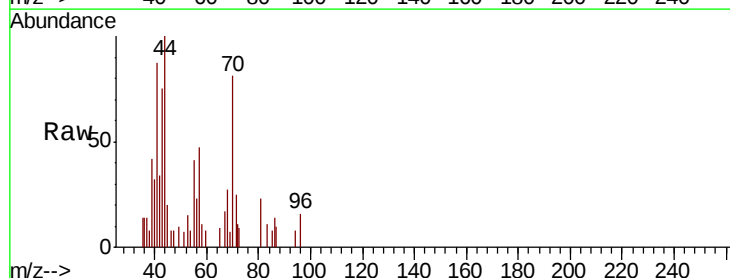
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



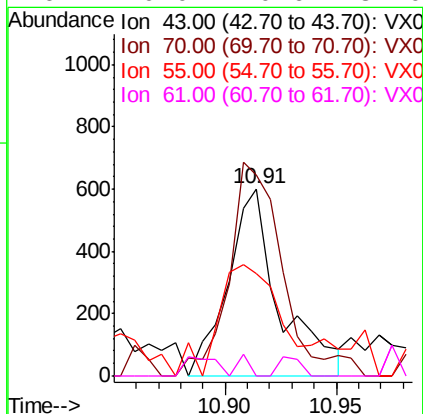
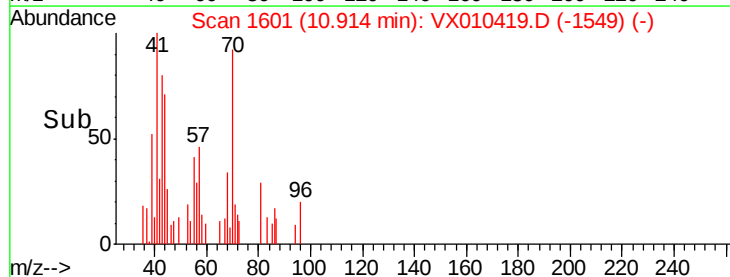
#74

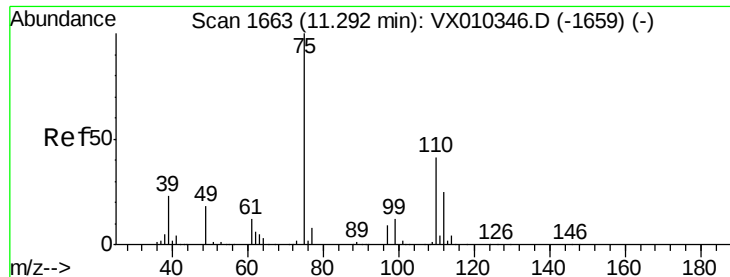
N-ethyl acetate
Concen: 0.213 ug/l
RT: 10.91 min Scan# 1601
Delta R.T. 0.02 min
Lab File: VX010419.D
Acq: 24 Jun 2019 18:11

Tgt Ion: 43 Resp: 973
Ion Ratio Lower Upper
43 100
70 118.1 36.6 54.8#
55 72.3 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: 24.606 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010419.D

Acq: 24 Jun 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

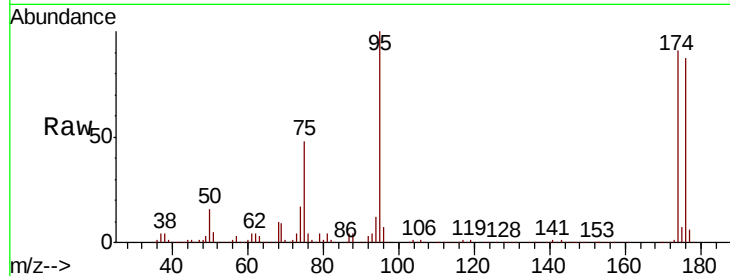
BAT-B11

Tot Ion: 75 Resp: 79779

Ion Ratio Lower Upper

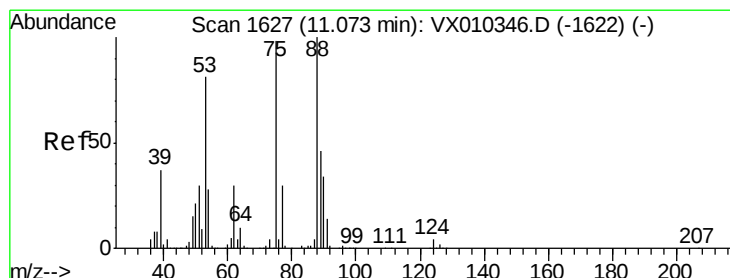
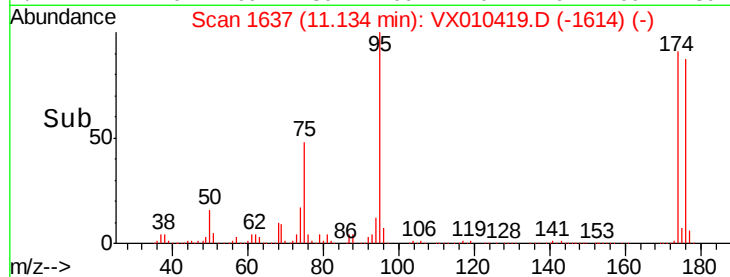
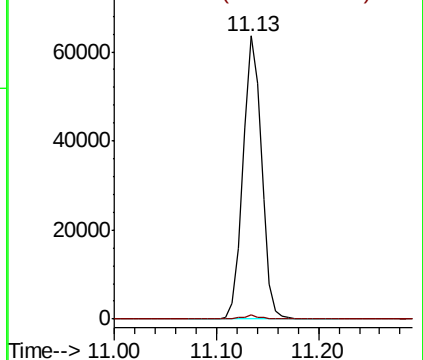
75 100

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: 57.402 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010419.D

Acq: 24 Jun 2019 18:11

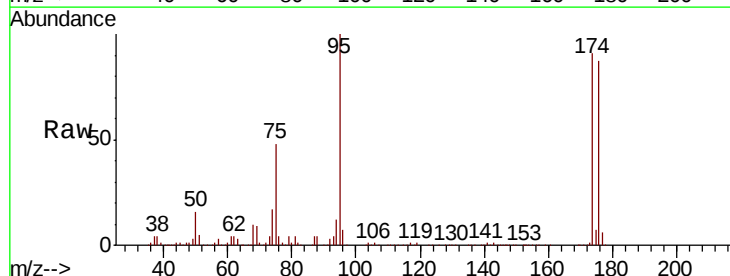
Tgt Ion: 75 Resp: 79779

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

