

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
 Data File : VX010413.D
 Acq On : 24 Jun 2019 15:51
 Operator : JC/SP
 Sample : K3164-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B08

Quant Time: Jun 25 03:38:47 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	5.66	168	274797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	426145	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	375792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175859	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	130837	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	5.50	113	131719	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	8.71	98	502978	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	11.13	95	165539	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	

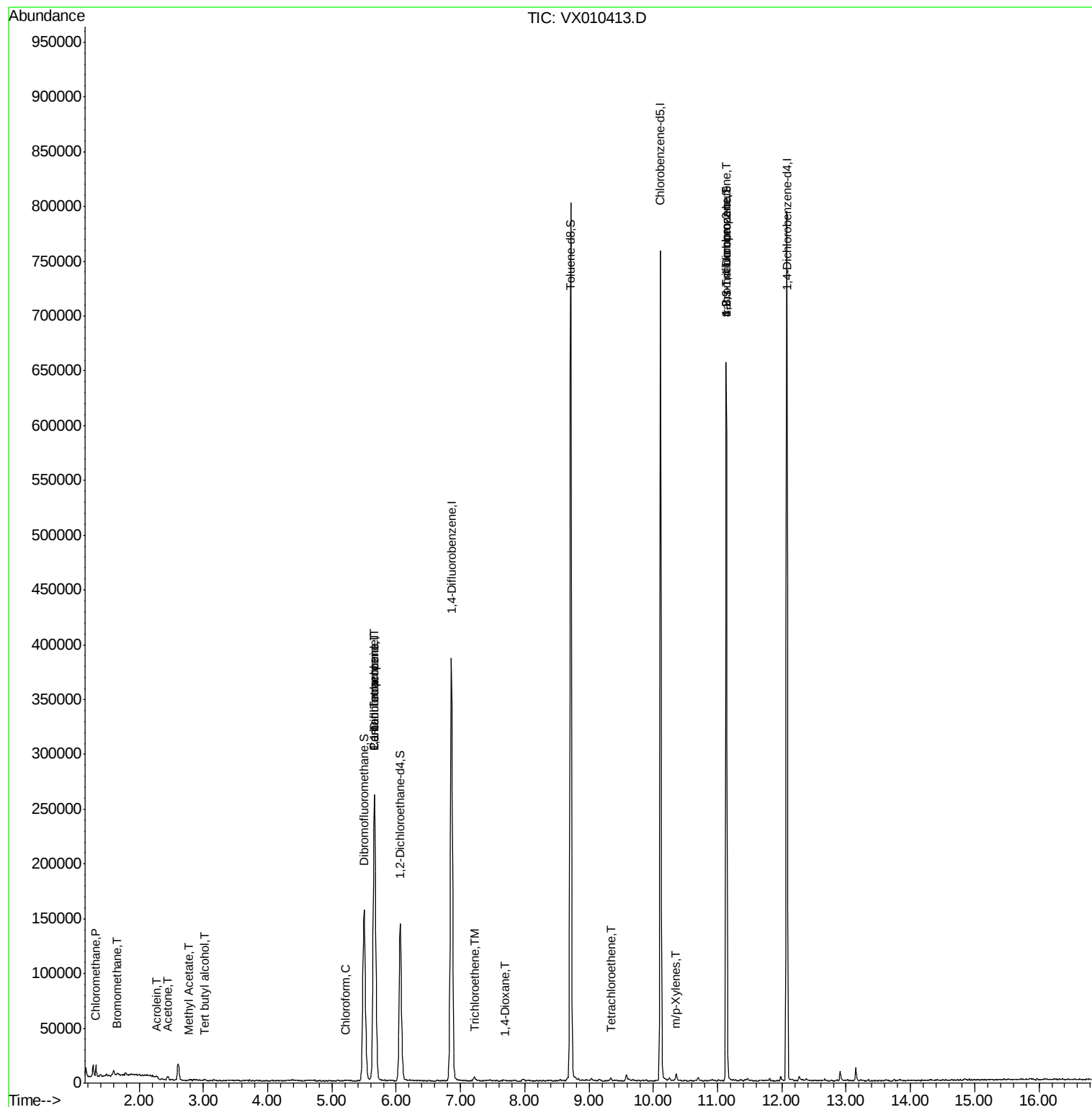
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	7373	3.314	ug/l	91
5) Bromomethane	1.65	94	247	0.208	ug/l	81
11) Tert butyl alcohol	3.02	59	673	0.998	ug/l	97
13) Acrolein	2.28	56	244	0.546	ug/l #	77
16) Acetone	2.45	43	3892	3.014	ug/l	93
18) Methyl Acetate	2.77	43	1179	0.458	ug/l #	87
30) Chloroform	5.21	83	984	0.224	ug/l #	68
36) 1,1-Dichloropropene	5.67	75	17936	5.297	ug/l #	47
38) Carbon Tetrachloride	5.67	117	24670	6.728	ug/l #	16
44) Trichloroethene	7.21	130	1485	0.470	ug/l	92
49) 1,4-Dioxane	7.70	88	19	0.246	ug/l #	28
64) Tetrachloroethene	9.34	164	632	0.208	ug/l	92
68) m/p-Xylenes	10.36	106	1351	0.271	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	78288	24.430	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78288	56.992	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010413.D

Acq: 24 Jun 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

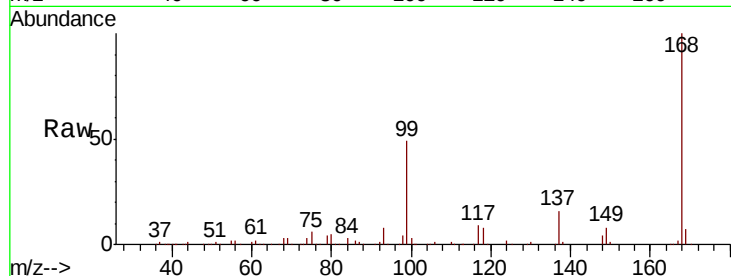
BAT-B08

Tot Ion:168 Resp: 274797

Ion Ratio Lower Upper

168 100

99 48.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

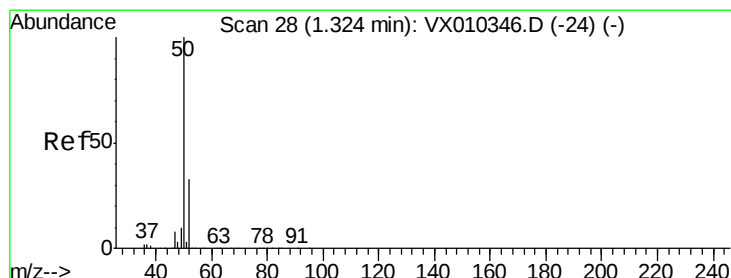
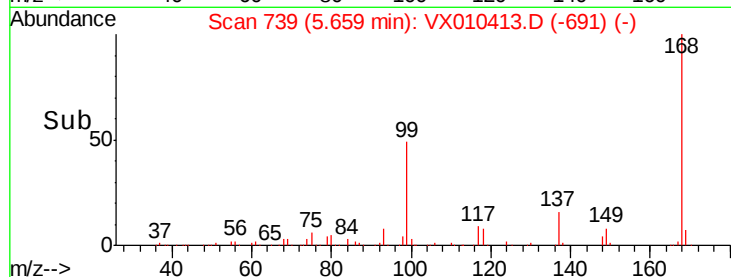
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 3.314 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010413.D

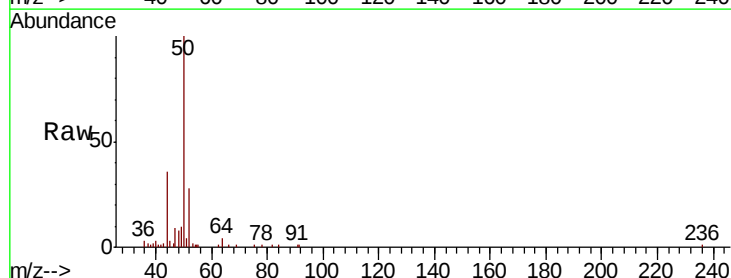
Acq: 24 Jun 2019 15:51

Tgt Ion: 50 Resp: 7373

Ion Ratio Lower Upper

50 100

52 28.3 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

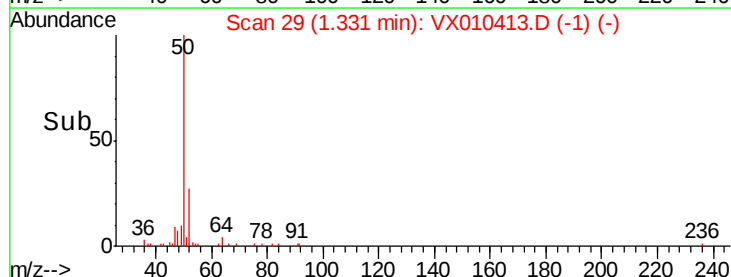
6000

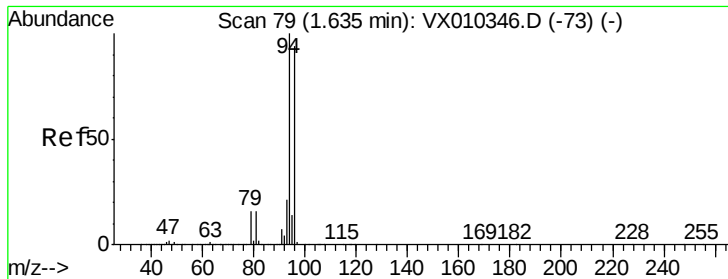
4000

2000

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.208 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010413.D

Acq: 24 Jun 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

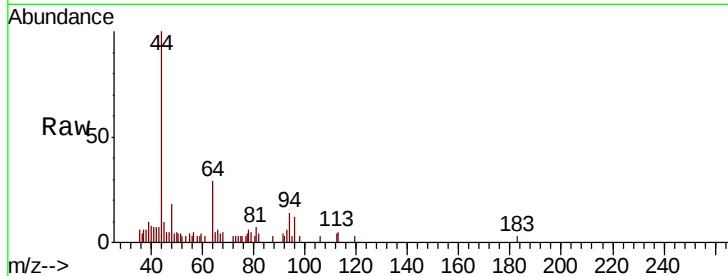
BAT-B08

Tot Ion: 94 Resp: 247

Ion Ratio Lower Upper

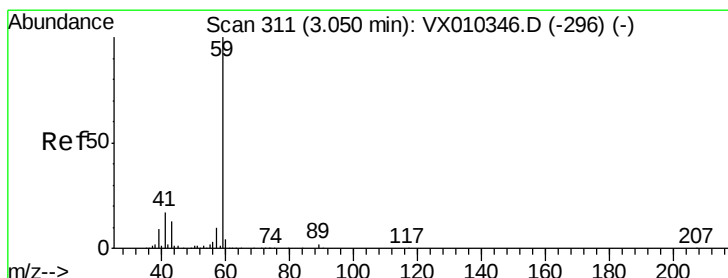
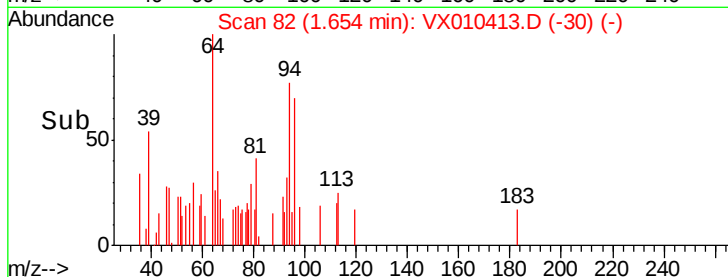
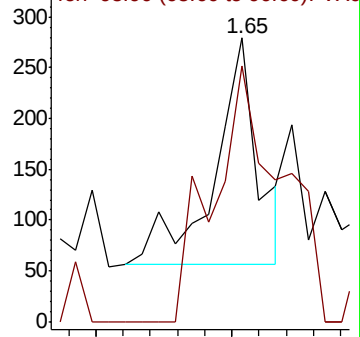
94 100

96 113.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.998 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010413.D

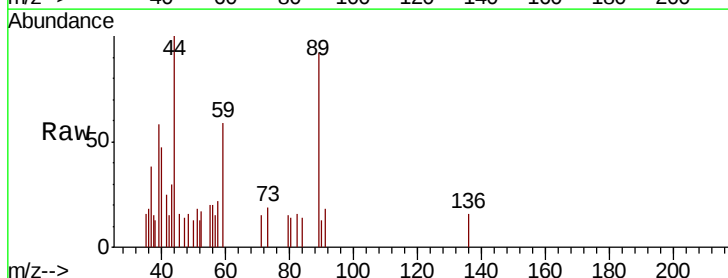
Acq: 24 Jun 2019 15:51

Tgt Ion: 59 Resp: 673

Ion Ratio Lower Upper

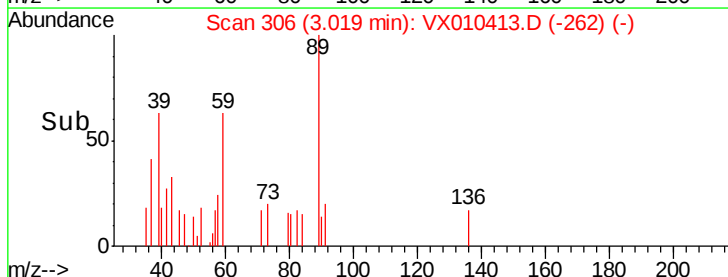
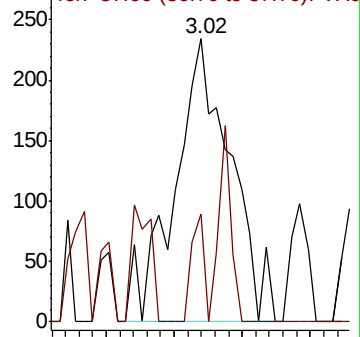
59 100

57 8.5 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.546 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010413.D

Acq: 24 Jun 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

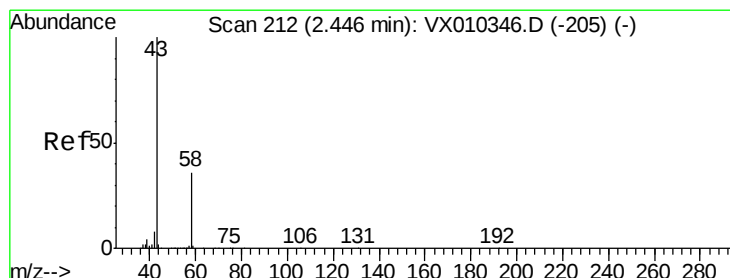
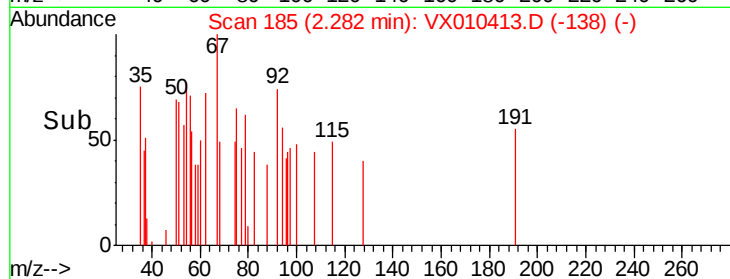
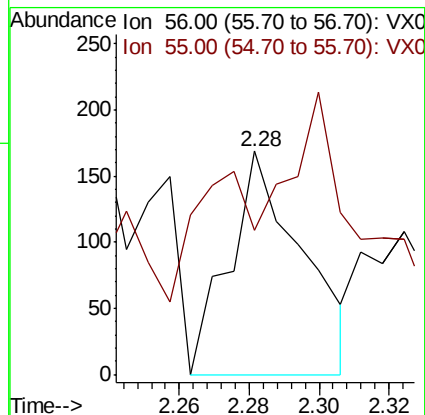
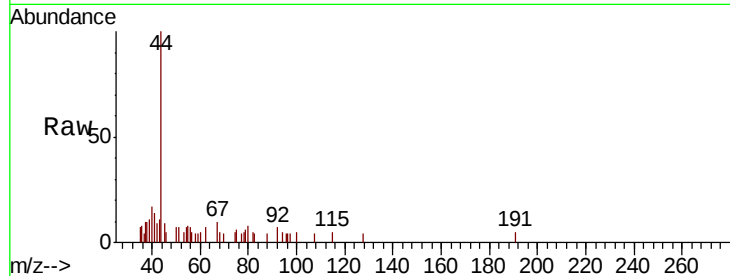
BAT-B08

Tot Ion: 56 Resp: 244

Ion Ratio Lower Upper

56 100

55 52.0 56.9 85.3#



#16

Acetone

Concen: 3.014 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010413.D

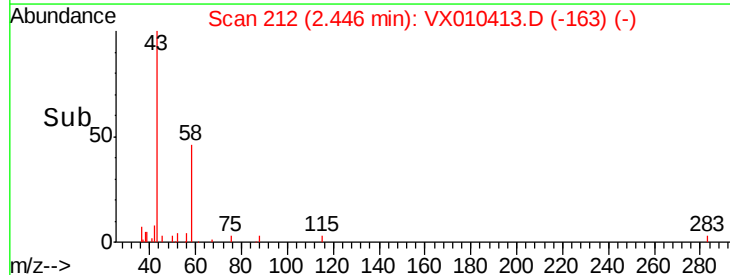
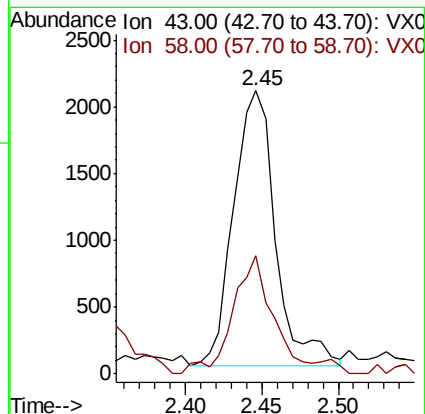
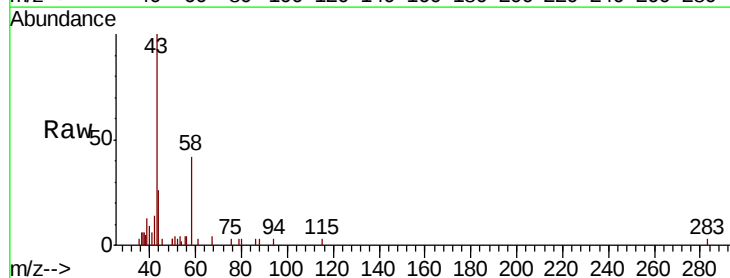
Acq: 24 Jun 2019 15:51

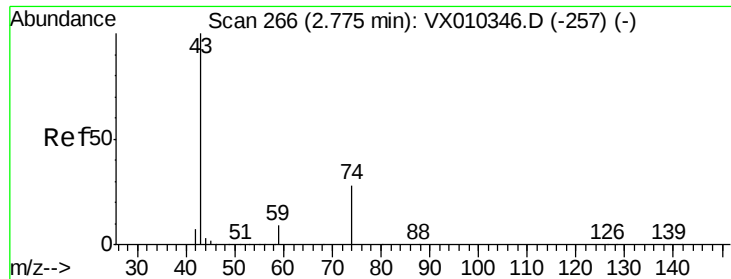
Tgt Ion: 43 Resp: 3892

Ion Ratio Lower Upper

43 100

58 40.4 28.9 43.3

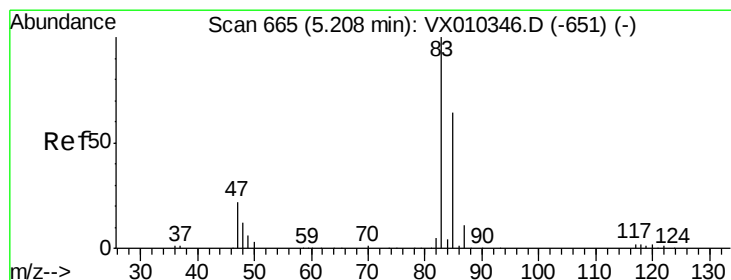
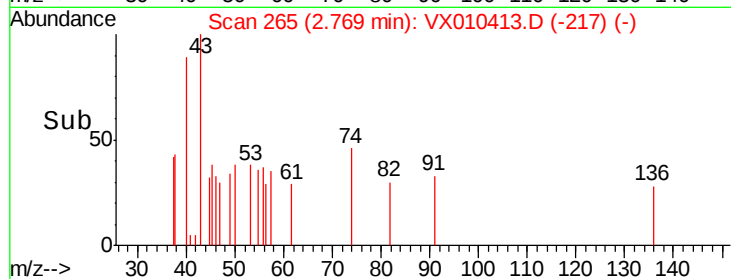
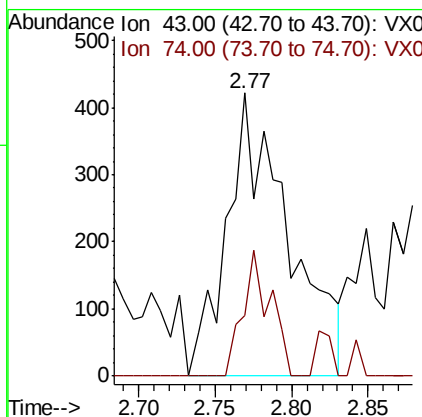
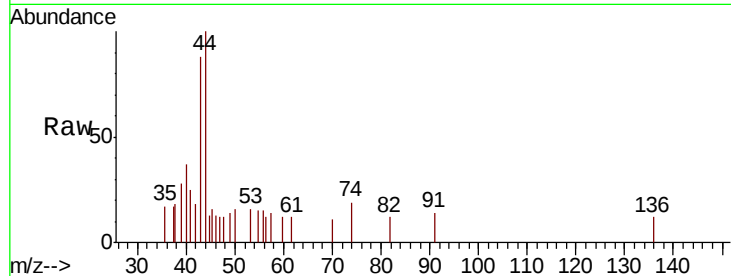




#18
Methvl Acetate
Concen: 0.458 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010413.D
Acq: 24 Jun 2019 15:51

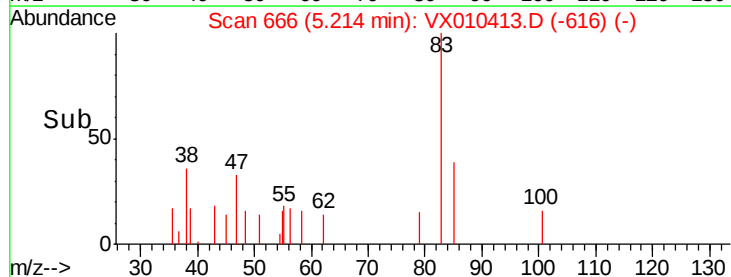
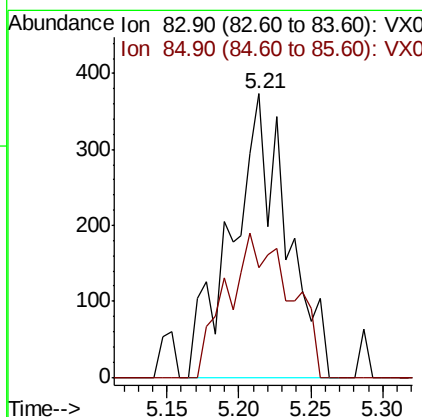
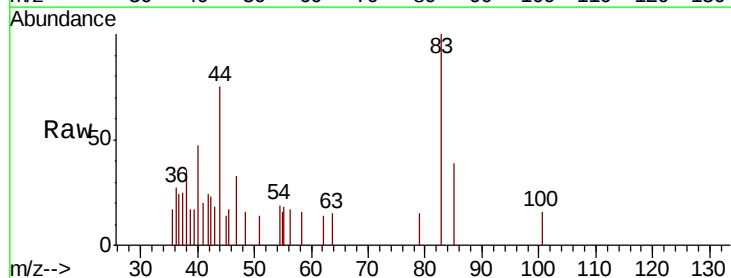
Instrument :
MSVOA_X
ClientSampleId :
BAT-B08

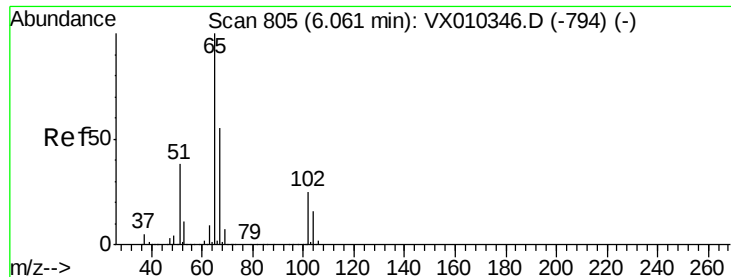
Tot Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
74 19.9 21.3 31.9#



#30
Chloroform
Concen: 0.224 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010413.D
Acq: 24 Jun 2019 15:51

Tgt Ion: 83 Resp: 984
Ion Ratio Lower Upper
83 100
85 38.9 50.9 76.3#





#33

1,2-Dichloroethane-d4

Concen: 50.781 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010413.D

Acq: 24 Jun 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

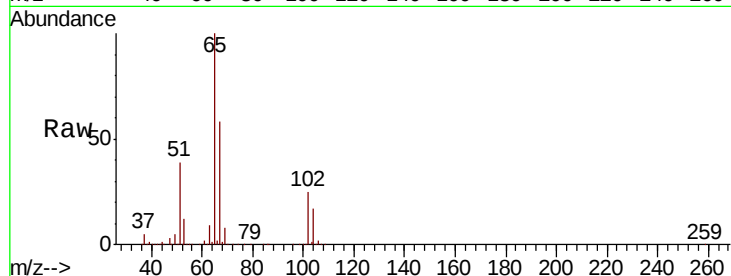
BAT-B08

Tot Ion: 65 Resp: 130837

Ion Ratio Lower Upper

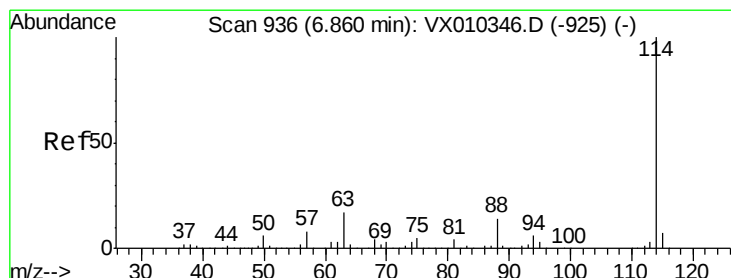
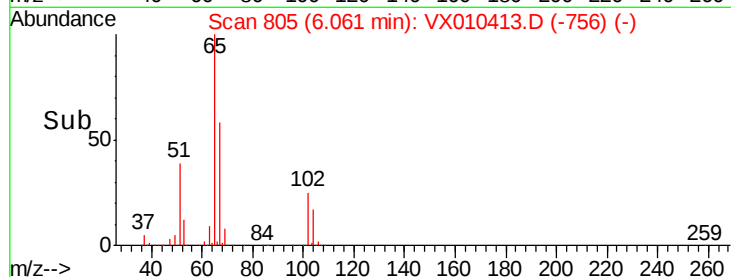
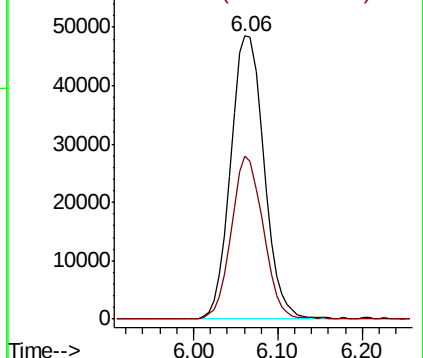
65 100

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: VX010413.D

Acq: 24 Jun 2019 15:51

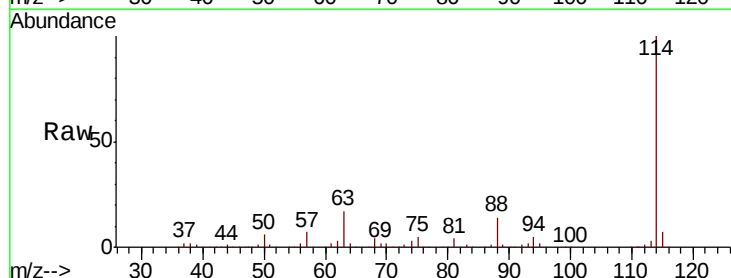
Tgt Ion: 114 Resp: 426145

Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

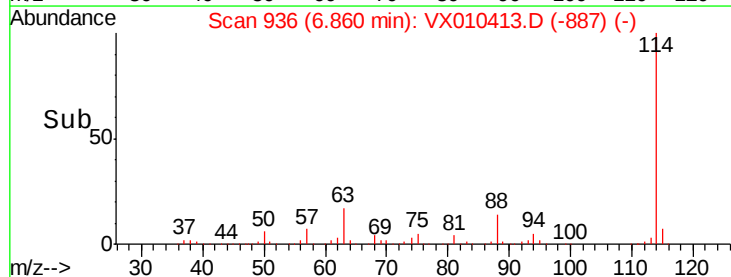
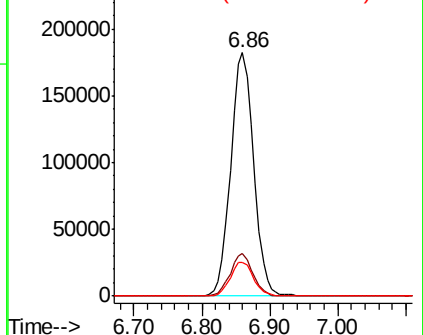
88 13.9 0.0 27.6

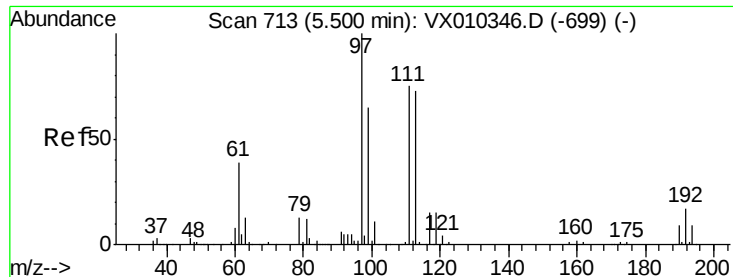


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

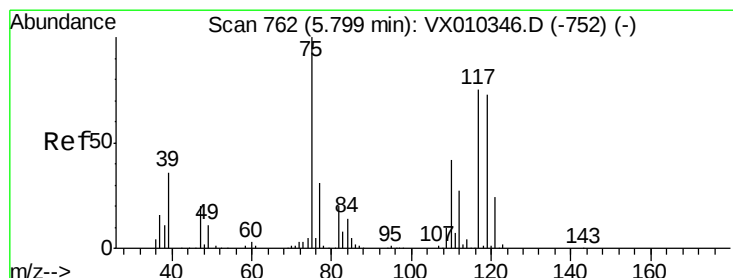
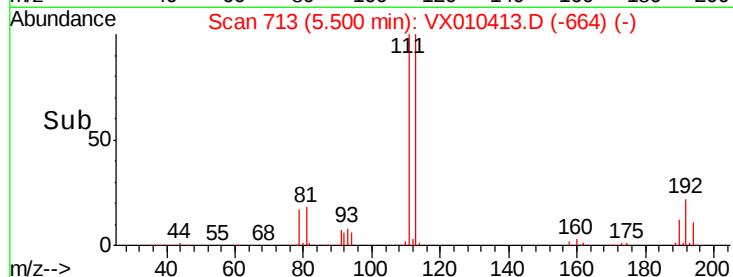
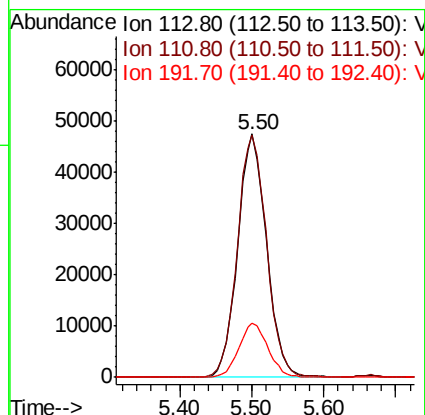
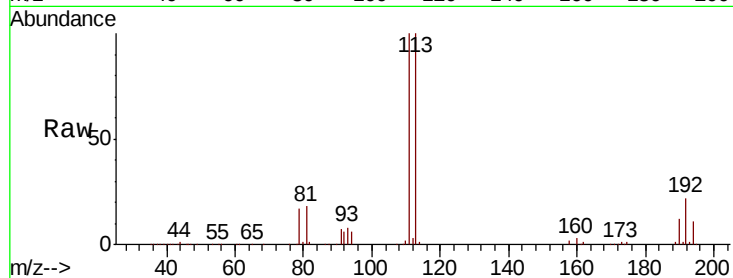




#35
 Dibromofluoromethane
 Concen: 50.519 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010413.D
 Acq: 24 Jun 2019 15:51

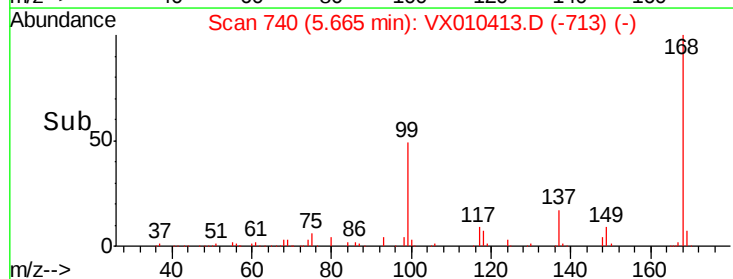
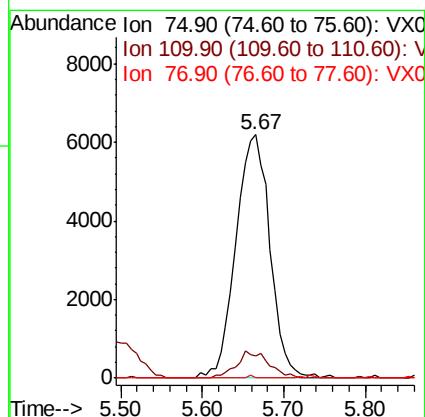
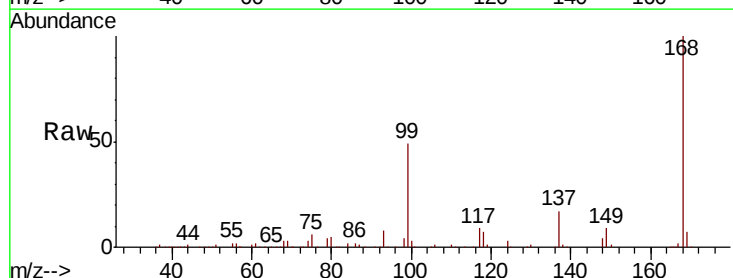
Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B08

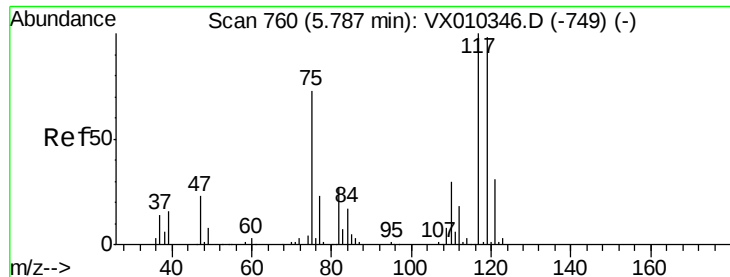
Tot Ion:113 Resp: 131719
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.2 121.8
 192 22.5 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.297 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010413.D
 Acq: 24 Jun 2019 15:51

Tgt Ion: 75 Resp: 17936
 Ion Ratio Lower Upper
 75 100
 110 10.4 20.8 62.2#
 77 0.1 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.728 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010413.D

Acq: 24 Jun 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

BAT-B08

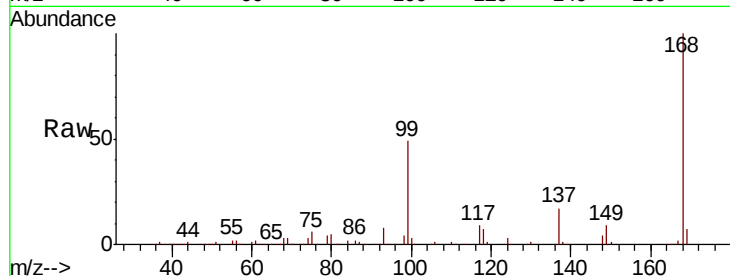
Tot Ion:117 Resp: 24670

Ion Ratio Lower Upper

117 100

119 6.6 78.2 117.4#

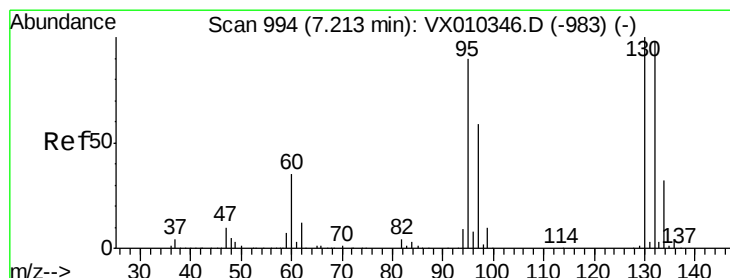
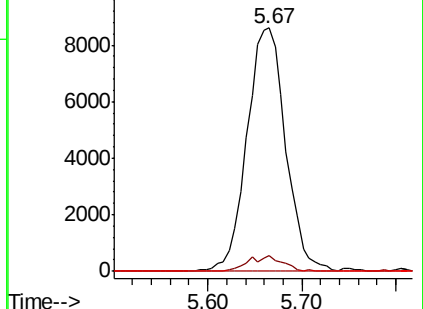
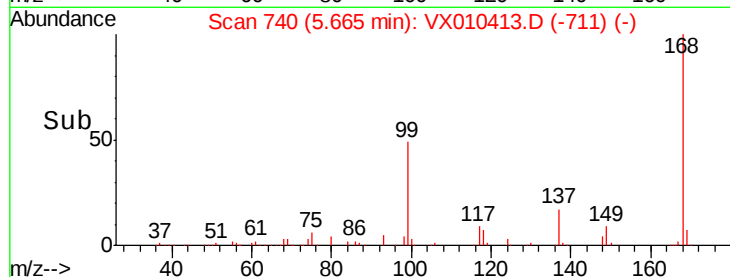
121 0.0 24.7 37.1#



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: 0.470 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010413.D

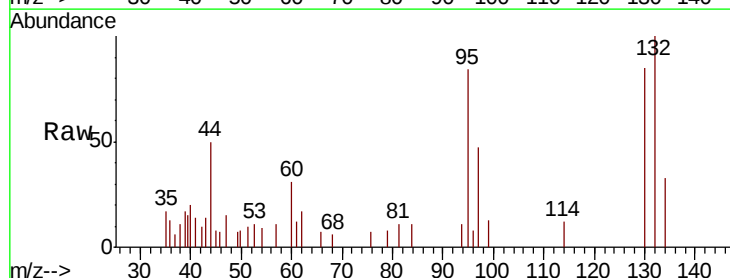
Acq: 24 Jun 2019 15:51

Tgt Ion:130 Resp: 1485

Ion Ratio Lower Upper

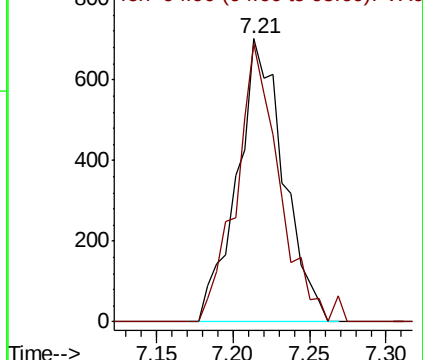
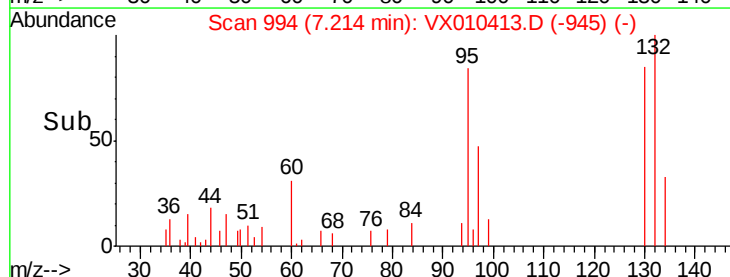
130 100

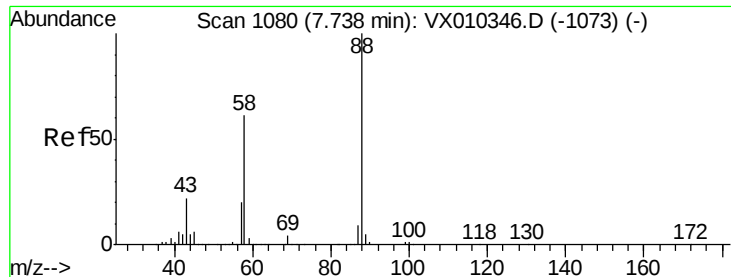
95 98.3 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

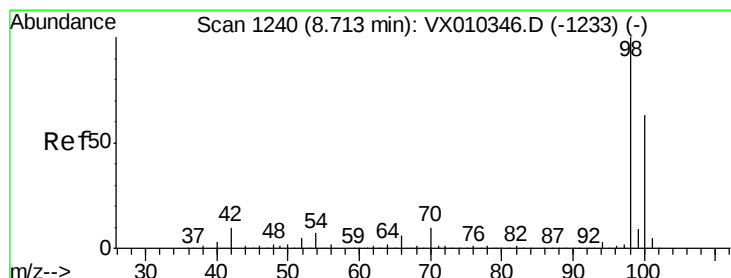
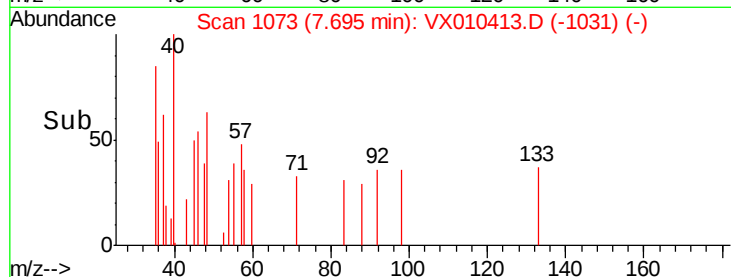
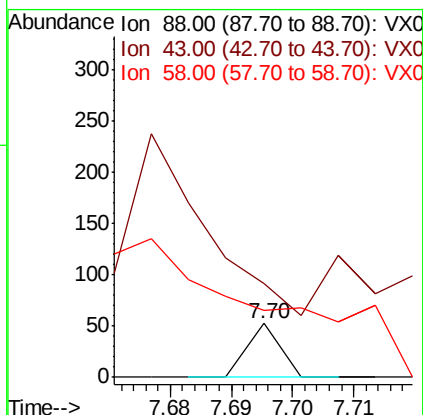
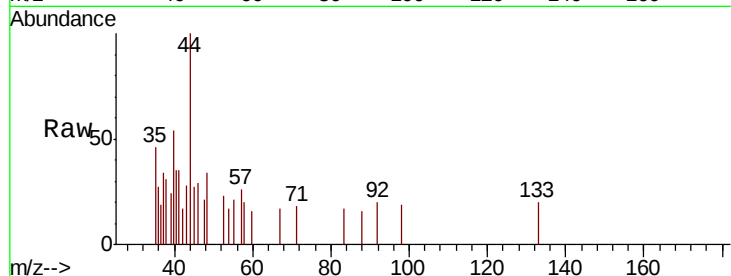




#49
1,4-Dioxane
Concen: 0.246 ug/l
RT: 7.70 min Scan# 1073
Delta R.T. -0.04 min
Lab File: VX010413.D
Acq: 24 Jun 2019 15:51

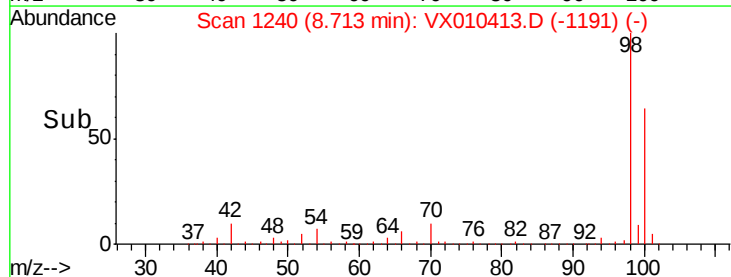
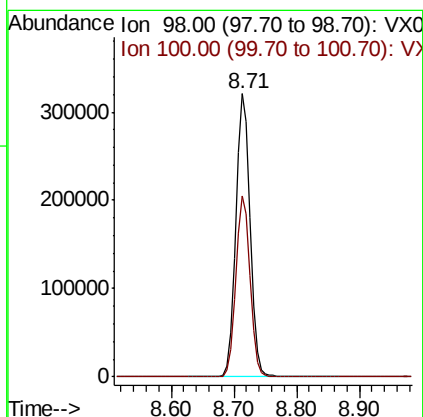
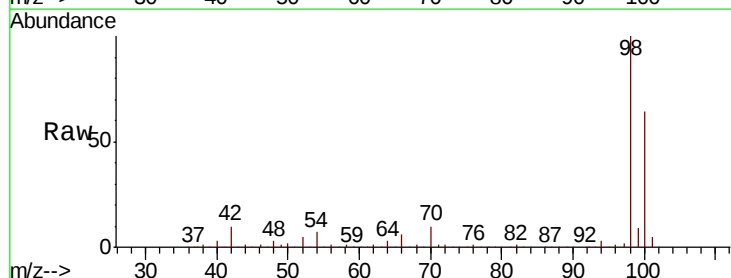
Instrument :
MSVOA_X
ClientSampled :
BAT-B08

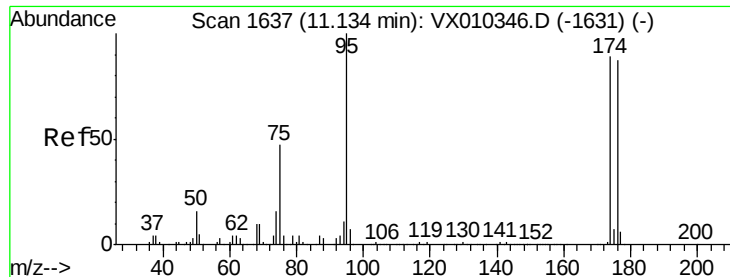
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#



#50
Toluene-d8
Concen: 50.424 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010413.D
Acq: 24 Jun 2019 15:51

Tgt Ion: 98 Resp: 502978
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 45.967 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010413.D

Acq: 24 Jun 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

BAT-B08

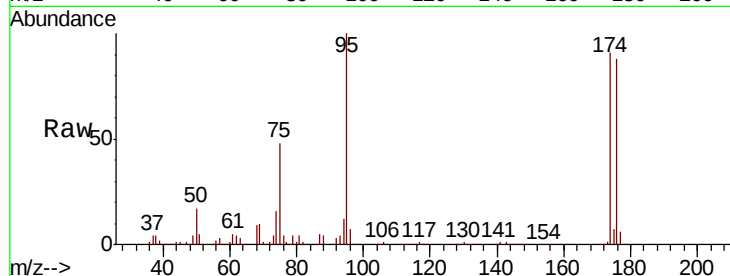
Tot Ion: 95 Resp: 165539

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.6

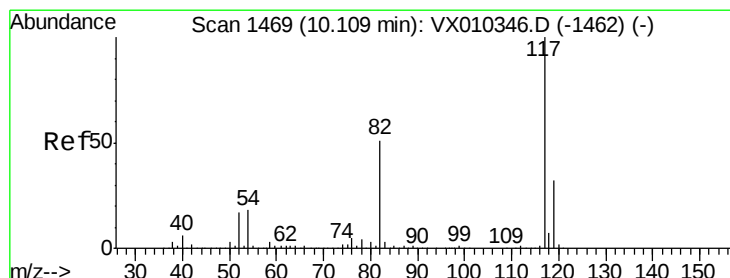
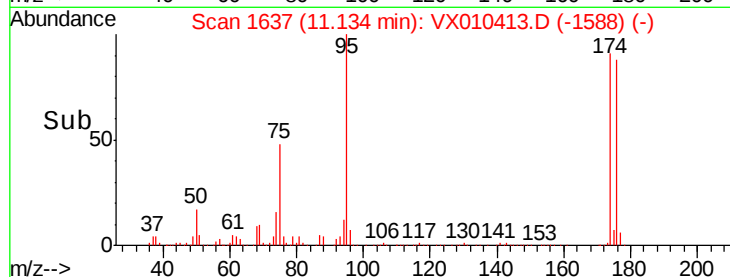
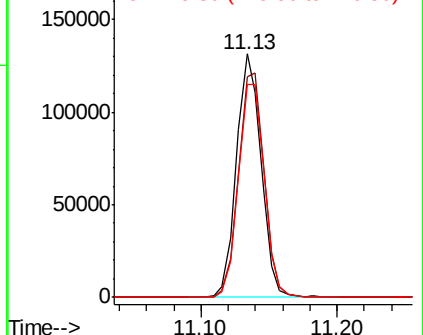
176 92.7 0.0 184.0



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: VX010413.D

Acq: 24 Jun 2019 15:51

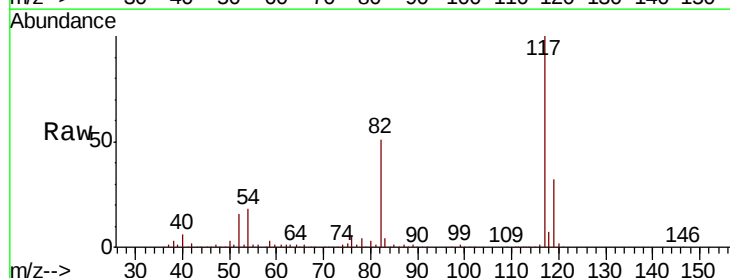
Tgt Ion: 117 Resp: 375792

Ion Ratio Lower Upper

117 100

82 51.0 41.2 61.8

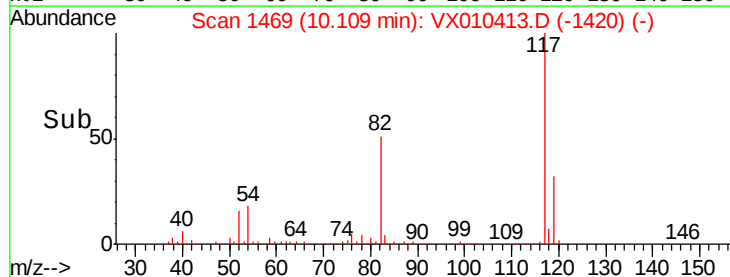
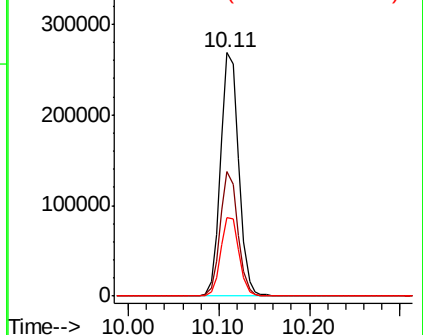
119 32.4 25.5 38.3

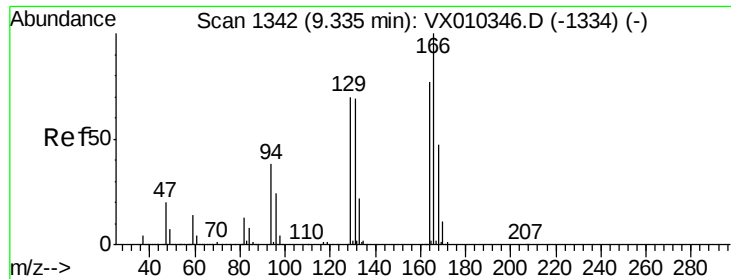


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.208 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VX010413.D

Acq: 24 Jun 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

BAT-B08

Tot Ion:164 Resp: 632

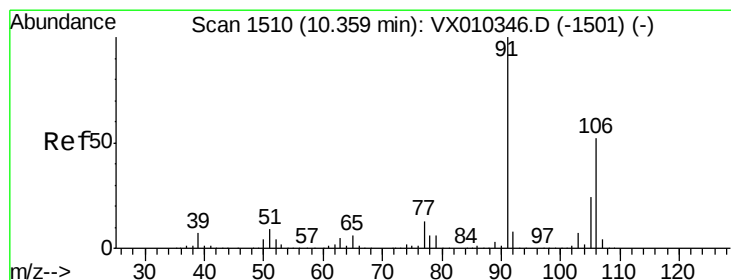
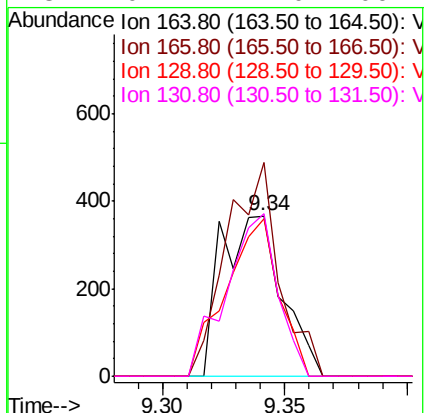
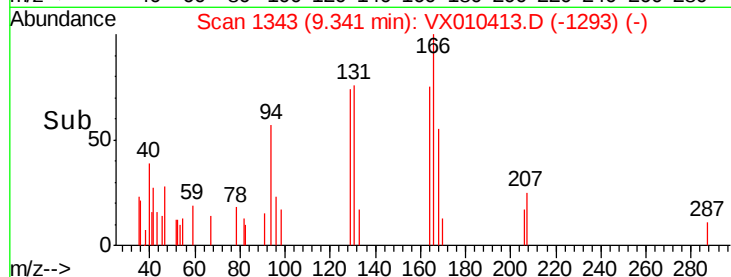
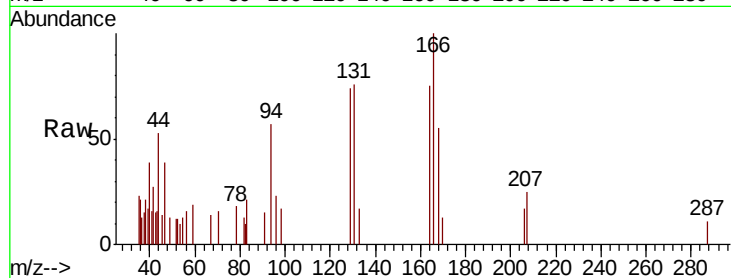
Ion Ratio Lower Upper

164 100

166 133.3 103.6 155.4

129 98.6 73.0 109.4

131 101.4 71.0 106.4



#68

m/p-Xylenes

Concen: 0.271 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010413.D

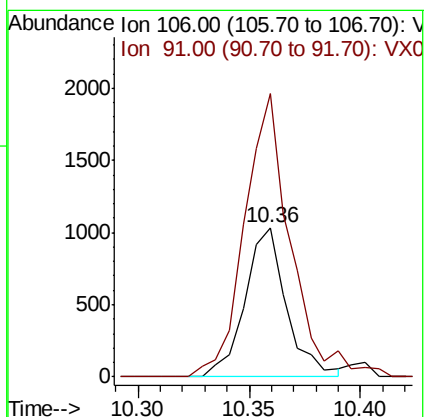
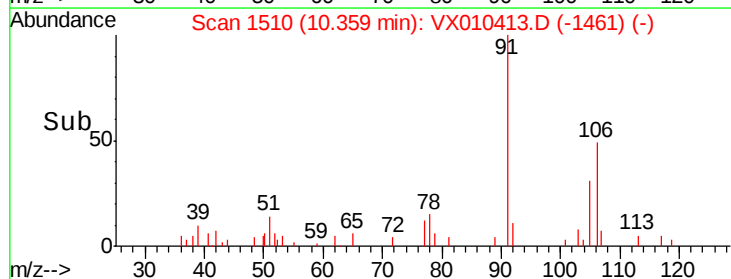
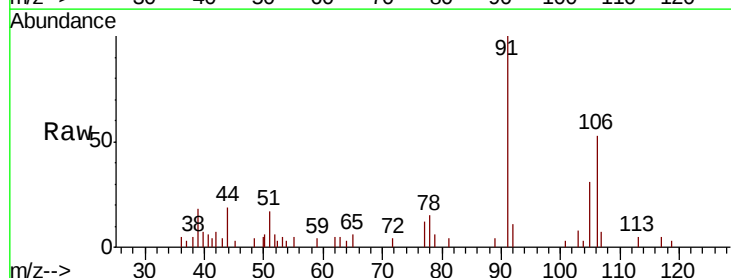
Acq: 24 Jun 2019 15:51

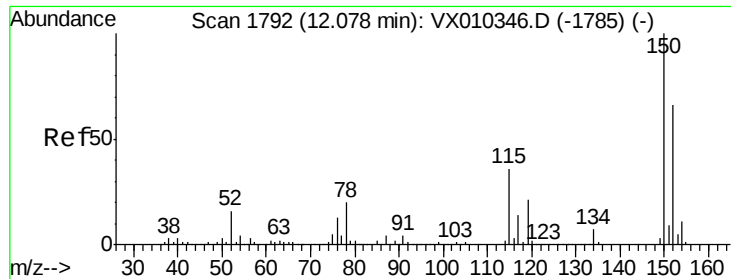
Tgt Ion:106 Resp: 1351

Ion Ratio Lower Upper

106 100

91 209.3 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010413.D

Acq: 24 Jun 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

BAT-B08

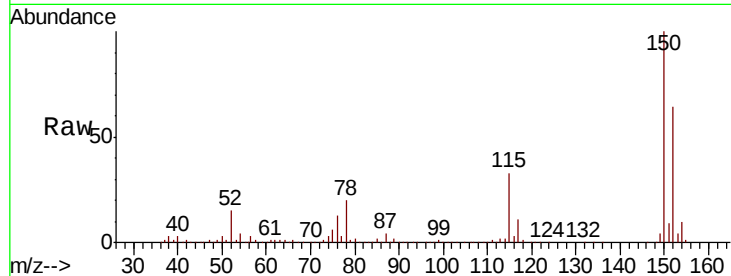
Tot Ion:152 Resp: 175859

Ion Ratio Lower Upper

152 100

115 55.2 38.6 115.7

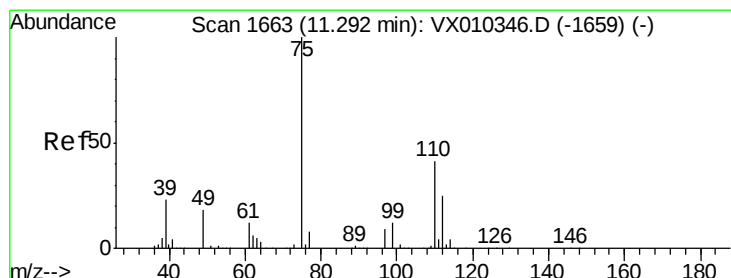
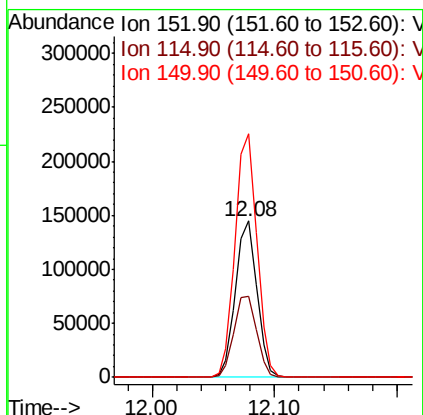
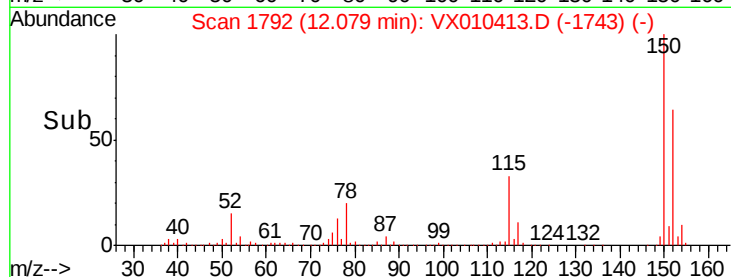
150 157.7 0.0 347.4



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: 24.430 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010413.D

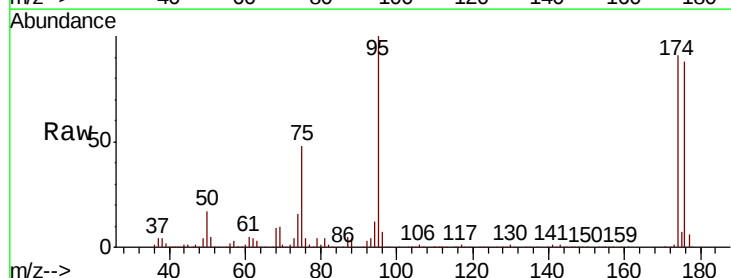
Acq: 24 Jun 2019 15:51

Tgt Ion: 75 Resp: 78288

Ion Ratio Lower Upper

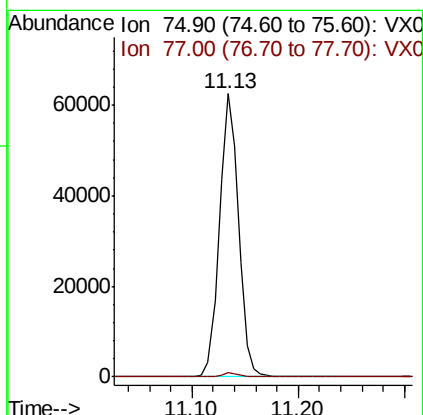
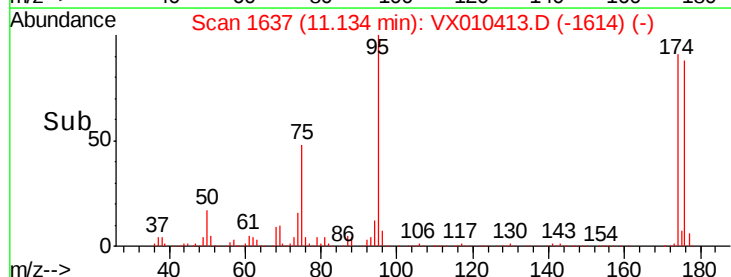
75 100

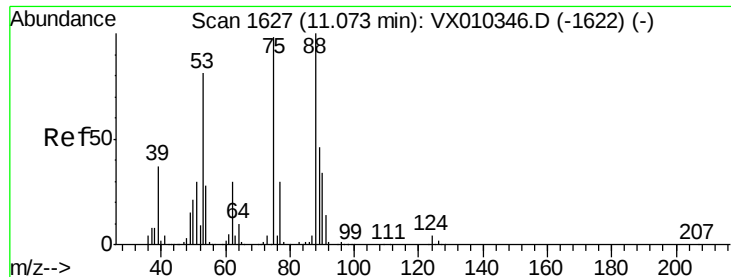
77 1.2 22.6 67.8#



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: 56.992 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010413.D

Acq: 24 Jun 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

BAT-B08

Tot Ion: 75 Resp: 78288

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.0 37.8 56.6#

