

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051818\
 Data File : VX001811.D
 Acq On : 18 May 2018 06:54
 Operator : JC/MD
 Sample : VX0518WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBL01

Quant Time: May 18 07:25:06 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 07:23:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	59524	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	244726	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	183387	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	117530	30.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.83%
60) 4-Bromofluorobenzene	11.14	95	71779	26.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.77%
63) Toluene-d8	8.72	98	265191	28.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.37%

Target Compounds

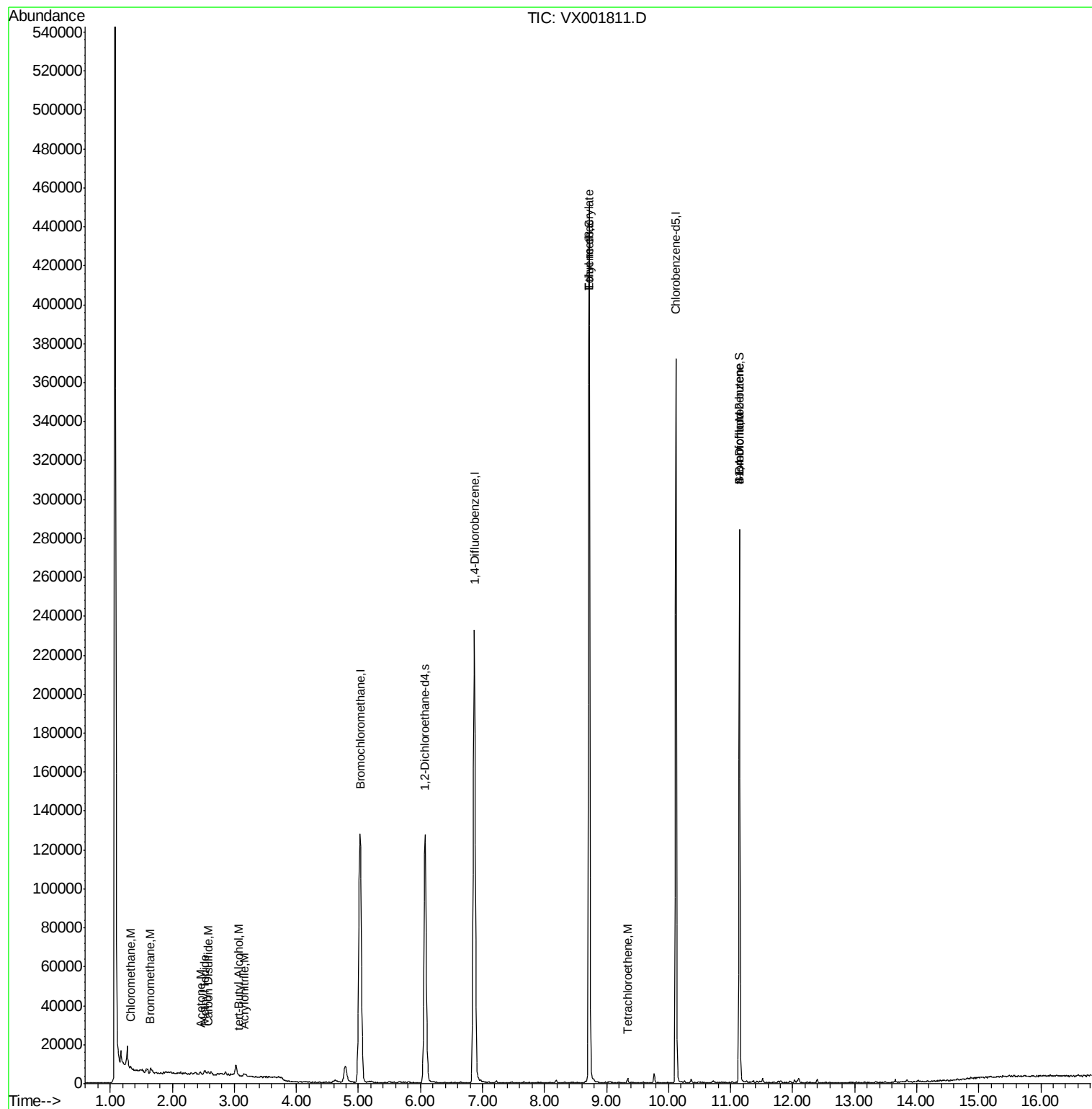
						Qvalue
3) Chloromethane	1.32	50	632	0.20	ug/l #	83
5) Bromomethane	1.65	94	2013	1.20	ug/l	92
11) Methyl Iodide	2.52	142	2211	0.67	ug/l	95
14) Acrylonitrile	3.16	53	650	0.33	ug/l	88
15) Acetone	2.45	58	534	1.01	ug/l #	26
16) Carbon Disulfide	2.57	76	1622	0.31	ug/l #	92
23) tert-Butyl Alcohol	3.07	59	271	0.34	ug/l #	93
51) Ethyl methacrylate	8.73	69	898	0.23	ug/l	92
56) Bromoform	11.15	173	914	0.40	ug/l #	1
61) Tetrachloroethene	9.34	164	541	0.20	ug/l #	69
77) t-1,4-Dichloro-2-butene	11.14	75	34026	43.40	ug/l #	4

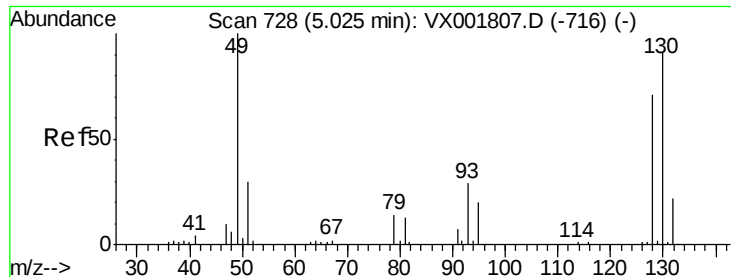
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051818\
Data File : VX001811.D
Acq On : 18 May 2018 06:54
Operator : JC/MD
Sample : VX0518WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBL01

Quant Time: May 18 07:25:06 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 18 07:23:20 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001811.D

Acq: 18 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBL01

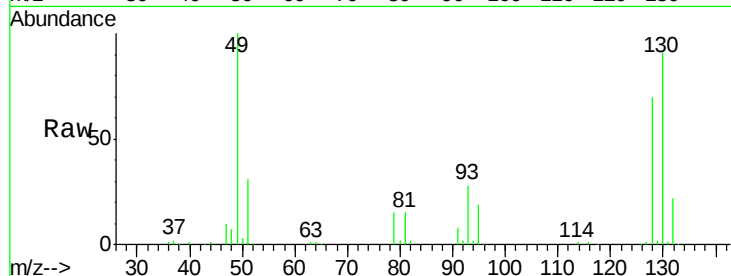
Tgt Ion:128 Resp: 59524

Ion Ratio Lower Upper

128 100

49 140.9 0.0 352.3

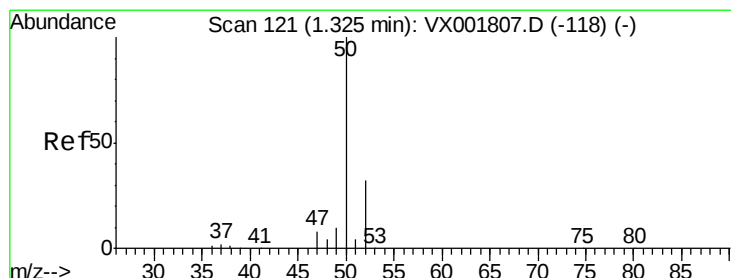
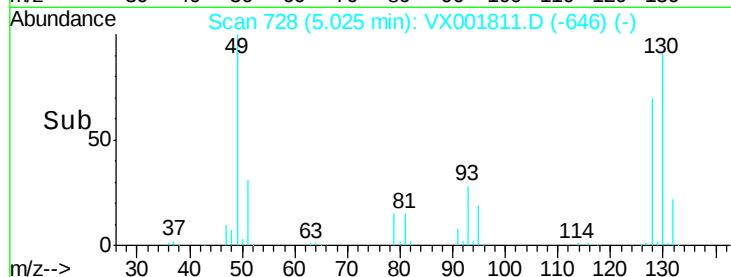
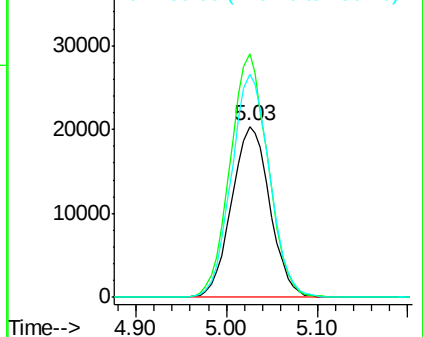
130 130.4 0.0 323.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.20 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001811.D

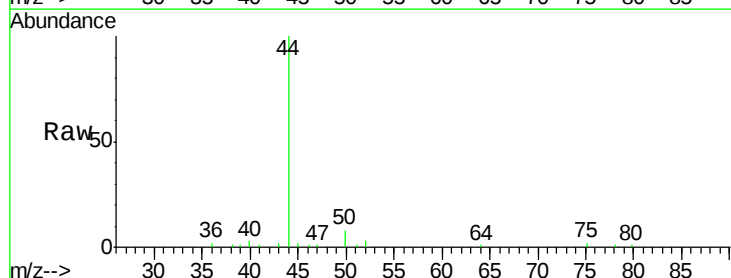
Acq: 18 May 2018 06:54

Tgt Ion: 50 Resp: 632

Ion Ratio Lower Upper

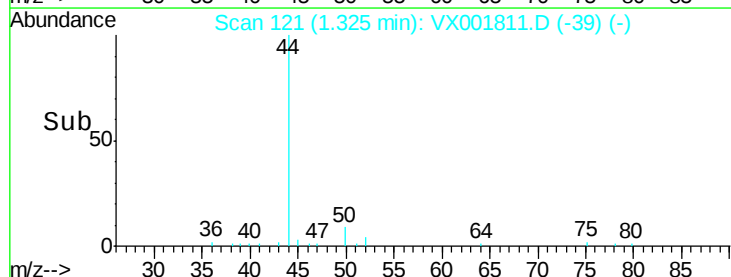
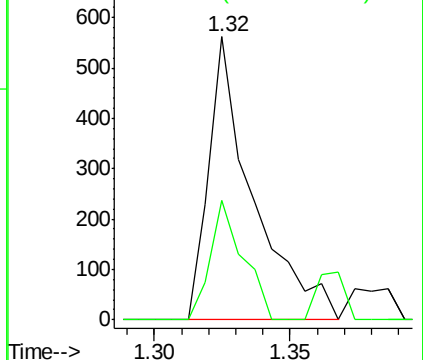
50 100

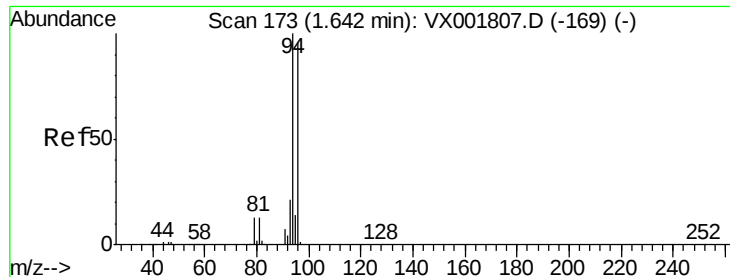
52 42.2 26.0 39.0#



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 1.20 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001811.D

Acq: 18 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

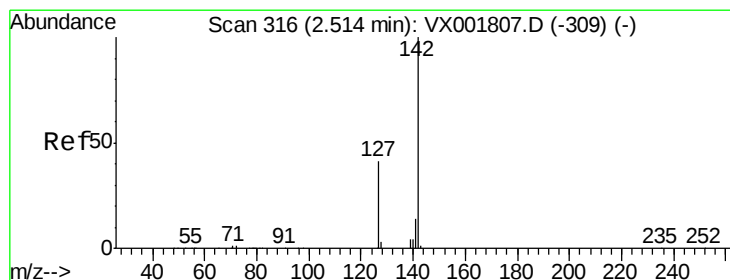
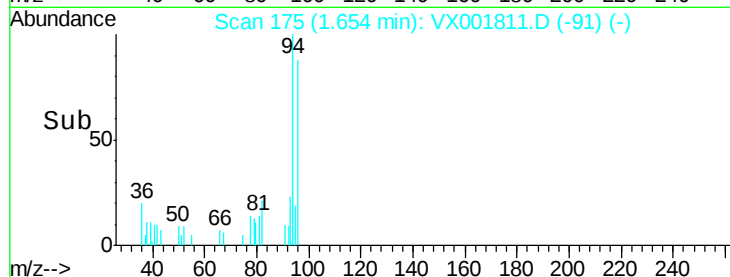
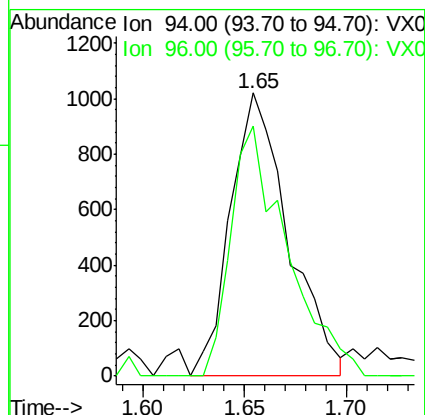
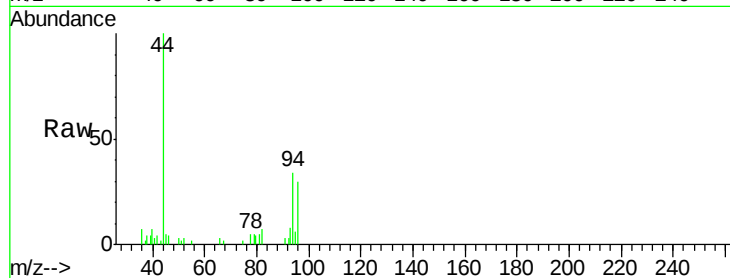
VX0518WBL01

Tgt Ion: 94 Resp: 2013

Ion Ratio Lower Upper

94 100

96 88.2 76.6 115.0



#11

Methyl Iodide

Concen: 0.67 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001811.D

Acq: 18 May 2018 06:54

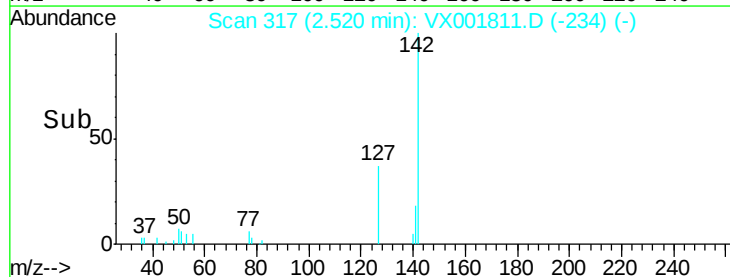
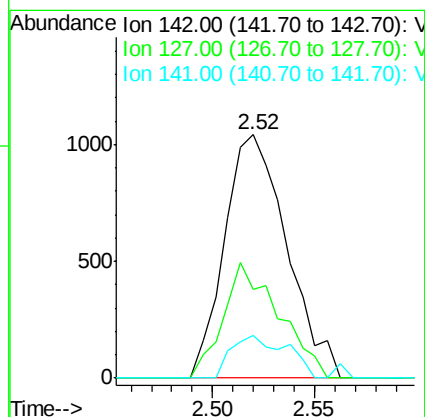
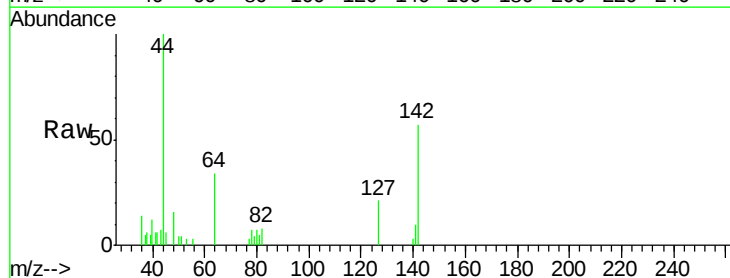
Tgt Ion: 142 Resp: 2211

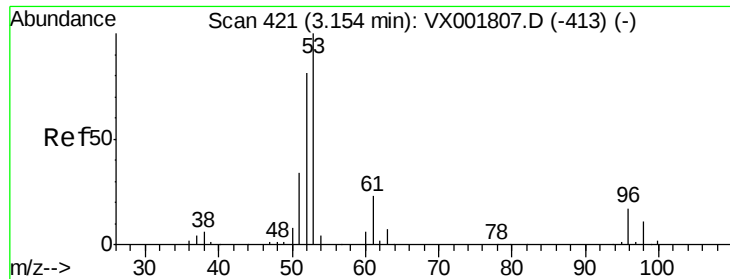
Ion Ratio Lower Upper

142 100

127 36.5 20.3 61.0

141 14.7 7.0 21.1

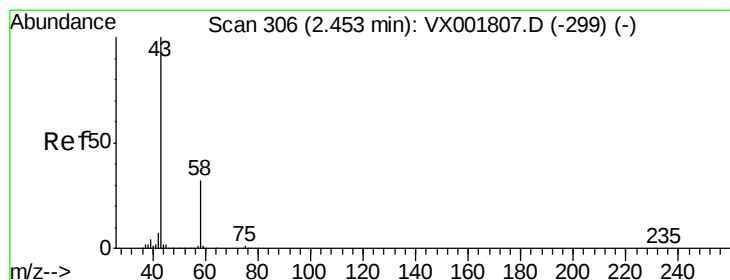
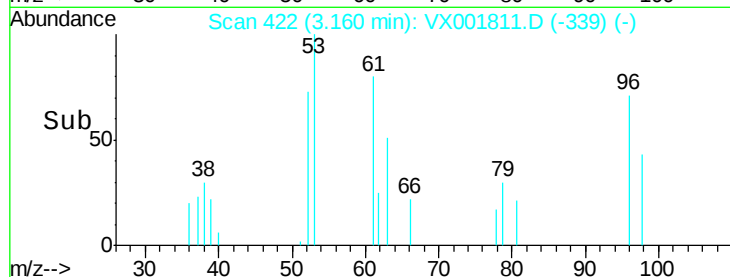
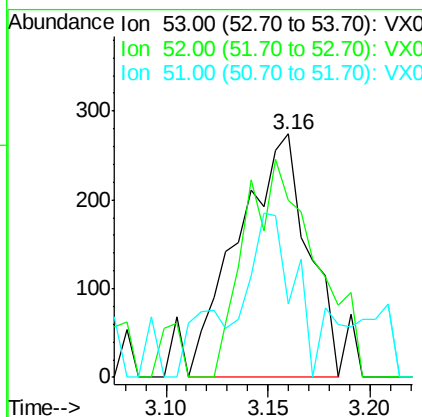
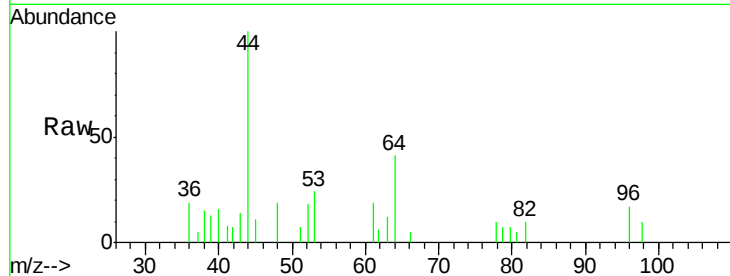




#14
Acrylonitrile
Concen: 0.33 ug/l
RT: 3.16 min Scan# 422
Delta R.T. 0.01 min
Lab File: VX001811.D
Acq: 18 May 2018 06:54

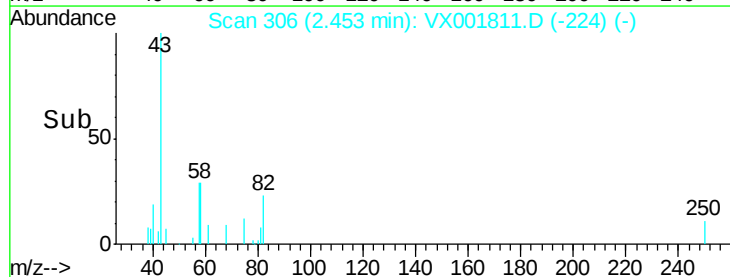
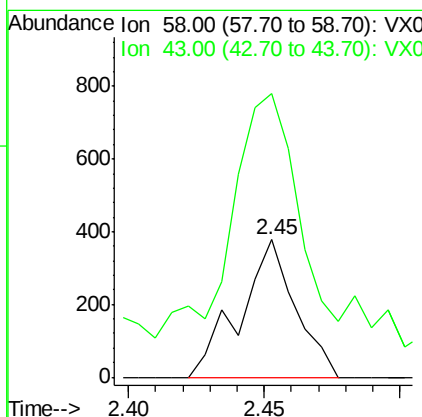
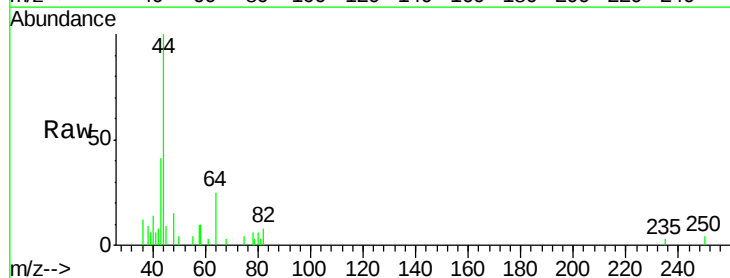
Instrument :
MSVOA_X
ClientSampleId :
VX0518WBL01

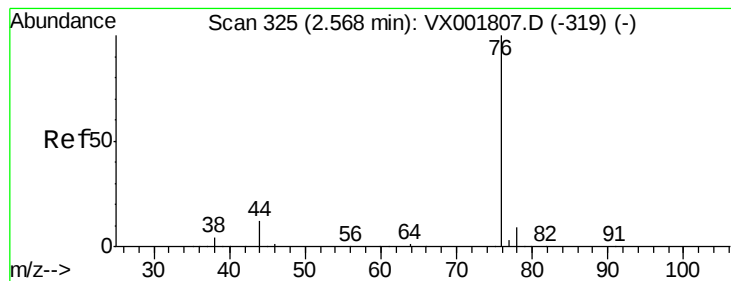
Tgt Ion: 53 Resp: 650
Ion Ratio Lower Upper
53 100
52 91.5 40.7 122.1
51 43.1 17.4 52.3



#15
Acetone
Concen: 1.01 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX001811.D
Acq: 18 May 2018 06:54

Tgt Ion: 58 Resp: 534
Ion Ratio Lower Upper
58 100
43 165.9 252.1 378.1#





#16

Carbon Disulfide

Concen: 0.31 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001811.D

Acq: 18 May 2018 06:54

Instrument :

MSVOA_X

ClientSampled :

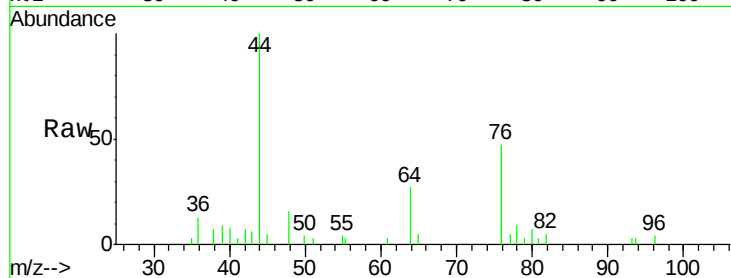
VX0518WBL01

Tgt Ion: 76 Resp: 1622

Ion Ratio Lower Upper

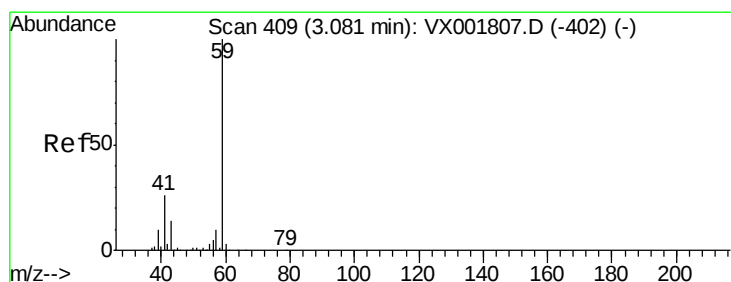
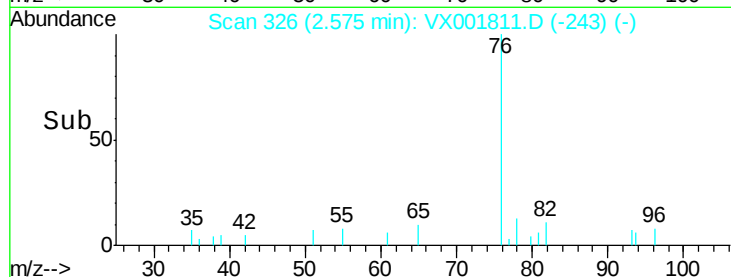
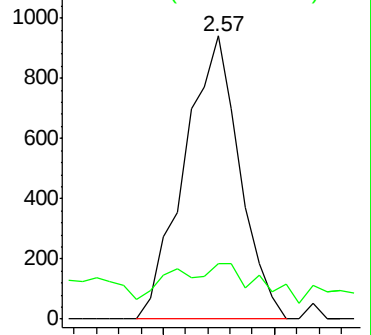
76 100

78 12.4 7.5 11.3#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



#23

tert-Butyl Alcohol

Concen: 0.34 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX001811.D

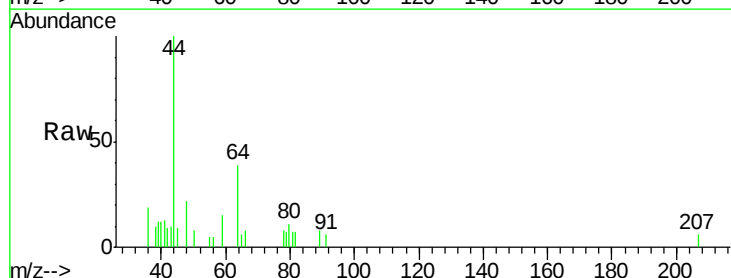
Acq: 18 May 2018 06:54

Tgt Ion: 59 Resp: 271

Ion Ratio Lower Upper

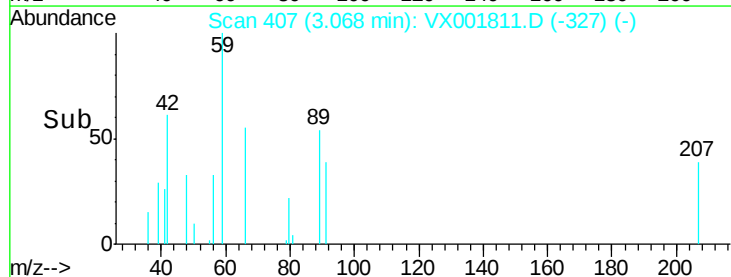
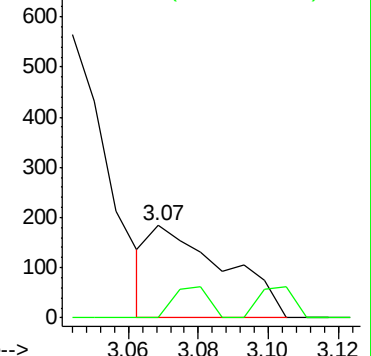
59 100

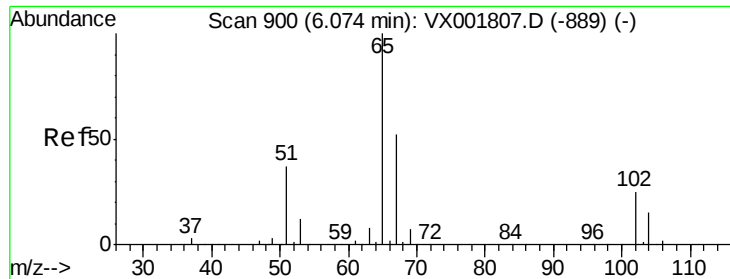
52 16.2 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

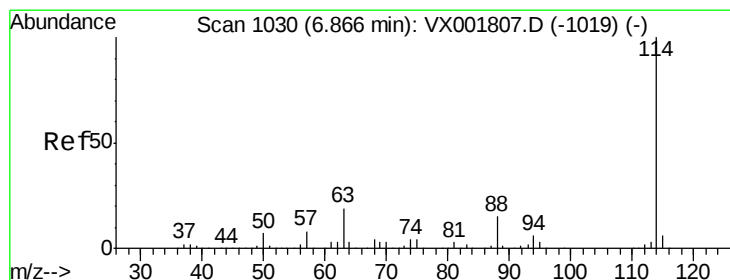
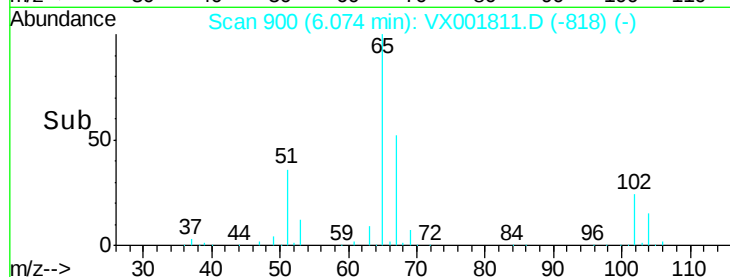
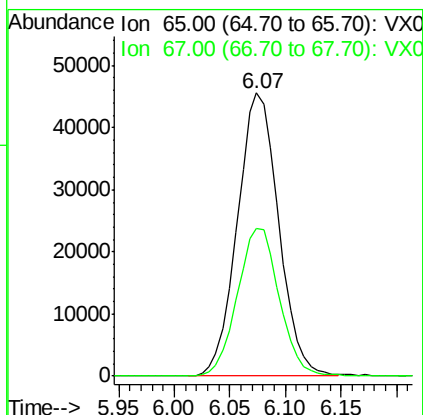
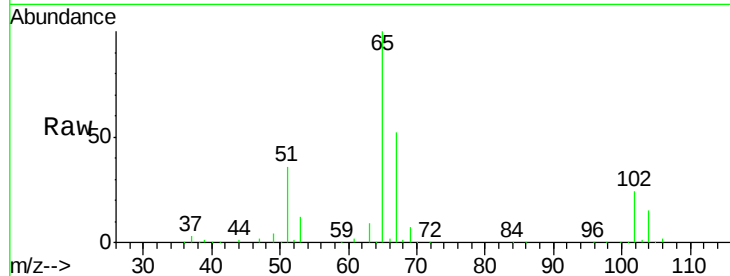




#27
 1,2-Dichloroethane-d4
 Concen: 30.55 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001811.D
 Acq: 18 May 2018 06:54

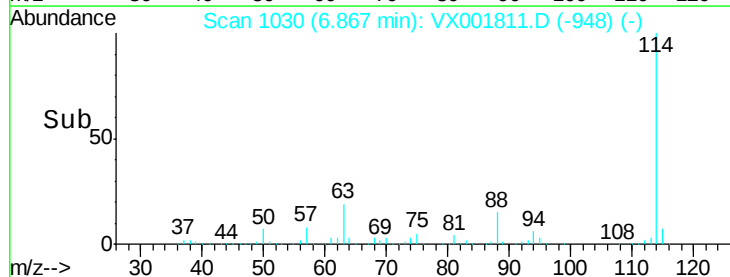
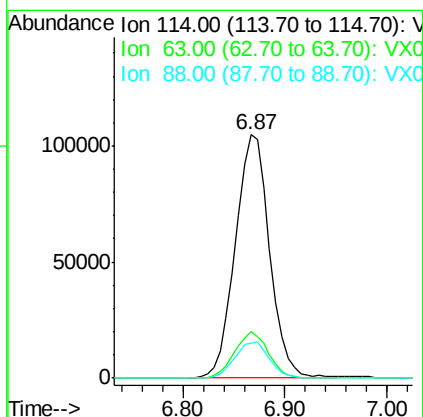
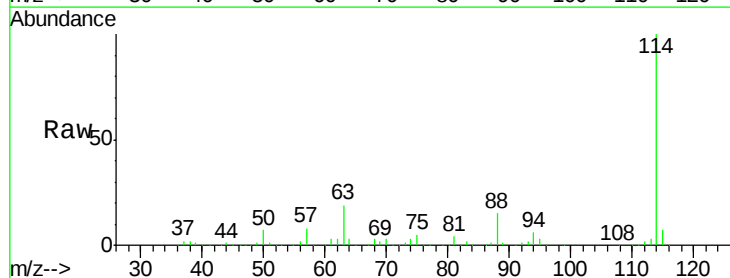
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBL01

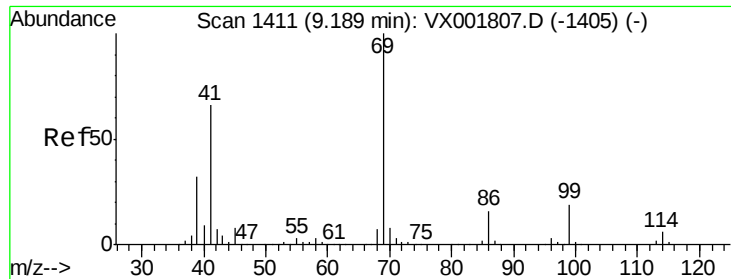
Tgt Ion: 65 Resp: 117530
 Ion Ratio Lower Upper
 65 100
 67 53.0 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001811.D
 Acq: 18 May 2018 06:54

Tgt Ion: 114 Resp: 244726
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.9 22.3
 88 15.1 11.8 17.8





#51

Ethyl methacrylate

Concen: 0.23 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.46 min

Lab File: VX001811.D

Acq: 18 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBL01

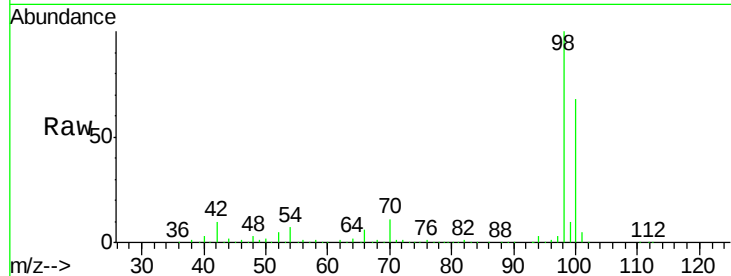
Tgt Ion: 69 Resp: 898

Ion Ratio Lower Upper

69 100

41 70.0 32.9 98.7

39 24.5 16.1 48.2

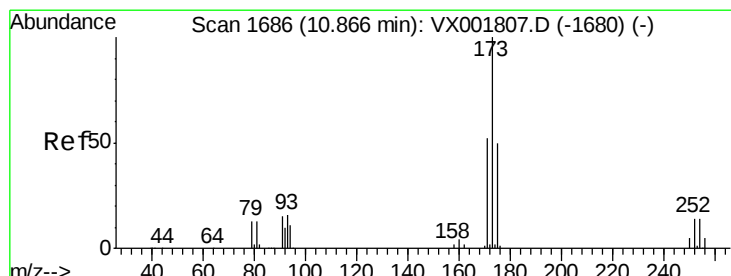
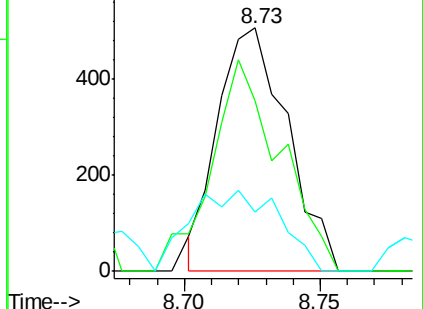
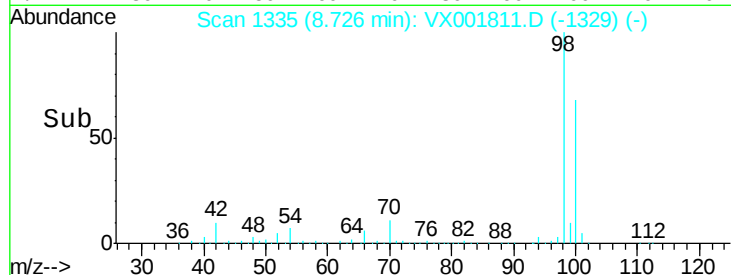


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Time-->



#56

Bromoform

Concen: 0.40 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.28 min

Lab File: VX001811.D

Acq: 18 May 2018 06:54

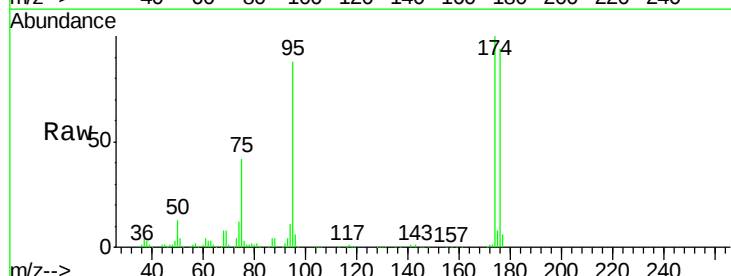
Tgt Ion: 173 Resp: 914

Ion Ratio Lower Upper

173 100

175 626.9 38.8 58.2#

254 0.0 10.7 16.1#

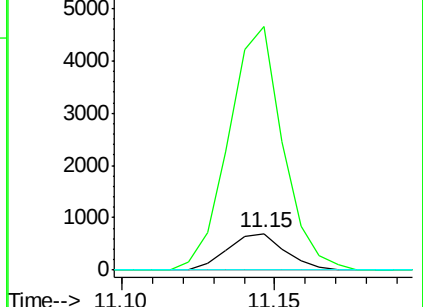
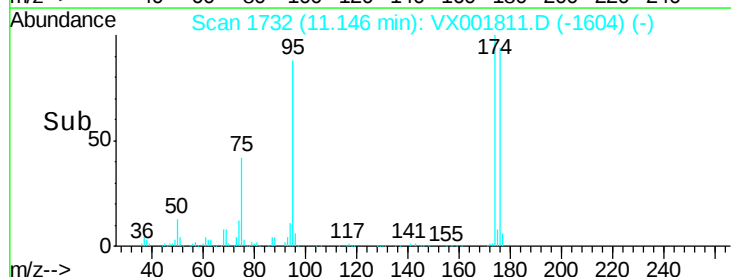


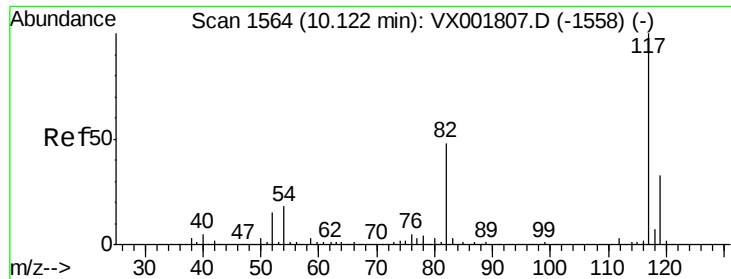
Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

Time-->

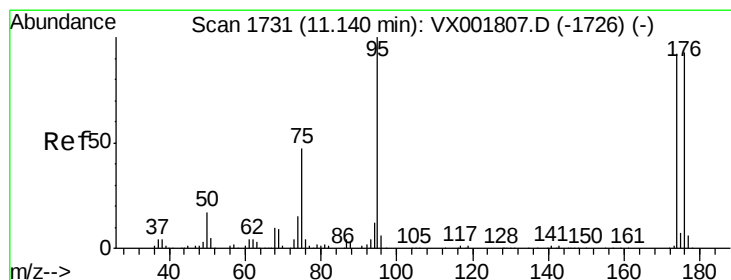
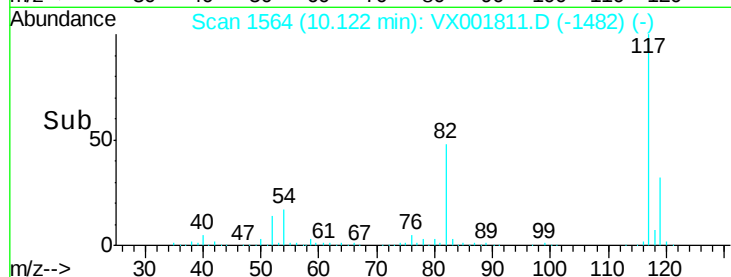
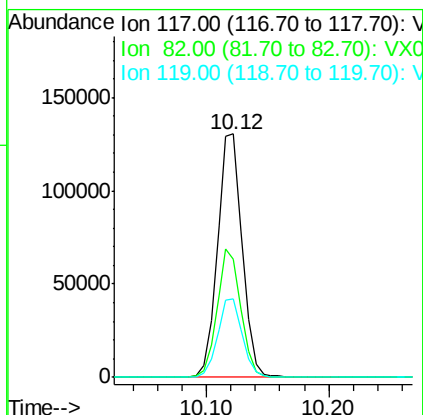
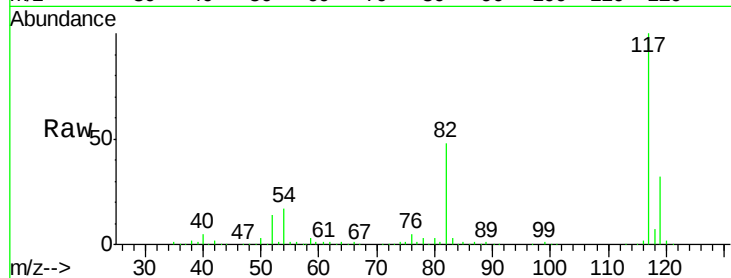




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001811.D
Acq: 18 May 2018 06:54

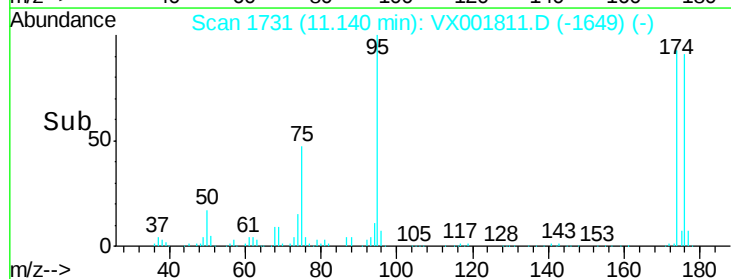
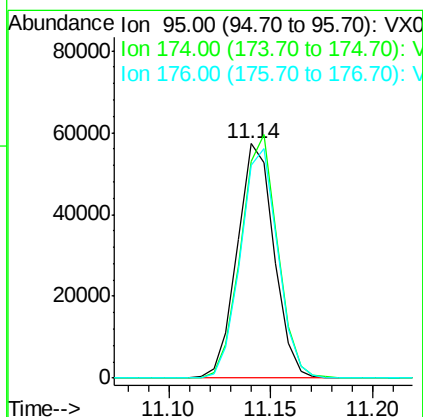
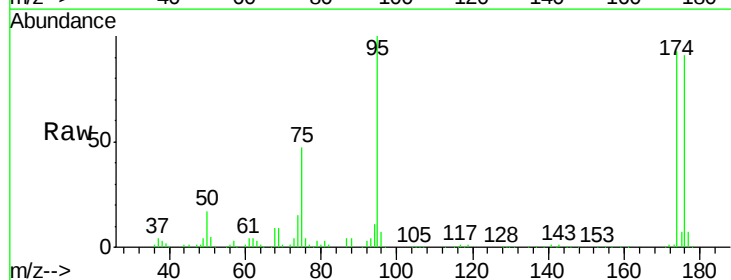
Instrument :
MSVOA_X
ClientSampleId :
VX0518WBL01

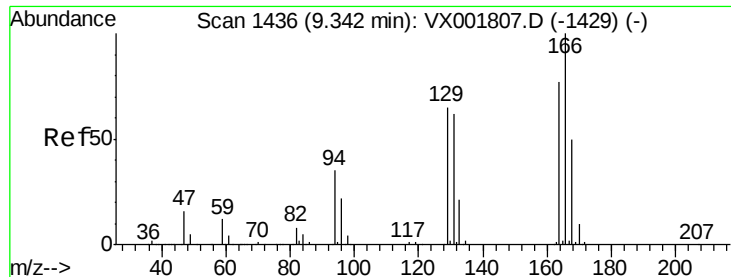
Tgt Ion: 117 Resp: 183387
Ion Ratio Lower Upper
117 100
82 50.4 40.1 60.1
119 32.2 26.0 39.0



#60
4-Bromofluorobenzene
Concen: 26.33 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001811.D
Acq: 18 May 2018 06:54

Tgt Ion: 95 Resp: 71779
Ion Ratio Lower Upper
95 100
174 103.2 82.0 123.0
176 99.5 80.6 120.8





#61

Tetrachloroethene

Concen: 0.20 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001811.D

Acq: 18 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBL01

Tgt Ion:164 Resp: 541

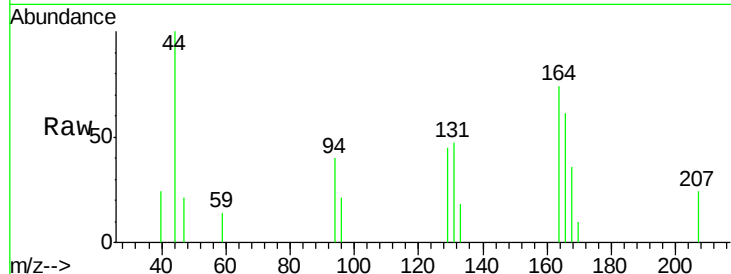
Ion Ratio Lower Upper

164 100

166 81.9 104.1 156.1#

129 61.1 67.8 101.8#

131 62.6 64.6 97.0#

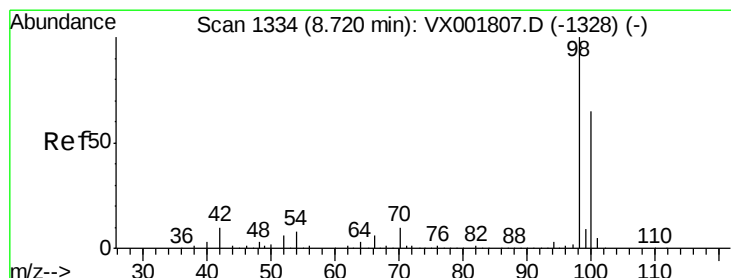
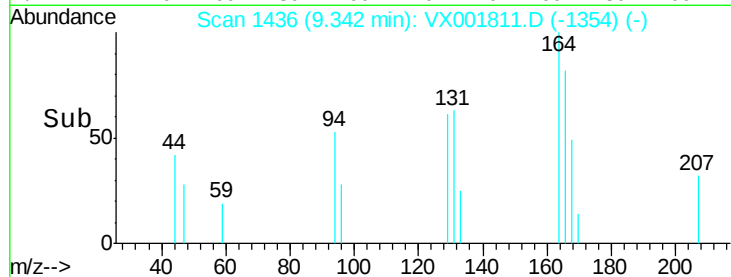
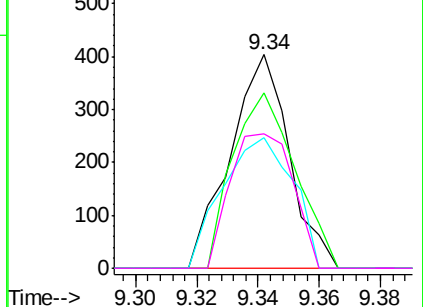


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#63

Toluene-d8

Concen: 28.61 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001811.D

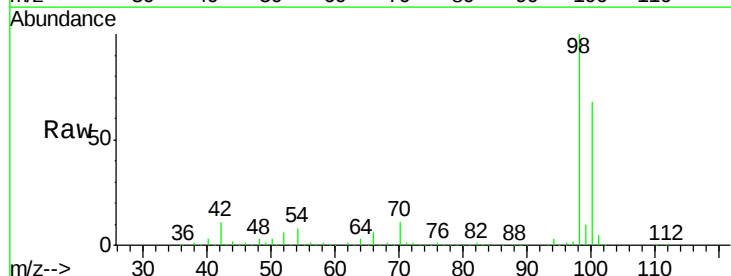
Acq: 18 May 2018 06:54

Tgt Ion: 98 Resp: 265191

Ion Ratio Lower Upper

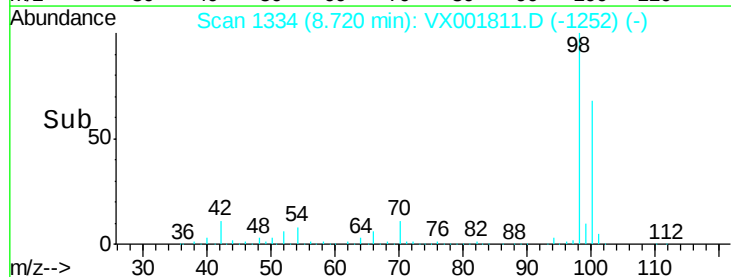
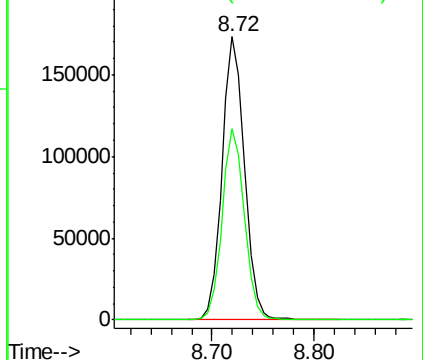
98 100

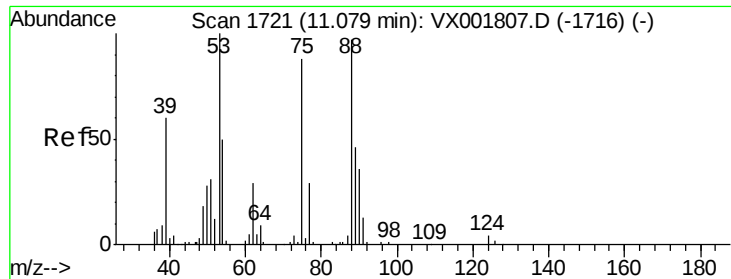
100 67.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#77
t-1,4-Dichloro-2-butene
Concen: 43.40 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001811.D
Acq: 18 May 2018 06:54

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBL01

Tgt Ion: 75 Resp: 34026
Ion Ratio Lower Upper
75 100
53 0.0 57.0 170.8#
89 0.0 26.3 78.9#

