

Data File : VX001962.D
Acq On : 25 May 2018 01:39
Operator : JC/MD
Sample : VX0525WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0525WBL01

Quant Time: May 25 02:27:54 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 02:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	66981	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	366960	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	312695	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	156210	29.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.80%
60) 4-Bromofluorobenzene	11.14	95	149223	27.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.93%
63) Toluene-d8	8.72	98	433337	31.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.63%

Target Compounds

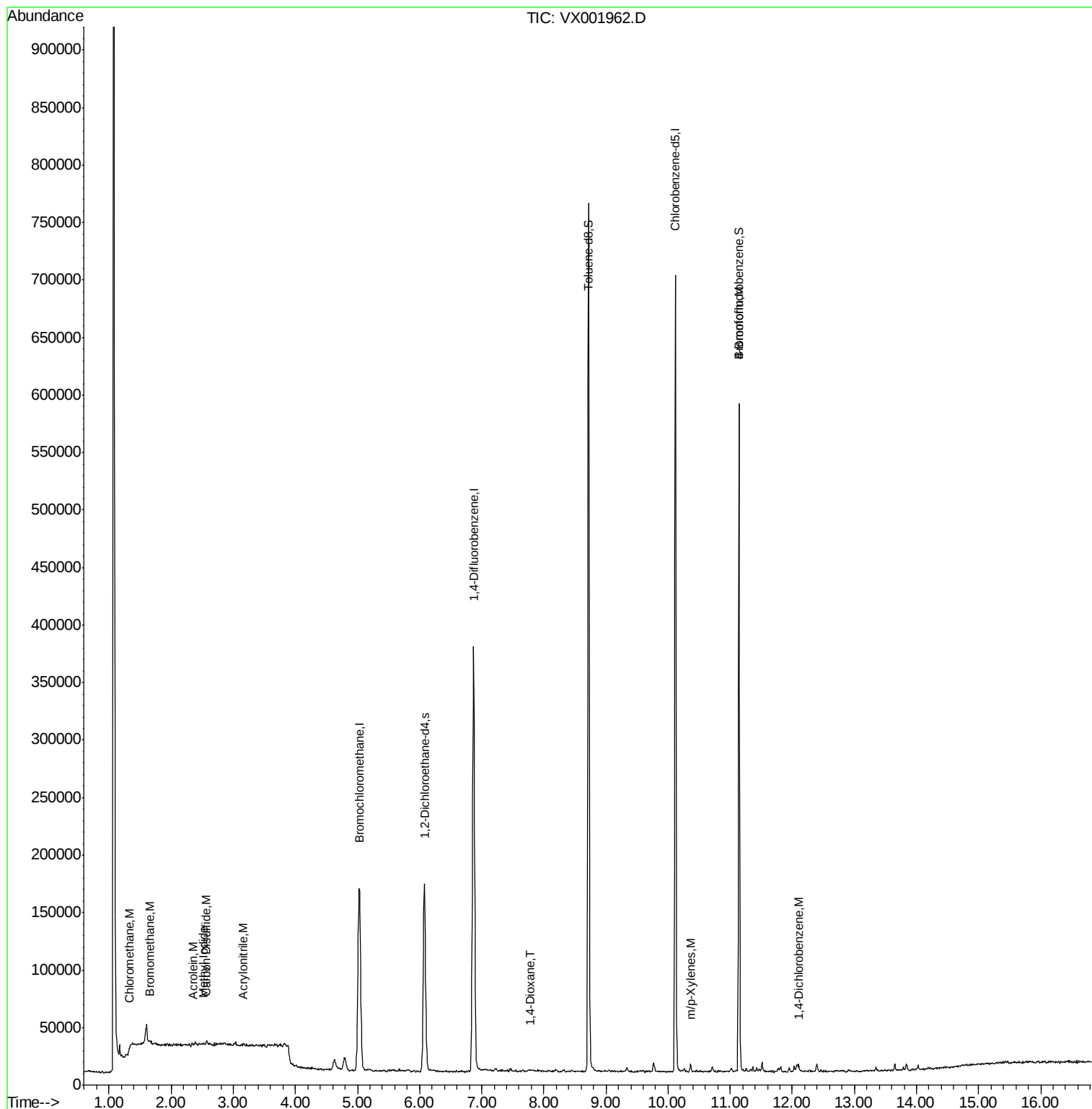
						Qvalue
3) Chloromethane	1.32	50	971	0.23	ug/l	89
5) Bromomethane	1.65	94	2370	1.01	ug/l	82
11) Methyl Iodide	2.53	142	2368	0.45	ug/l	98
13) Acrolein	2.35	56	228	0.50	ug/l	90
14) Acrylonitrile	3.15	53	478	0.22	ug/l #	84
16) Carbon Disulfide	2.57	76	3765	0.40	ug/l #	92
45) 1,4-Dioxane	7.78	88	64	0.58	ug/l #	1
56) Bromoform	11.14	173	1621	0.37	ug/l #	1
67) m/p-Xylenes	10.37	106	1382	0.20	ug/l	88
84) 1,4-Dichlorobenzene	12.10	146	1766	0.20	ug/l	93

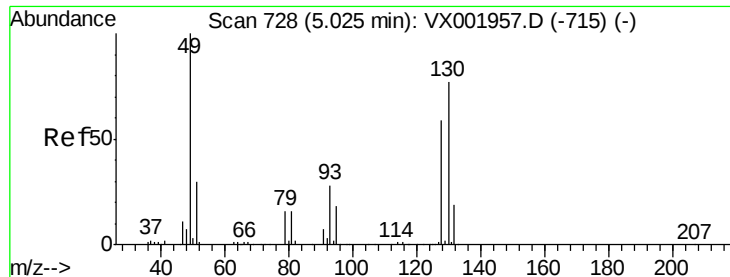
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VX001962.D

Acq: 25 May 2018 01:39

Instrument :

MSVOA_X

ClientSampled :

VX0525WBL01

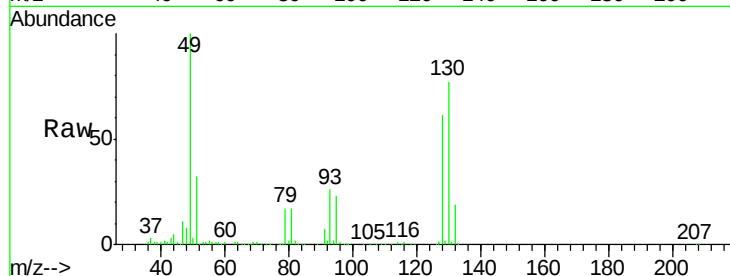
Tgt Ion:128 Resp: 66981

Ion Ratio Lower Upper

128 100

49 169.6 0.0 423.0

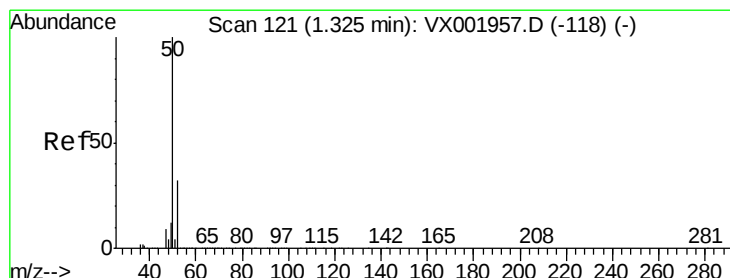
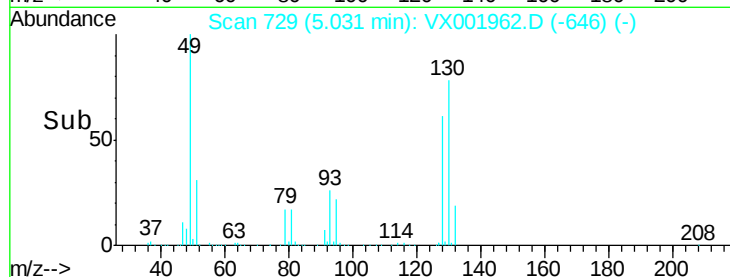
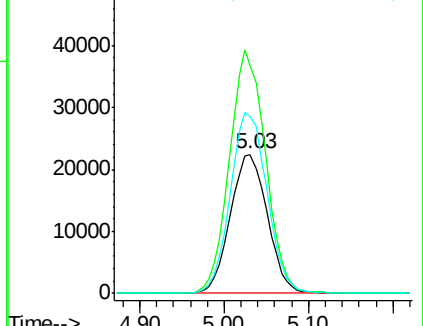
130 128.9 0.0 324.3



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: 0.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001962.D

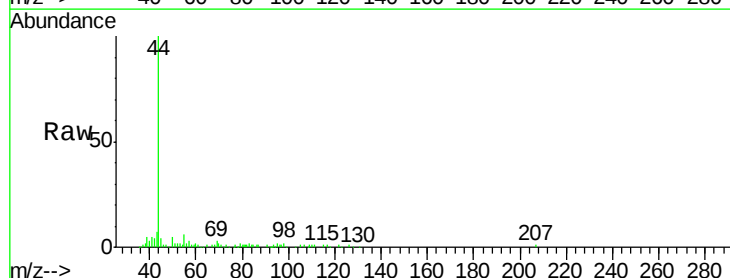
Acq: 25 May 2018 01:39

Tgt Ion: 50 Resp: 971

Ion Ratio Lower Upper

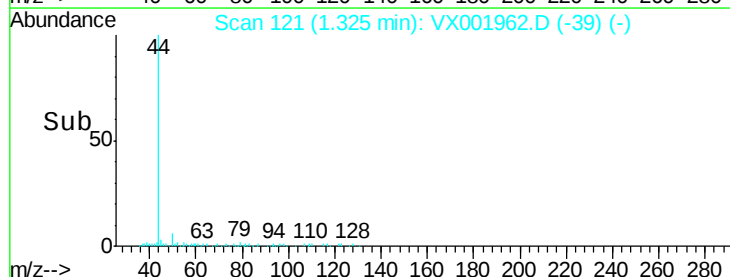
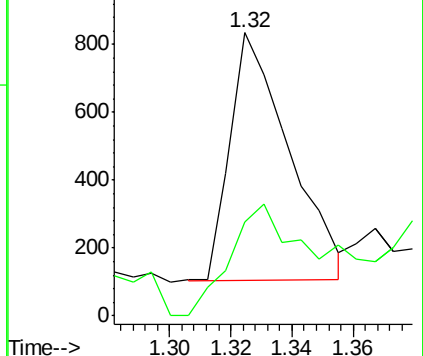
50 100

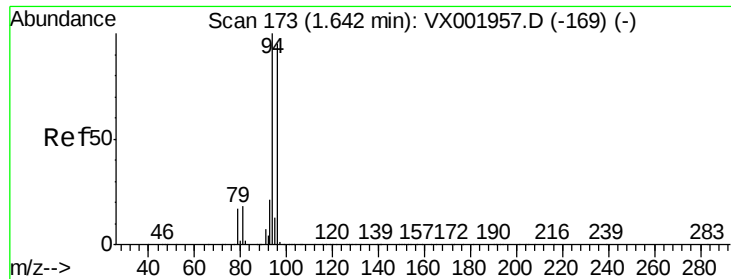
52 38.0 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 1.01 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001962.D

Acq: 25 May 2018 01:39

Instrument :

MSVOA_X

ClientSampled :

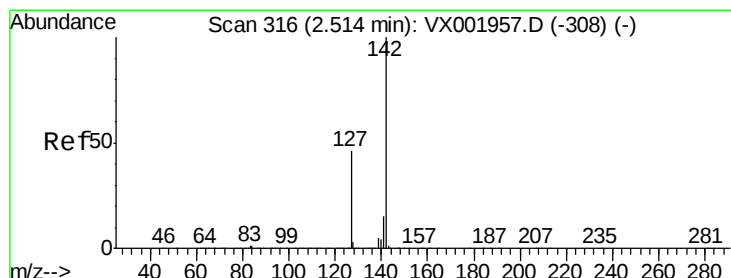
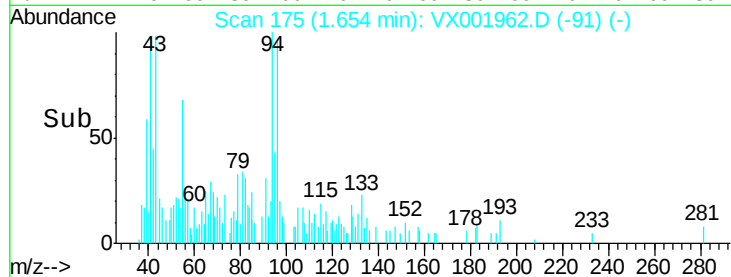
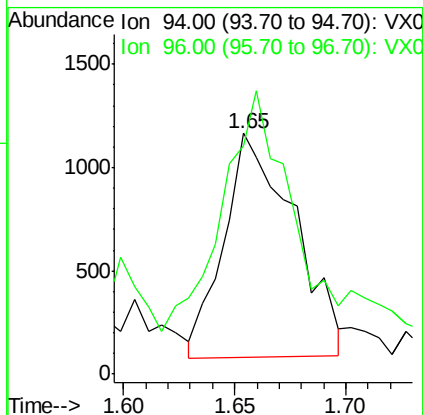
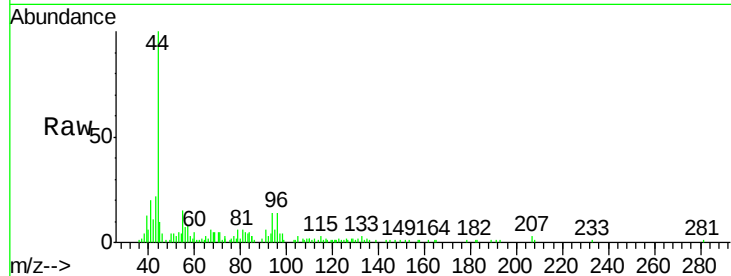
VX0525WBL01

Tgt Ion: 94 Resp: 2370

Ion Ratio Lower Upper

94 100

96 76.9 75.7 113.5



#11

Methyl Iodide

Concen: 0.45 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001962.D

Acq: 25 May 2018 01:39

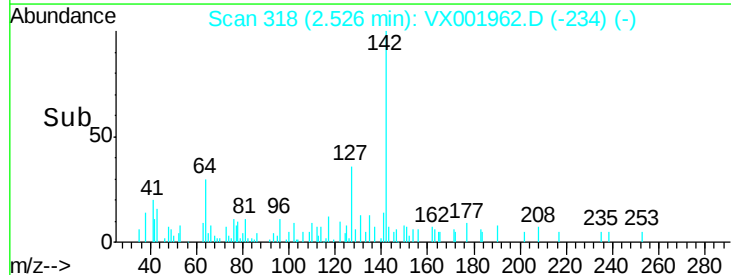
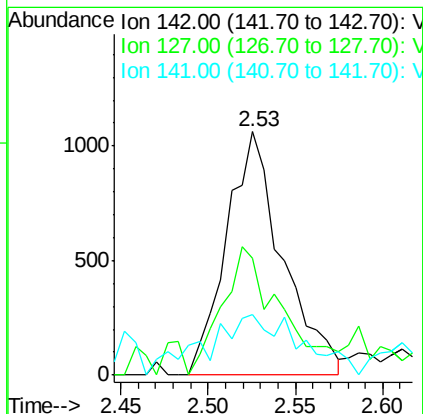
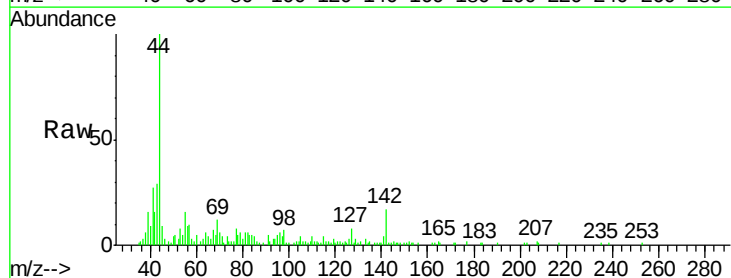
Tgt Ion: 142 Resp: 2368

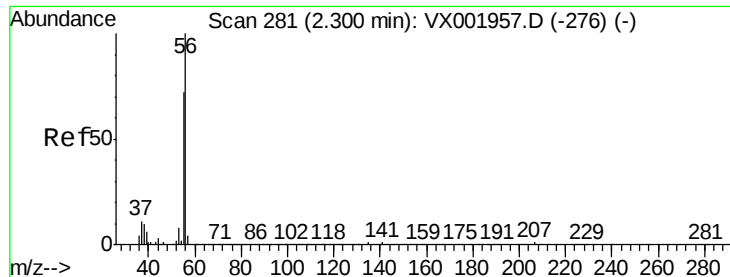
Ion Ratio Lower Upper

142 100

127 44.8 23.2 69.6

141 14.5 7.4 22.2





#13

Acrolein

Concen: 0.50 ug/l

RT: 2.35 min Scan# 290

Delta R.T. 0.05 min

Lab File: VX001962.D

Acq: 25 May 2018 01:39

Instrument :

MSVOA_X

ClientSampleId :

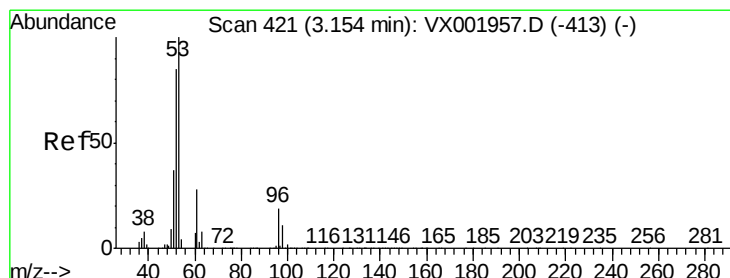
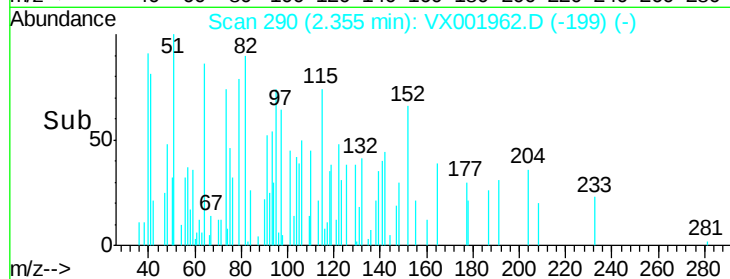
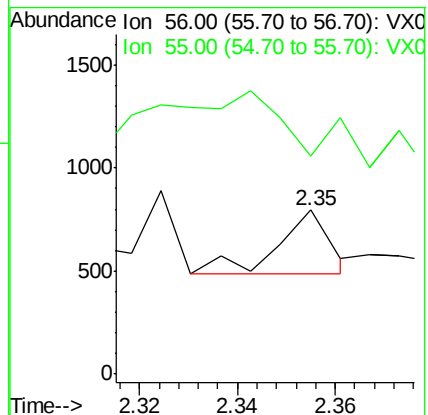
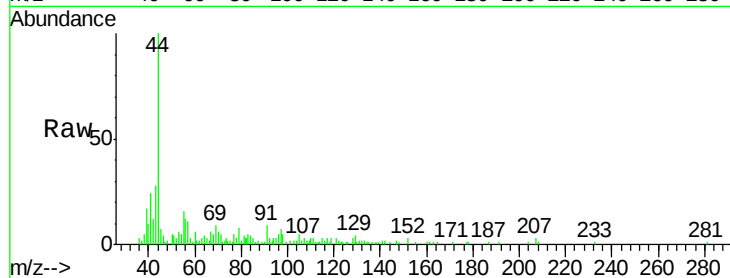
VX0525WBL01

Tgt Ion: 56 Resp: 228

Ion Ratio Lower Upper

56 100

55 80.3 57.3 85.9



#14

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001962.D

Acq: 25 May 2018 01:39

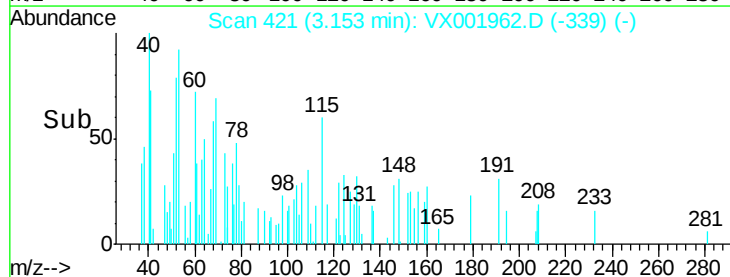
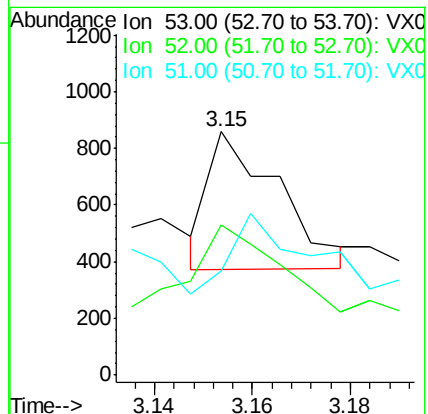
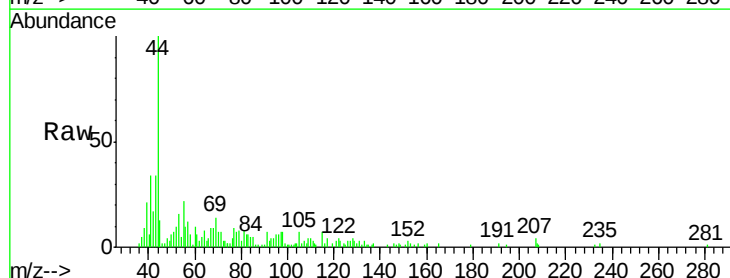
Tgt Ion: 53 Resp: 478

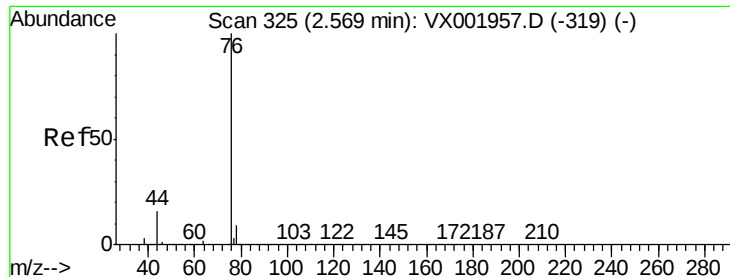
Ion Ratio Lower Upper

53 100

52 75.9 41.5 124.6

51 56.3 17.9 53.8#

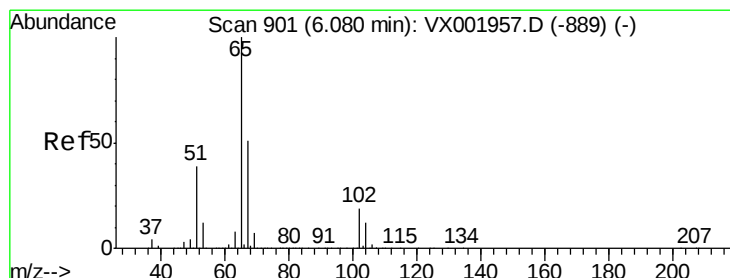
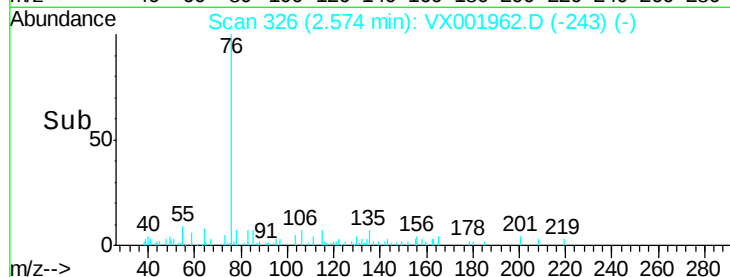
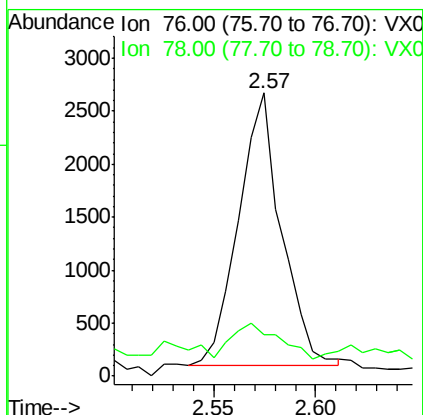
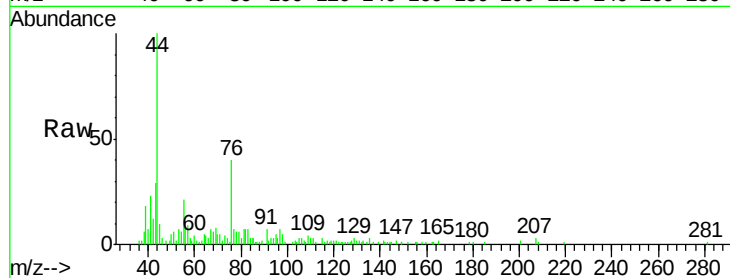




#16
Carbon Disulfide
Concen: 0.40 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001962.D
Acq: 25 May 2018 01:39

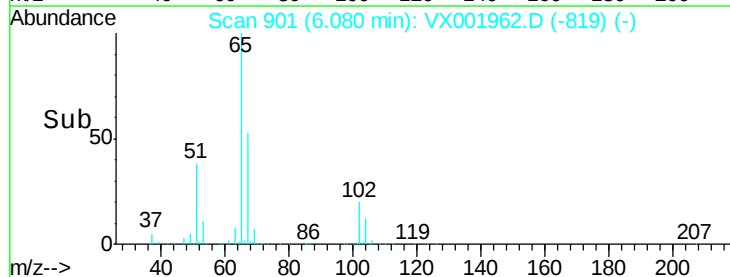
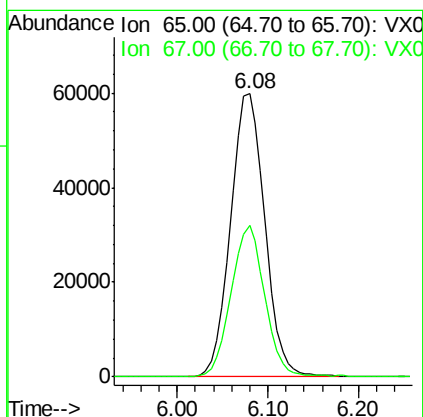
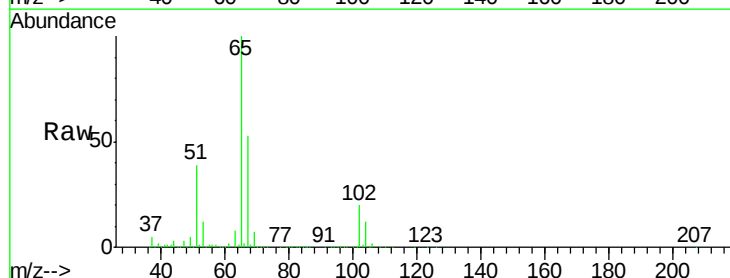
Instrument :
MSVOA_X
ClientSampleId :
VX0525WBL01

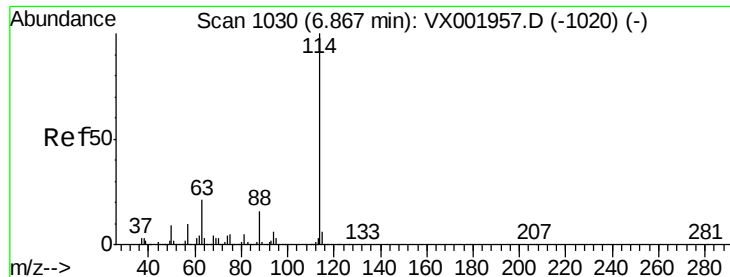
Tgt Ion: 76 Resp: 3765
Ion Ratio Lower Upper
76 100
78 6.2 7.4 11.0#



#27
1,2-Dichloroethane-d4
Concen: 29.64 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VX001962.D
Acq: 25 May 2018 01:39

Tgt Ion: 65 Resp: 156210
Ion Ratio Lower Upper
65 100
67 51.9 40.9 61.3

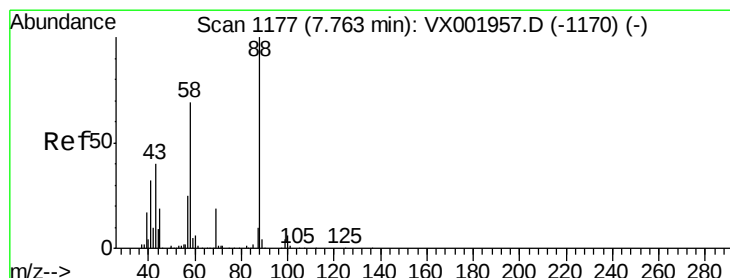
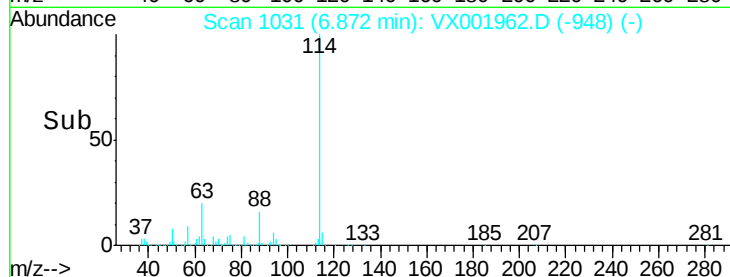
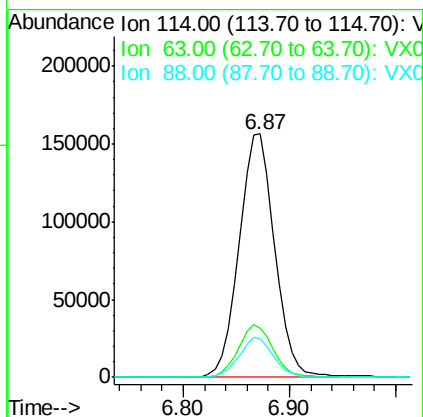
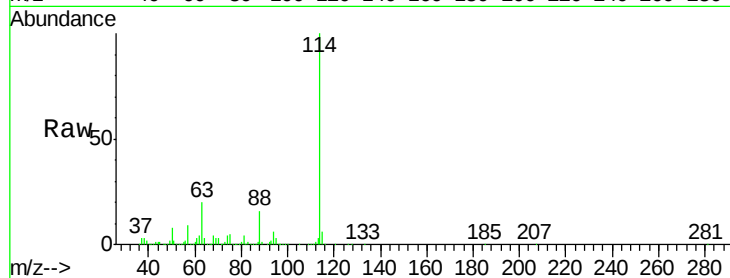




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001962.D
 Acq: 25 May 2018 01:39

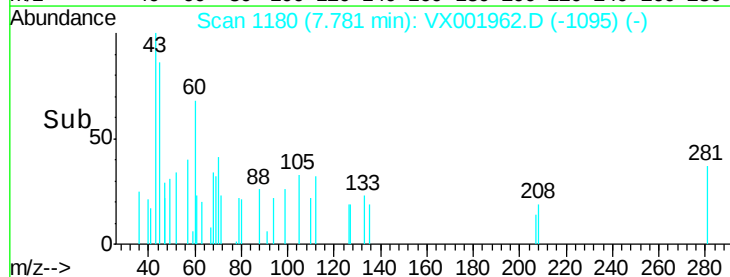
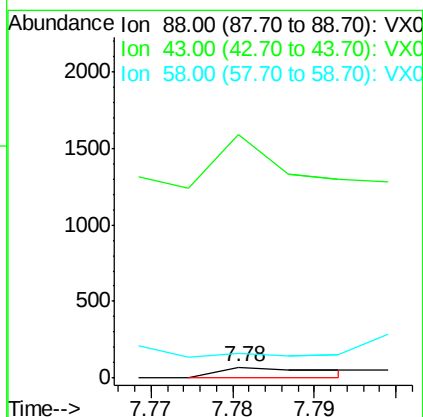
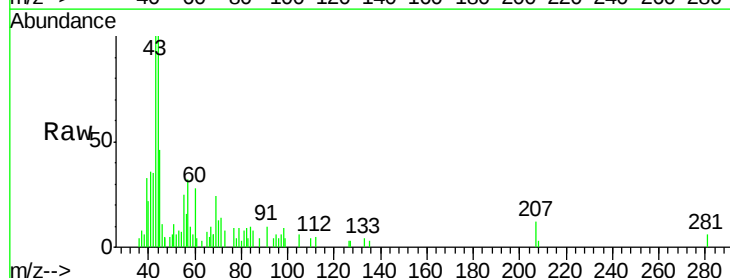
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0525WBL01

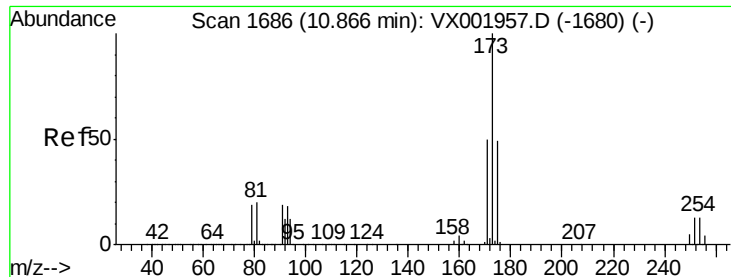
Tgt Ion: 114 Resp: 366960
 Ion Ratio Lower Upper
 114 100
 63 21.4 17.1 25.7
 88 15.8 12.6 19.0



#45
 1,4-Dioxane
 Concen: 0.58 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. 0.02 min
 Lab File: VX001962.D
 Acq: 25 May 2018 01:39

Tgt Ion: 88 Resp: 64
 Ion Ratio Lower Upper
 88 100
 43 329.7 43.2 64.8#
 58 29.7 60.2 90.2#





#56

Bromoform

Concen: 0.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.27 min

Lab File: VX001962.D

Acq: 25 May 2018 01:39

Instrument :

MSVOA_X

ClientSampleId :

VX0525WBL01

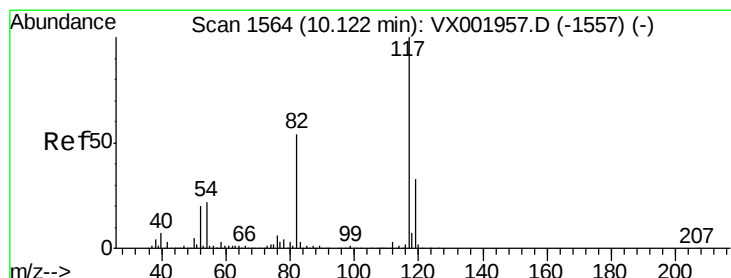
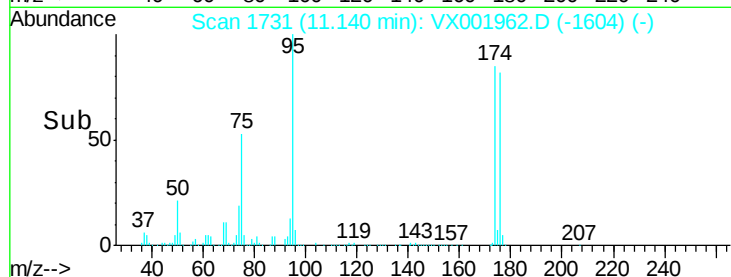
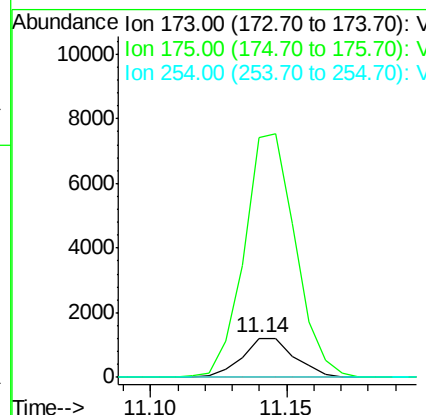
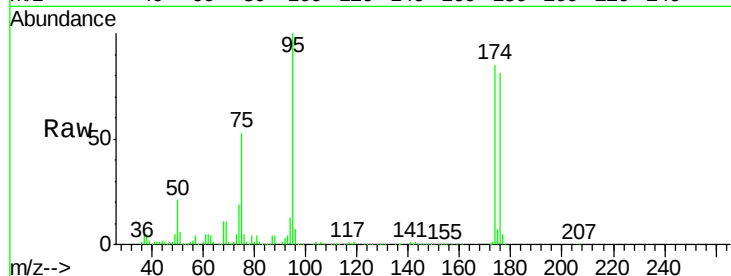
Tgt Ion:173 Resp: 1621

Ion Ratio Lower Upper

173 100

175 605.6 39.0 58.4#

254 0.0 9.6 14.4#



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001962.D

Acq: 25 May 2018 01:39

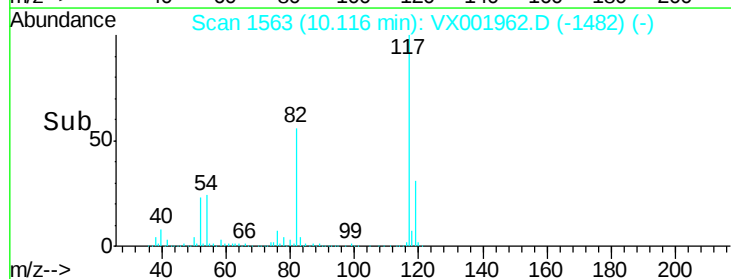
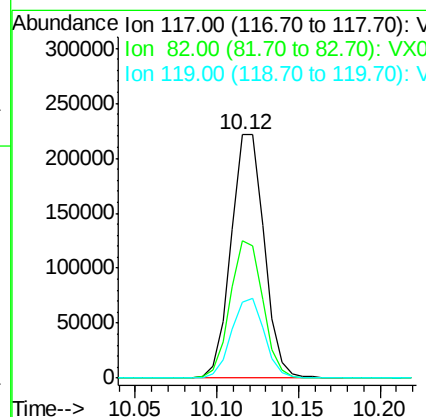
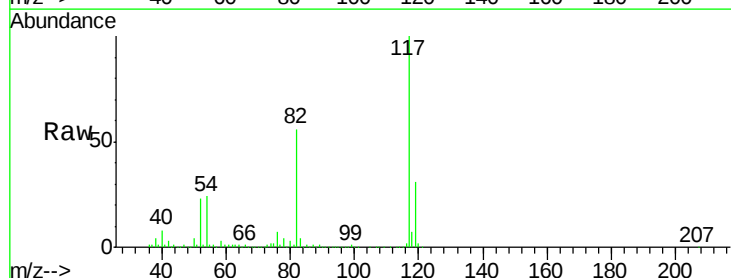
Tgt Ion:117 Resp: 312695

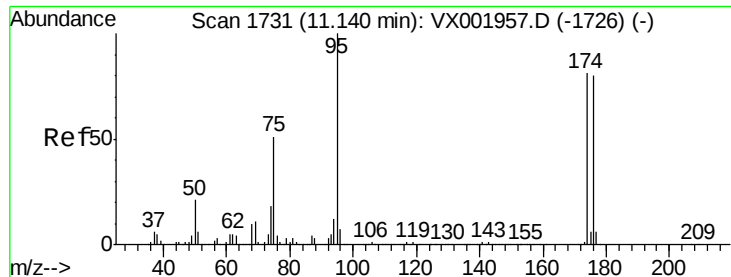
Ion Ratio Lower Upper

117 100

82 55.9 44.3 66.5

119 32.4 25.7 38.5

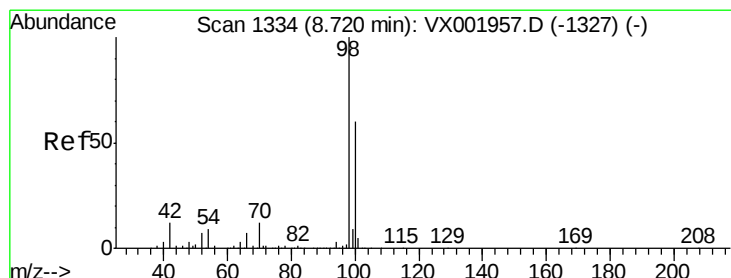
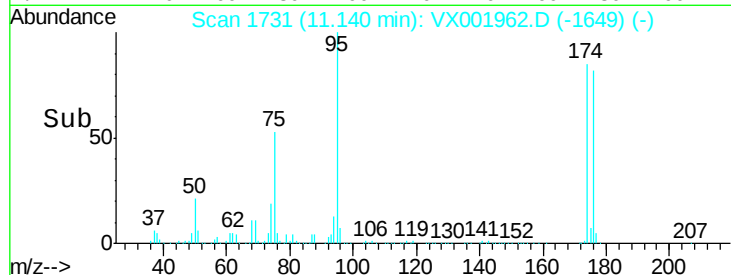
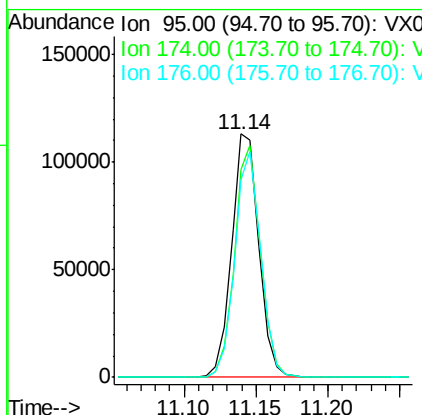
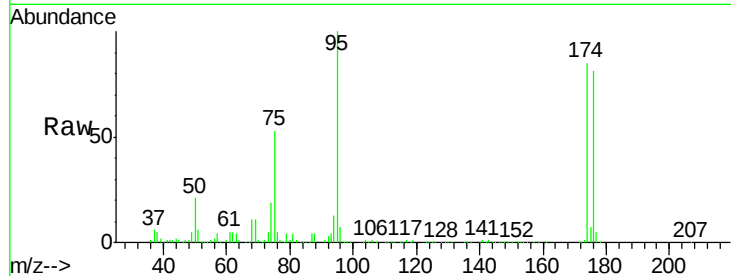




#60
4-Bromofluorobenzene
Concen: 27.88 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001962.D
Acq: 25 May 2018 01:39

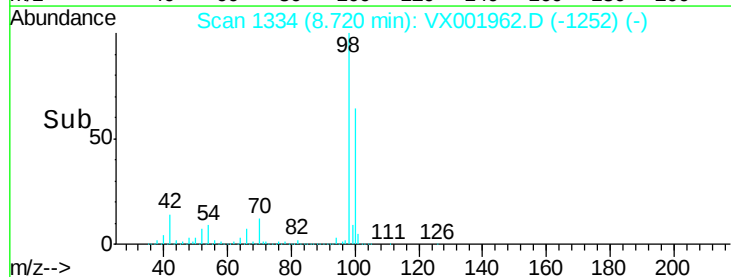
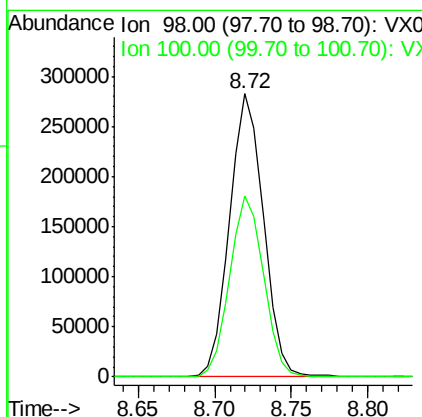
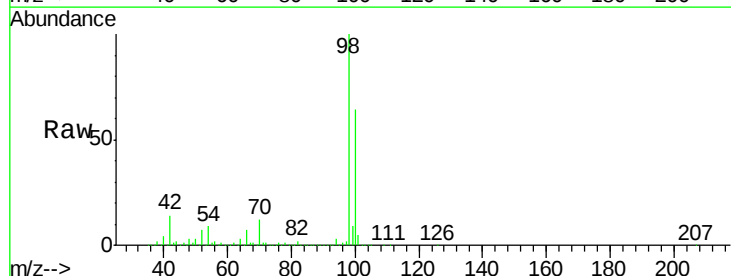
Instrument :
MSVOA_X
ClientSampled :
VX0525WBL01

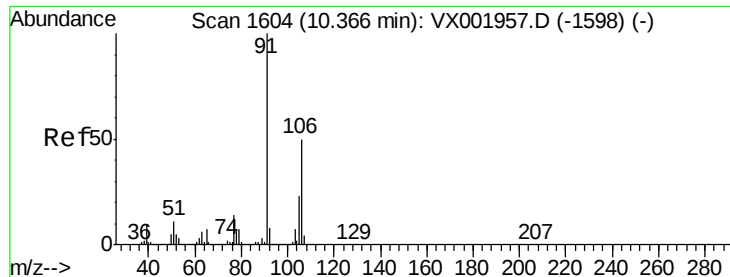
Tgt Ion: 95 Resp: 149223
Ion Ratio Lower Upper
95 100
174 90.9 71.8 107.6
176 88.8 70.1 105.1



#63
Toluene-d8
Concen: 31.09 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001962.D
Acq: 25 May 2018 01:39

Tgt Ion: 98 Resp: 433337
Ion Ratio Lower Upper
98 100
100 64.3 50.8 76.2





#67

m/p-Xylenes

Concen: 0.20 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001962.D

Acq: 25 May 2018 01:39

Instrument :

MSVOA_X

ClientSampleId :

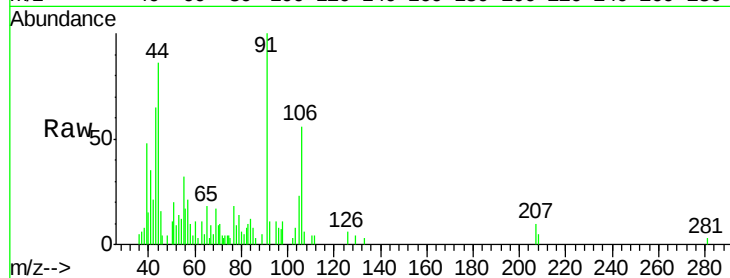
VX0525WBL01

Tgt Ion:106 Resp: 1382

Ion Ratio Lower Upper

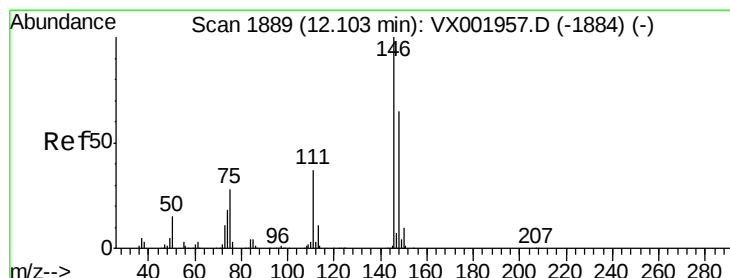
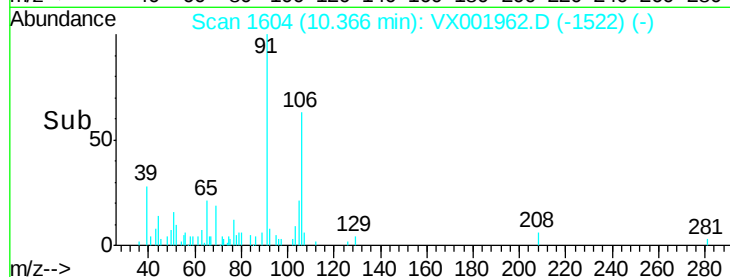
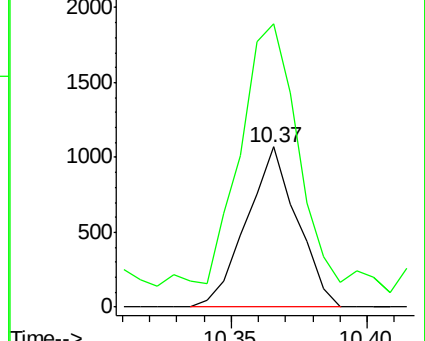
106 100

91 186.0 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#84

1,4-Dichlorobenzene

Concen: 0.20 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001962.D

Acq: 25 May 2018 01:39

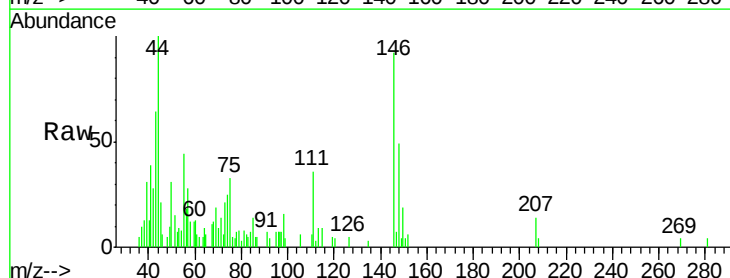
Tgt Ion:146 Resp: 1766

Ion Ratio Lower Upper

146 100

111 47.4 18.5 55.5

148 63.3 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

