

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
 Data File : VX002152.D
 Acq On : 30 May 2018 22:11
 Operator : JC/MD
 Sample : J3192-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

Quant Time: May 31 02:11:36 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	49251	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	284188	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	247406	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	123439	31.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.17%
60) 4-Bromofluorobenzene	11.14	95	114535	27.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.13%
63) Toluene-d8	8.72	98	337378	30.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.00%

Target Compounds

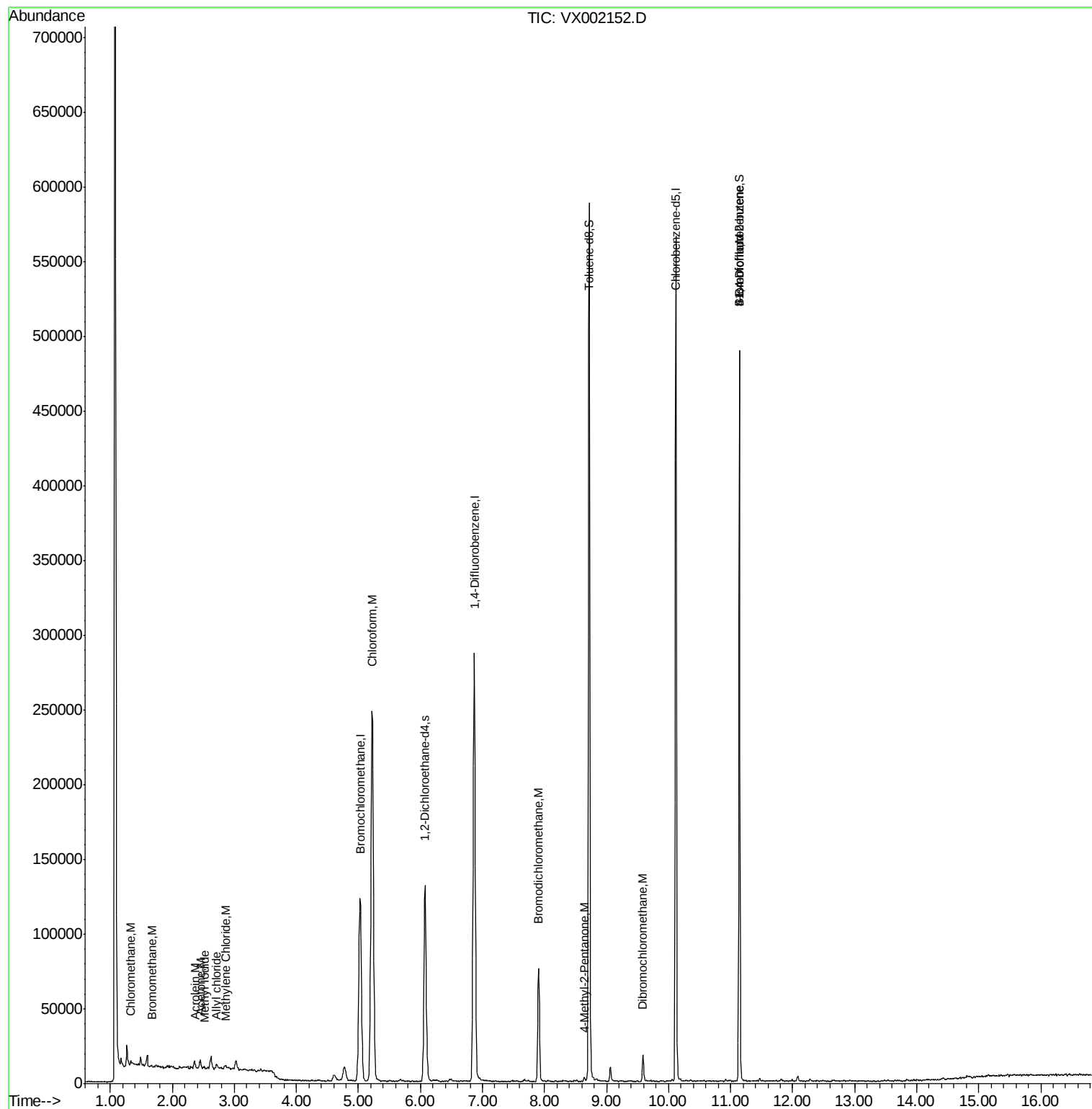
						Qvalue
3) Chloromethane	1.33	50	1068	0.34	ug/l	95
5) Bromomethane	1.66	94	1311	0.76	ug/l	89
11) Methyl Iodide	2.53	142	1031	0.27	ug/l	99
13) Acrolein	2.38	56	111	0.33	ug/l	83
15) Acetone	2.45	58	1794	4.12	ug/l	71
17) Allyl chloride	2.72	41	2583	0.51	ug/l #	40
18) Methylene Chloride	2.86	84	1062	0.39	ug/l #	86
25) Chloroform	5.22	83	283784	52.51	ug/l	98
41) Bromodichloromethane	7.90	83	44212	9.78	ug/l	97
53) Dibromochloromethane	9.59	129	3567	0.93	ug/l	99
56) Bromoform	11.14	173	1243	0.37	ug/l #	1
58) 4-Methyl-2-Pentanone	8.64	43	2609	0.48	ug/l #	54
77) t-1,4-Dichloro-2-butene	11.14	75	60942	39.42	ug/l #	11

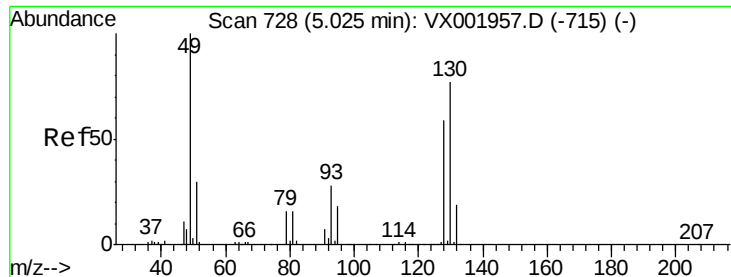
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
Data File : VX002152.D
Acq On : 30 May 2018 22:11
Operator : JC/MD
Sample : J3192-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
14B-1

Quant Time: May 31 02:11:36 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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VX002152.D

Acq: 30 May 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

14B-1

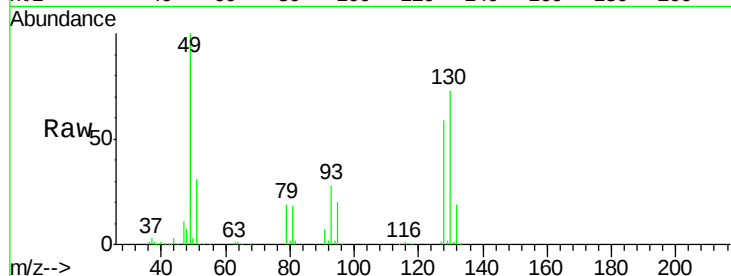
Tgt Ion:128 Resp: 49251

Ion Ratio Lower Upper

128 100

49 174.4 0.0 423.0

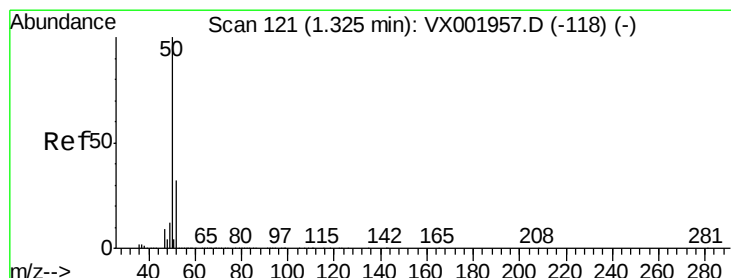
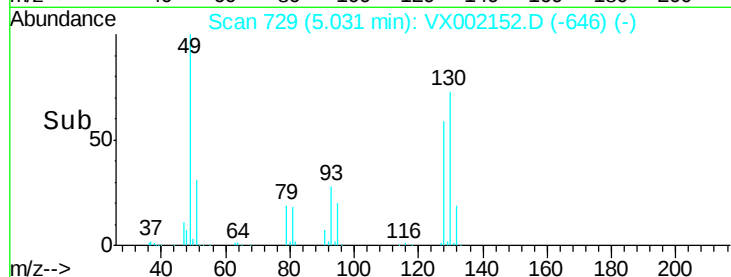
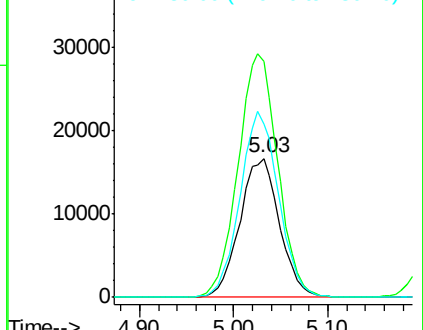
130 129.9 0.0 324.3



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: 0.34 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002152.D

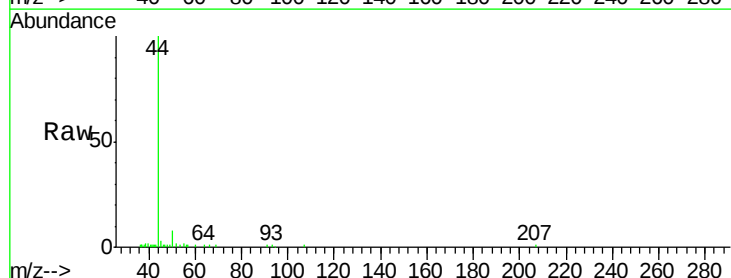
Acq: 30 May 2018 22:11

Tgt Ion: 50 Resp: 1068

Ion Ratio Lower Upper

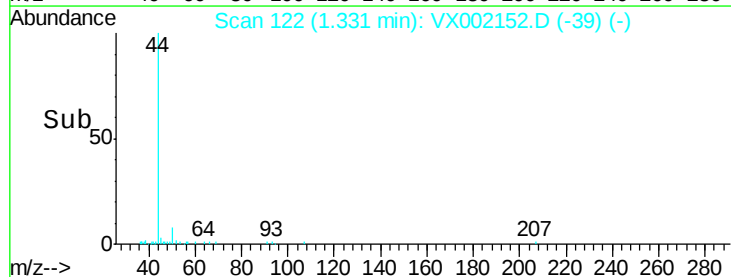
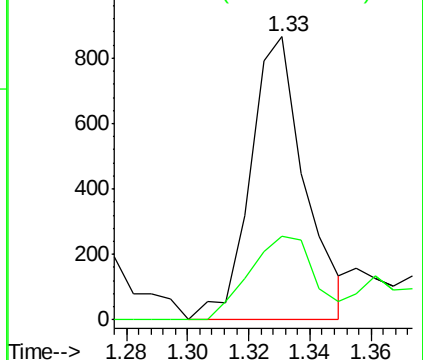
50 100

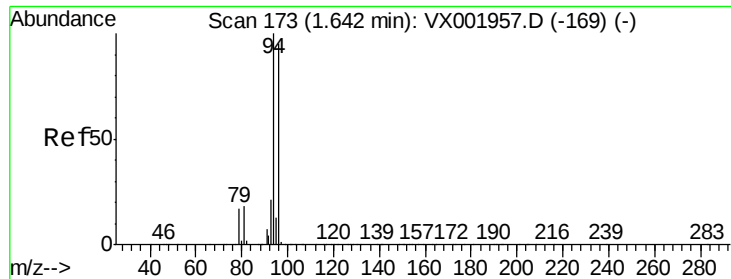
52 29.5 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 0.76 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002152.D

Acq: 30 May 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

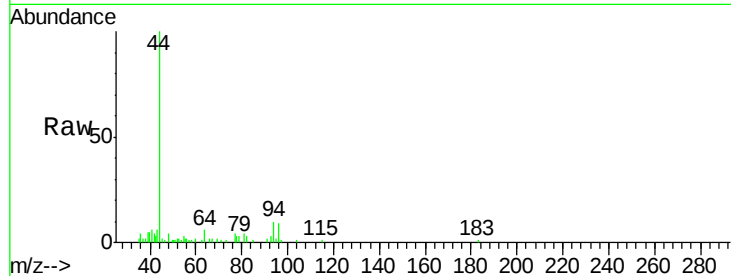
14B-1

Tgt Ion: 94 Resp: 1311

Ion Ratio Lower Upper

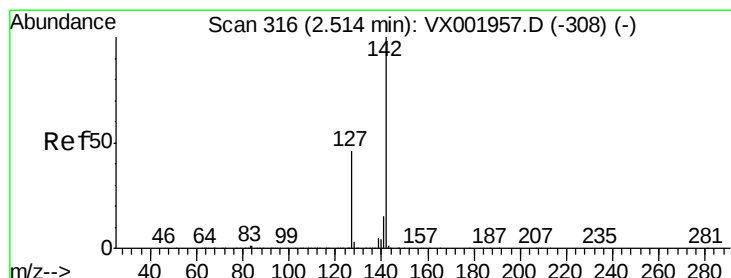
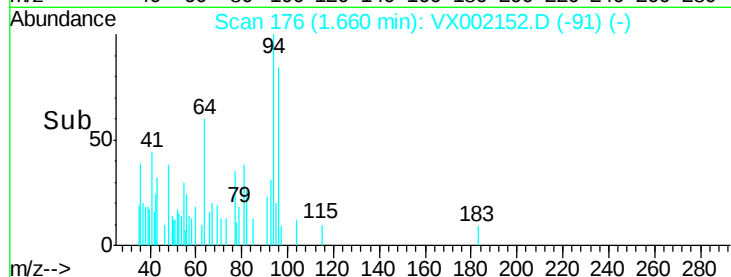
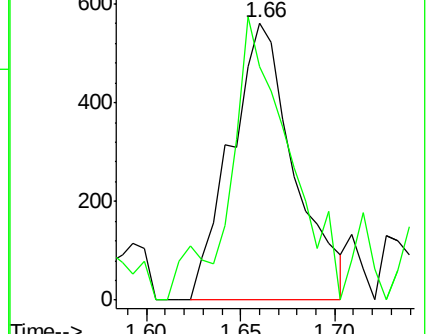
94 100

96 84.1 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#11

Methyl Iodide

Concen: 0.27 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002152.D

Acq: 30 May 2018 22:11

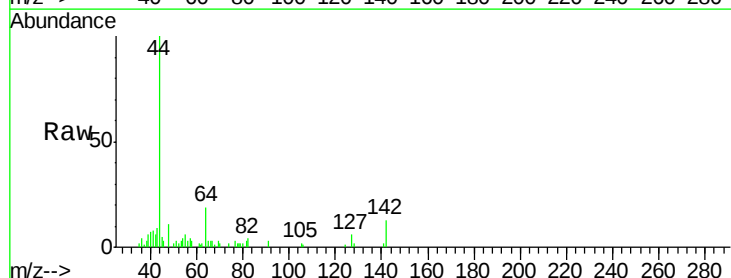
Tgt Ion: 142 Resp: 1031

Ion Ratio Lower Upper

142 100

127 46.4 23.2 69.6

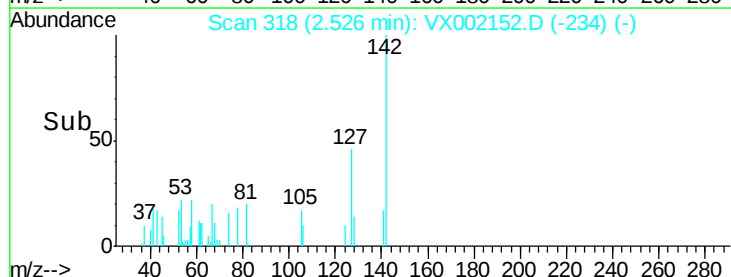
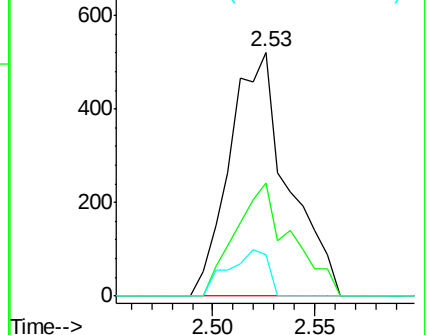
141 16.7 7.4 22.2

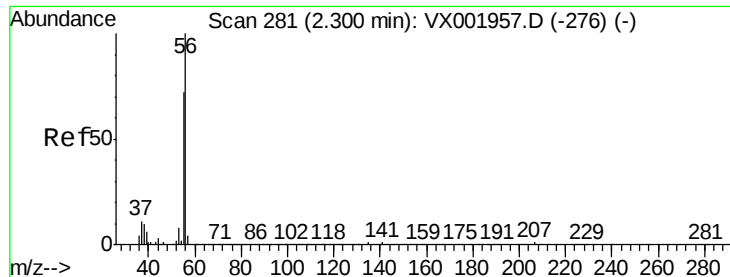


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.33 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.08 min

Lab File: VX002152.D

Acq: 30 May 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

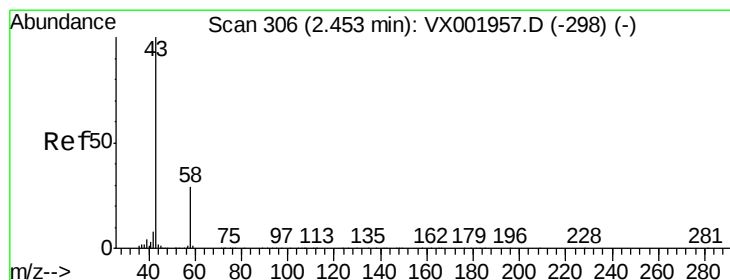
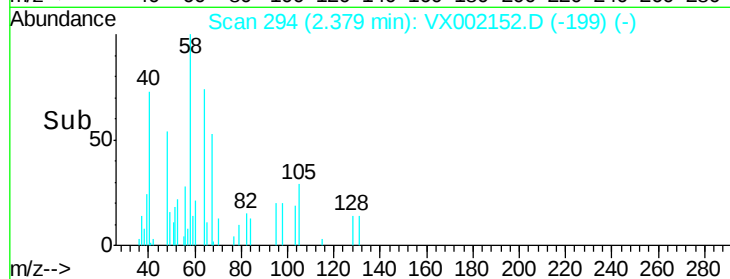
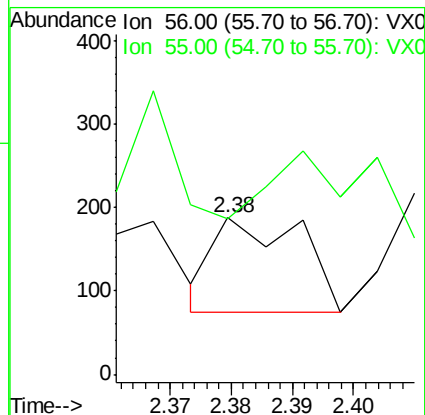
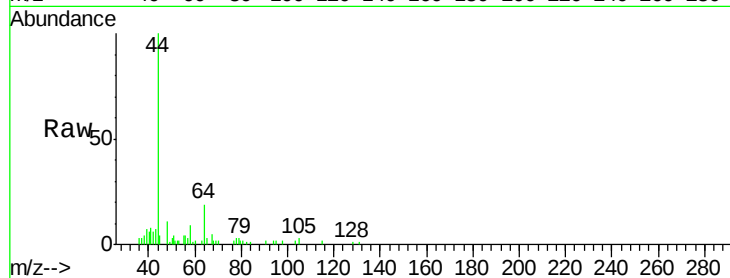
14B-1

Tgt Ion: 56 Resp: 111

Ion Ratio Lower Upper

56 100

55 57.7 57.3 85.9



#15

Acetone

Concen: 4.12 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002152.D

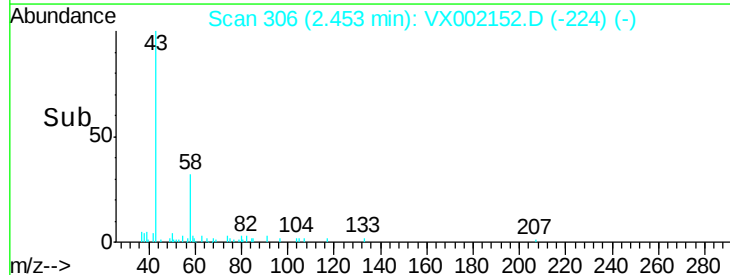
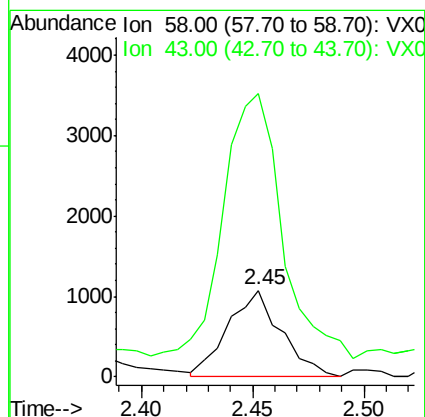
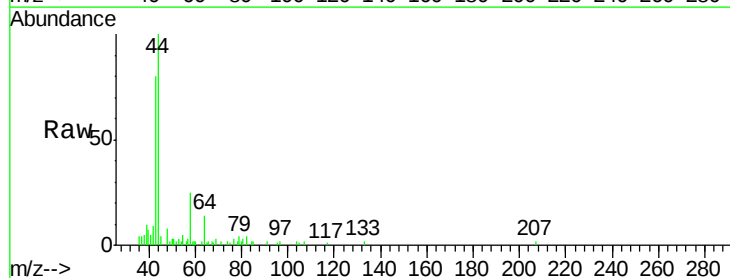
Acq: 30 May 2018 22:11

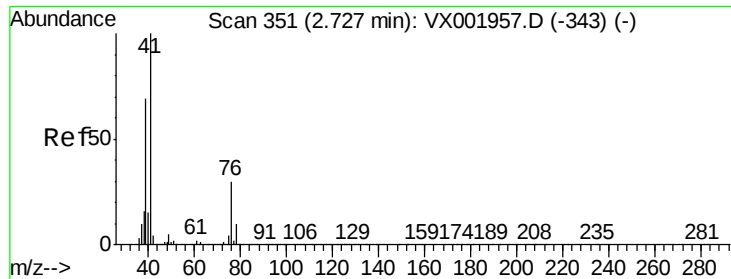
Tgt Ion: 58 Resp: 1794

Ion Ratio Lower Upper

58 100

43 285.8 278.8 418.2

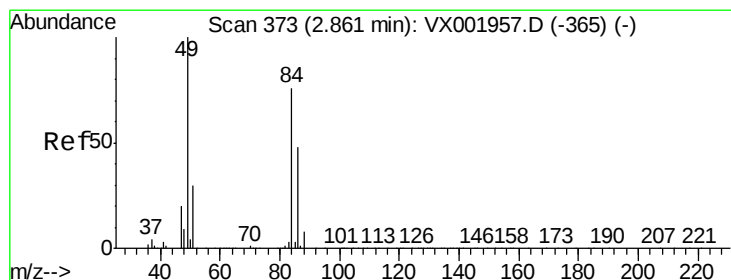
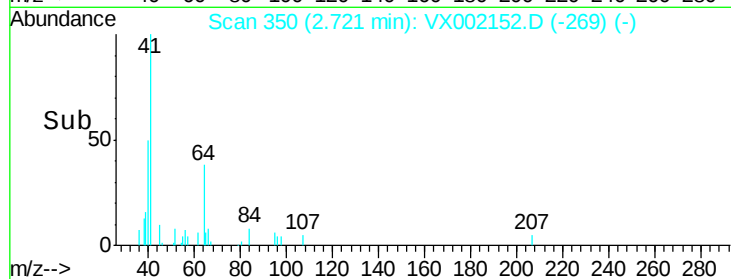
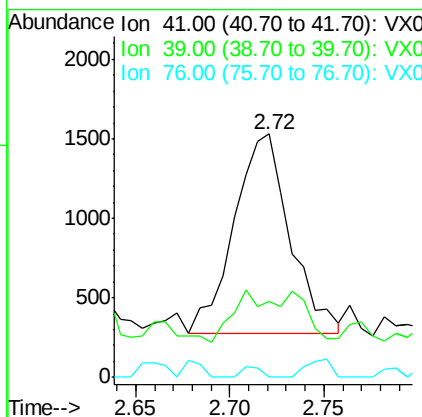
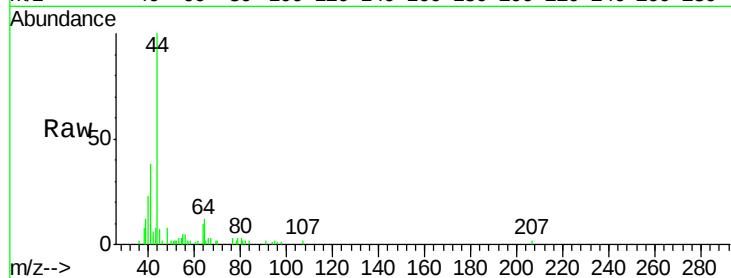




#17
 Allyl chloride
 Concen: 0.51 ug/l
 RT: 2.72 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX002152.D
 Acq: 30 May 2018 22:11

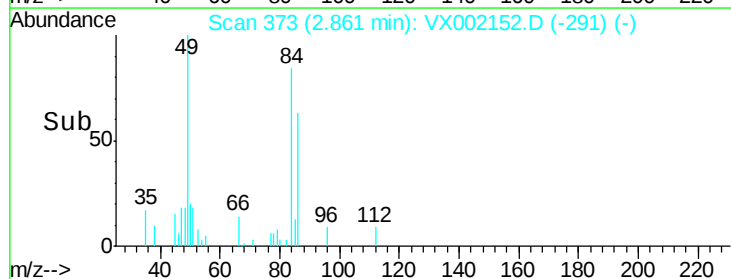
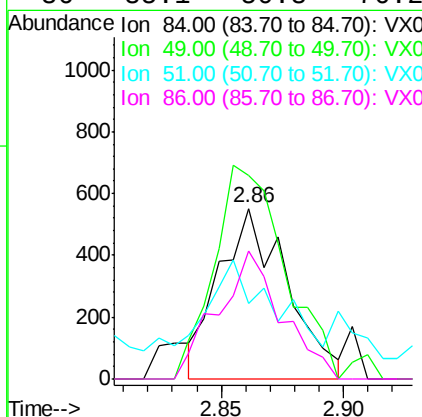
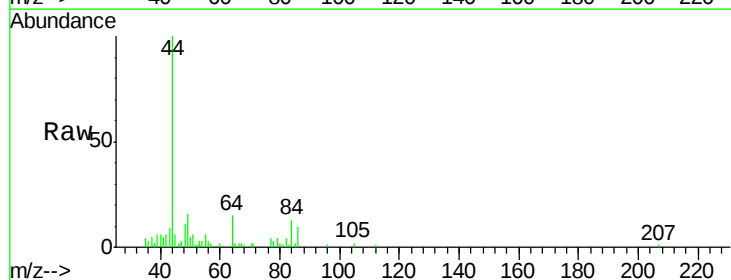
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

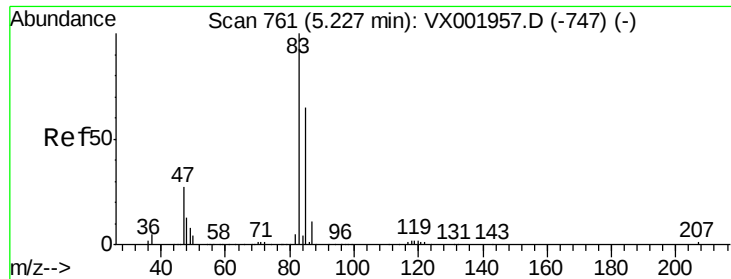
Tgt Ion: 41 Resp: 2583
 Ion Ratio Lower Upper
 41 100
 39 19.1 34.6 103.8#
 76 0.0 15.0 45.1#



#18
 Methylene Chloride
 Concen: 0.39 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002152.D
 Acq: 30 May 2018 22:11

Tgt Ion: 84 Resp: 1062
 Ion Ratio Lower Upper
 84 100
 49 134.8 104.7 157.1
 51 21.7 31.0 46.4#
 86 85.1 50.8 76.2#





#25

Chloroform

Concen: 52.51 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX002152.D

Acq: 30 May 2018 22:11

Instrument :

MSVOA_X

ClientSampled :

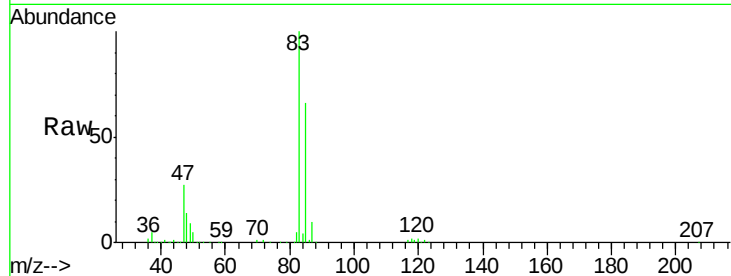
14B-1

Tgt Ion: 83 Resp: 283784

Ion Ratio Lower Upper

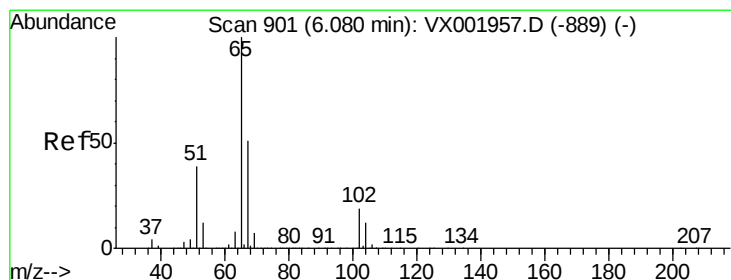
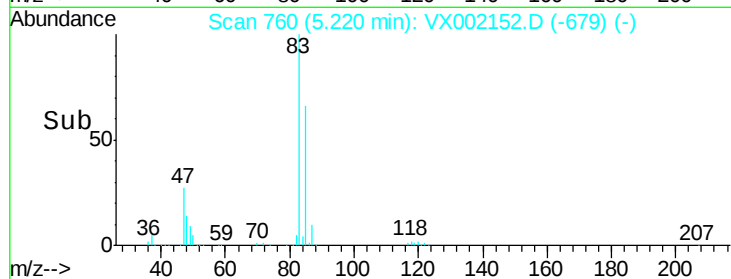
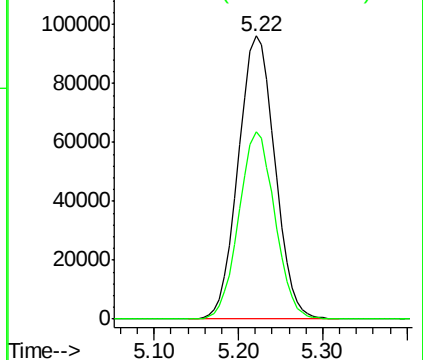
83 100

85 66.4 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 31.85 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX002152.D

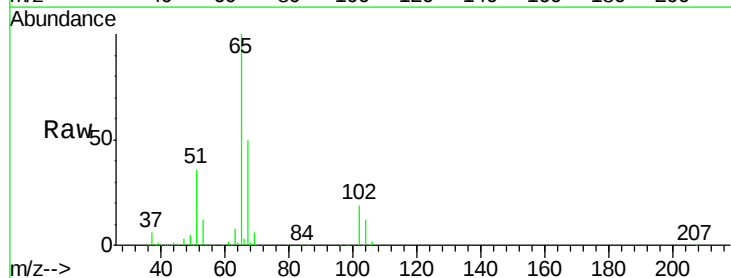
Acq: 30 May 2018 22:11

Tgt Ion: 65 Resp: 123439

Ion Ratio Lower Upper

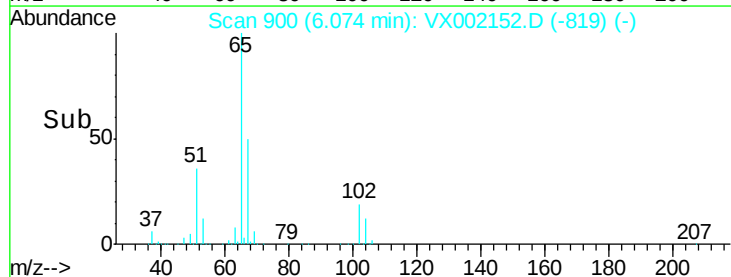
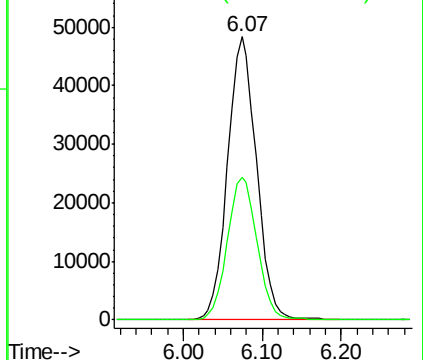
65 100

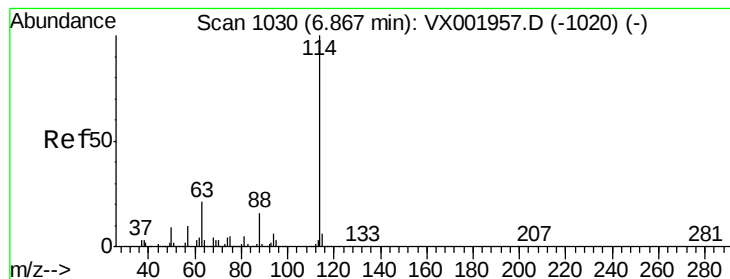
67 51.8 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002152.D

Acq: 30 May 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

14B-1

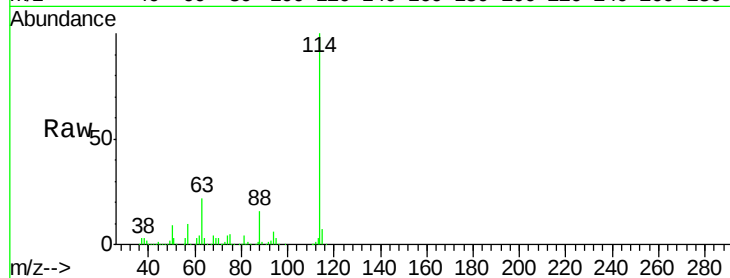
Tgt Ion: 114 Resp: 284188

Ion Ratio Lower Upper

114 100

63 21.4 17.1 25.7

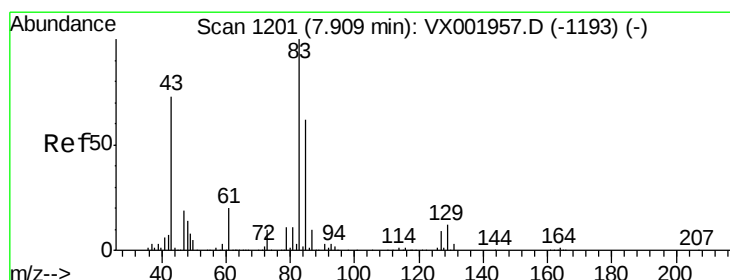
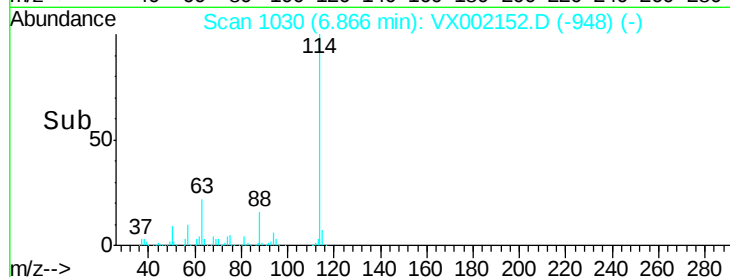
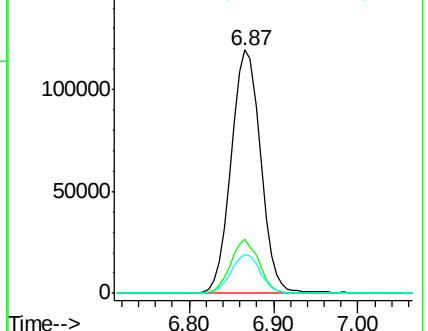
88 15.7 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#41

Bromodichloromethane

Concen: 9.78 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX002152.D

Acq: 30 May 2018 22:11

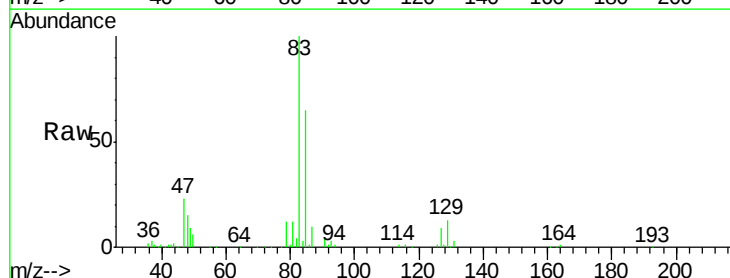
Tgt Ion: 83 Resp: 44212

Ion Ratio Lower Upper

83 100

85 65.2 49.8 74.8

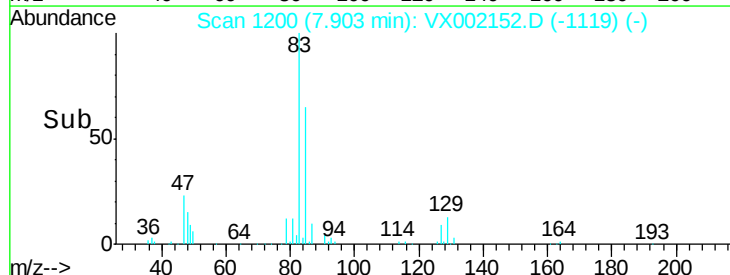
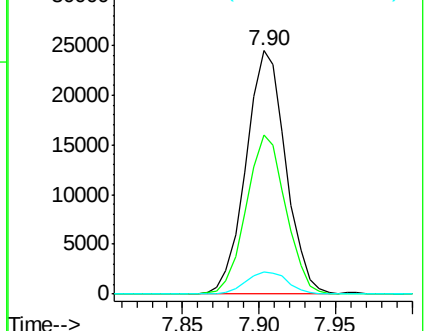
127 9.2 7.3 10.9

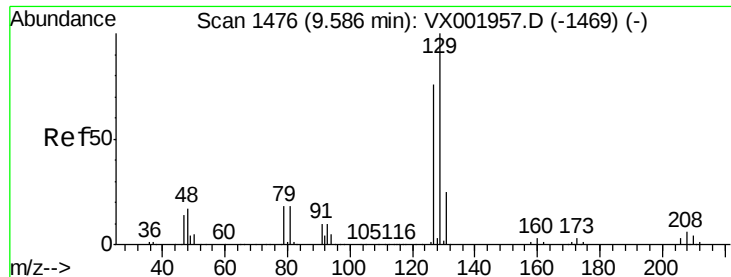


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V

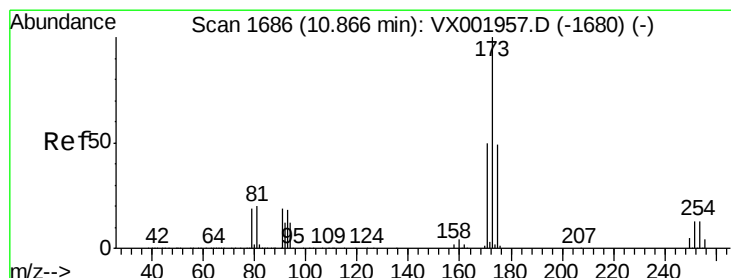
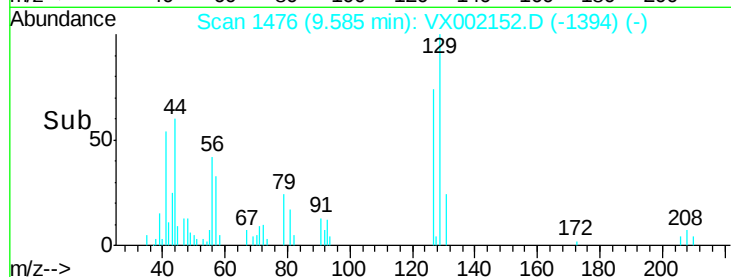
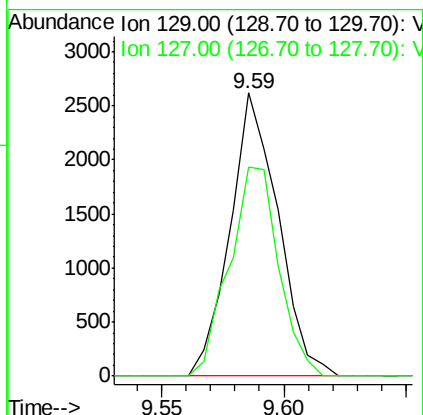
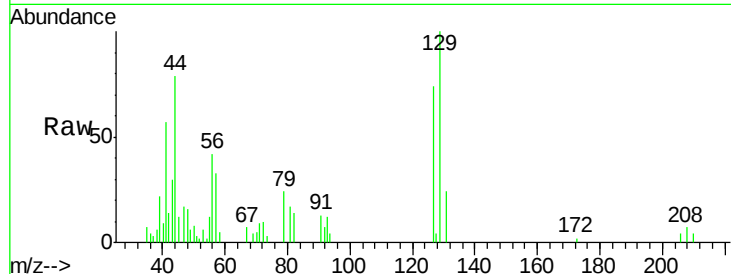




#53
Dibromochloromethane
Concen: 0.93 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002152.D
Acq: 30 May 2018 22:11

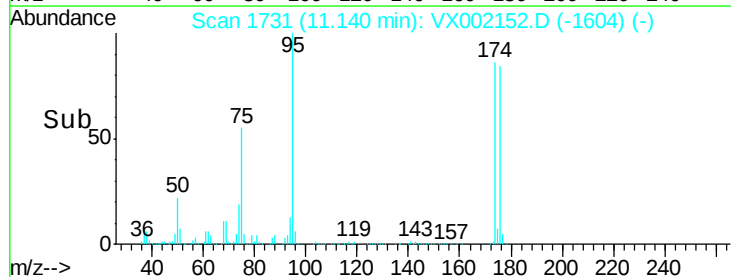
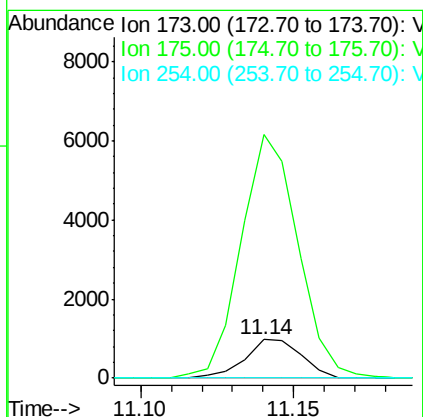
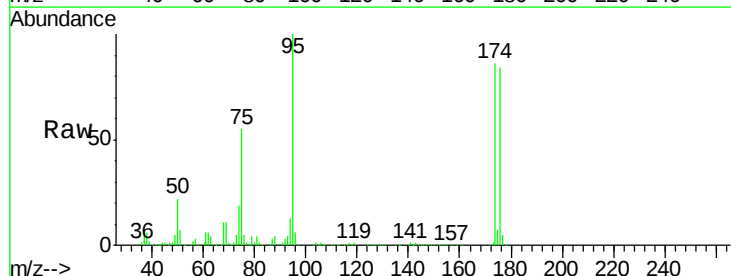
Instrument :
MSVOA_X
ClientSampleId :
14B-1

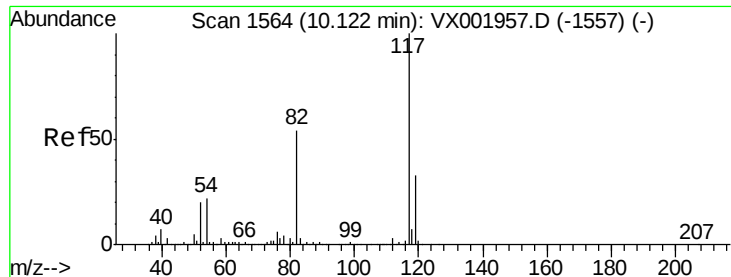
Tgt Ion:129 Resp: 3567
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.3



#56
Bromoform
Concen: 0.37 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.27 min
Lab File: VX002152.D
Acq: 30 May 2018 22:11

Tgt Ion:173 Resp: 1243
Ion Ratio Lower Upper
173 100
175 640.5 39.0 58.4#
254 0.0 9.6 14.4#

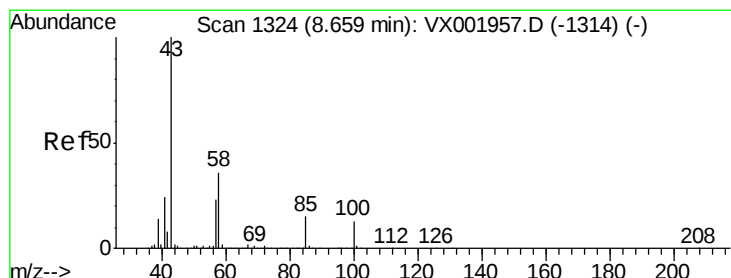
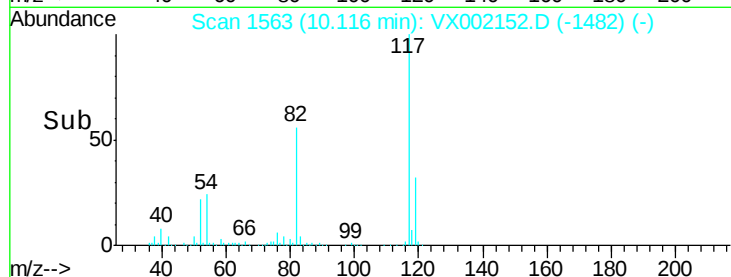
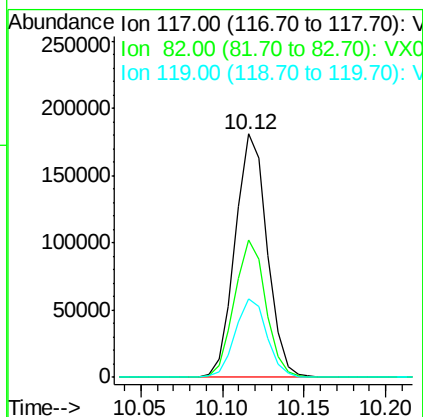
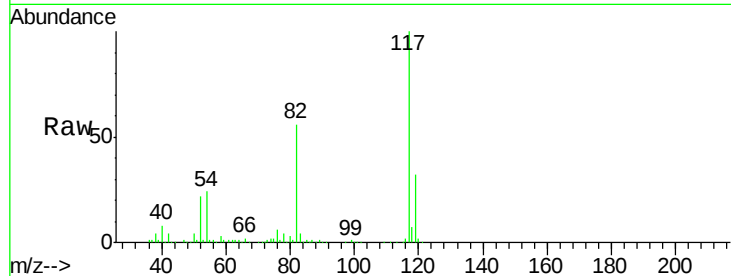




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002152.D
Acq: 30 May 2018 22:11

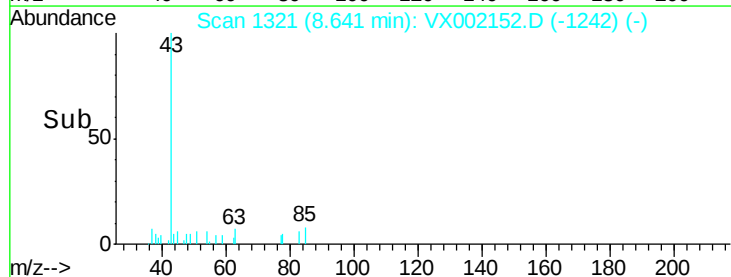
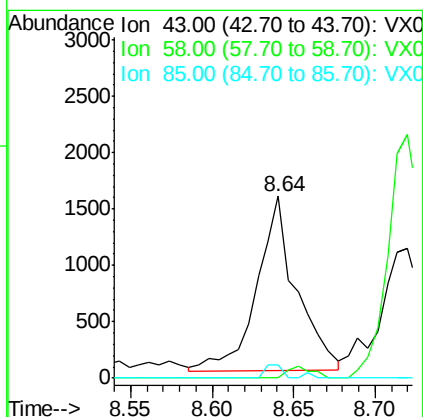
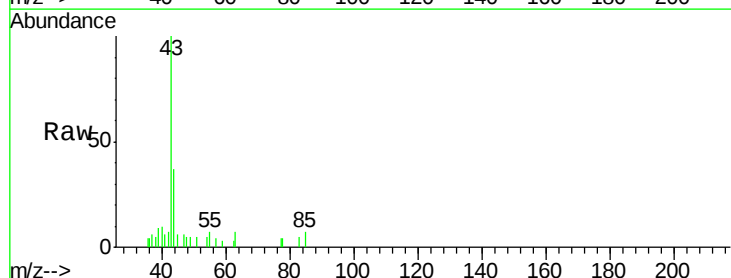
Instrument :
MSVOA_X
ClientSampleId :
14B-1

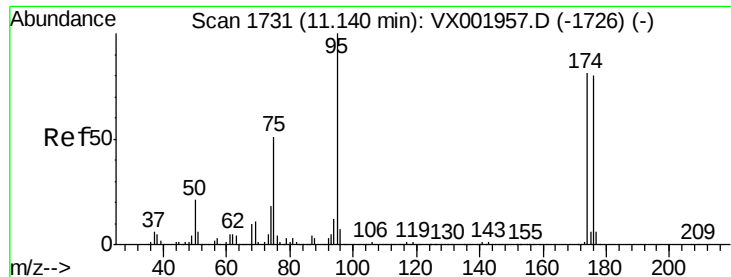
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.3	66.5
119	32.2	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 0.48 ug/l
RT: 8.64 min Scan# 1321
Delta R.T. -0.02 min
Lab File: VX002152.D
Acq: 30 May 2018 22:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	4.1	28.2	42.4#
85	3.3	12.4	18.6#





#60

4-Bromofluorobenzene

Concen: 27.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002152.D

Acq: 30 May 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

14B-1

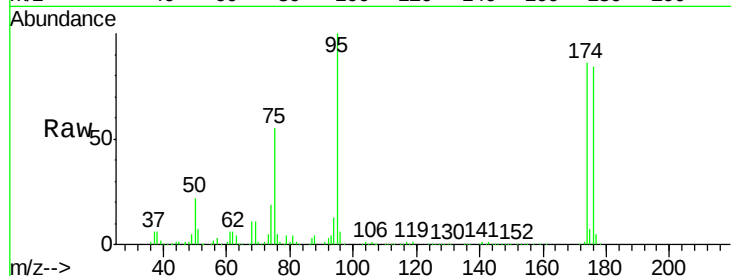
Tgt Ion: 95 Resp: 114535

Ion Ratio Lower Upper

95 100

174 90.7 71.8 107.6

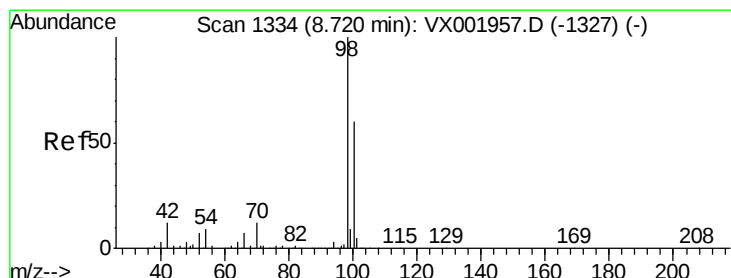
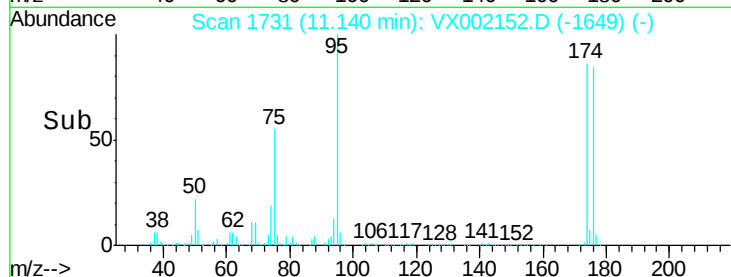
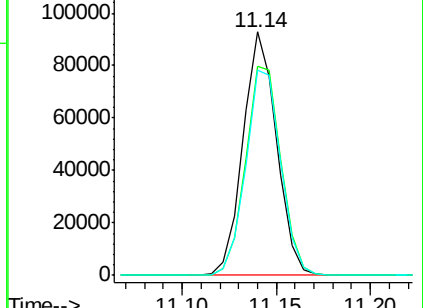
176 88.3 70.1 105.1



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 30.60 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002152.D

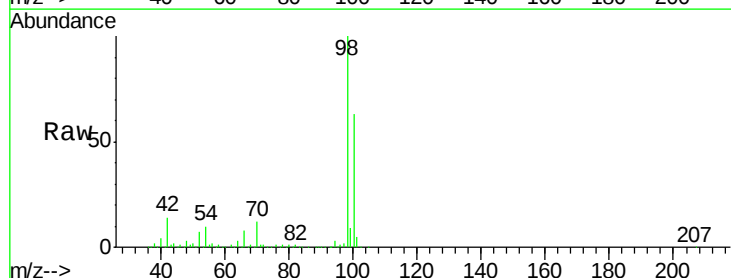
Acq: 30 May 2018 22:11

Tgt Ion: 98 Resp: 337378

Ion Ratio Lower Upper

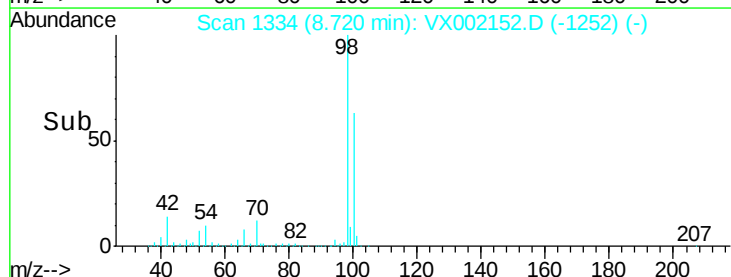
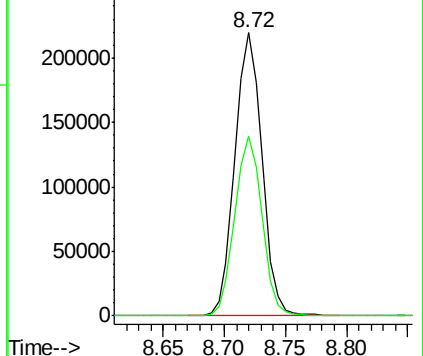
98 100

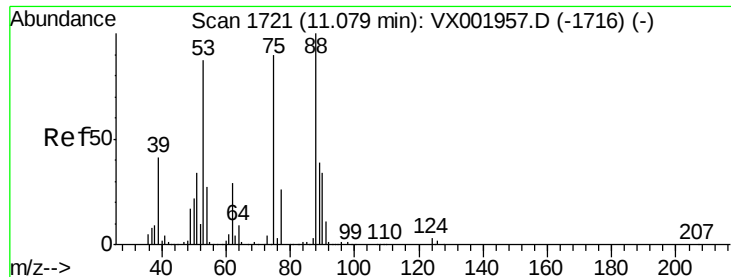
100 63.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#77
t-1,4-Dichloro-2-butene
Concen: 39.42 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002152.D
Acq: 30 May 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
14B-1

Tgt Ion: 75 Resp: 60942
Ion Ratio Lower Upper
75 100
53 0.1 48.3 144.9#
89 0.0 21.8 65.4#

