

Data File : VX002194.D
Acq On : 31 May 2018 23:29
Operator : JC/MD
Sample : J3212-03 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
14B-3

Quant Time: Jun 01 03:49:09 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	47450	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	269193	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	236602	30.00	ug/l	0.00

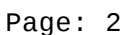
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	119144	31.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.37%
60) 4-Bromofluorobenzene	11.14	95	106737	26.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.83%
63) Toluene-d8	8.72	98	322644	30.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.00%

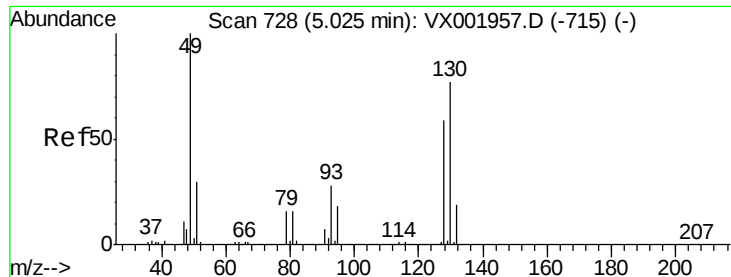
Target Compounds						Qvalue
5) Bromomethane	1.65	94	1492	0.89	ug/l	83
11) Methyl Iodide	2.52	142	1397	0.38	ug/l #	91
13) Acrolein	2.31	56	255	0.78	ug/l	88
15) Acetone	2.45	58	1402	3.34	ug/l	91
17) Allyl chloride	2.71	41	3278	0.67	ug/l #	44
18) Methylene Chloride	2.86	84	1840	0.69	ug/l	94
23) tert-Butyl Alcohol	3.03	59	3820	4.68	ug/l #	96
25) Chloroform	5.22	83	321244	61.70	ug/l	99
41) Bromodichloromethane	7.90	83	48186	11.26	ug/l	96
45) 1,4-Dioxane	7.90	88	76	0.93	ug/l #	1
53) Dibromochloromethane	9.59	129	3687	1.02	ug/l	94
58) 4-Methyl-2-Pentanone	8.64	43	2587	0.50	ug/l #	48
77) t-1,4-Dichloro-2-butene	11.14	75	58214	39.38	ug/l #	11

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

```
ALS Vial      : 24      Sample Multiplier: 1
```

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: VX002194.D

Acq: 31 May 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

14B-3

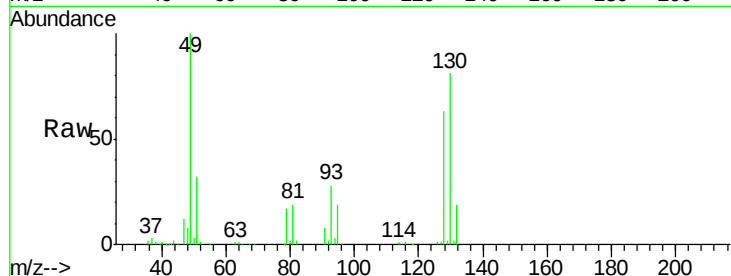
Tgt Ion:128 Resp: 47450

Ion Ratio Lower Upper

128 100

49 171.4 0.0 423.0

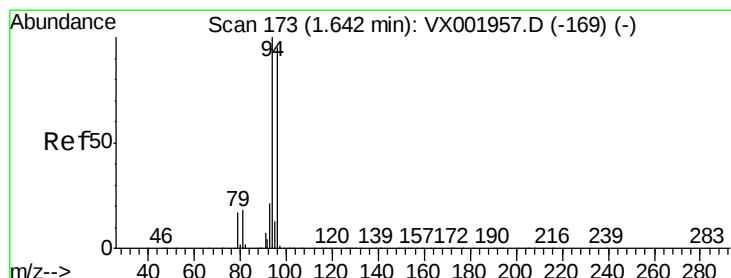
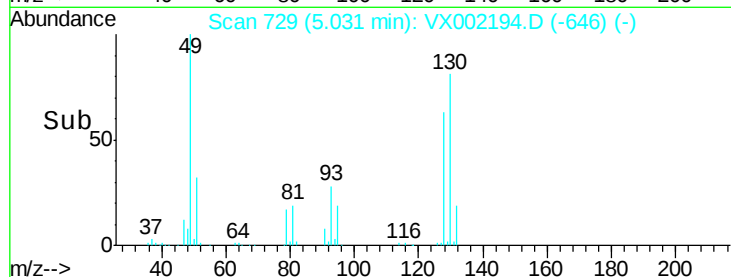
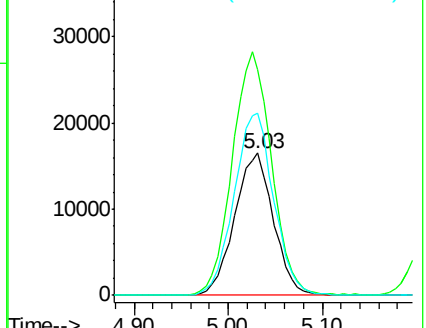
130 131.1 0.0 324.3



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



#5

Bromomethane

Concen: 0.89 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002194.D

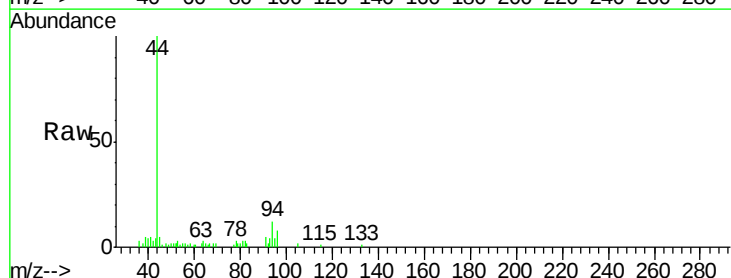
Acq: 31 May 2018 23:29

Tgt Ion: 94 Resp: 1492

Ion Ratio Lower Upper

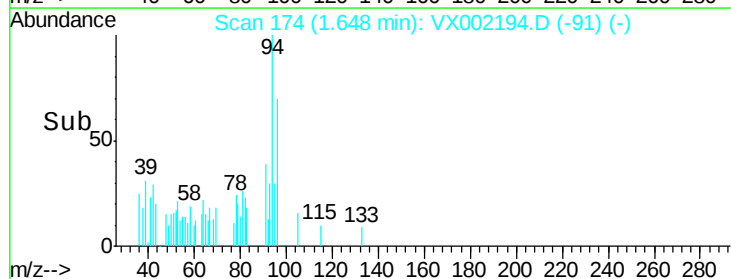
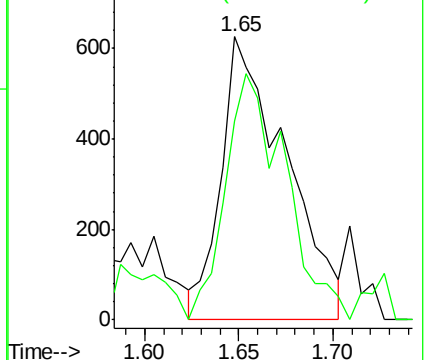
94 100

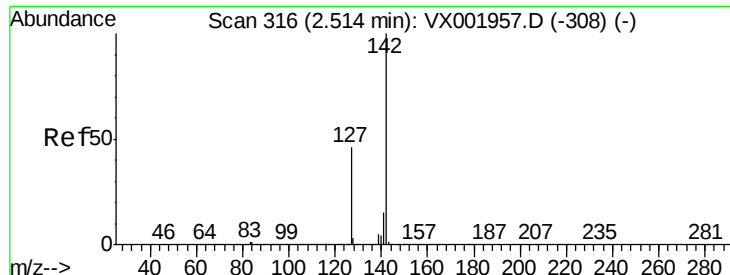
96 78.5 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

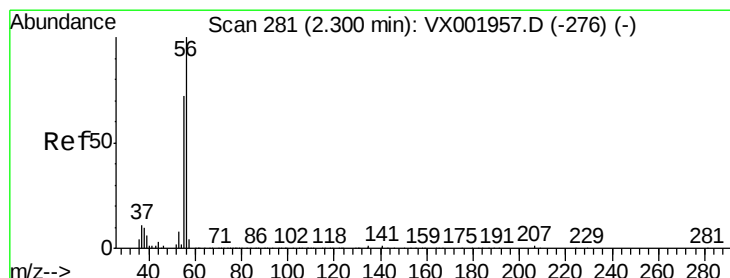
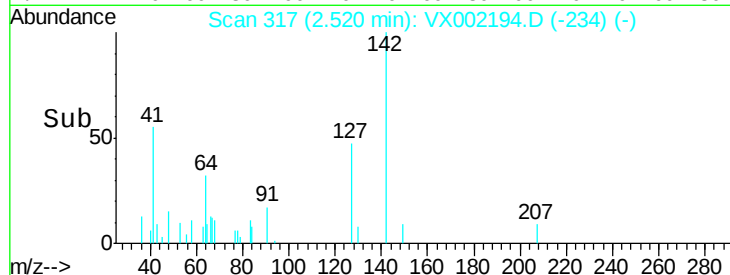
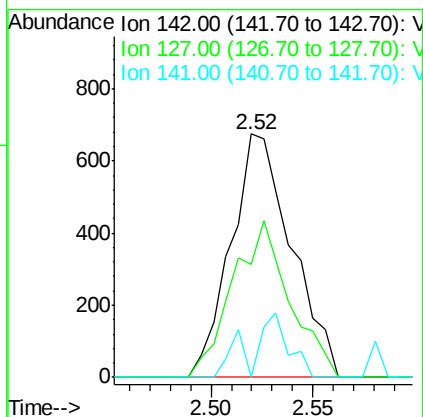
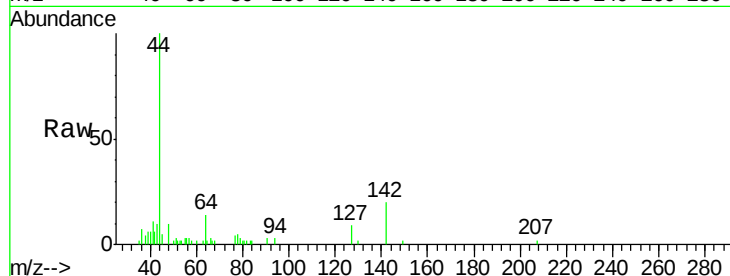




#11
Methyl Iodide
Concen: 0.38 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002194.D
Acq: 31 May 2018 23:29

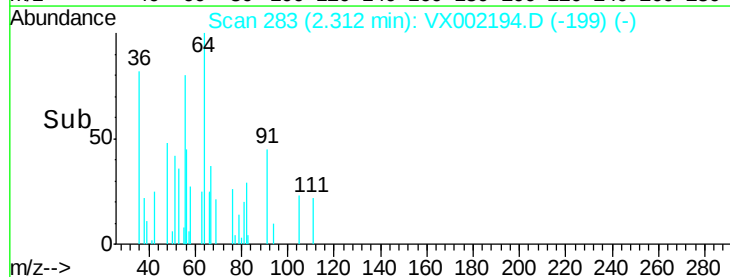
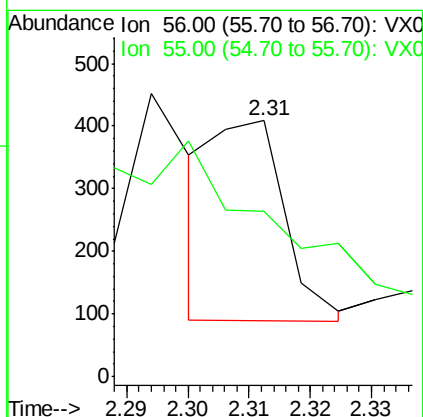
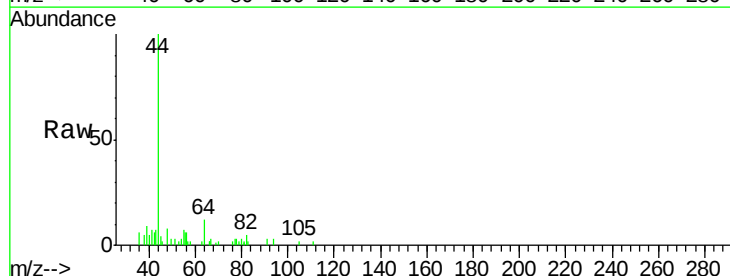
Instrument :
MSVOA_X
ClientSampled :
14B-3

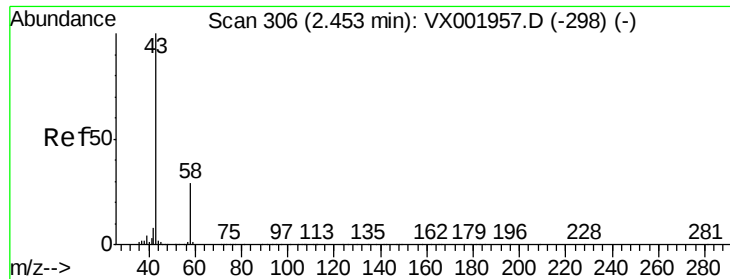
Tgt Ion: 142 Resp: 1397
Ion Ratio Lower Upper
142 100
127 46.7 23.2 69.6
141 0.0 7.4 22.2#



#13
Acrolein
Concen: 0.78 ug/l
RT: 2.31 min Scan# 283
Delta R.T. 0.01 min
Lab File: VX002194.D
Acq: 31 May 2018 23:29

Tgt Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
55 62.0 57.3 85.9





#15

Acetone

Concen: 3.34 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002194.D

Acq: 31 May 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

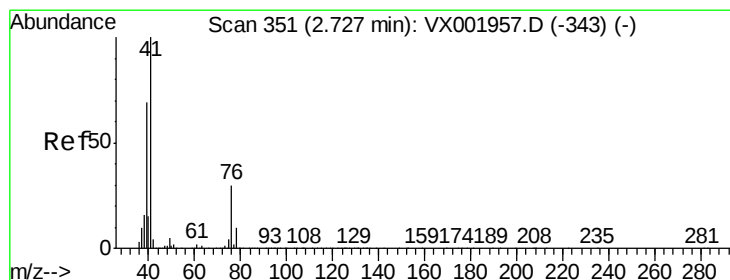
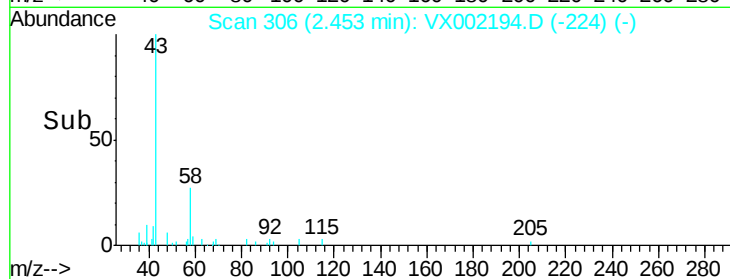
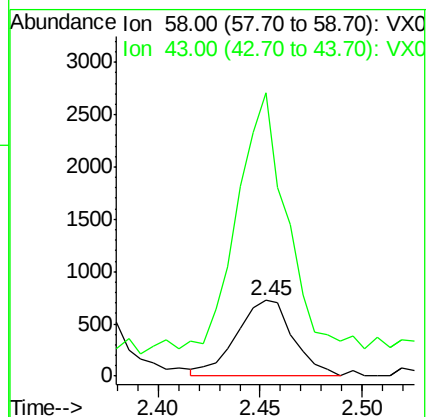
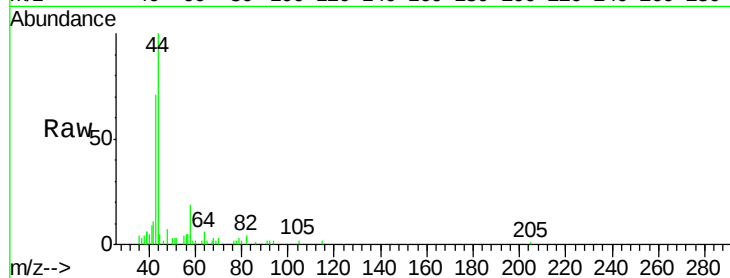
14B-3

Tgt Ion: 58 Resp: 1402

Ion Ratio Lower Upper

58 100

43 328.8 278.8 418.2



#17

Allyl chloride

Concen: 0.67 ug/l

RT: 2.71 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX002194.D

Acq: 31 May 2018 23:29

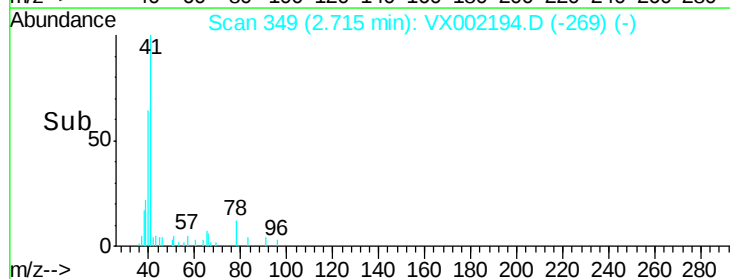
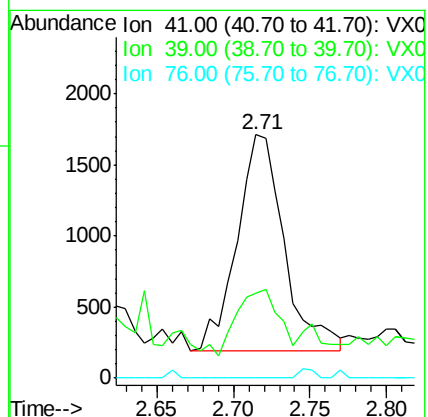
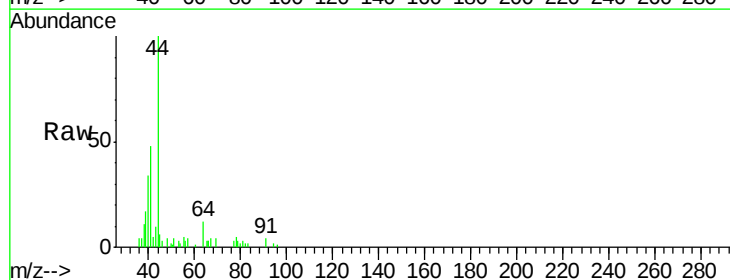
Tgt Ion: 41 Resp: 3278

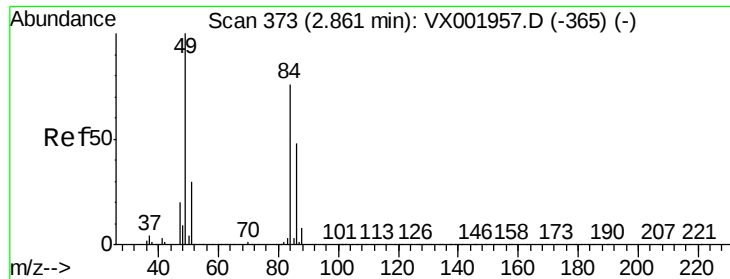
Ion Ratio Lower Upper

41 100

39 23.9 34.6 103.8#

76 0.0 15.0 45.1#

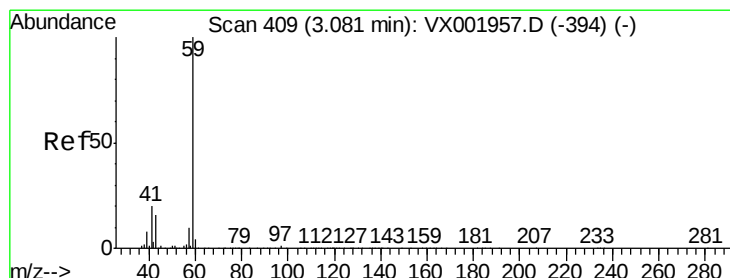
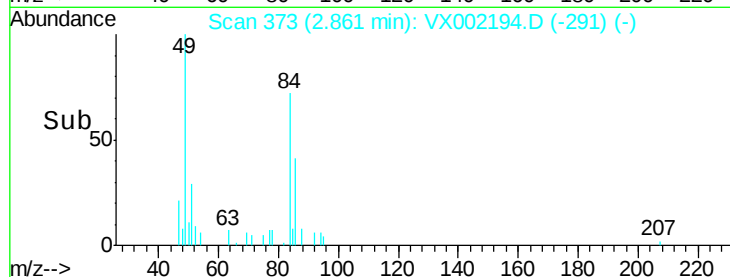
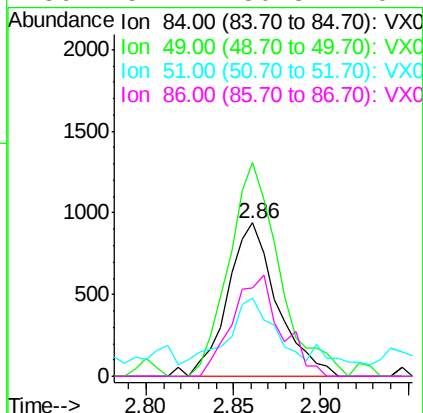
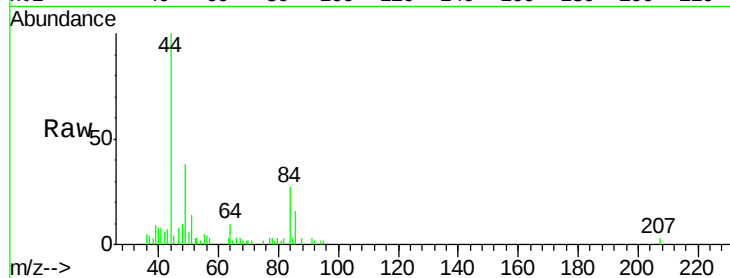




#18
Methylene Chloride
Concen: 0.69 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002194.D
Acq: 31 May 2018 23:29

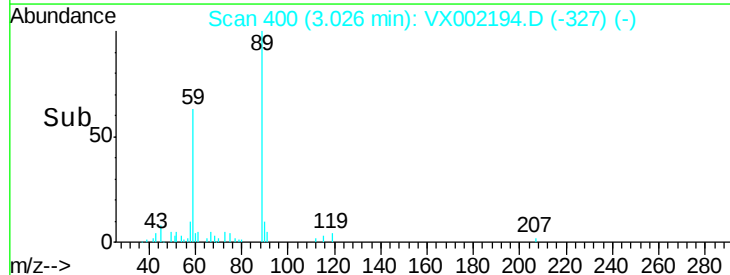
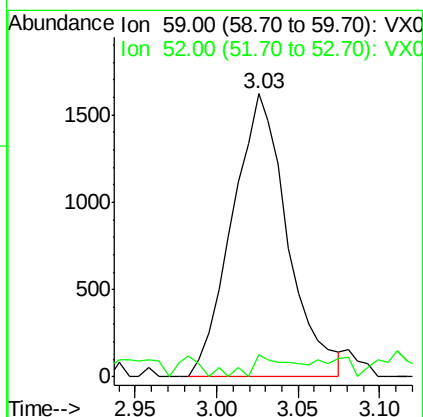
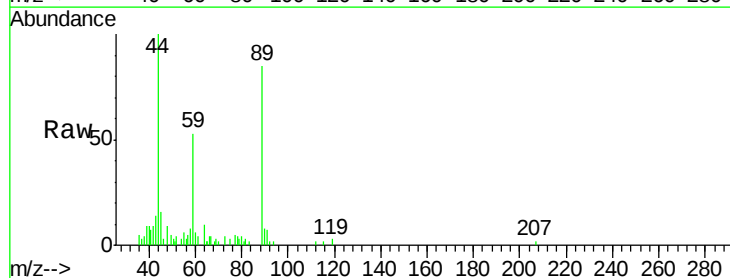
Instrument :
MSVOA_X
ClientSampleId :
14B-3

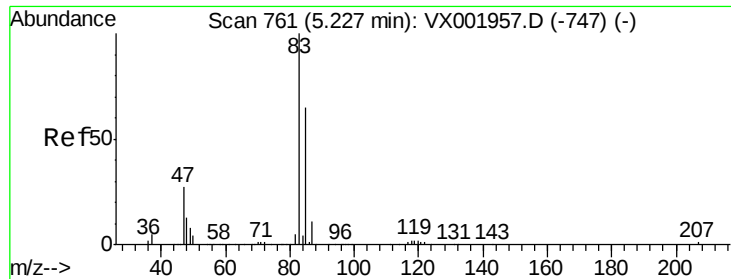
Tgt Ion:	84	Resp:	1840
Ion	Ratio	Lower	Upper
84	100		
49	139.1	104.7	157.1
51	40.1	31.0	46.4
86	57.7	50.8	76.2



#23
tert-Butyl Alcohol
Concen: 4.68 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX002194.D
Acq: 31 May 2018 23:29

Tgt Ion:	59	Resp:	3820
Ion	Ratio	Lower	Upper
59	100		
52	5.1	0.2	0.2#





#25

Chloroform

Concen: 61.70 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX002194.D

Acq: 31 May 2018 23:29

Instrument :

MSVOA_X

ClientSampled :

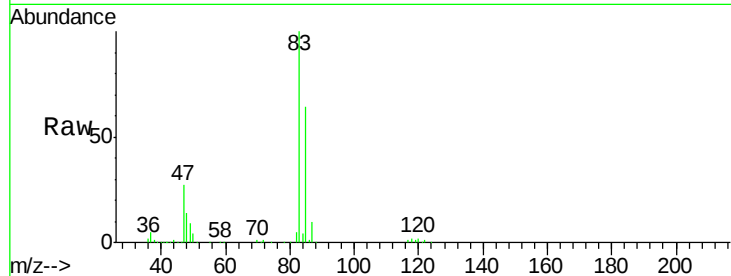
14B-3

Tgt Ion: 83 Resp: 321244

Ion Ratio Lower Upper

83 100

85 64.4 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

5.22

120000

100000

80000

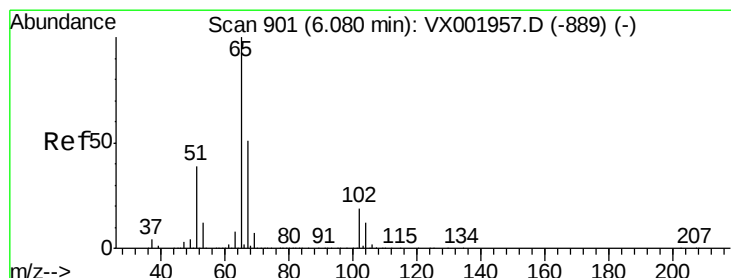
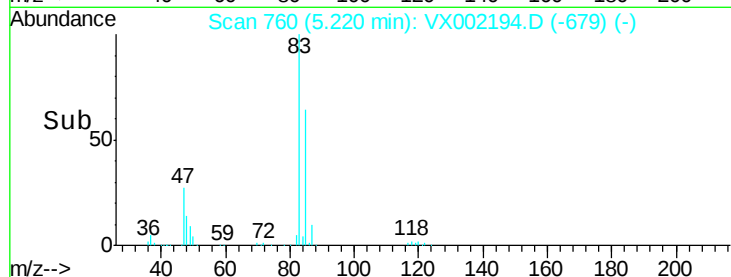
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane-d4

Concen: 31.91 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX002194.D

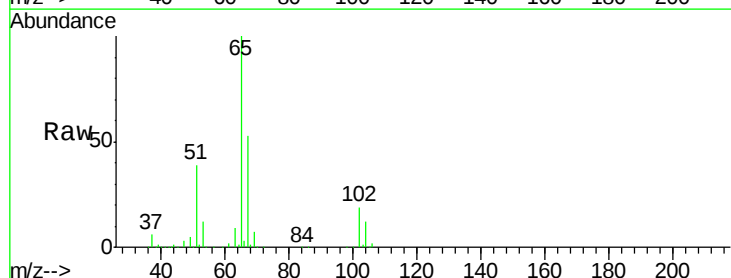
Acq: 31 May 2018 23:29

Tgt Ion: 65 Resp: 119144

Ion Ratio Lower Upper

65 100

67 51.6 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.07

50000

40000

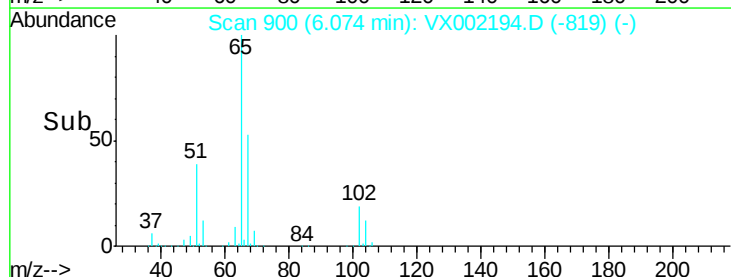
30000

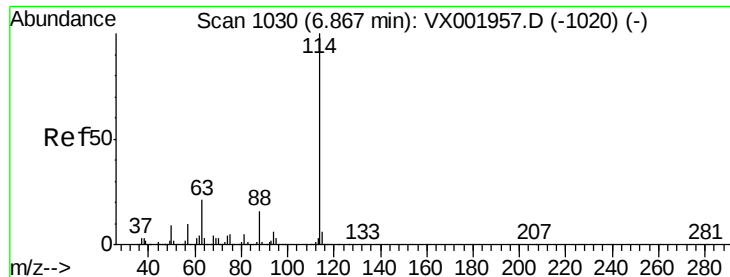
20000

10000

0

Time-->

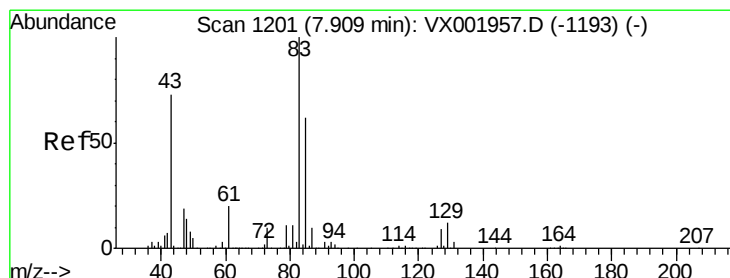
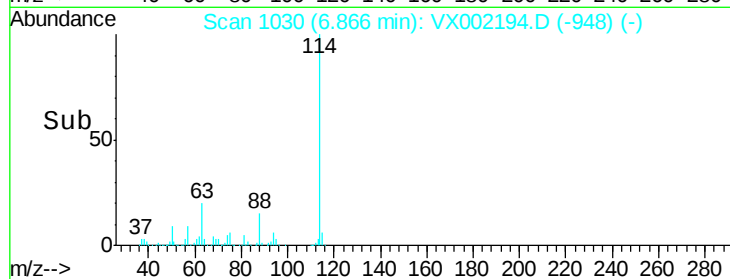
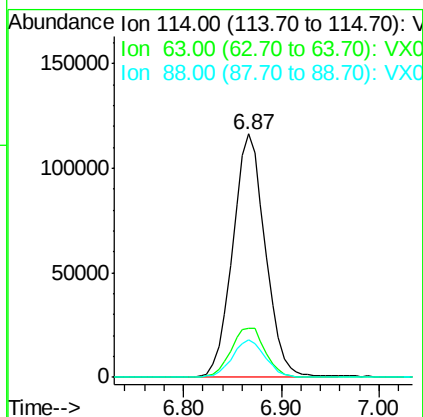
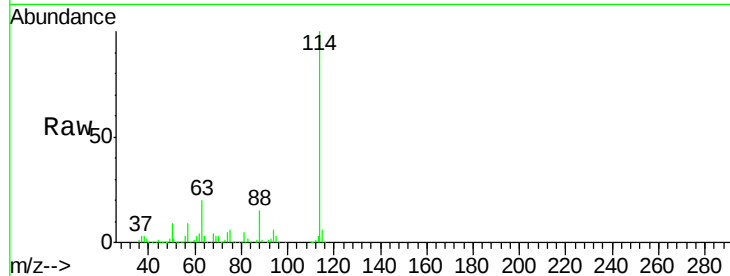




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002194.D
 Acq: 31 May 2018 23:29

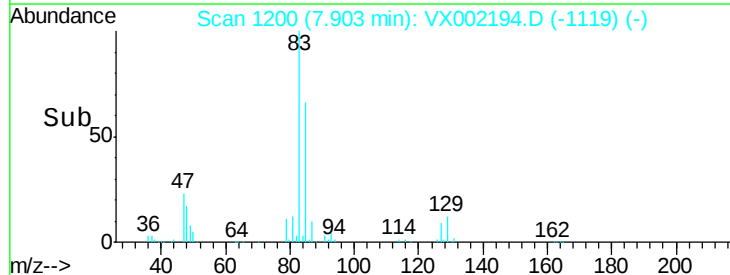
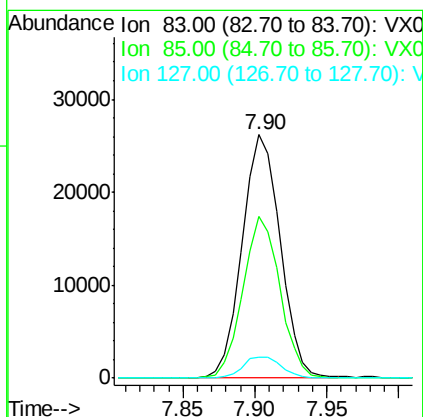
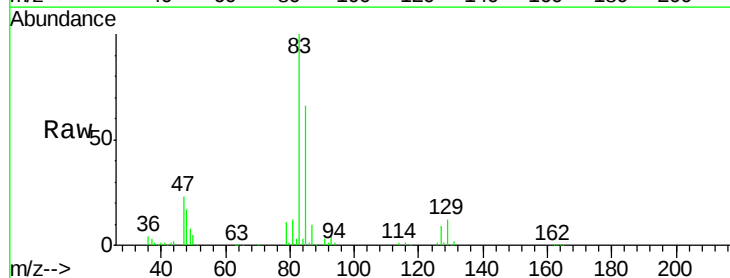
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

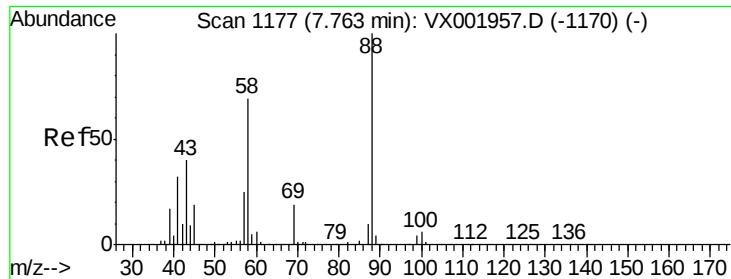
Tgt Ion: 114 Resp: 269193
 Ion Ratio Lower Upper
 114 100
 63 21.2 17.1 25.7
 88 15.5 12.6 19.0



#41
 Bromodichloromethane
 Concen: 11.26 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VX002194.D
 Acq: 31 May 2018 23:29

Tgt Ion: 83 Resp: 48186
 Ion Ratio Lower Upper
 83 100
 85 66.2 49.8 74.8
 127 9.3 7.3 10.9

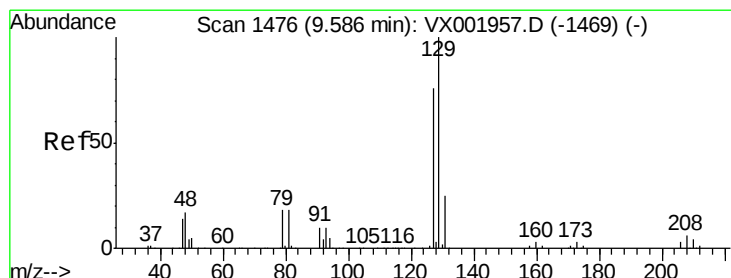
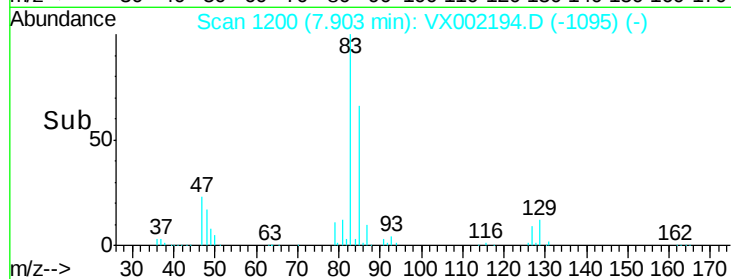
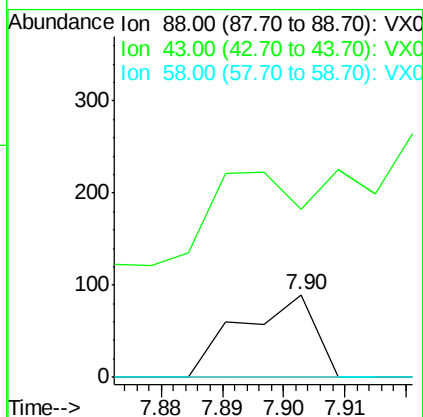
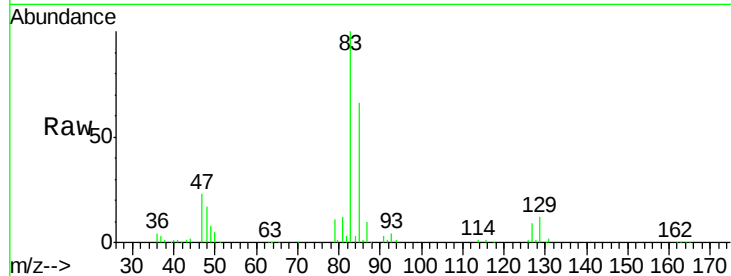




#45
 1,4-Dioxane
 Concen: 0.93 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. 0.14 min
 Lab File: VX002194.D
 Acq: 31 May 2018 23:29

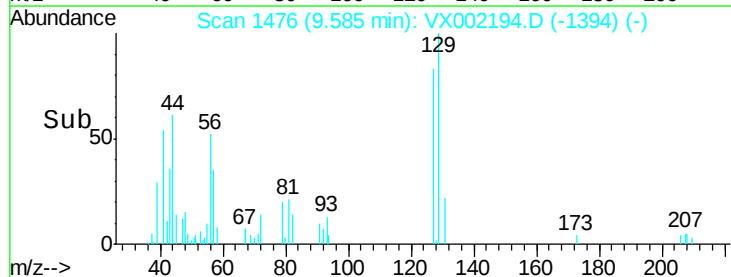
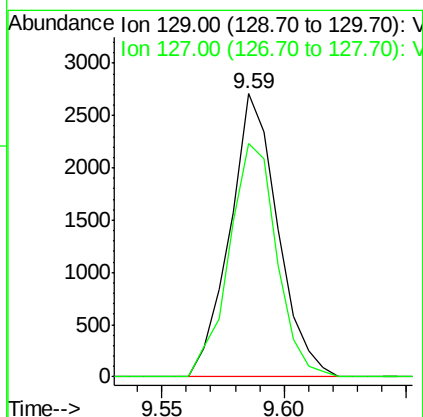
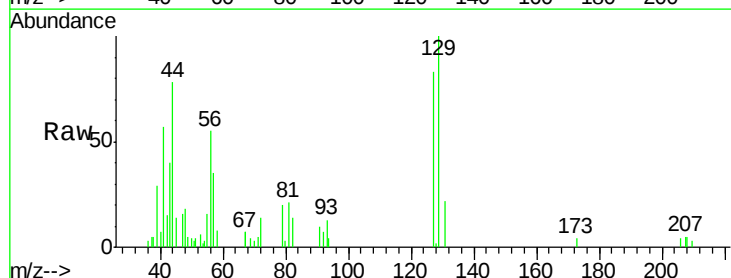
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

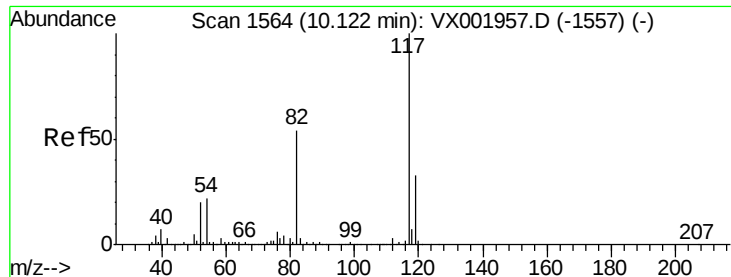
Tgt Ion: 88 Resp: 76
 Ion Ratio Lower Upper
 88 100
 43 317.1 43.2 64.8#
 58 0.0 60.2 90.2#



#53
 Dibromochloromethane
 Concen: 1.02 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VX002194.D
 Acq: 31 May 2018 23:29

Tgt Ion: 129 Resp: 3687
 Ion Ratio Lower Upper
 129 100
 127 81.9 38.5 115.3

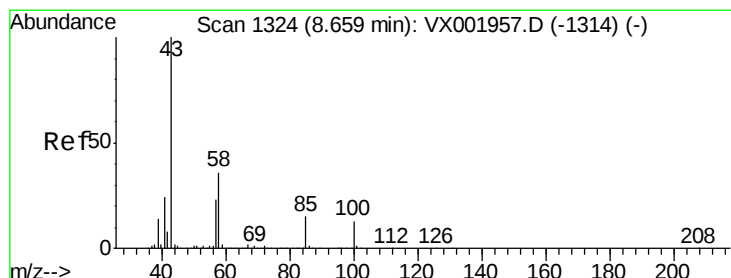
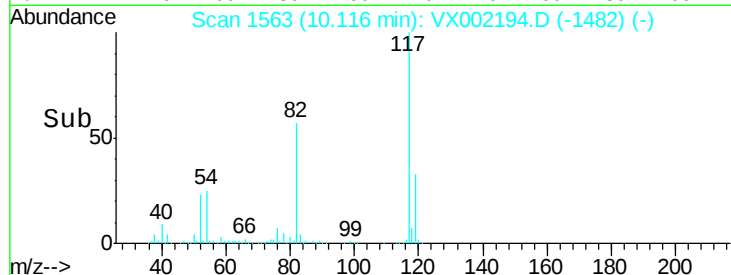
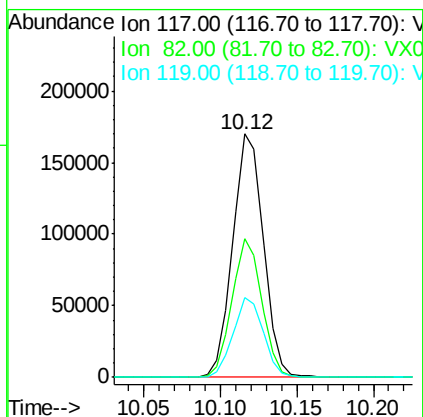
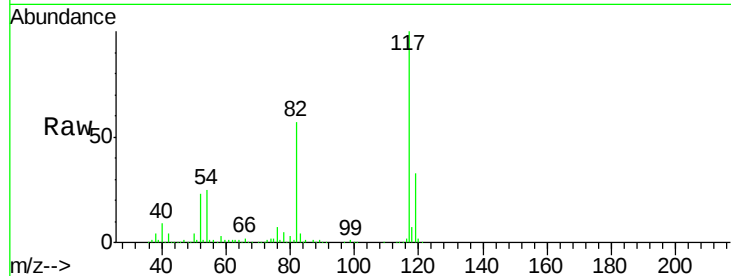




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002194.D
Acq: 31 May 2018 23:29

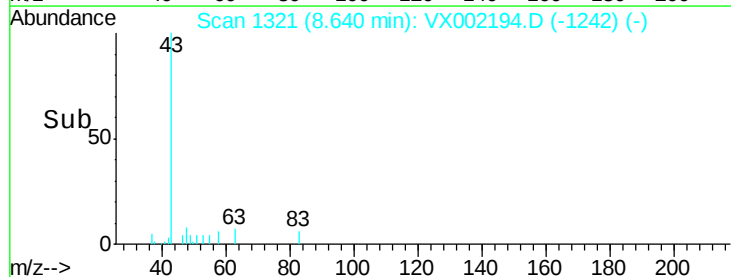
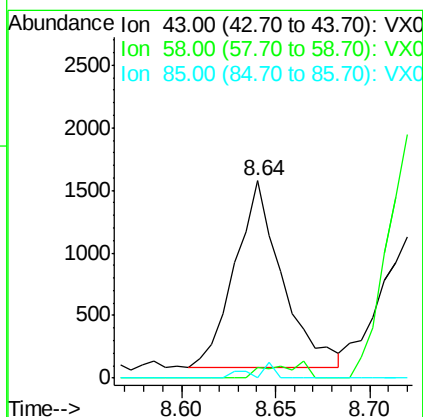
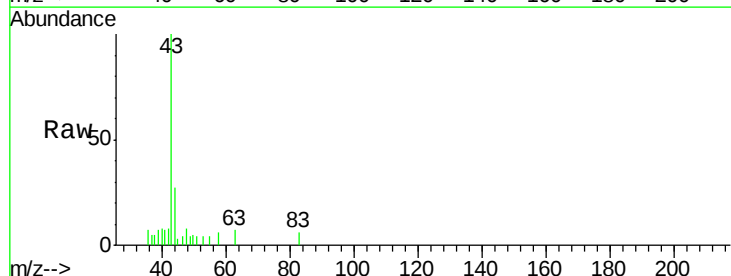
Instrument :
MSVOA_X
ClientSampled :
14B-3

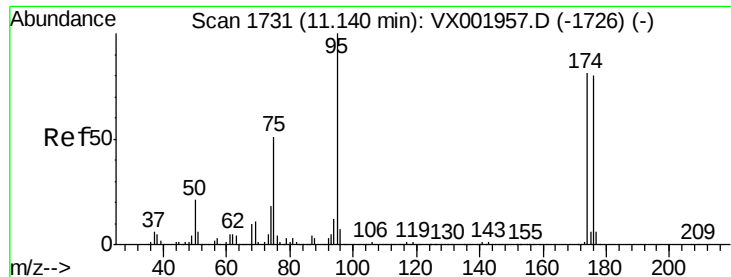
Tgt Ion: 117 Resp: 236602
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 32.0 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.64 min Scan# 1321
Delta R.T. -0.02 min
Lab File: VX002194.D
Acq: 31 May 2018 23:29

Tgt Ion: 43 Resp: 2587
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.4#
85 1.6 12.4 18.6#

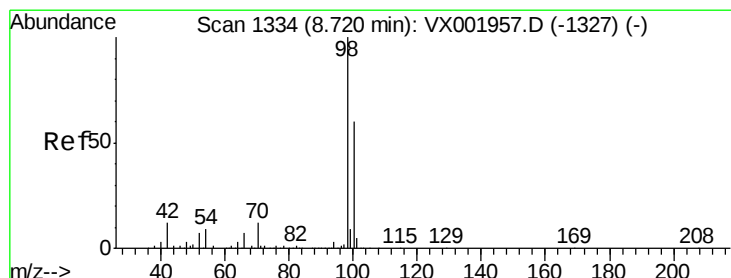
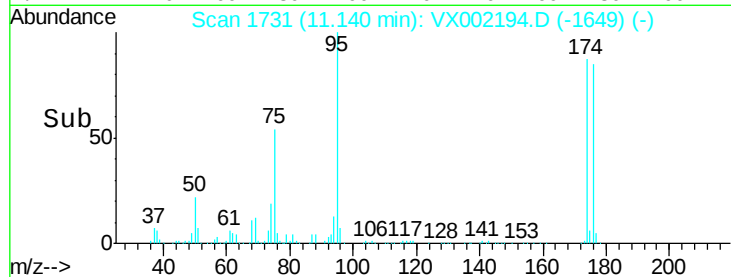
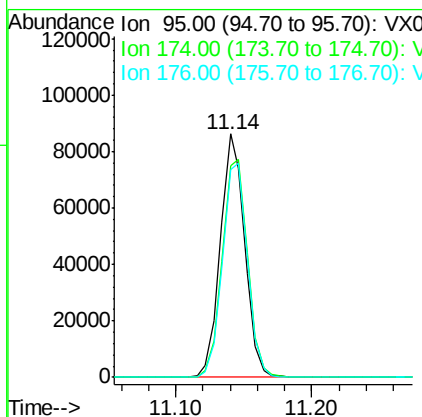
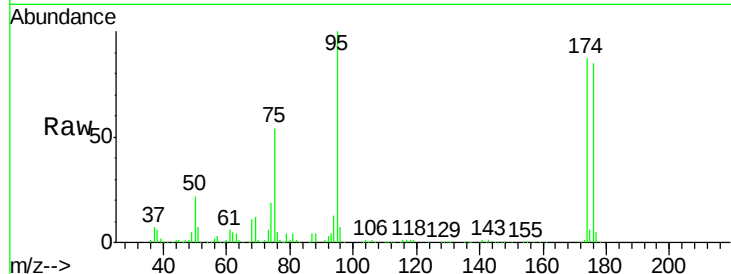




#60
4-Bromofluorobenzene
Concen: 26.35 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002194.D
Acq: 31 May 2018 23:29

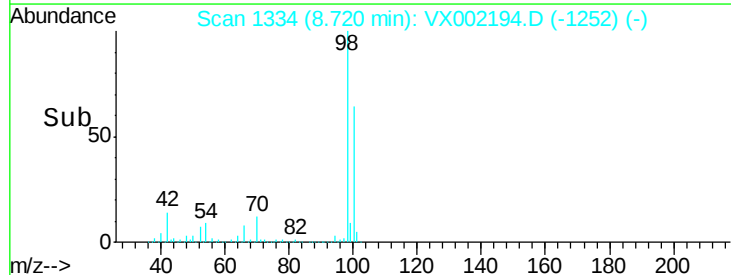
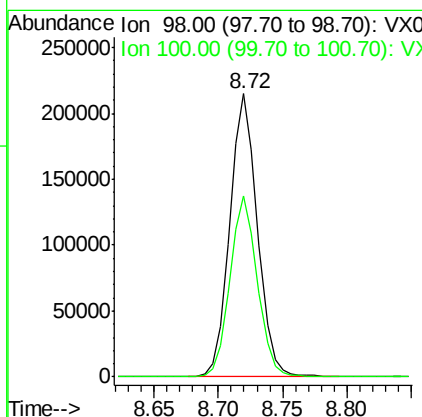
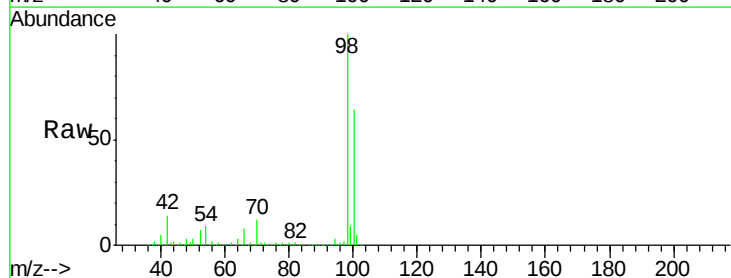
Instrument :
MSVOA_X
ClientSampleId :
14B-3

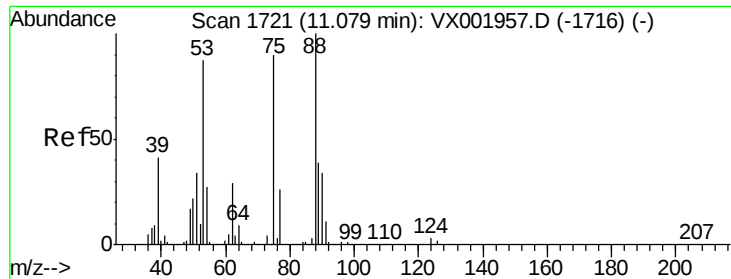
Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	71.8	107.6
176	90.3	70.1	105.1



#63
Toluene-d8
Concen: 30.60 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002194.D
Acq: 31 May 2018 23:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.8	76.2





#77
t-1,4-Dichloro-2-butene
Concen: 39.38 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002194.D
Acq: 31 May 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
14B-3

Tgt Ion: 75 Resp: 58214
Ion Ratio Lower Upper
75 100
53 0.0 48.3 144.9#
89 0.0 21.8 65.4#

