

Data File : VX002195.D
Acq On : 31 May 2018 23:56
Operator : JC/MD
Sample : J3212-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Quant Time: Jun 01 03:49:37 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	47994	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	268193	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	234549	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	121617	32.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.33%
60) 4-Bromofluorobenzene	11.14	95	106269	26.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.23%
63) Toluene-d8	8.72	98	322100	30.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.70%

Target Compounds

						Qvalue
5) Bromomethane	1.62	94	436	0.26	ug/l	85
11) Methyl Iodide	2.52	142	1487	0.40	ug/l	96
13) Acrolein	2.34	56	151	0.46	ug/l	95
15) Acetone	2.45	58	1496	3.52	ug/l	96
18) Methylene Chloride	2.86	84	2025	0.75	ug/l #	81
23) tert-Butyl Alcohol	3.09	59	262	0.32	ug/l #	66
25) Chloroform	5.22	83	365503	69.40	ug/l	99
41) Bromodichloromethane	7.90	83	54428	12.76	ug/l	97
52) 1,3-Dichloropropane	9.06	76	1467	0.29	ug/l #	43
53) Dibromochloromethane	9.59	129	4372	1.21	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	2446	0.48	ug/l #	49
77) t-1,4-Dichloro-2-butene	11.14	75	56995	38.89	ug/l #	11

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 25 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

14B-4

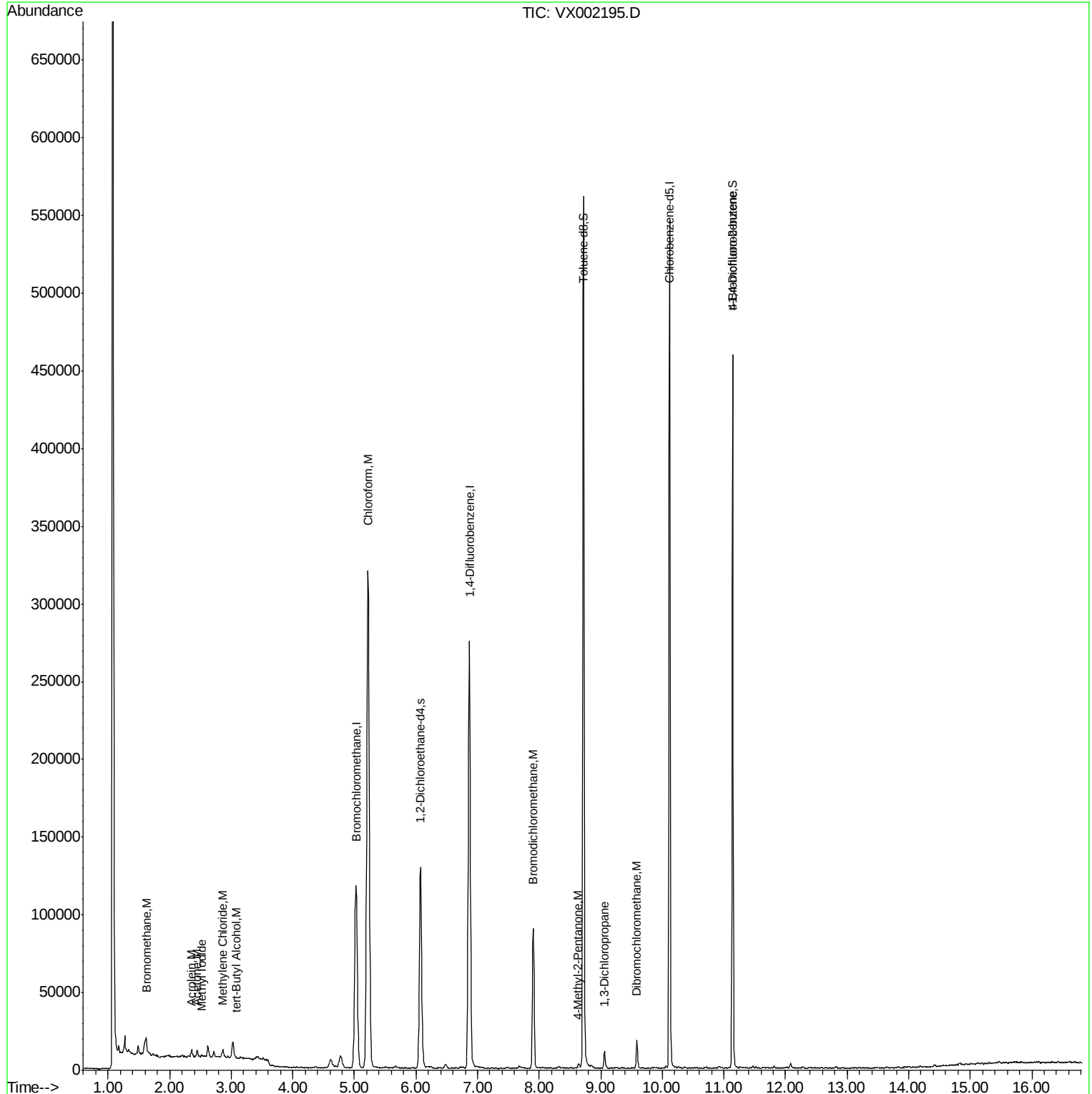
Quant Time: Jun 01 03:49:37 2018

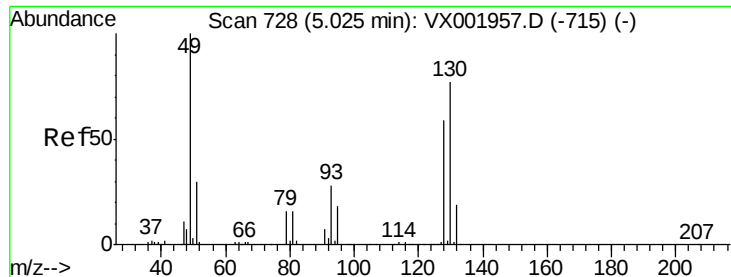
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M

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# 728

Delta R.T. 0.00 min

Lab File: VX002195.D

Acq: 31 May 2018 23:56

Instrument :

MSVOA_X

ClientSampled :

14B-4

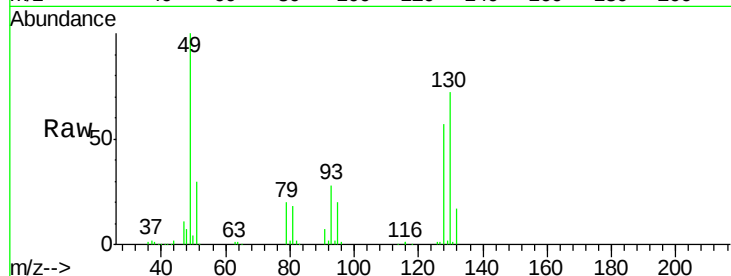
Tgt Ion:128 Resp: 47994

Ion Ratio Lower Upper

128 100

49 173.5 0.0 423.0

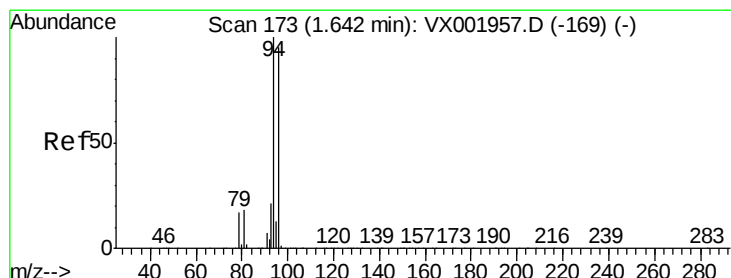
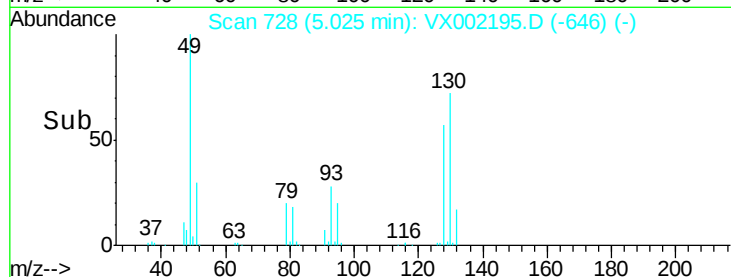
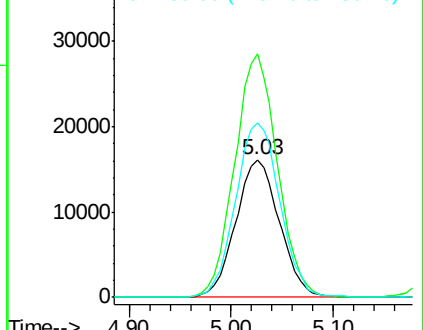
130 128.7 0.0 324.3



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: 0.26 ug/l

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX002195.D

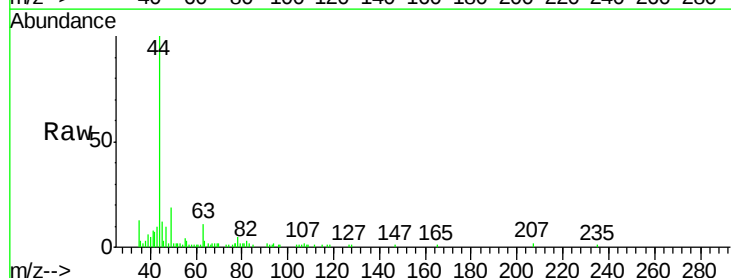
Acq: 31 May 2018 23:56

Tgt Ion: 94 Resp: 436

Ion Ratio Lower Upper

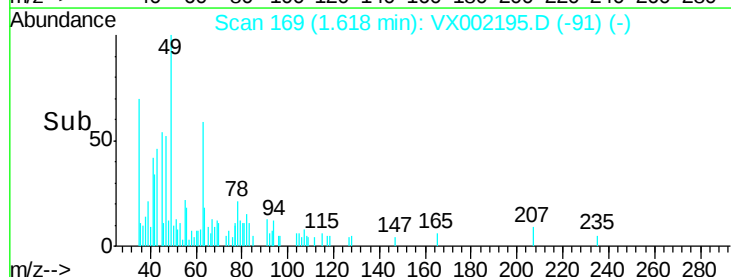
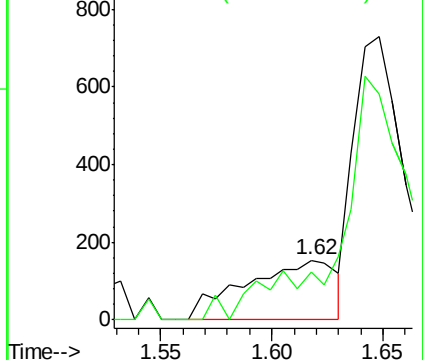
94 100

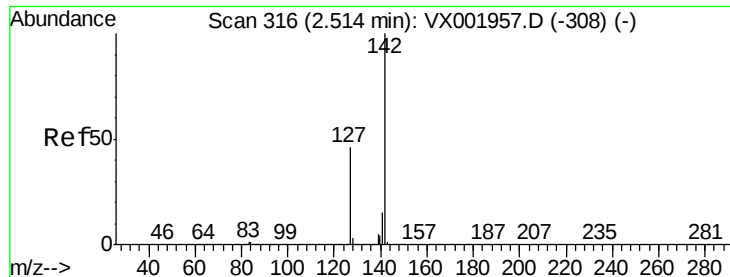
96 80.5 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

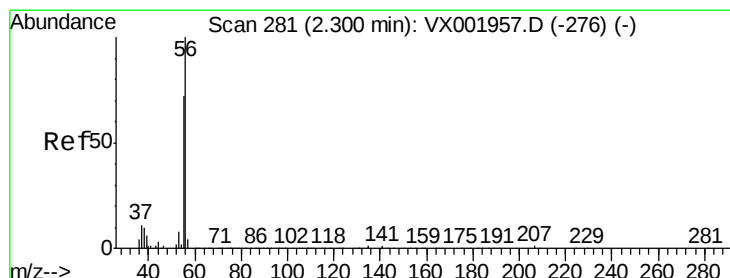
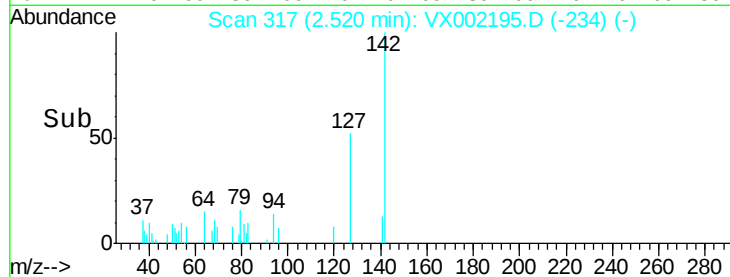
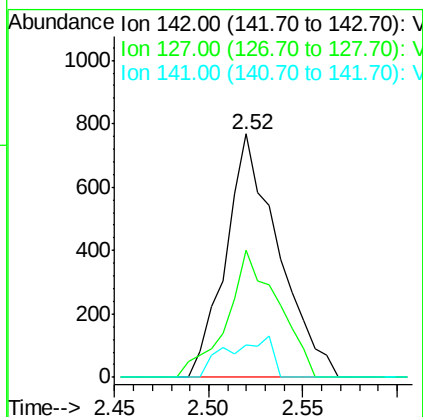
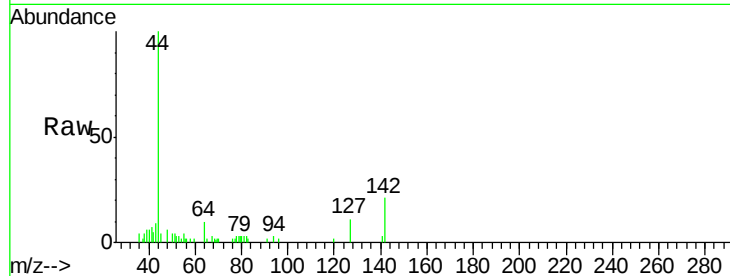




#11
Methyl Iodide
Concen: 0.40 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002195.D
Acq: 31 May 2018 23:56

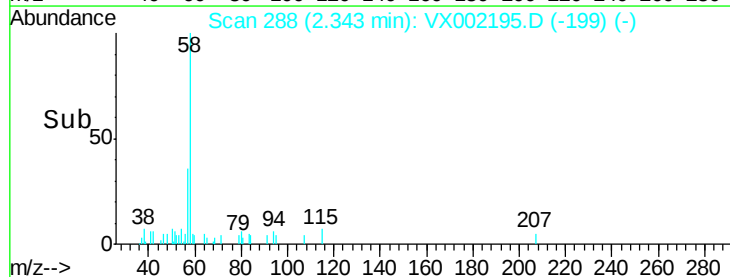
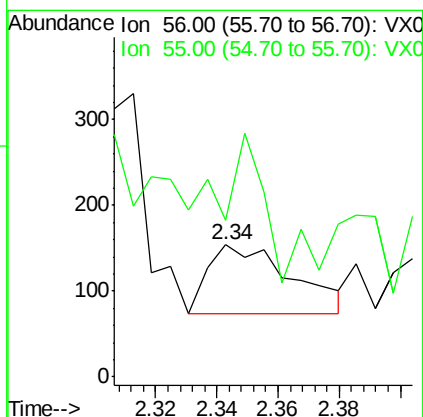
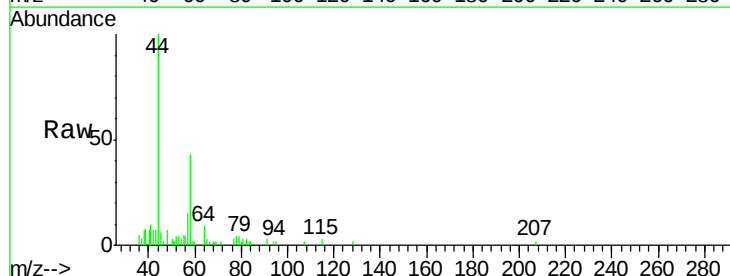
Instrument :
MSVOA_X
ClientSampled :
14B-4

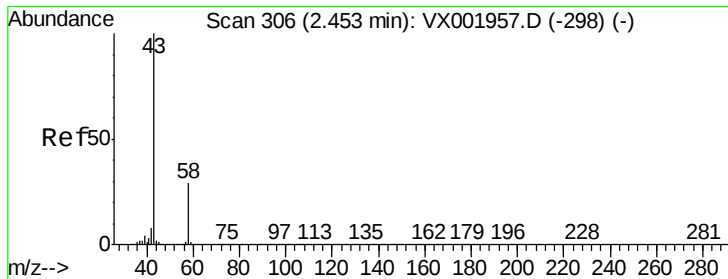
Tgt Ion: 142 Resp: 1487
Ion Ratio Lower Upper
142 100
127 49.0 23.2 69.6
141 13.4 7.4 22.2



#13
Acrolein
Concen: 0.46 ug/l
RT: 2.34 min Scan# 288
Delta R.T. 0.04 min
Lab File: VX002195.D
Acq: 31 May 2018 23:56

Tgt Ion: 56 Resp: 151
Ion Ratio Lower Upper
56 100
55 67.5 57.3 85.9

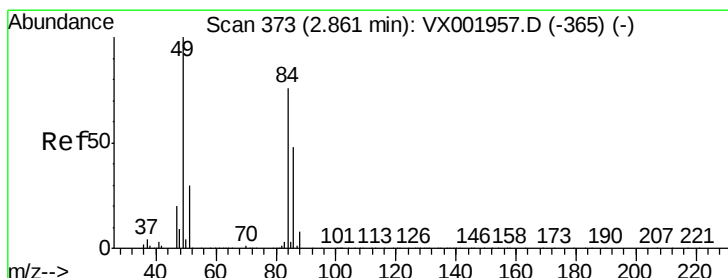
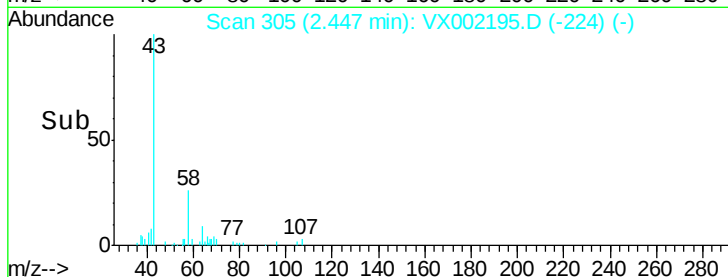
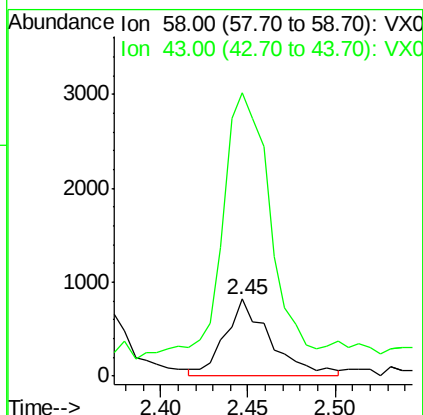
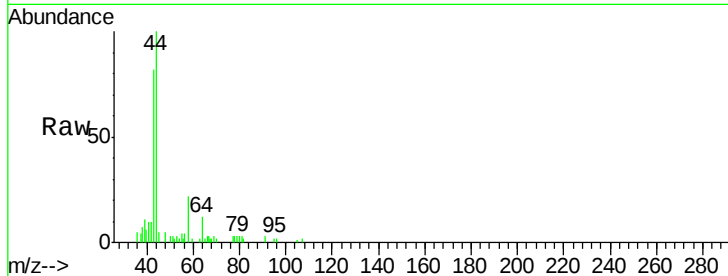




#15
Acetone
Concen: 3.52 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002195.D
Acq: 31 May 2018 23:56

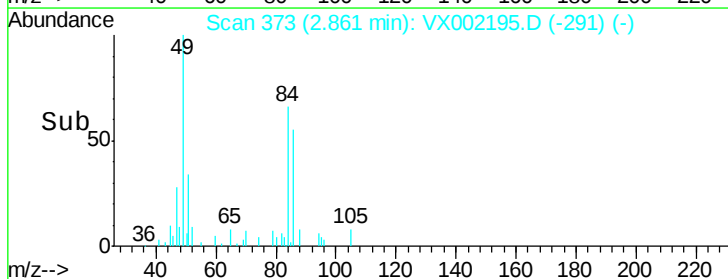
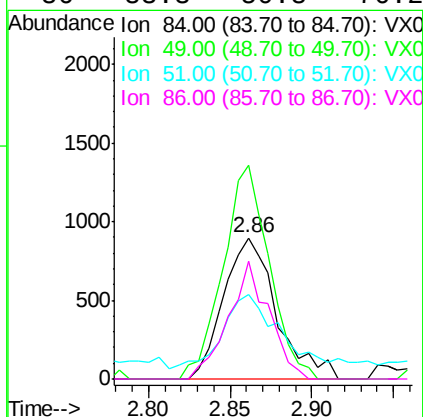
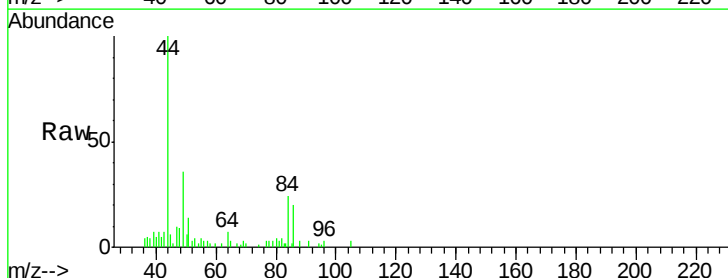
Instrument :
MSVOA_X
ClientSampleId :
14B-4

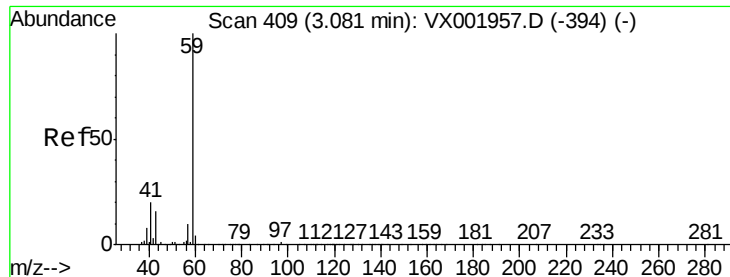
Tgt Ion: 58 Resp: 1496
Ion Ratio Lower Upper
58 100
43 357.0 278.8 418.2



#18
Methylene Chloride
Concen: 0.75 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002195.D
Acq: 31 May 2018 23:56

Tgt Ion: 84 Resp: 2025
Ion Ratio Lower Upper
84 100
49 151.1 104.7 157.1
51 46.7 31.0 46.4#
86 83.3 50.8 76.2#

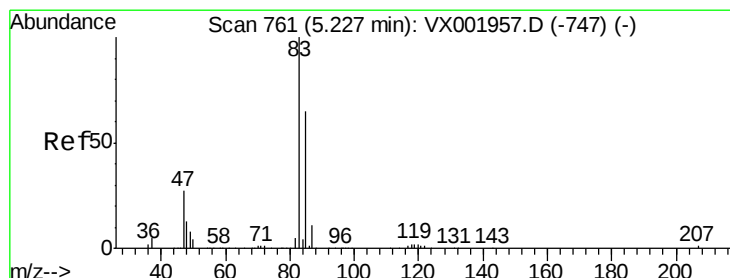
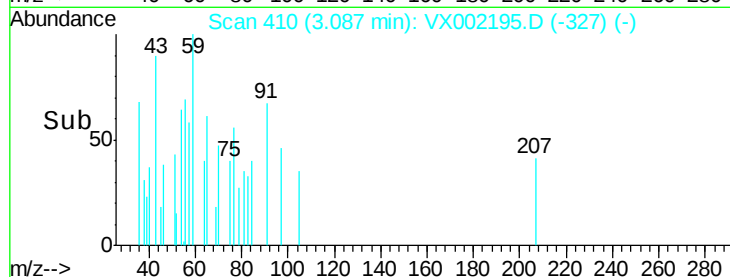
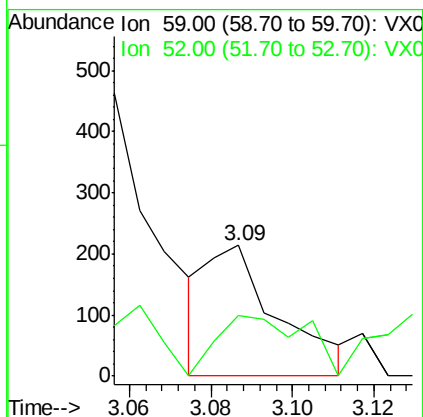
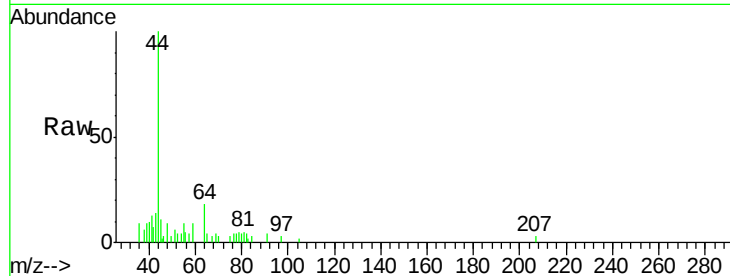




#23
tert-Butyl Alcohol
Concen: 0.32 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX002195.D
Acq: 31 May 2018 23:56

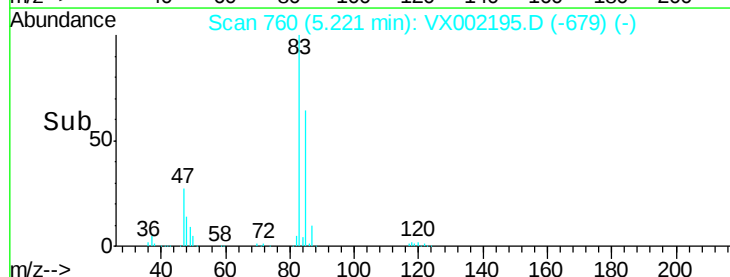
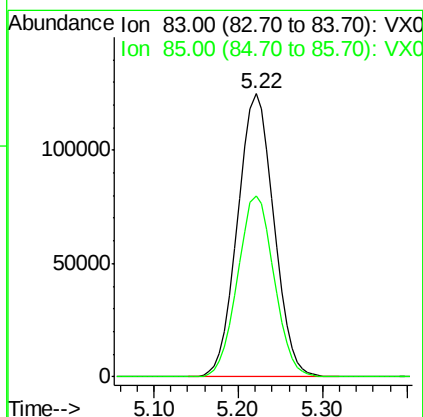
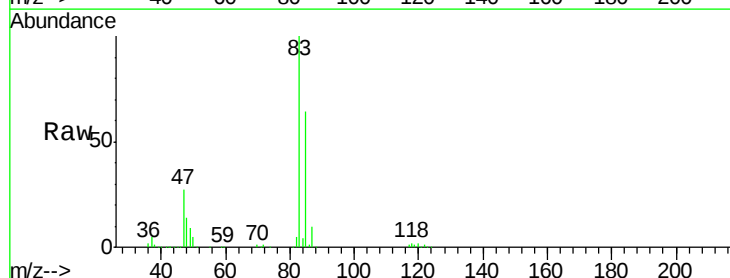
Instrument :
MSVOA_X
ClientSampled :
14B-4

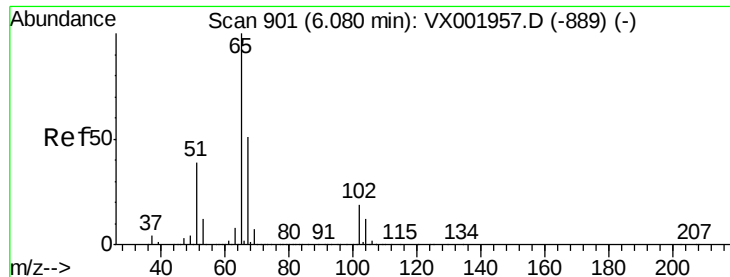
Tgt Ion: 59 Resp: 262
Ion Ratio Lower Upper
59 100
52 43.9 0.2 0.2#



#25
Chloroform
Concen: 69.40 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX002195.D
Acq: 31 May 2018 23:56

Tgt Ion: 83 Resp: 365503
Ion Ratio Lower Upper
83 100
85 64.0 51.9 77.9

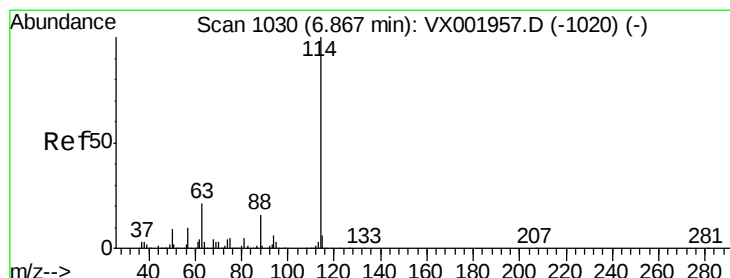
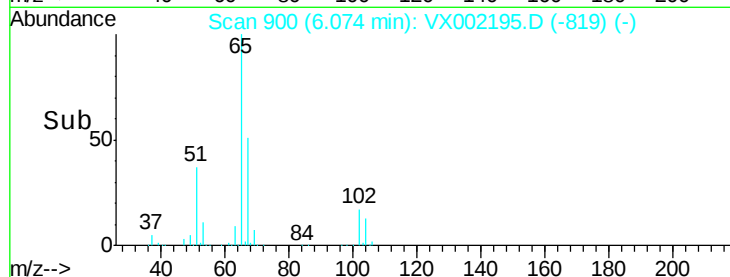
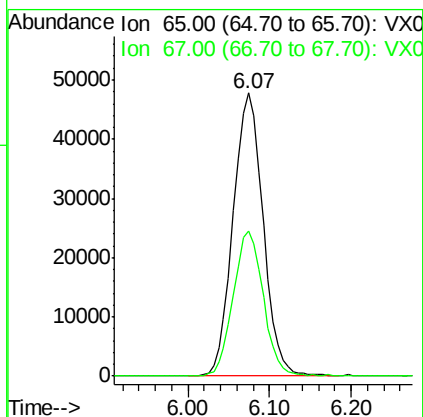
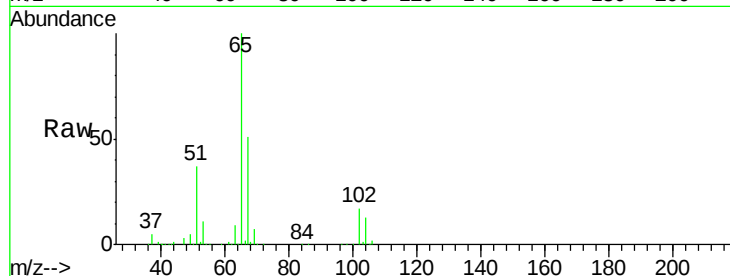




#27
 1,2-Dichloroethane-d4
 Concen: 32.20 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX002195.D
 Acq: 31 May 2018 23:56

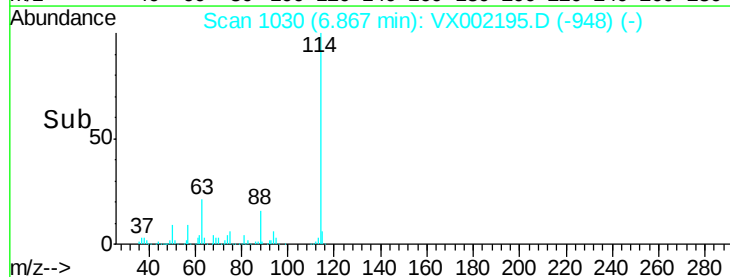
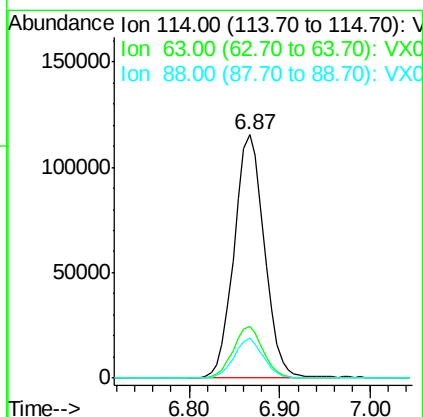
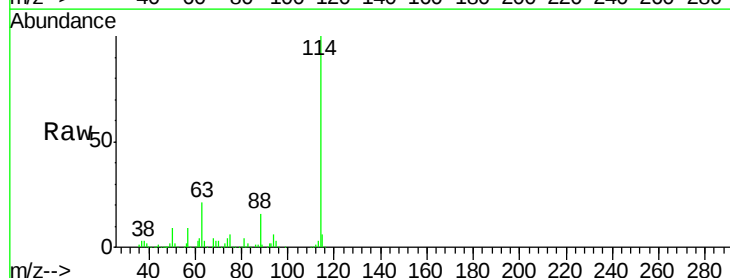
Instrument :
 MSVOA_X
 ClientSampled :
 14B-4

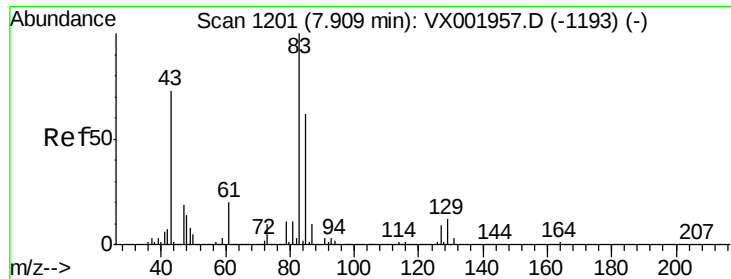
Tgt Ion: 65 Resp: 121617
 Ion Ratio Lower Upper
 65 100
 67 51.2 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002195.D
 Acq: 31 May 2018 23:56

Tgt Ion: 114 Resp: 268193
 Ion Ratio Lower Upper
 114 100
 63 21.1 17.1 25.7
 88 15.6 12.6 19.0





#41

Bromodichloromethane

Concen: 12.76 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX002195.D

Acq: 31 May 2018 23:56

Instrument :

MSVOA_X

ClientSampleId :

14B-4

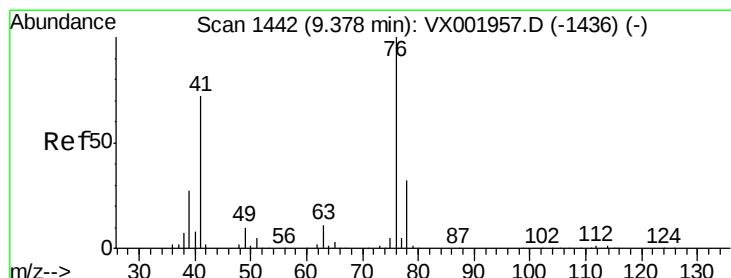
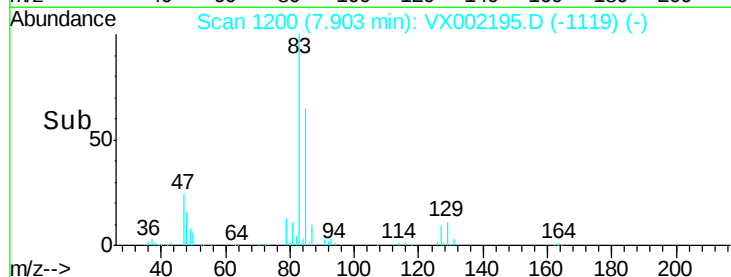
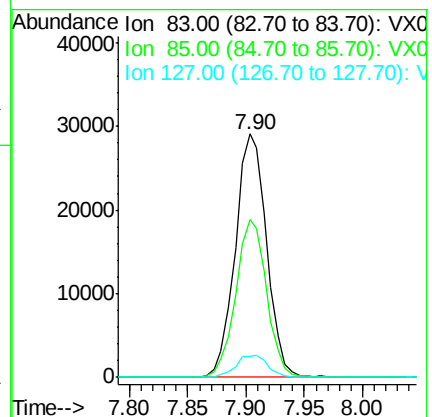
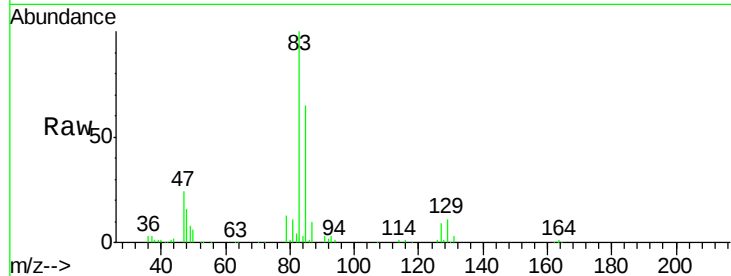
Tgt Ion: 83 Resp: 54428

Ion Ratio Lower Upper

83 100

85 65.0 49.8 74.8

127 8.8 7.3 10.9



#52

1,3-Dichloropropane

Concen: 0.29 ug/l

RT: 9.06 min Scan# 1390

Delta R.T. -0.32 min

Lab File: VX002195.D

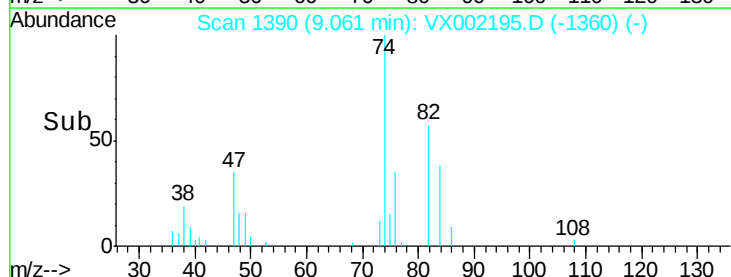
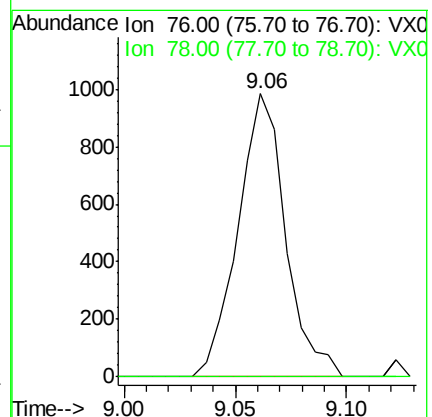
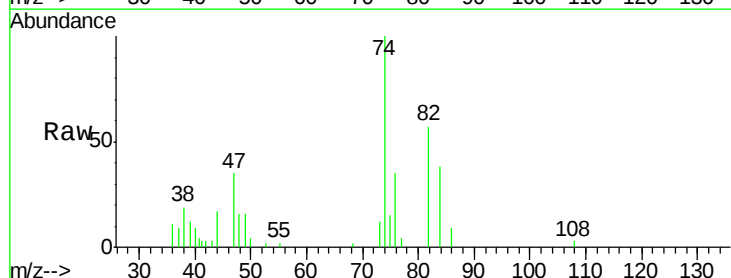
Acq: 31 May 2018 23:56

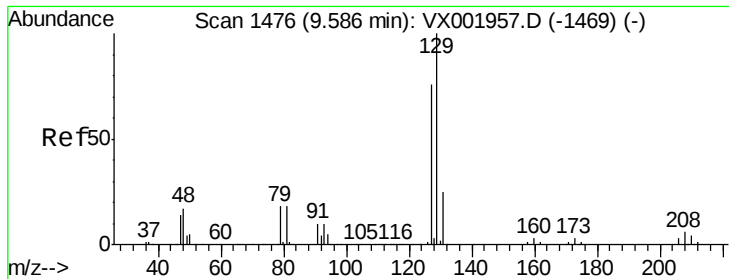
Tgt Ion: 76 Resp: 1467

Ion Ratio Lower Upper

76 100

78 0.0 0.0 63.4

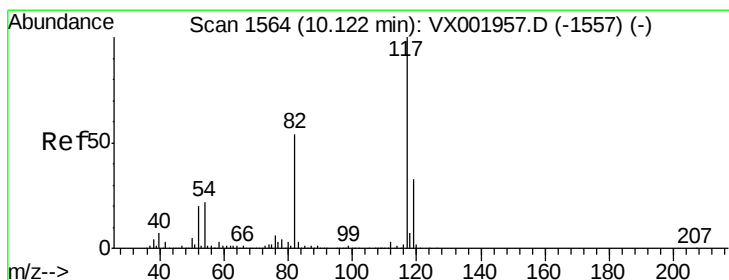
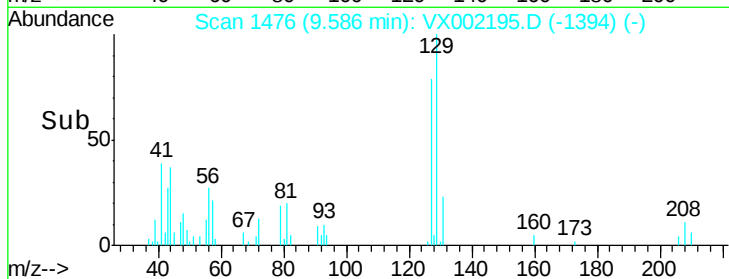
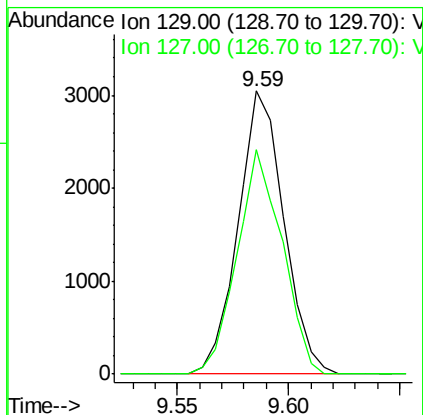
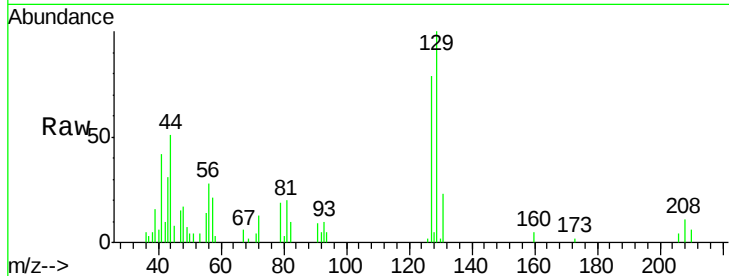




#53
Dibromochloromethane
Concen: 1.21 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002195.D
Acq: 31 May 2018 23:56

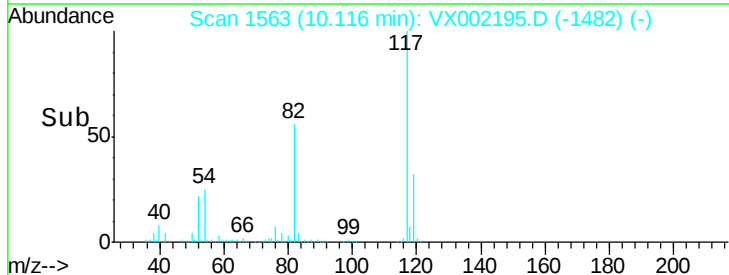
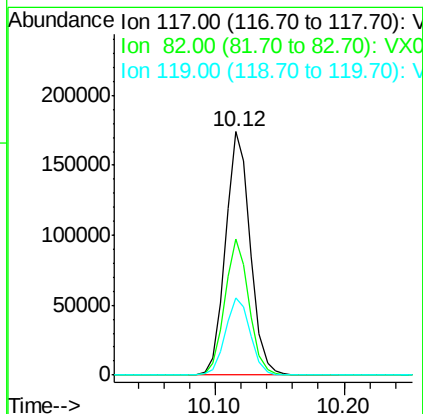
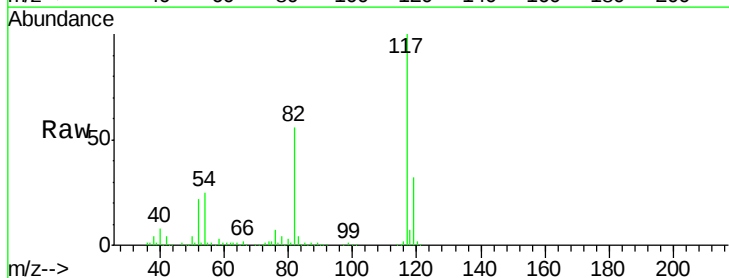
Instrument :
MSVOA_X
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14B-4

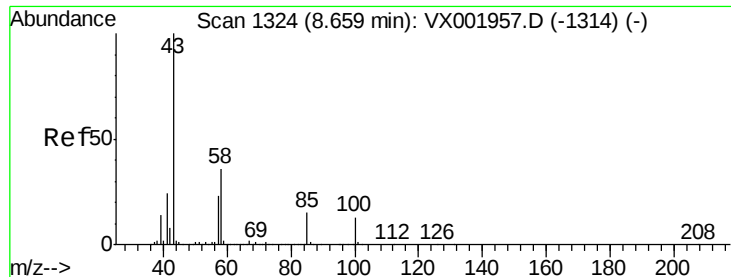
Tgt Ion:129 Resp: 4372
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.3



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002195.D
Acq: 31 May 2018 23:56

Tgt Ion:117 Resp: 234549
Ion Ratio Lower Upper
117 100
82 55.2 44.3 66.5
119 32.1 25.7 38.5

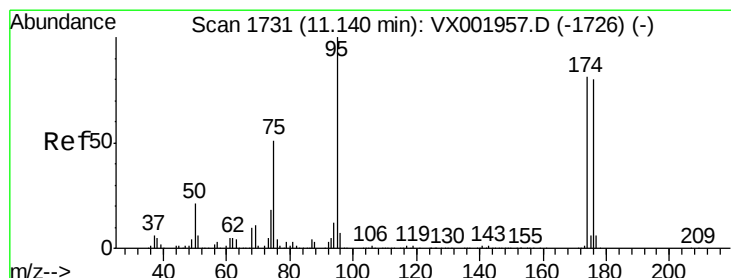
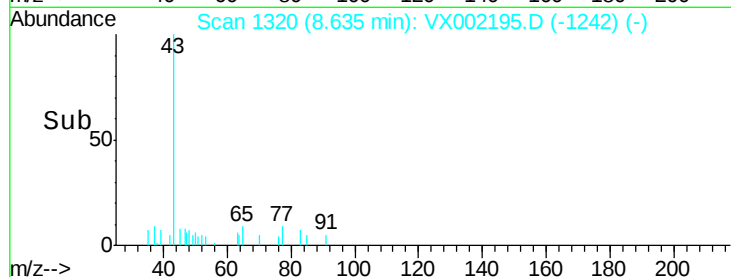
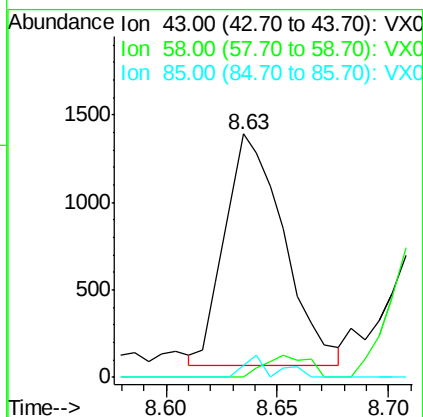
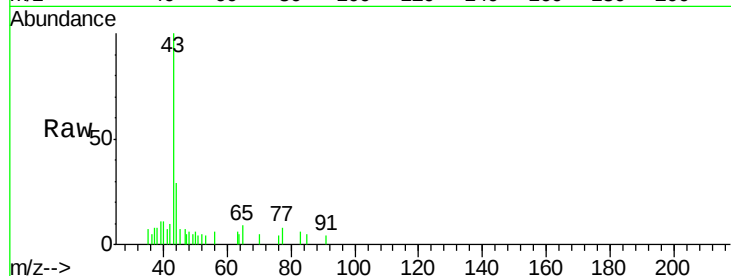




#58
 4-Methyl-2-Pentanone
 Concen: 0.48 ug/l
 RT: 8.63 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: VX002195.D
 Acq: 31 May 2018 23:56

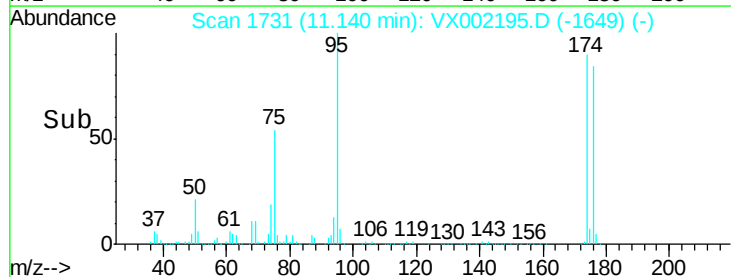
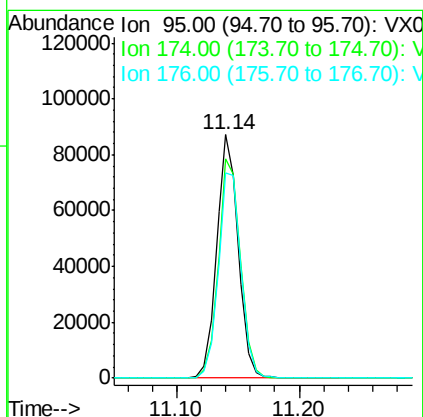
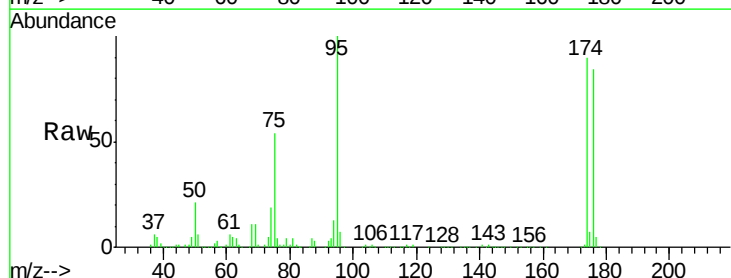
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-4

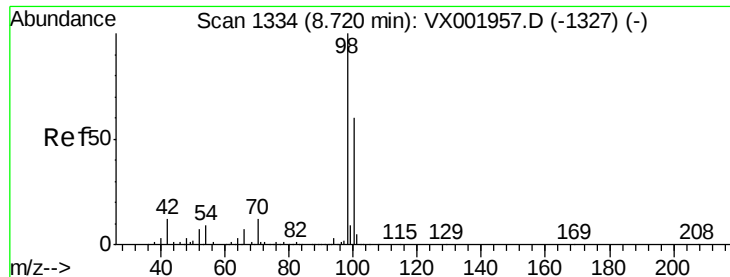
Tgt Ion: 43 Resp: 2446
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.2 42.4#
 85 2.9 12.4 18.6#



#60
 4-Bromofluorobenzene
 Concen: 26.47 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002195.D
 Acq: 31 May 2018 23:56

Tgt Ion: 95 Resp: 106269
 Ion Ratio Lower Upper
 95 100
 174 92.9 71.8 107.6
 176 89.1 70.1 105.1





#63

Toluene-d8

Concen: 30.81 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002195.D

Acq: 31 May 2018 23:56

Instrument :

MSVOA_X

ClientSampleId :

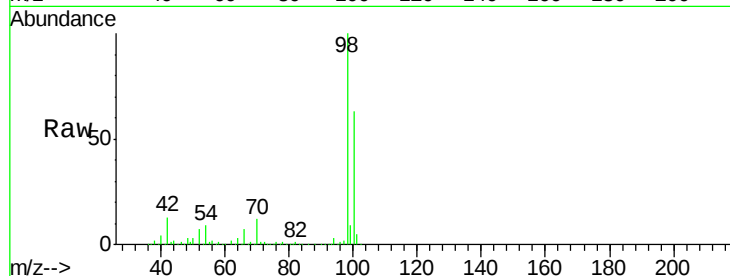
14B-4

Tgt Ion: 98 Resp: 322100

Ion Ratio Lower Upper

98 100

100 63.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

250000

200000

150000

100000

50000

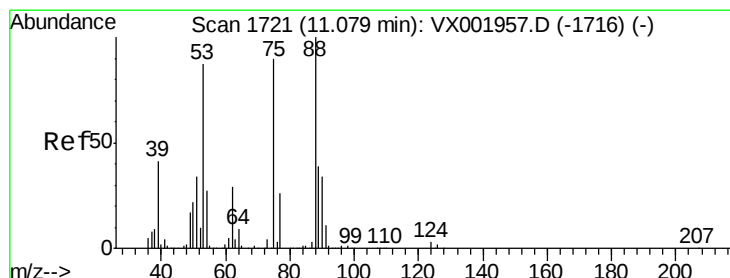
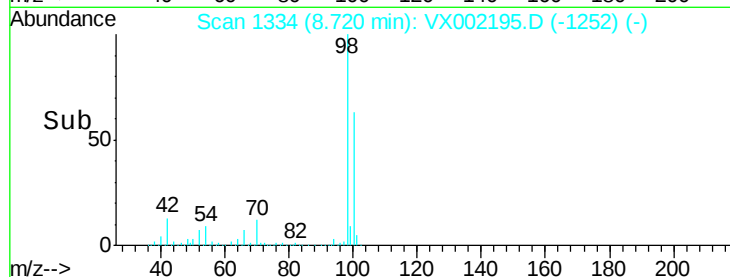
0

8.60

8.70

8.80

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 38.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002195.D

Acq: 31 May 2018 23:56

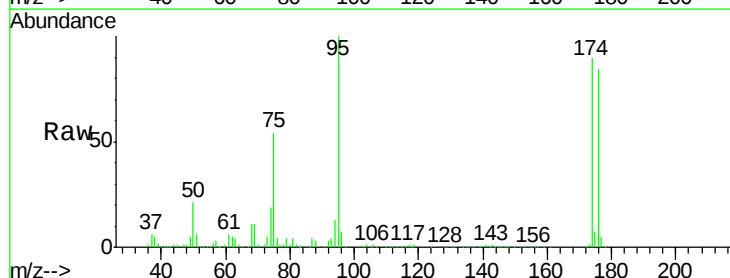
Tgt Ion: 75 Resp: 56995

Ion Ratio Lower Upper

75 100

53 0.2 48.3 144.9#

89 0.0 21.8 65.4#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

60000

50000

40000

30000

20000

10000

0

11.10

11.15

11.20

Time-->

