

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 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 04:03:02 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

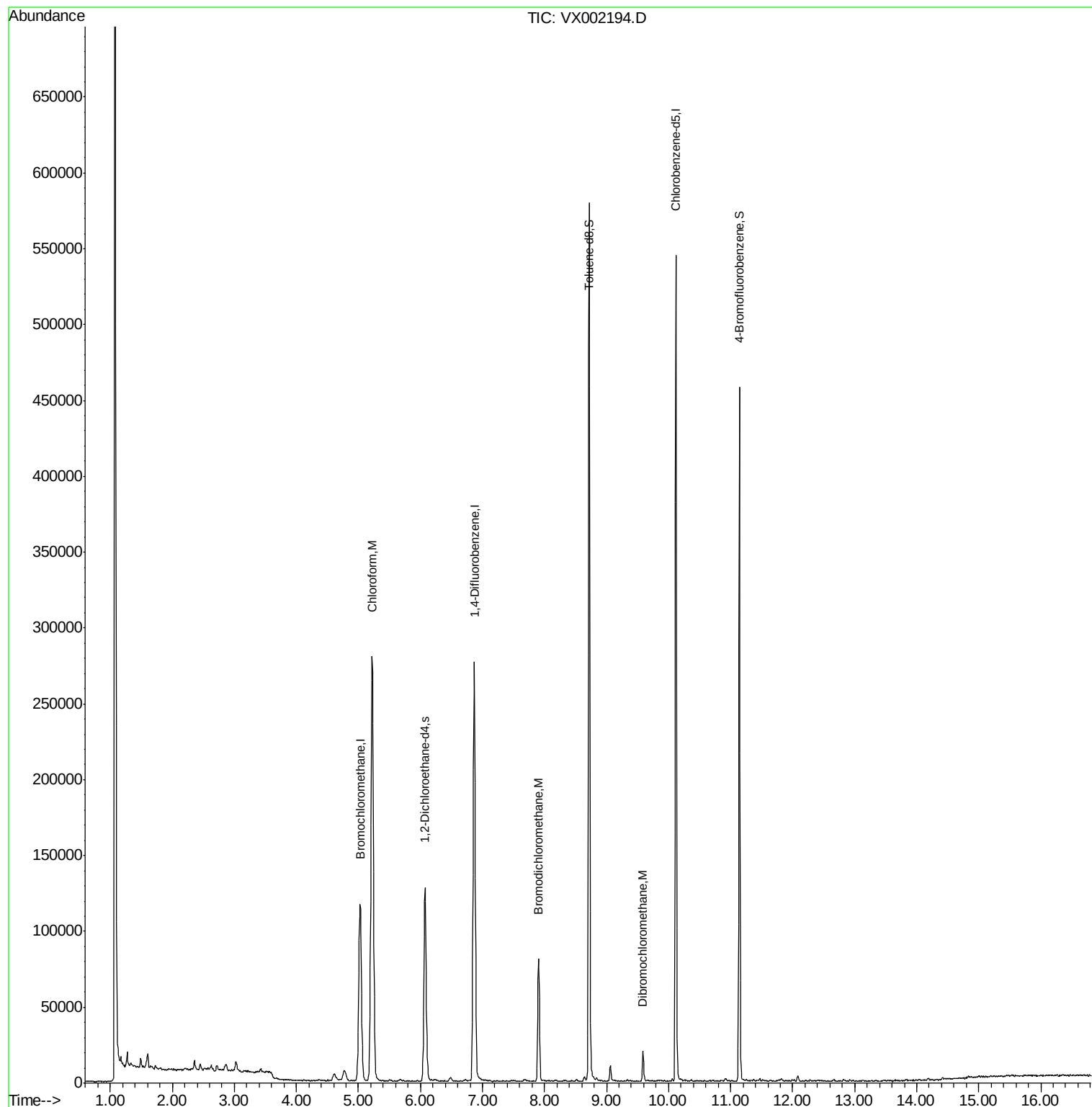
					Ovalue
25) Chloroform	5.22	83	321244	61.696 ug/l	99
41) Bromodichloromethane	7.90	83	48186	11.258 ug/l	96
53) Dibromochloromethane	9.59	129	3687	1.019 ug/l	94

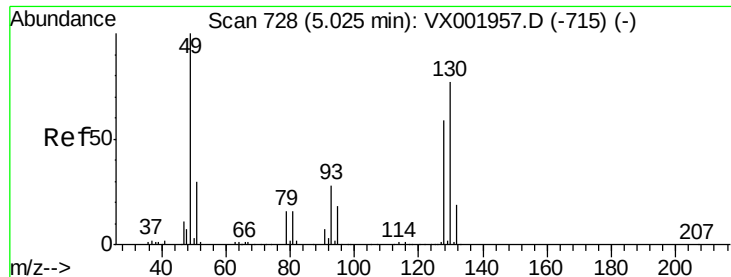
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 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

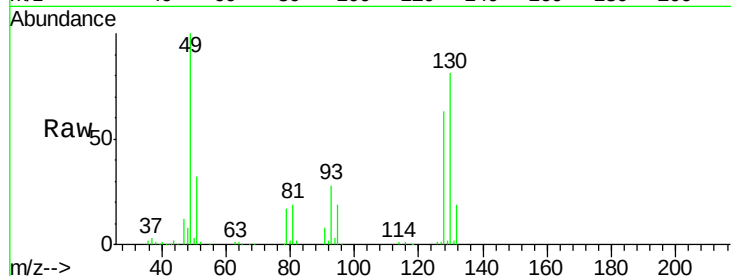
Tot Ion:128 Resp: 47450

Ion Ratio Lower Upper

128 100

49 171.4 0.0 423.0

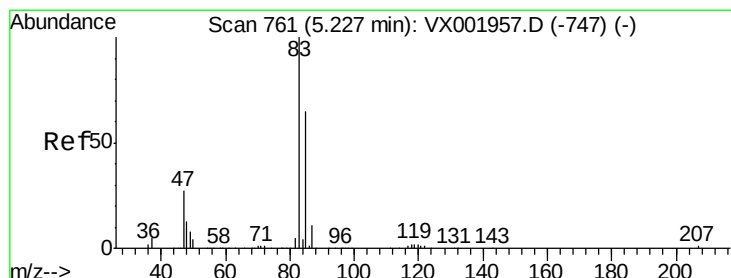
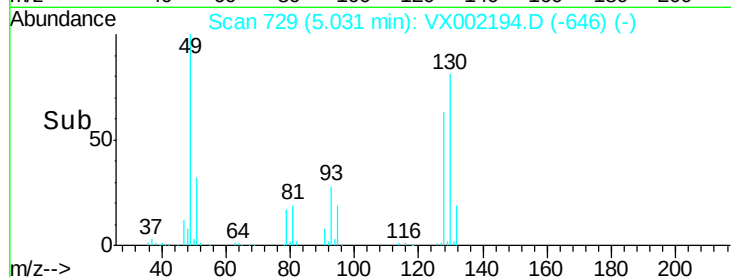
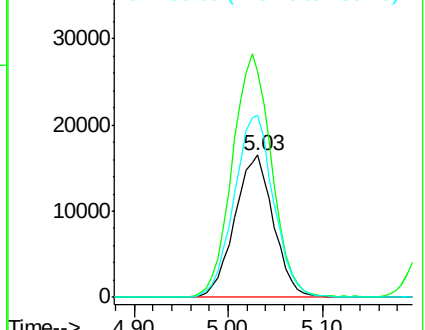
130 131.1 0.0 324.3



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



#25

Chloroform

Concen: 61.696 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX002194.D

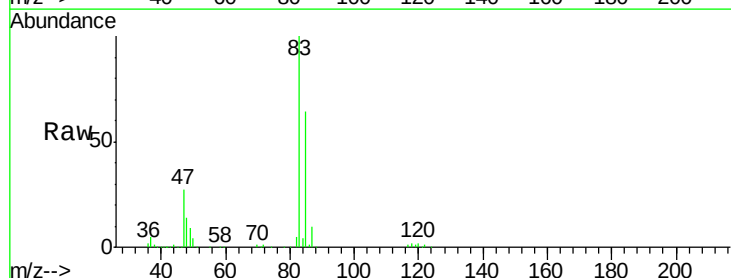
Acq: 31 May 2018 23:29

Tgt Ion: 83 Resp: 321244

Ion Ratio Lower Upper

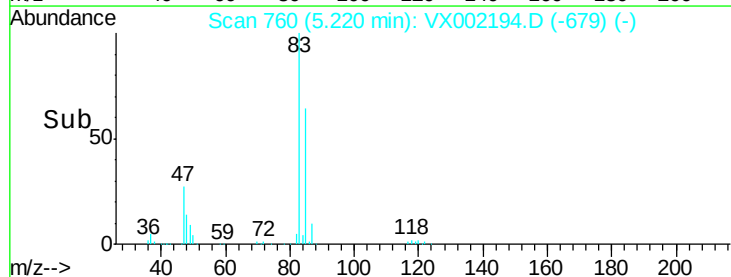
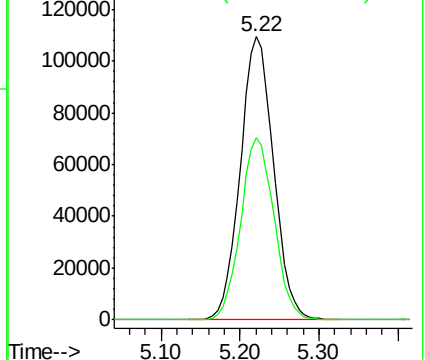
83 100

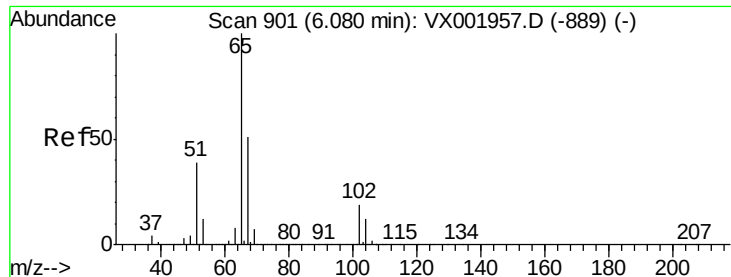
85 64.4 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

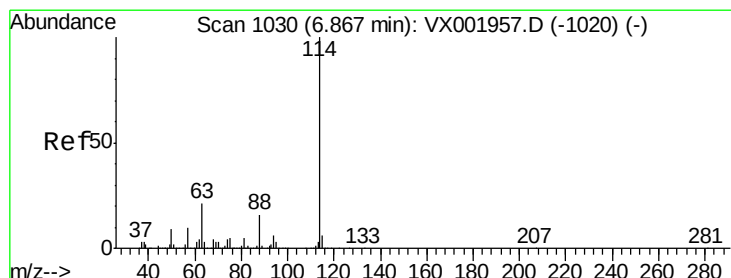
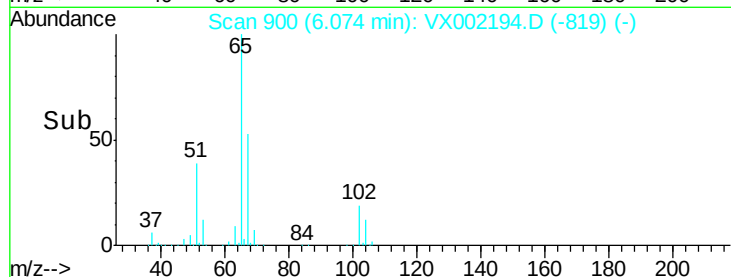
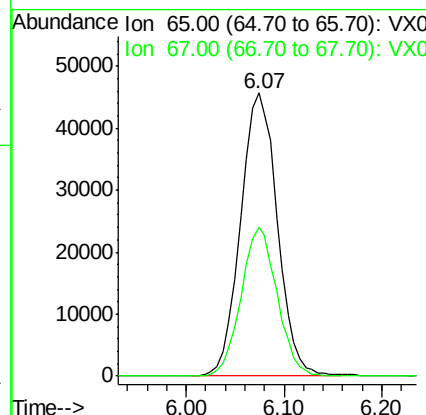
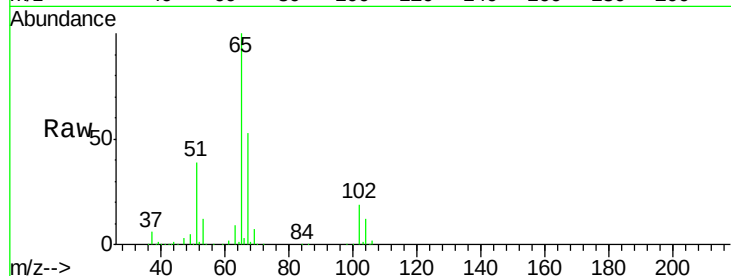




#27
 1,2-Dichloroethane-d4
 Concen: 31.909 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX002194.D
 Acq: 31 May 2018 23:29

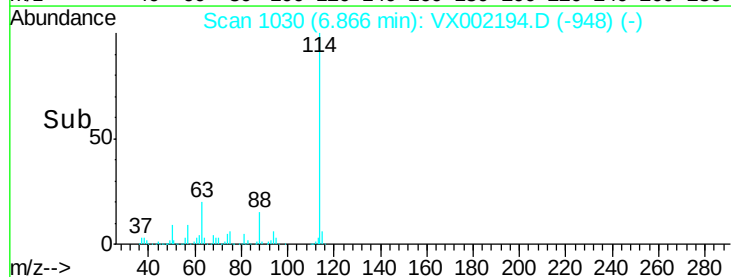
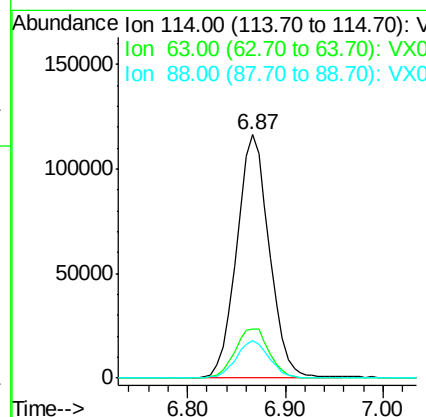
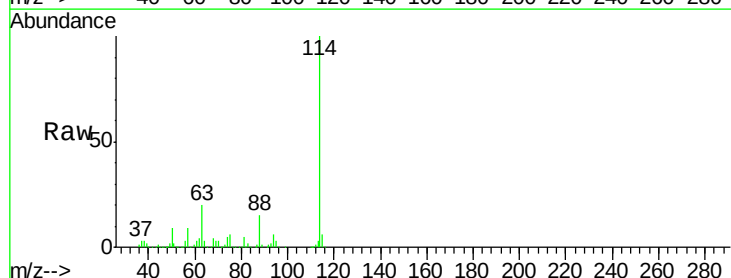
Instrument :
 MSVOA_X
 ClientSampled :
 14B-3

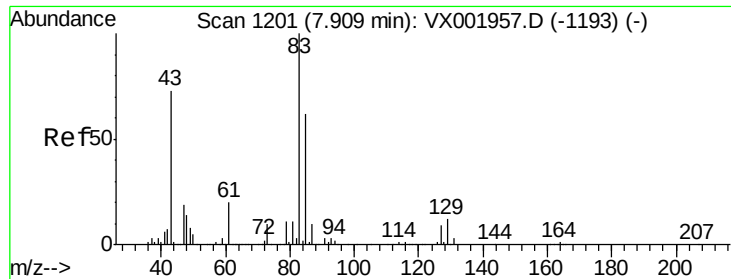
Tot Ion: 65 Resp: 119144
 Ion Ratio Lower Upper
 65 100
 67 51.6 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002194.D
 Acq: 31 May 2018 23:29

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: 11.258 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX002194.D

Acq: 31 May 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

14B-3

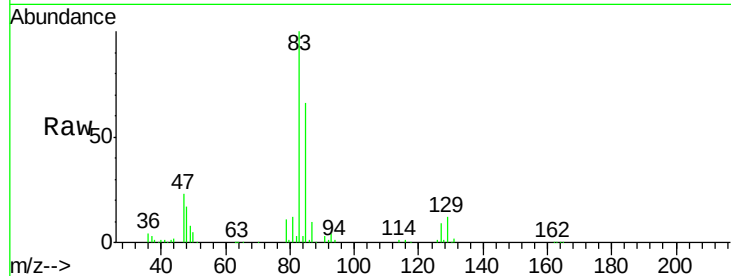
Tot Ion: 83 Resp: 48186

Ion Ratio Lower Upper

83 100

85 66.2 49.8 74.8

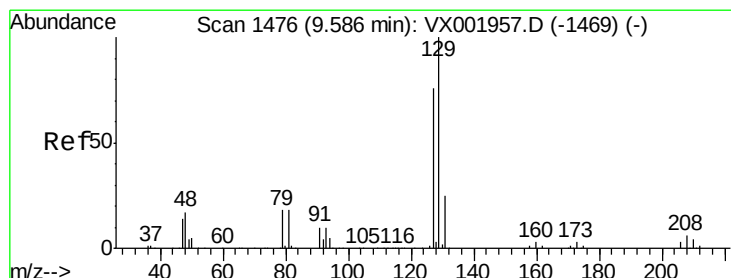
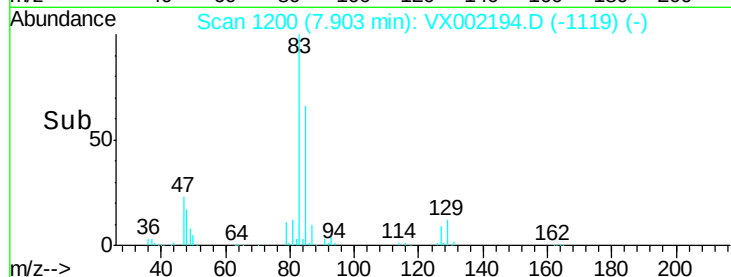
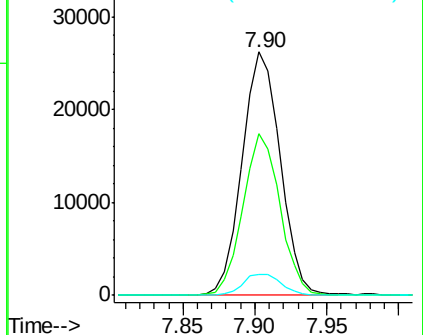
127 9.3 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VX001957.D (-1193) (-)

Ion 85.00 (84.70 to 85.70): VX001957.D (-1193) (-)

Ion 127.00 (126.70 to 127.70): VX001957.D (-1193) (-)



#53

Dibromochloromethane

Concen: 1.019 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX002194.D

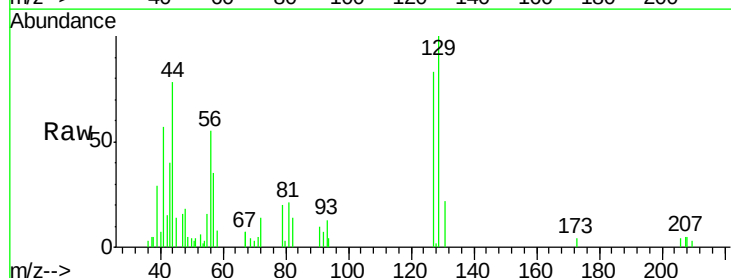
Acq: 31 May 2018 23:29

Tgt Ion: 129 Resp: 3687

Ion Ratio Lower Upper

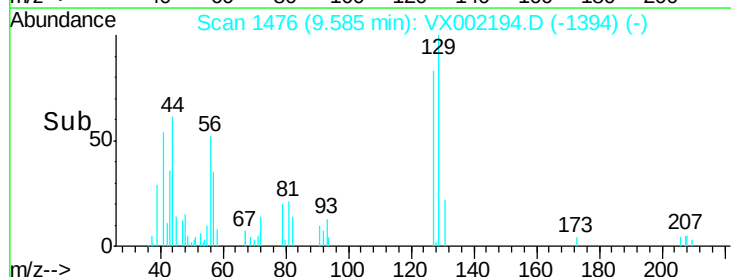
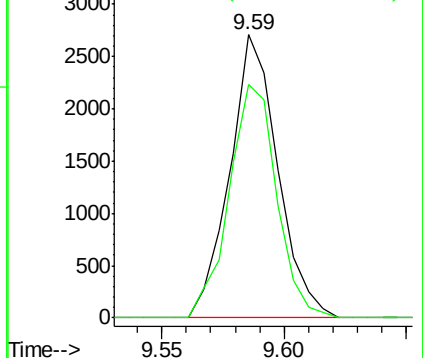
129 100

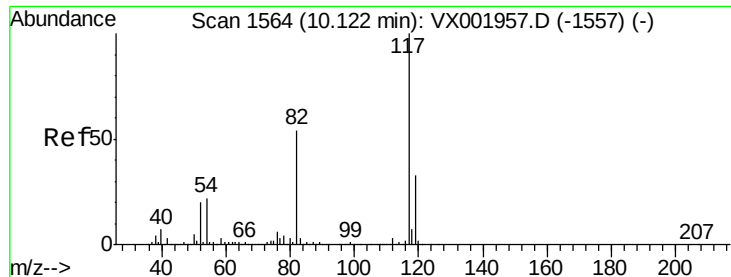
127 81.9 38.5 115.3



Abundance Ion 129.00 (128.70 to 129.70): VX001957.D (-1469) (-)

Ion 127.00 (126.70 to 127.70): VX001957.D (-1469) (-)

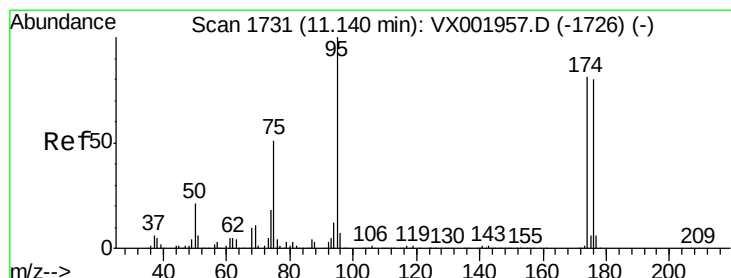
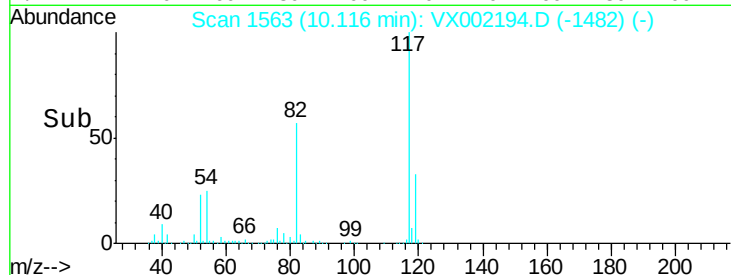
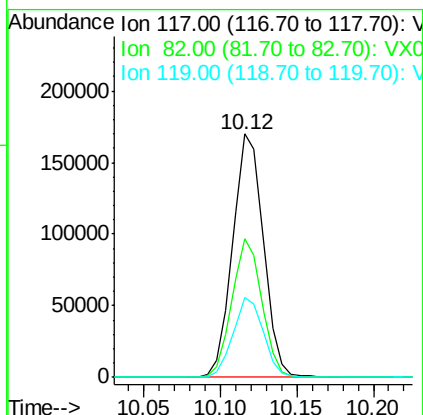
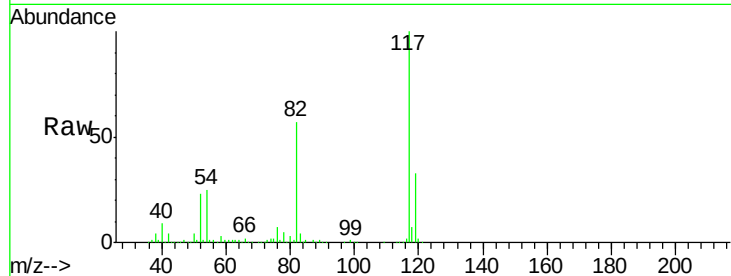




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002194.D
Acq: 31 May 2018 23:29

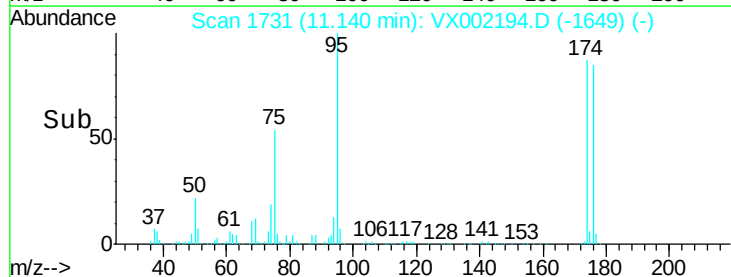
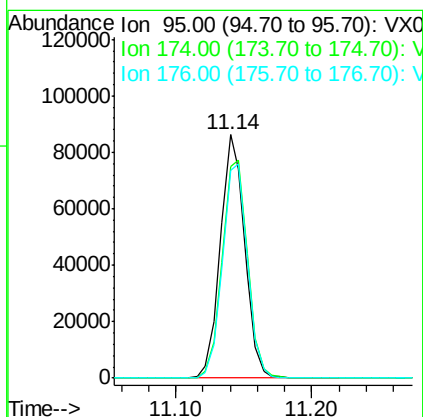
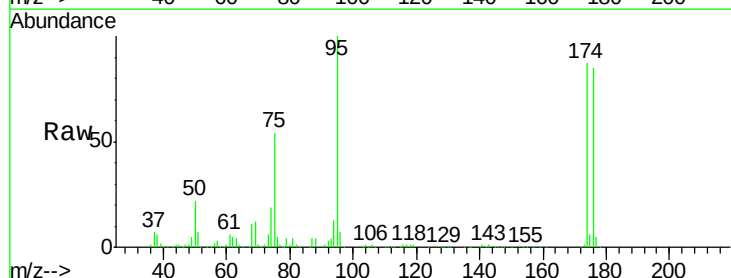
Instrument :
MSVOA_X
ClientSampleId :
14B-3

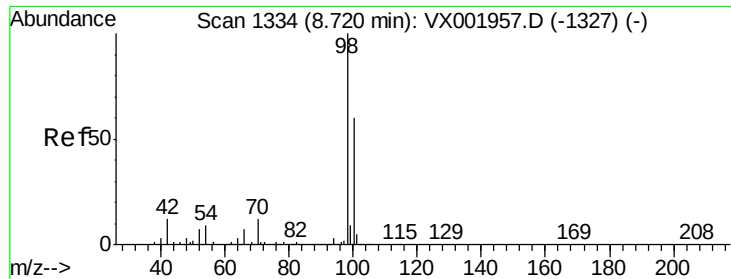
Tot Ion:117 Resp: 236602
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 32.0 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 26.353 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002194.D
Acq: 31 May 2018 23:29

Tgt Ion: 95 Resp: 106737
Ion Ratio Lower Upper
95 100
174 93.1 71.8 107.6
176 90.3 70.1 105.1





#63

Toluene-d8

Concen: 30.596 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002194.D

Acq: 31 May 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

14B-3

Tot Ion: 98 Resp: 322644

Ion Ratio Lower Upper

98 100

100 63.5 50.8 76.2

