

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002150.D
 Acq On : 30 May 2018 21:18
 Operator : JC/MD
 Sample : J3093-03 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

Quant Time: May 31 05:36:25 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	49694	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	286336	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	248458	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	123802	31.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.53%
60) 4-Bromofluorobenzene	11.14	95	113530	26.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.97%
63) Toluene-d8	8.72	98	338221	30.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.80%

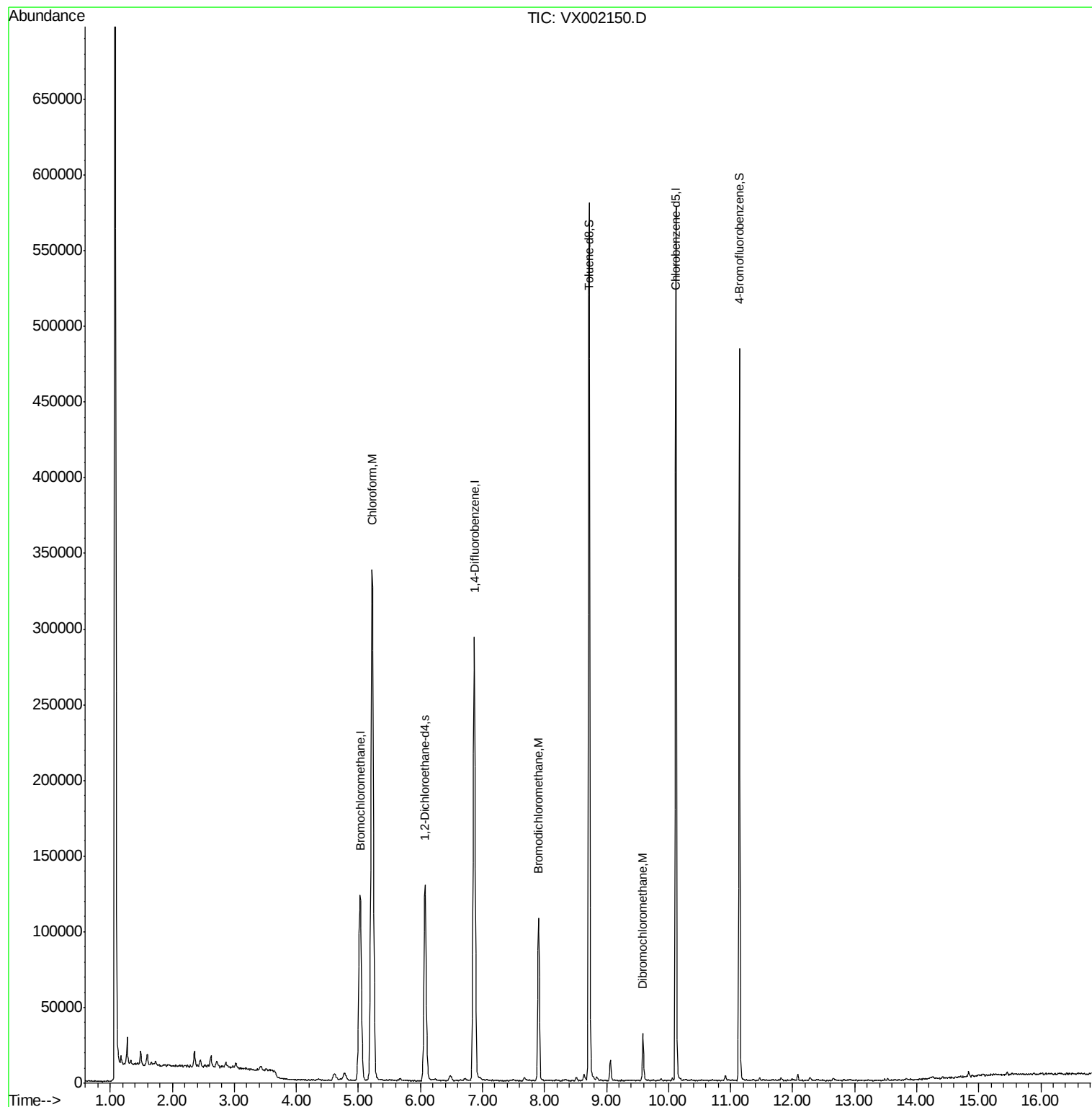
Target Compounds					Ovalue
25) Chloroform	5.22	83	384602	70.53 ug/l	99
41) Bromodichloromethane	7.90	83	62022	13.62 ug/l	95
53) Dibromochloromethane	9.59	129	5022	1.30 ug/l	96

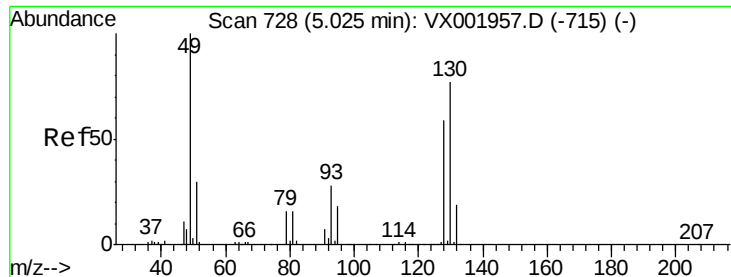
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002150.D

Acq: 30 May 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

14B-3

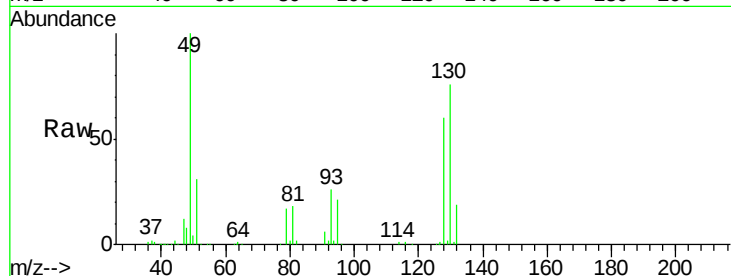
Tot Ion:128 Resp: 49694

Ion Ratio Lower Upper

128 100

49 172.3 0.0 423.0

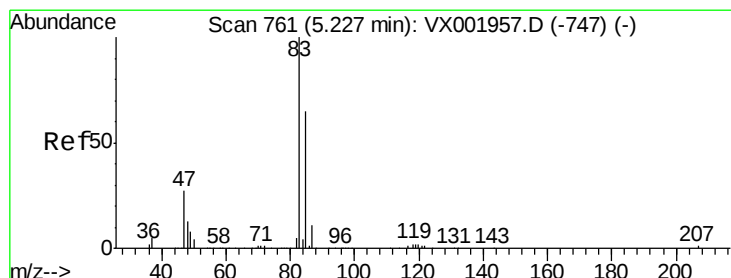
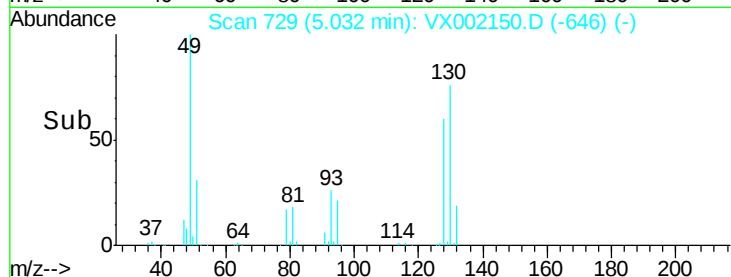
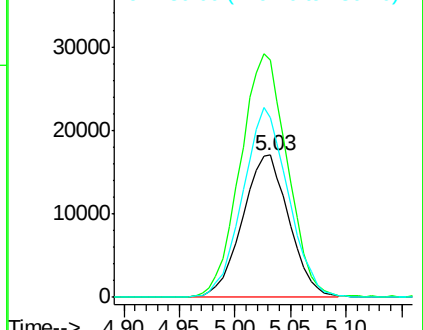
130 130.0 0.0 324.3



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: 70.53 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX002150.D

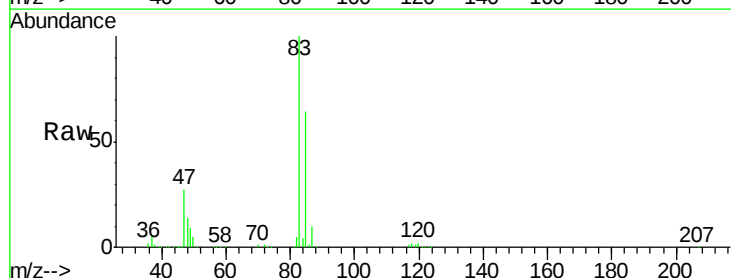
Acq: 30 May 2018 21:18

Tgt Ion: 83 Resp: 384602

Ion Ratio Lower Upper

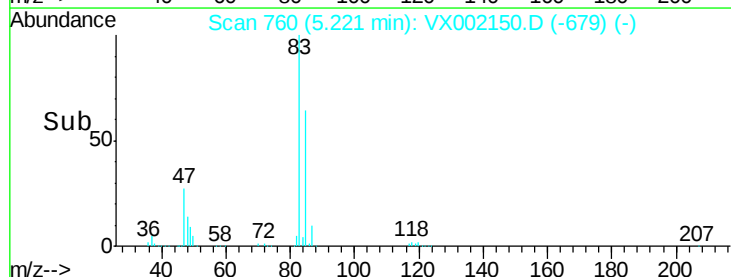
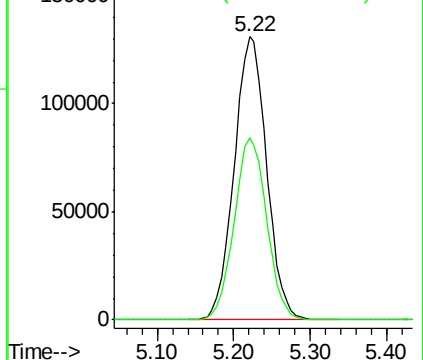
83 100

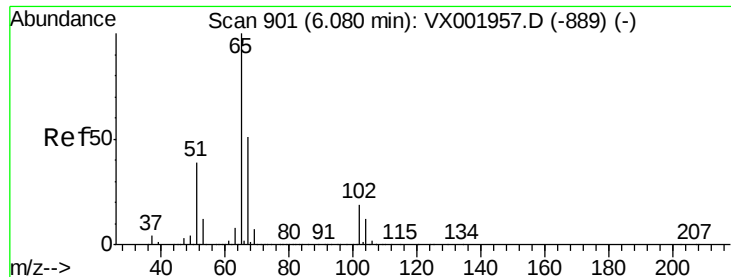
85 64.4 51.9 77.9



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: 31.66 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX002150.D

Acq: 30 May 2018 21:18

Instrument :

MSVOA_X

ClientSampled :

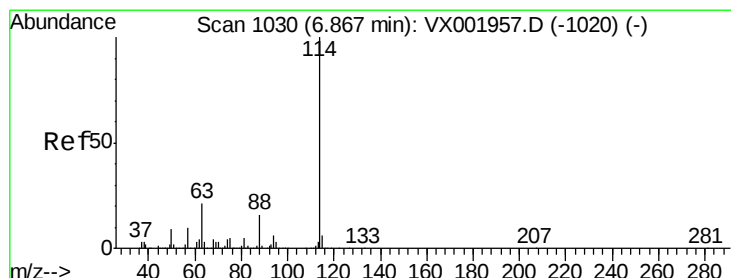
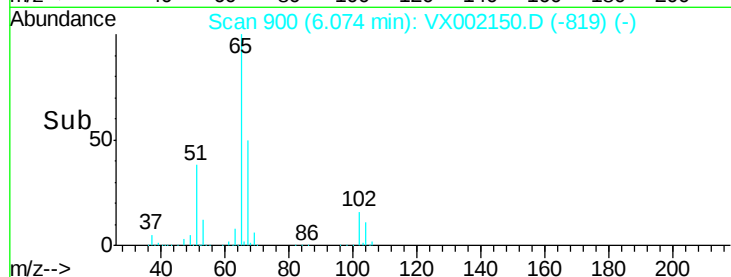
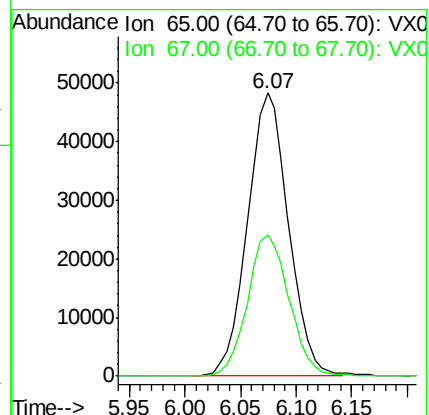
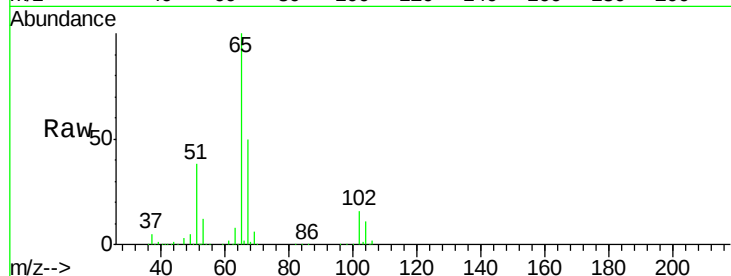
14B-3

Tot Ion: 65 Resp: 123802

Ion Ratio Lower Upper

65 100

67 50.7 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: VX002150.D

Acq: 30 May 2018 21:18

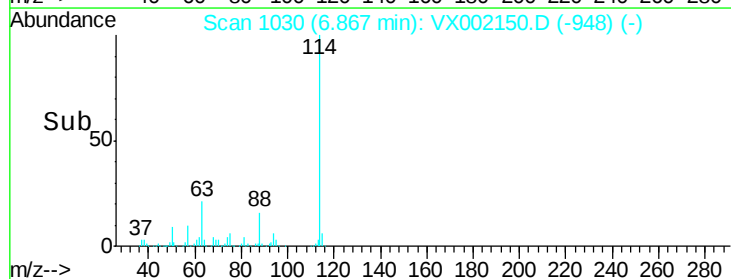
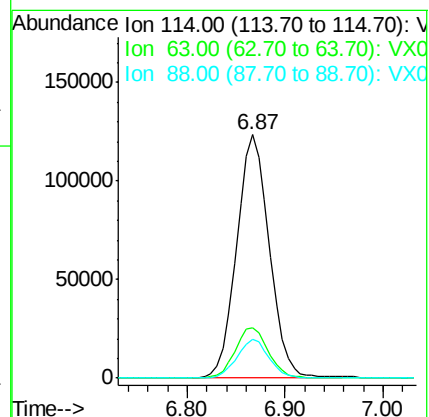
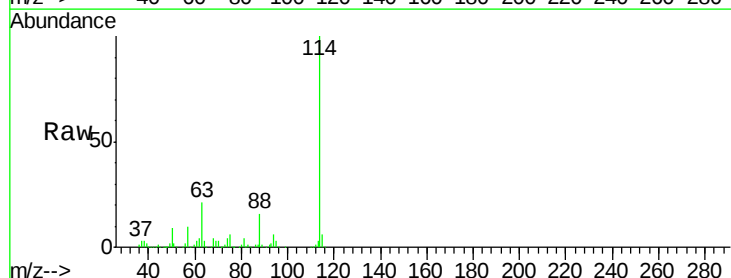
Tgt Ion: 114 Resp: 286336

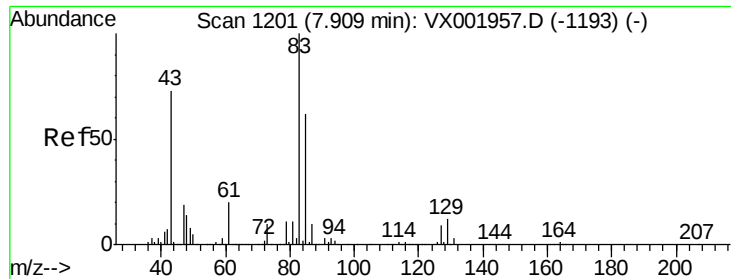
Ion Ratio Lower Upper

114 100

63 21.0 17.1 25.7

88 15.4 12.6 19.0





#41

Bromodichloromethane

Concen: 13.62 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX002150.D

Acq: 30 May 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

14B-3

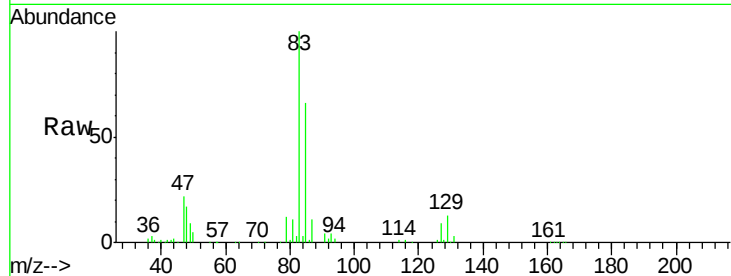
Tot Ion: 83 Resp: 62022

Ion Ratio Lower Upper

83 100

85 66.3 49.8 74.8

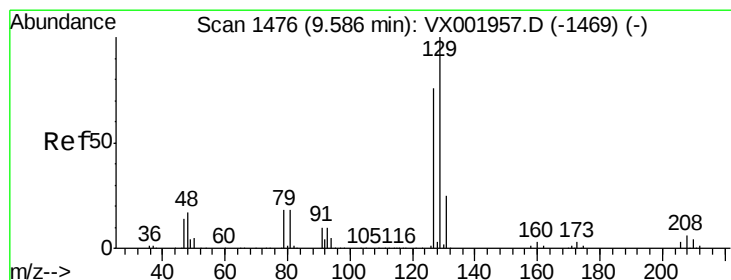
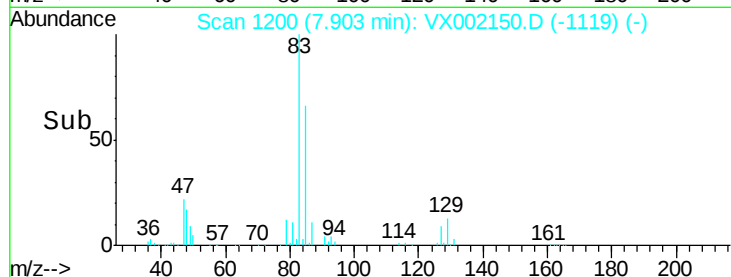
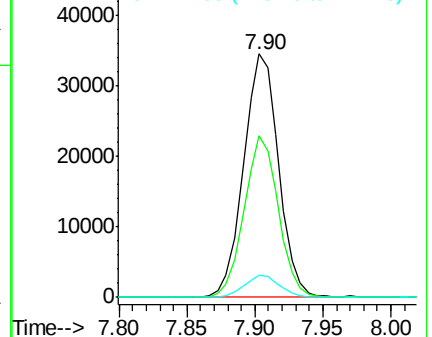
127 9.2 7.3 10.9



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: 1.30 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002150.D

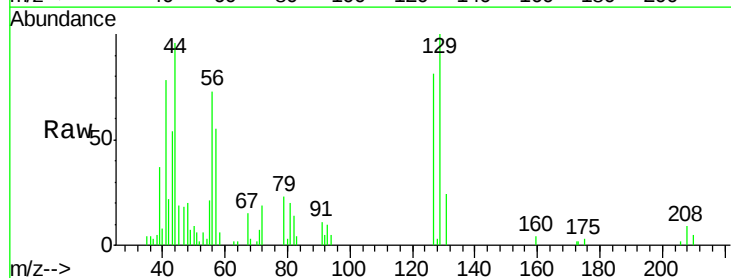
Acq: 30 May 2018 21:18

Tgt Ion: 129 Resp: 5022

Ion Ratio Lower Upper

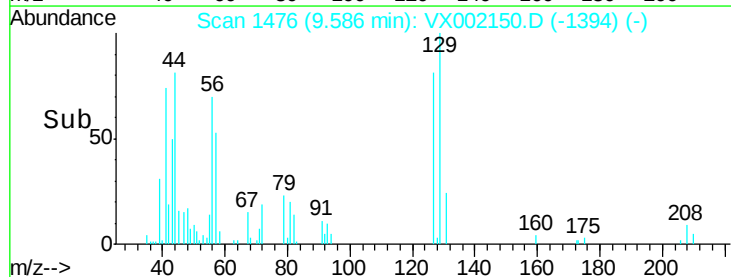
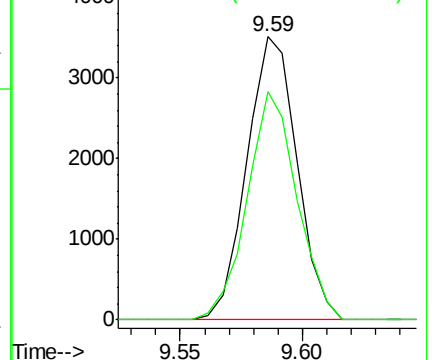
129 100

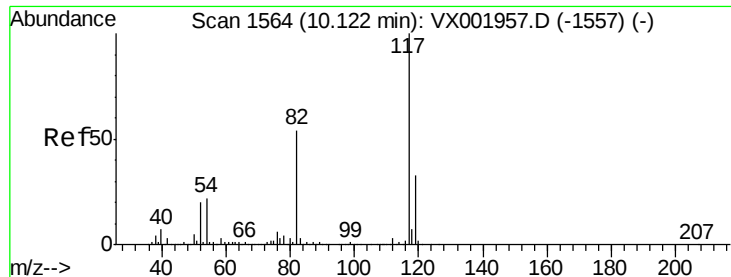
127 80.1 38.5 115.3



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: 30.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX002150.D

Acq: 30 May 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

14B-3

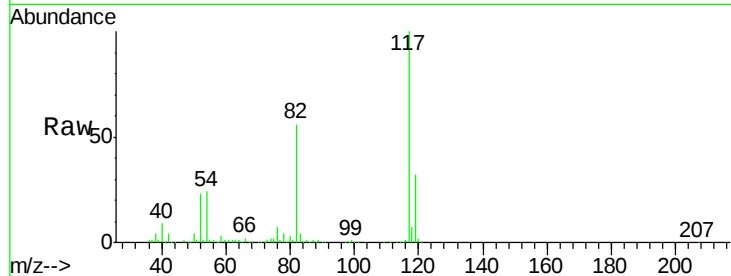
Tot Ion:117 Resp: 248458

Ion Ratio Lower Upper

117 100

82 55.3 44.3 66.5

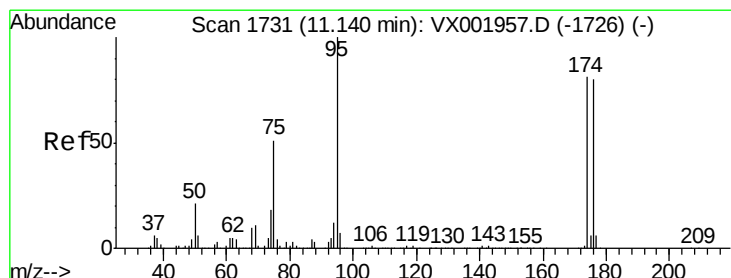
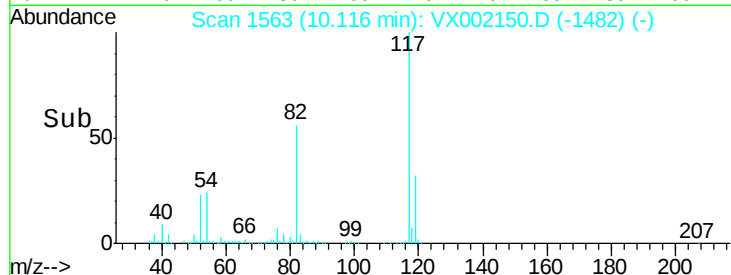
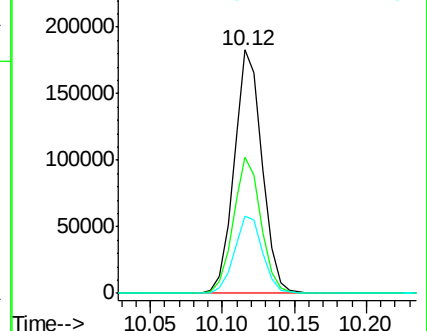
119 32.1 25.7 38.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#60

4-Bromofluorobenzene

Concen: 26.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002150.D

Acq: 30 May 2018 21:18

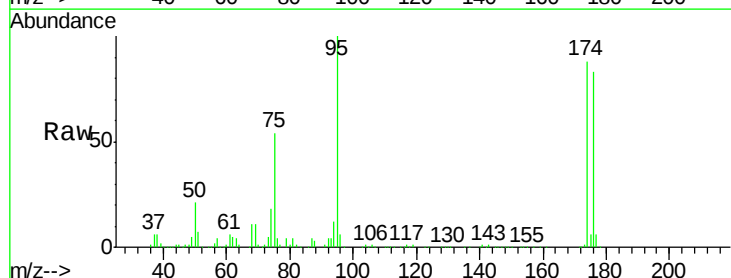
Tgt Ion: 95 Resp: 113530

Ion Ratio Lower Upper

95 100

174 91.3 71.8 107.6

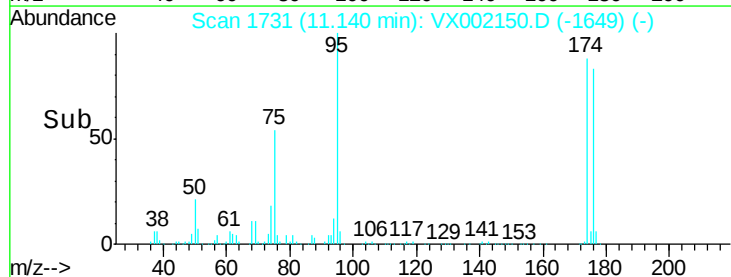
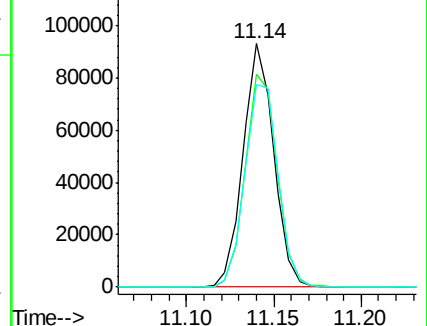
176 90.1 70.1 105.1

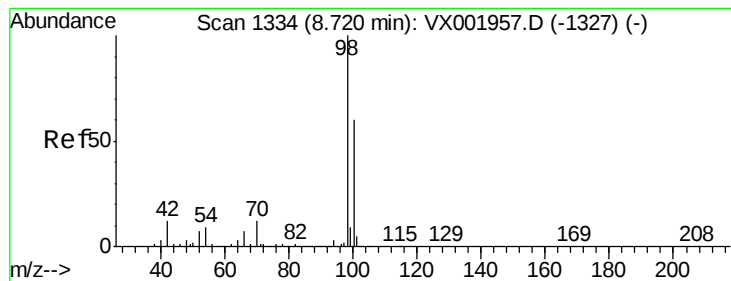


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 30.54 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002150.D

Acq: 30 May 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

14B-3

Tot Ion: 98 Resp: 338221

Ion Ratio Lower Upper

98 100

100 63.8 50.8 76.2

