

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002155.D
 Acq On : 30 May 2018 23:31
 Operator : JC/MD
 Sample : J3192-04 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-4

Quant Time: May 31 05:57:54 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	37236	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	200749	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	173852	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	92702	31.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.47%
60) 4-Bromofluorobenzene	11.14	95	76887	25.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.13%
63) Toluene-d8	8.72	98	237541	30.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.20%

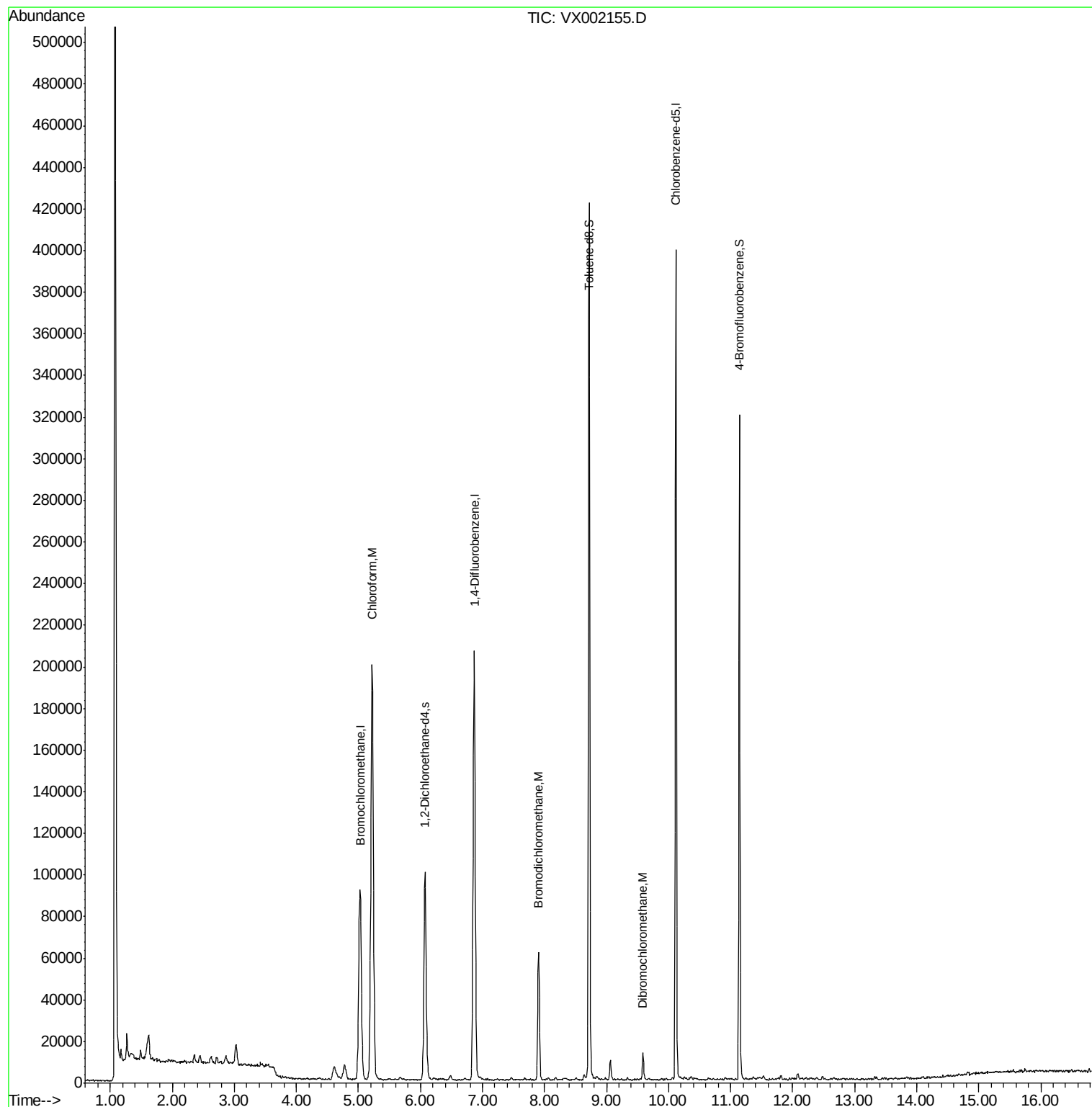
Target Compounds					Ovalue
25) Chloroform	5.22	83	226319	55.39 ug/l	99
41) Bromodichloromethane	7.90	83	36349	11.39 ug/l	99
53) Dibromochloromethane	9.59	129	3021	1.12 ug/l	96

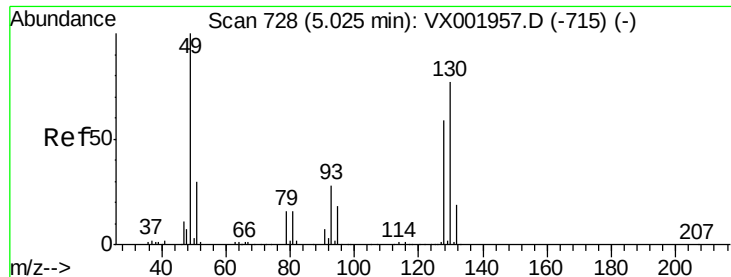
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002155.D

Acq: 30 May 2018 23:31

Instrument :

MSVOA_X

ClientSampled :

14B-4

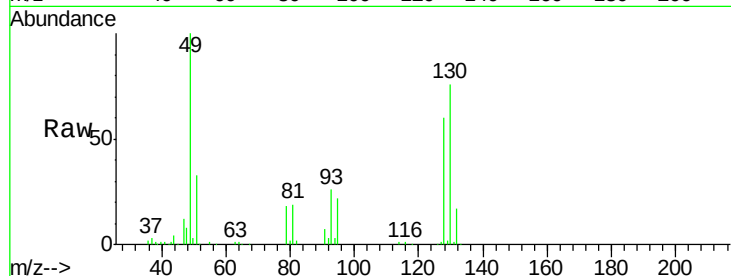
Tot Ion:128 Resp: 37236

Ion Ratio Lower Upper

128 100

49 173.0 0.0 423.0

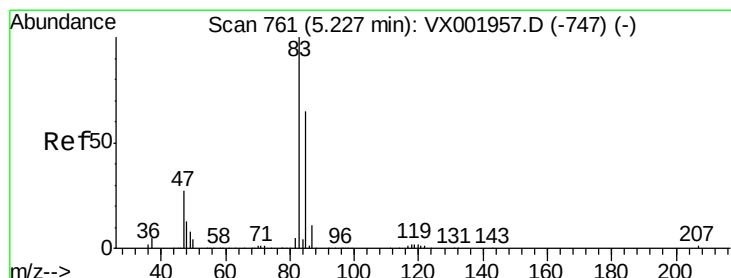
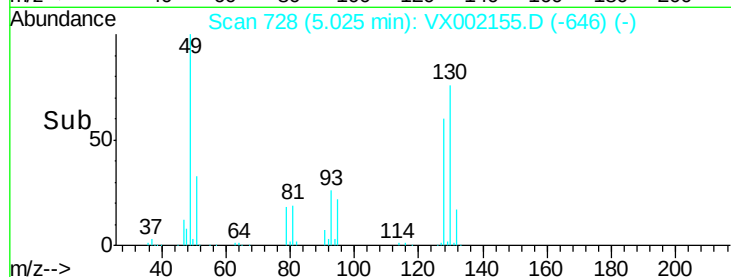
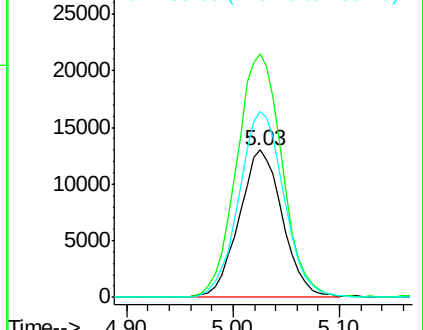
130 130.9 0.0 324.3



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



#25

Chloroform

Concen: 55.39 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX002155.D

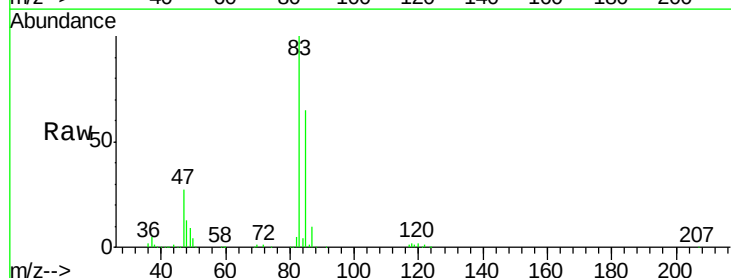
Acq: 30 May 2018 23:31

Tgt Ion: 83 Resp: 226319

Ion Ratio Lower Upper

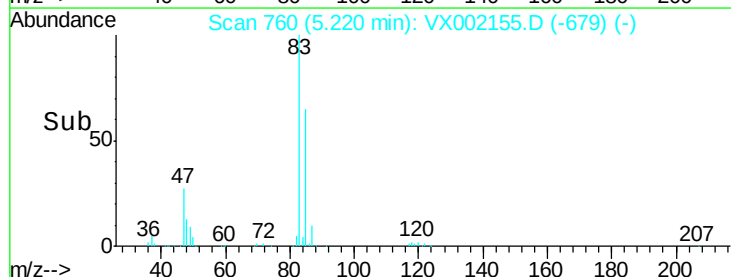
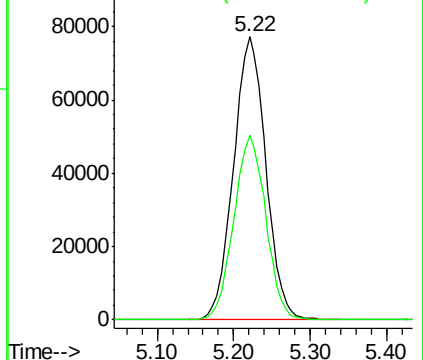
83 100

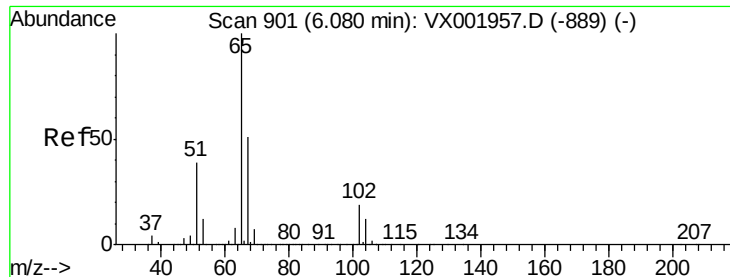
85 65.3 51.9 77.9



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: 31.64 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX002155.D

Acq: 30 May 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

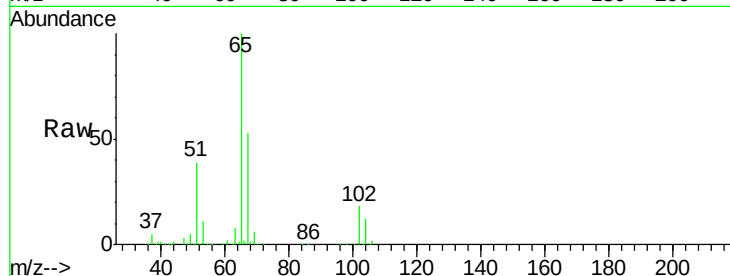
14B-4

Tot Ion: 65 Resp: 92702

Ion Ratio Lower Upper

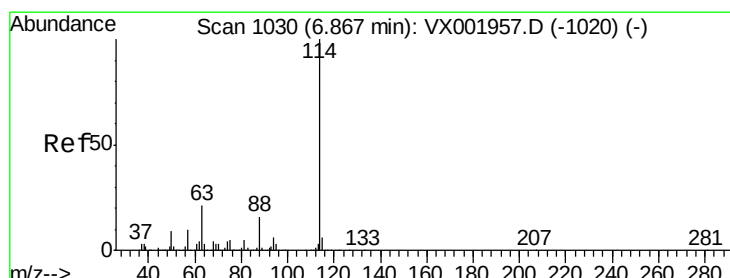
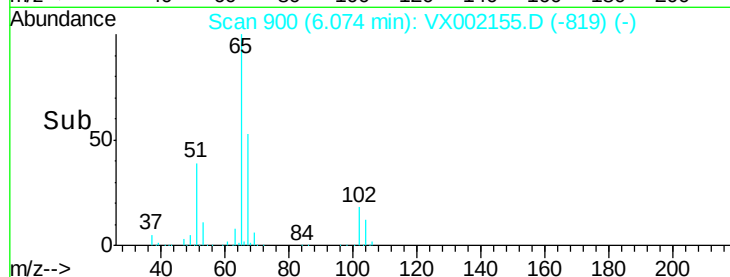
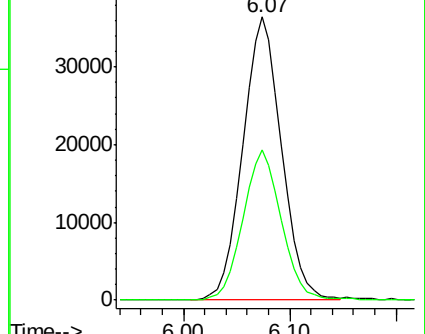
65 100

67 52.2 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: VX002155.D

Acq: 30 May 2018 23:31

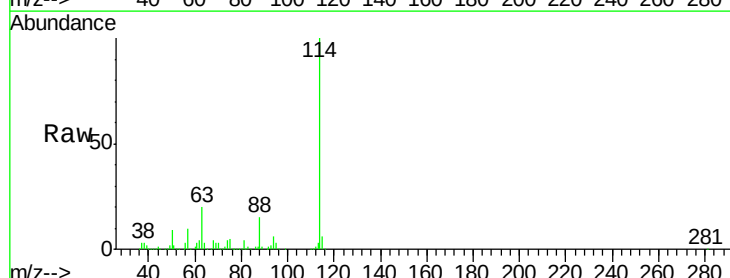
Tgt Ion: 114 Resp: 200749

Ion Ratio Lower Upper

114 100

63 21.6 17.1 25.7

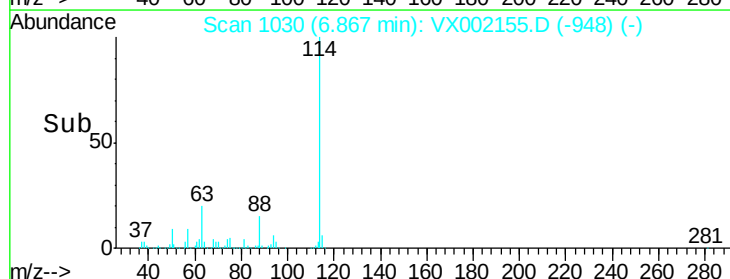
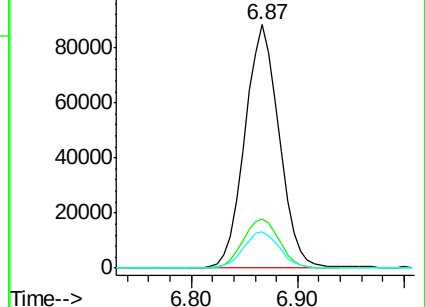
88 15.6 12.6 19.0

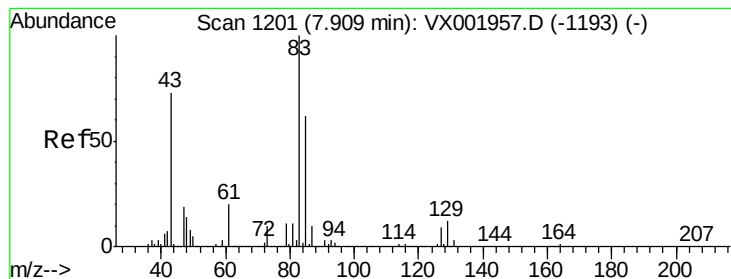


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#41

Bromodichloromethane

Concen: 11.39 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX002155.D

Acq: 30 May 2018 23:31

Instrument :

MSVOA_X

ClientSampled :

14B-4

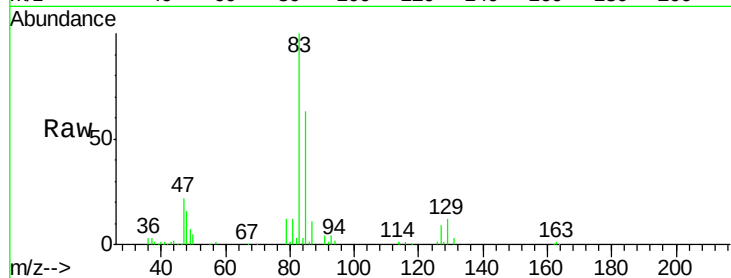
Tot Ion: 83 Resp: 36349

Ion Ratio Lower Upper

83 100

85 63.4 49.8 74.8

127 9.1 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) (-)

Time-->

7.80 7.85 7.90 7.95 8.00

7.90

20000

15000

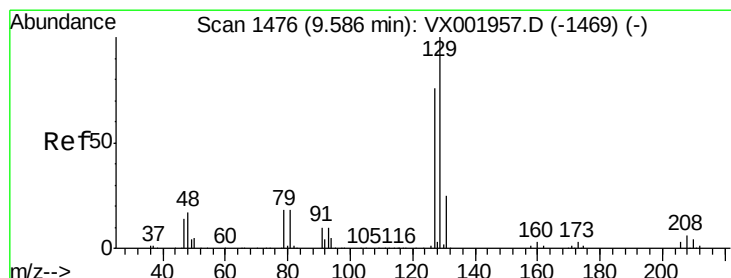
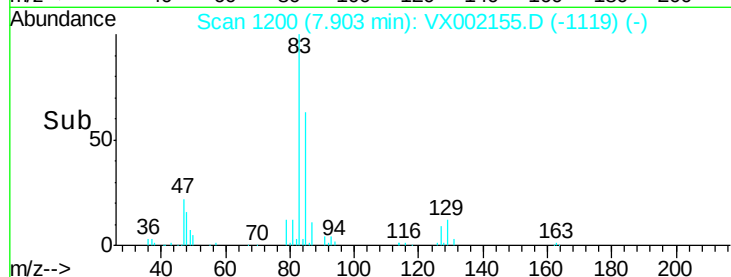
10000

5000

0

7.80 7.85 7.90 7.95 8.00

Time-->



#53

Dibromochloromethane

Concen: 1.12 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX002155.D

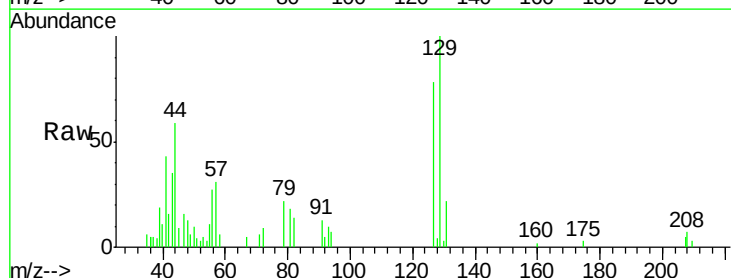
Acq: 30 May 2018 23:31

Tgt Ion: 129 Resp: 3021

Ion Ratio Lower Upper

129 100

127 80.3 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) (-)

Time-->

9.55 9.60

9.59

2500

2000

1500

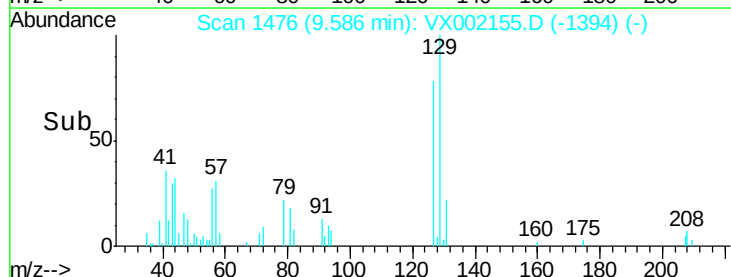
1000

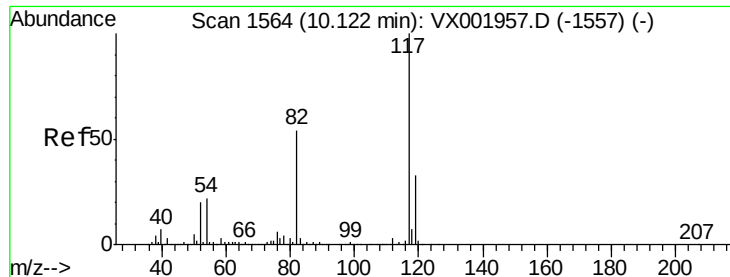
500

0

9.55 9.60

Time-->

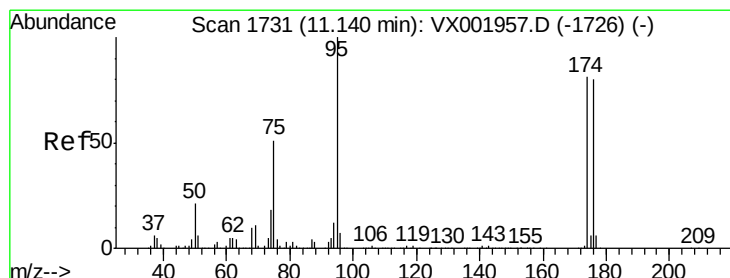
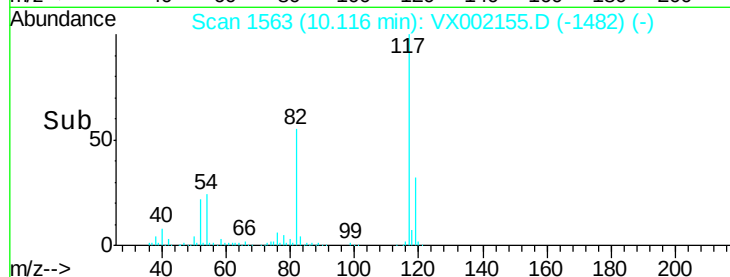
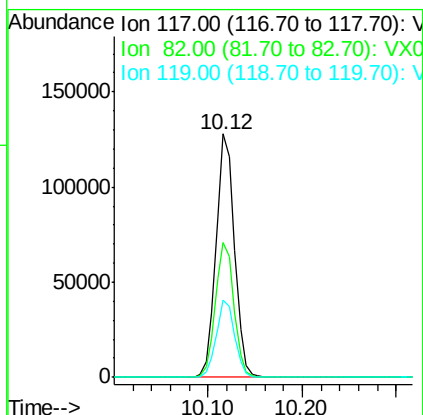
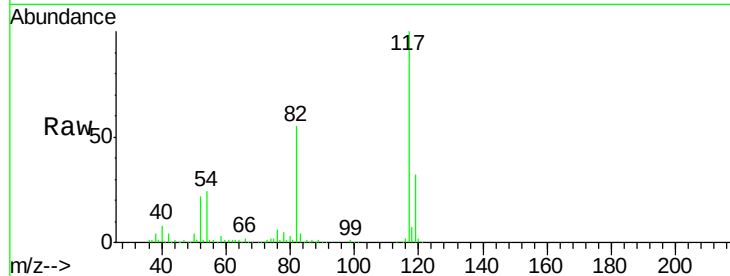




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002155.D
Acq: 30 May 2018 23:31

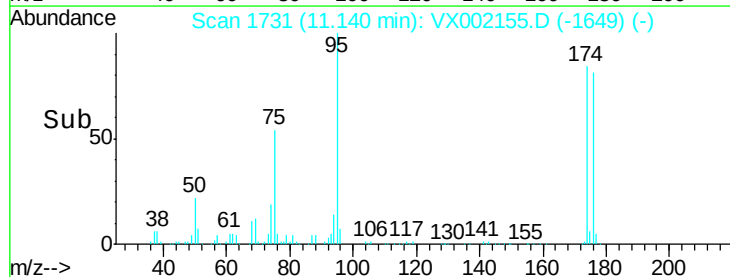
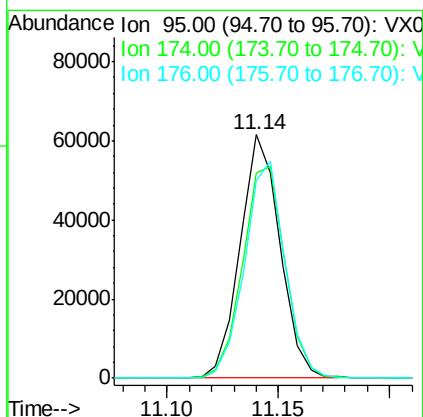
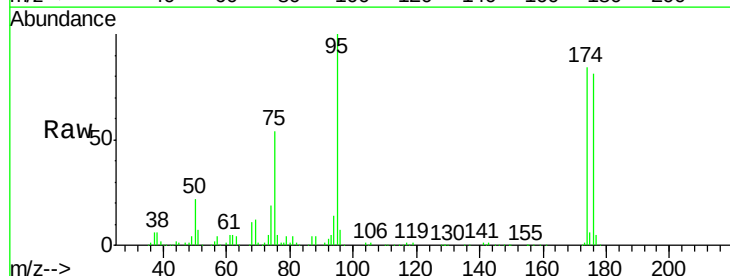
Instrument :
MSVOA_X
ClientSampleId :
14B-4

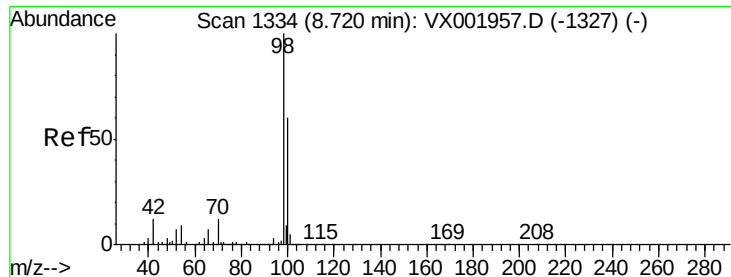
Tot Ion:117 Resp: 173852
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 31.6 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 25.84 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002155.D
Acq: 30 May 2018 23:31

Tgt Ion: 95 Resp: 76887
Ion Ratio Lower Upper
95 100
174 92.5 71.8 107.6
176 89.8 70.1 105.1





#63

Toluene-d8

Concen: 30.66 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002155.D

Acq: 30 May 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

14B-4

Tot Ion: 98 Resp: 237541

Ion Ratio Lower Upper

98 100

100 63.9 50.8 76.2

