

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\
 Data File : VX013429.D
 Acq On : 14 Nov 2019 18:30
 Operator : JC/SP
 Sample : K5859-02 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-2

Quant Time: Nov 16 00:04:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	104165	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	592017	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	518553	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	226906	29.50	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.33%
60) 4-Bromofluorobenzene	11.14	95	238020	28.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.20%
63) Toluene-d8	8.71	98	696900	29.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.07%

Target Compounds

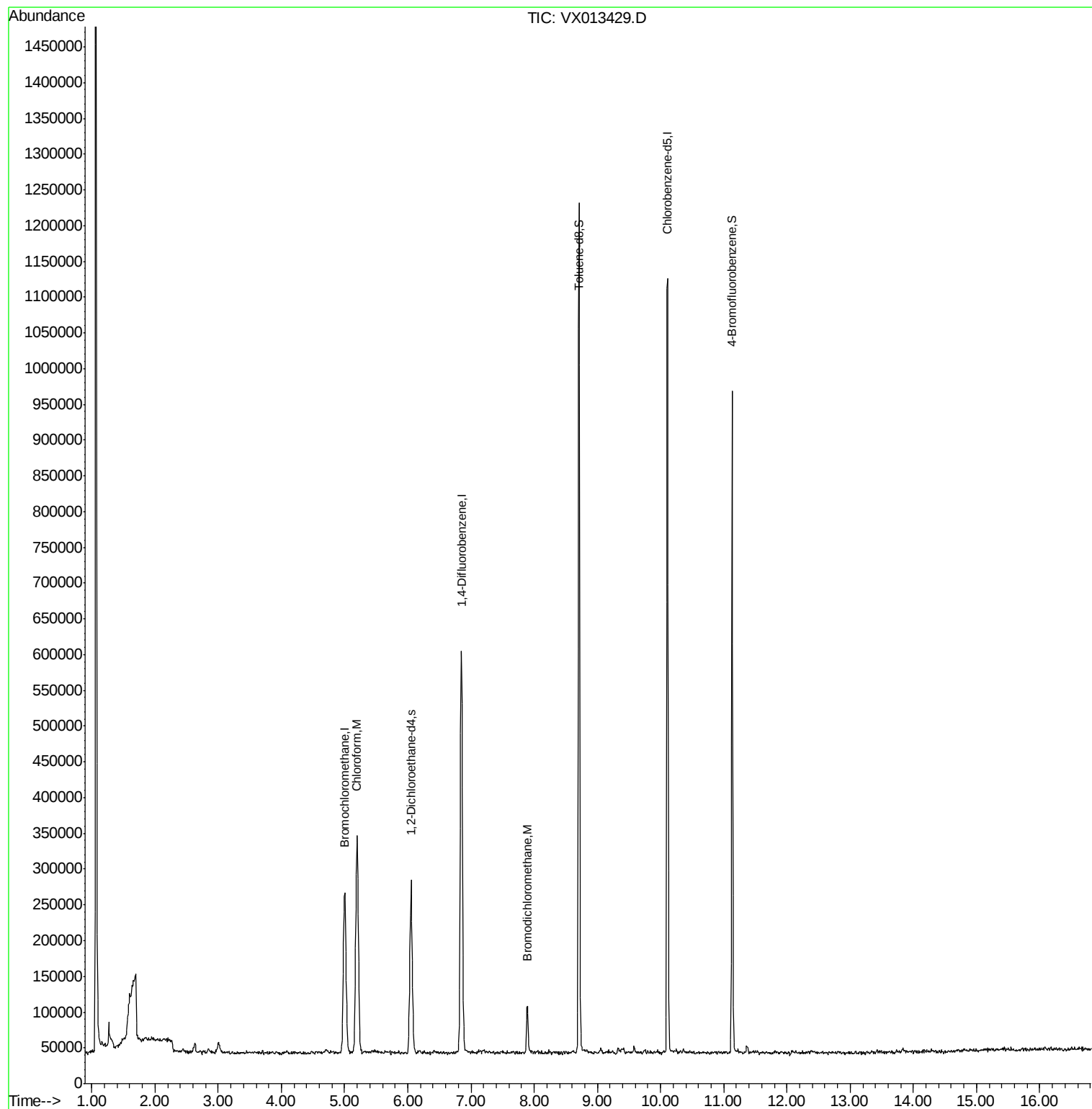
					Ovalue
25) Chloroform	5.20	83	357836	29.448	ug/l 98
41) Bromodichloromethane	7.89	83	46065	5.000	ug/l 93

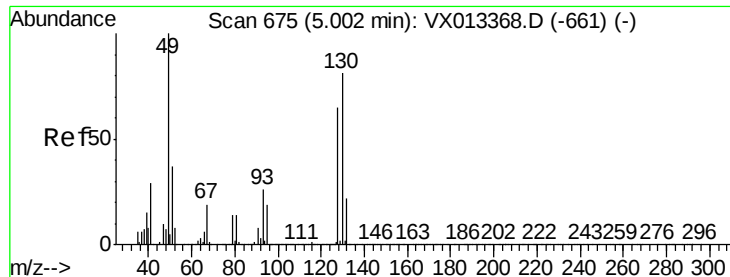
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 01:16:13 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX013429.D

Acq: 14 Nov 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
14B-2

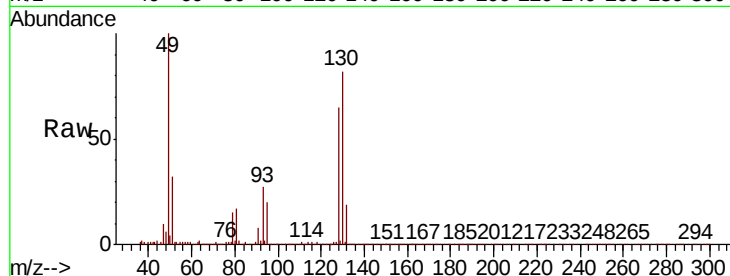
Tot Ion:128 Resp: 104165

Ion Ratio Lower Upper

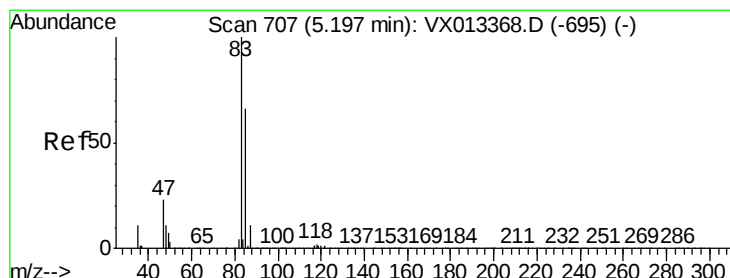
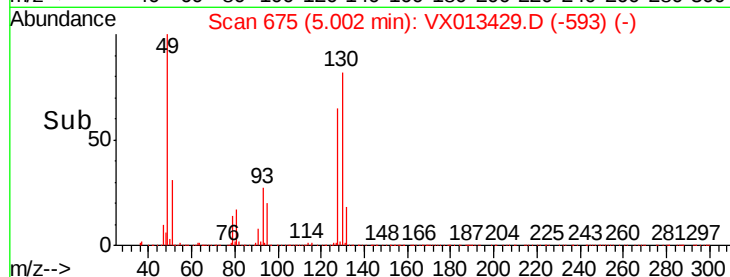
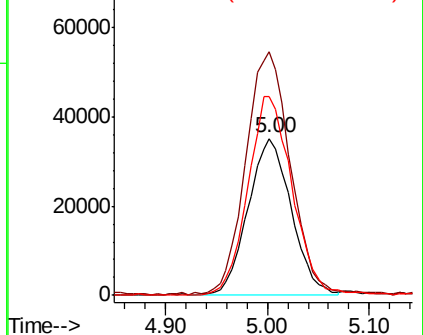
128 100

49 155.9 0.0 388.3

130 129.3 0.0 318.5



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: 29.448 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013429.D

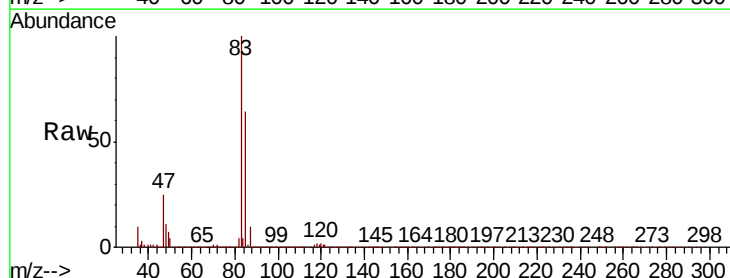
Acq: 14 Nov 2019 18:30

Tgt Ion: 83 Resp: 357836

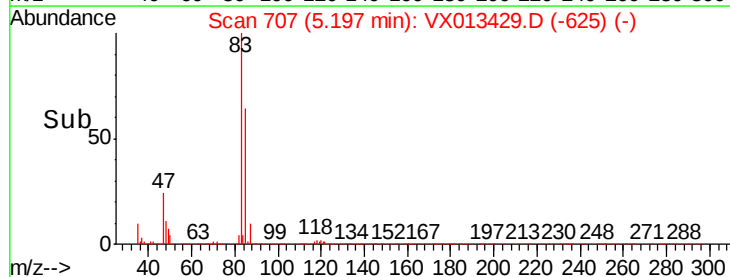
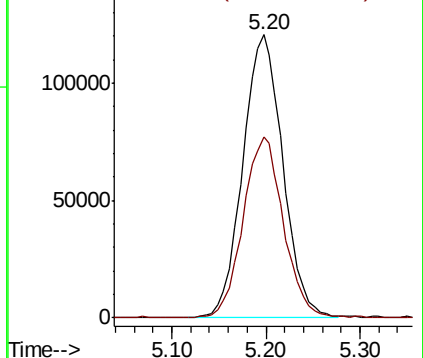
Ion Ratio Lower Upper

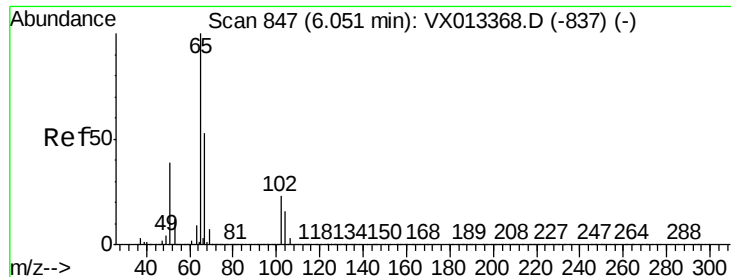
83 100

85 63.9 52.4 78.6



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: 29.500 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013429.D

Acq: 14 Nov 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

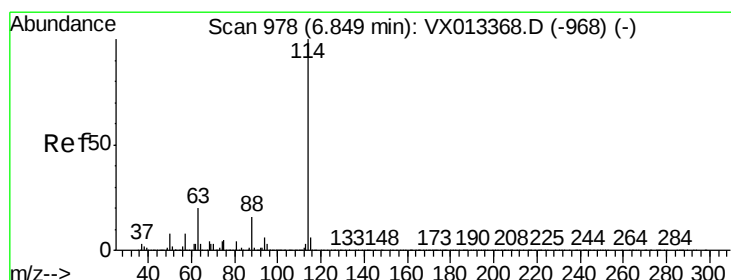
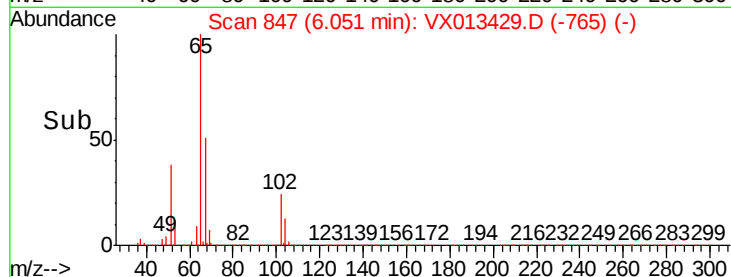
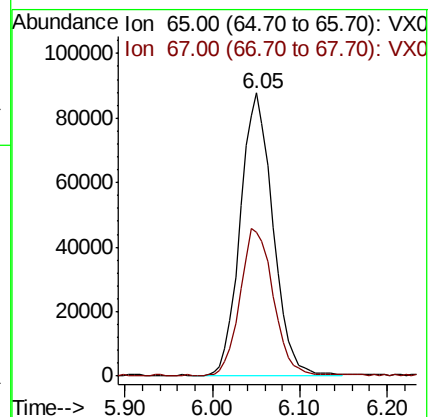
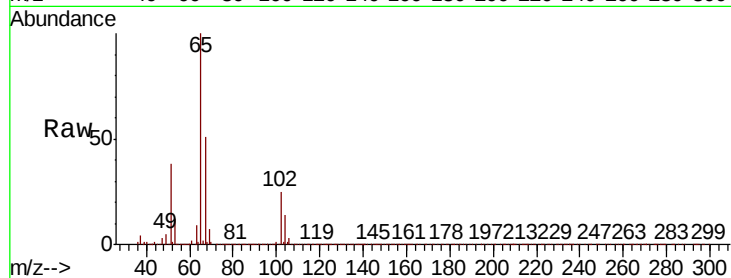
14B-2

Tot Ion: 65 Resp: 226906

Ion Ratio Lower Upper

65 100

67 52.8 41.0 61.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013429.D

Acq: 14 Nov 2019 18:30

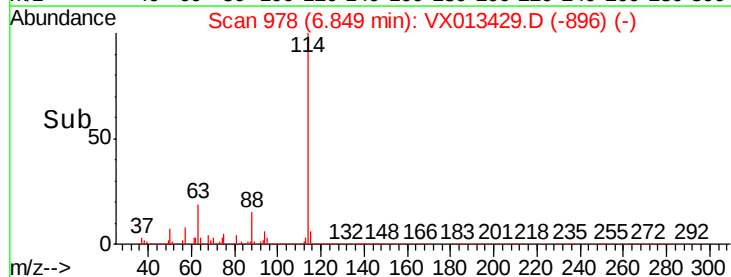
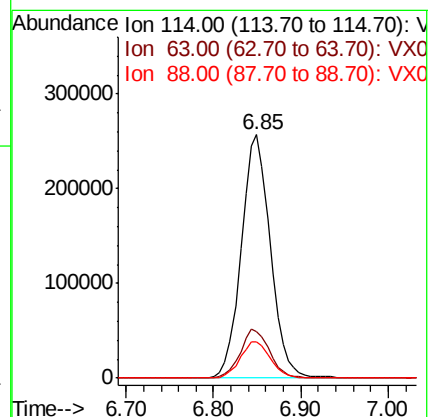
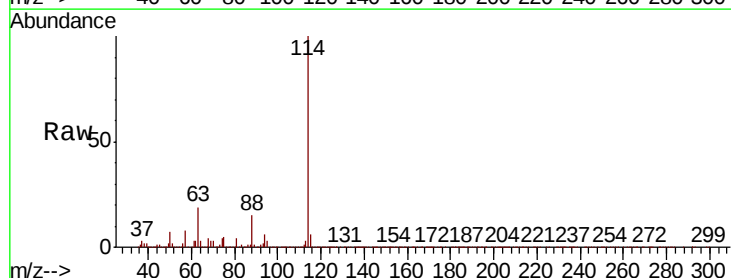
Tgt Ion: 114 Resp: 592017

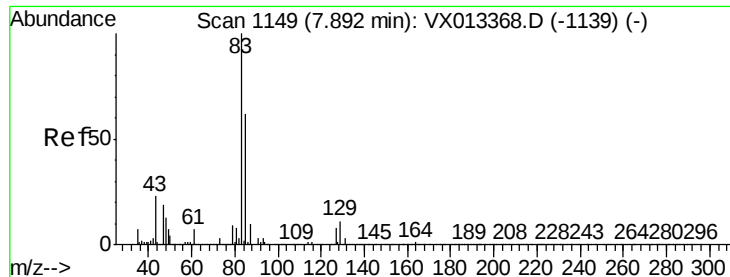
Ion Ratio Lower Upper

114 100

63 20.0 16.1 24.1

88 15.3 12.3 18.5





#41

Bromodichloromethane

Concen: 5.000 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013429.D

Acq: 14 Nov 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

14B-2

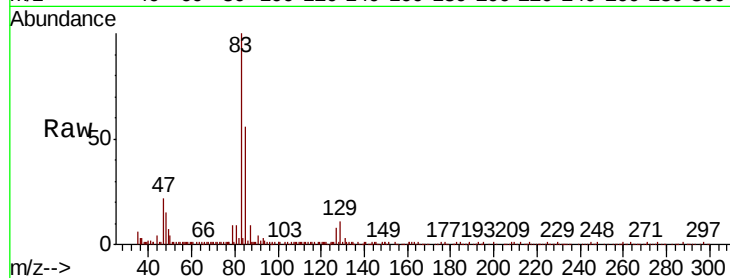
Tot Ion: 83 Resp: 46065

Ion Ratio Lower Upper

83 100

85 55.4 49.3 73.9

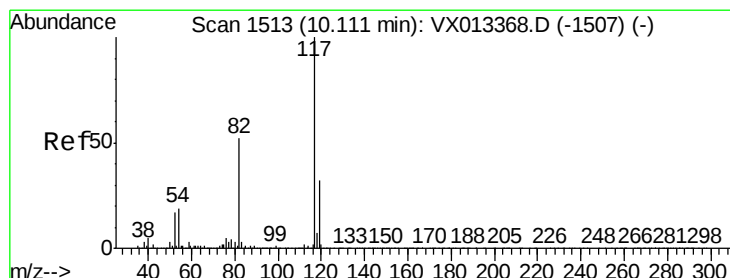
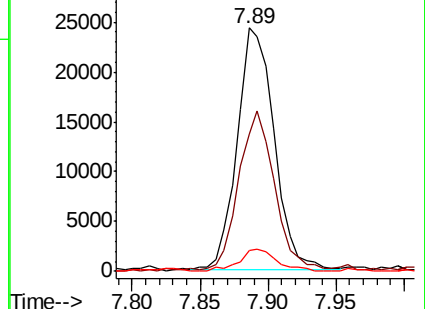
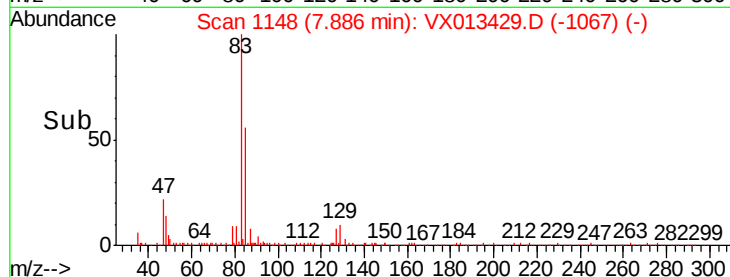
127 8.4 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013429.D

Acq: 14 Nov 2019 18:30

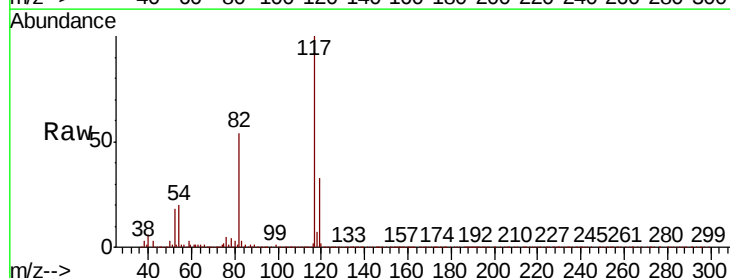
Tgt Ion:117 Resp: 518553

Ion Ratio Lower Upper

117 100

82 54.2 43.7 65.5

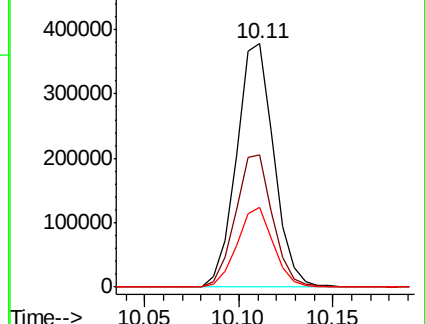
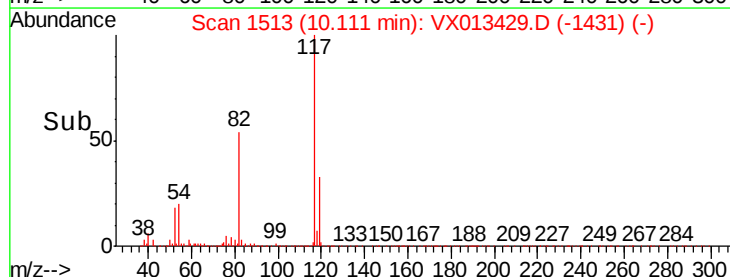
119 31.8 25.5 38.3

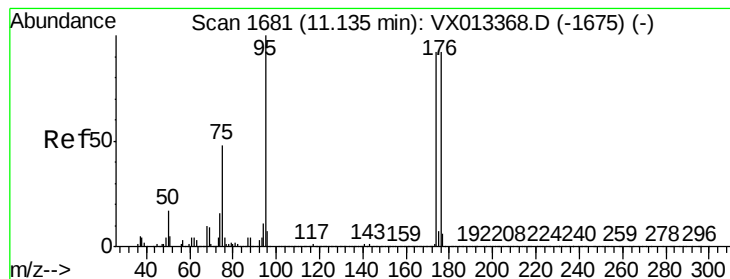


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 28.558 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013429.D

Acq: 14 Nov 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

14B-2

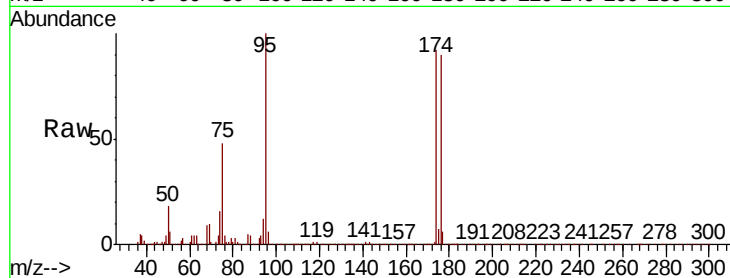
Tot Ion: 95 Resp: 238020

Ion Ratio Lower Upper

95 100

174 90.0 70.2 105.2

176 88.1 68.3 102.5



Abundance Ion 95.00 (94.70 to 95.70): VX013368.D (-1675) (-)

Ion 174.00 (173.70 to 174.70): VX013368.D (-1675) (-)

Ion 176.00 (175.70 to 176.70): VX013368.D (-1675) (-)

250000

200000

150000

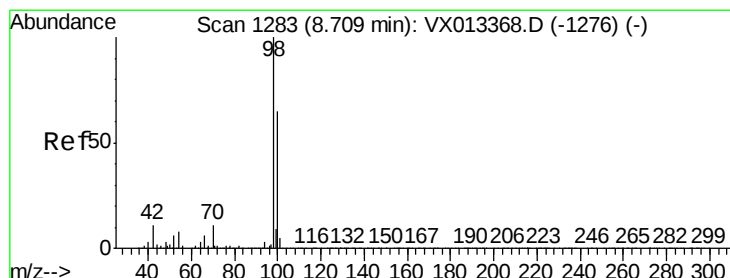
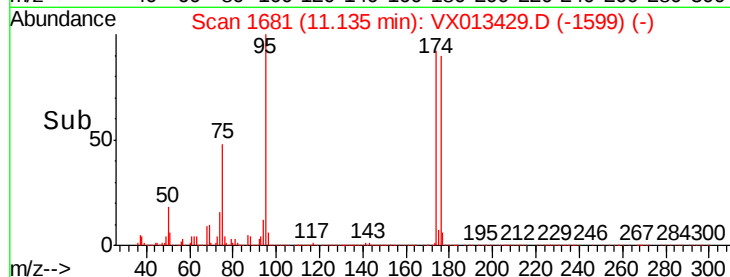
100000

50000

0

11.10 11.15 11.20

Time-->



#63

Toluene-d8

Concen: 29.720 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013429.D

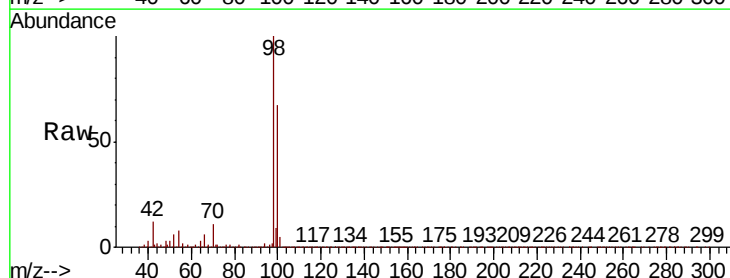
Acq: 14 Nov 2019 18:30

Tgt Ion: 98 Resp: 696900

Ion Ratio Lower Upper

98 100

100 65.9 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX013368.D (-1276) (-)

Ion 100.00 (99.70 to 100.70): VX013368.D (-1276) (-)

500000

400000

300000

200000

100000

0

8.65 8.70 8.75 8.80

Time-->

