

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
 Data File : VX008173.D
 Acq On : 18 Mar 2019 18:34
 Operator : JC/SP
 Sample : K1909-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 93-94

Quant Time: Mar 19 12:05:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 14:34:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	44762	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	248764	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	208877	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	116492	31.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.30%
60) 4-Bromofluorobenzene	11.13	95	95829	27.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.63%
63) Toluene-d8	8.71	98	305689	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

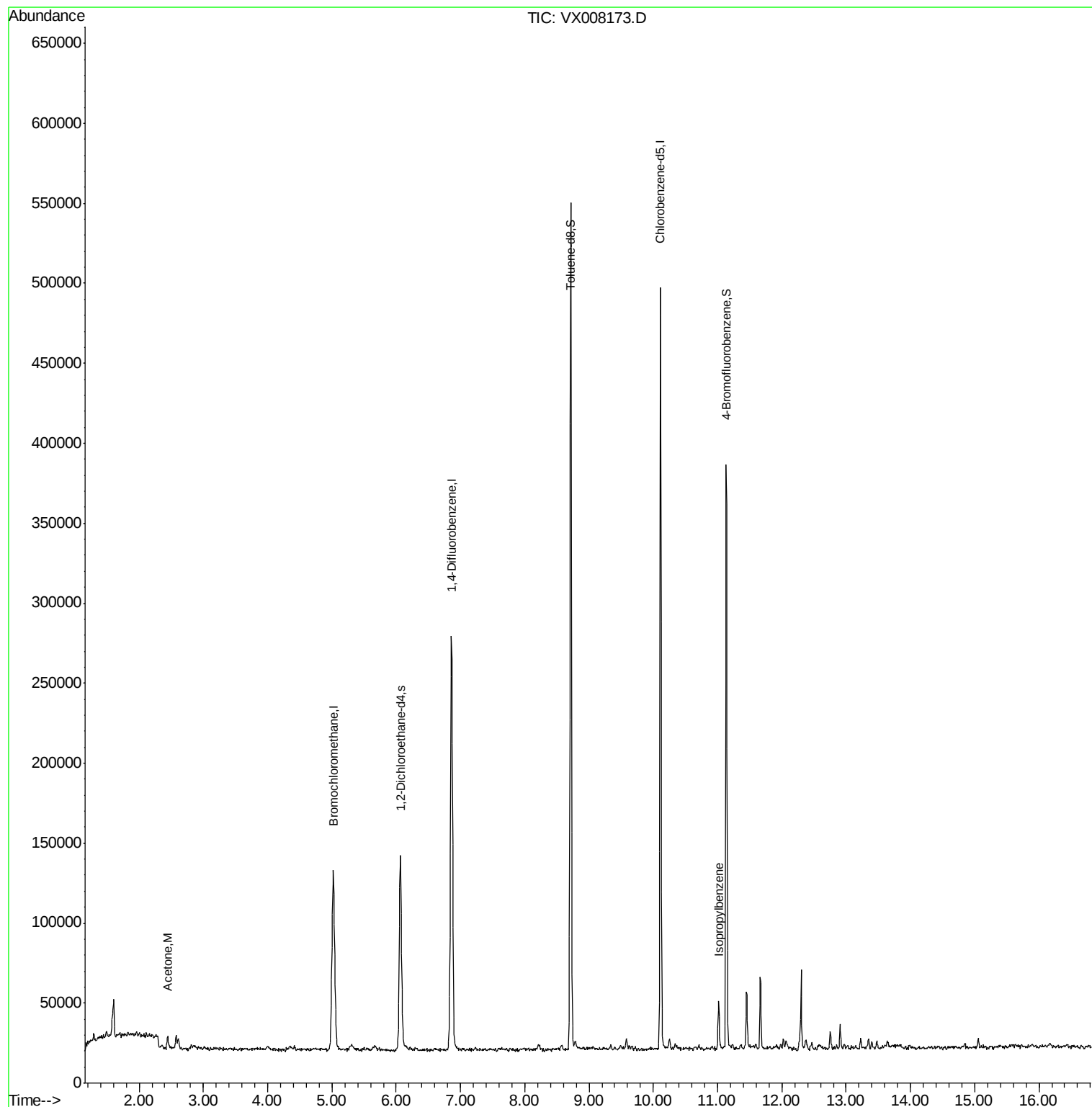
Target Compounds					Ovalue
15) Acetone	2.45	58	2165	4.411 ug/l	93
70) Isopropylbenzene	11.02	105	13922	1.378 ug/l	99

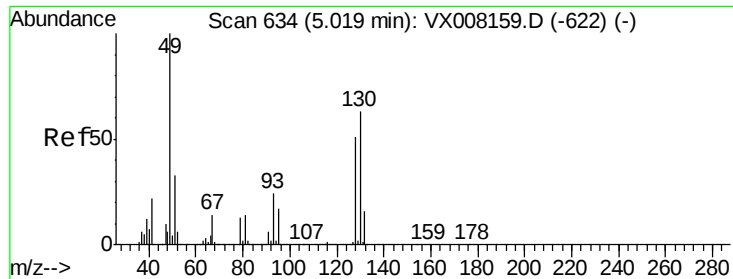
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008173.D

Acq: 18 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

93-94

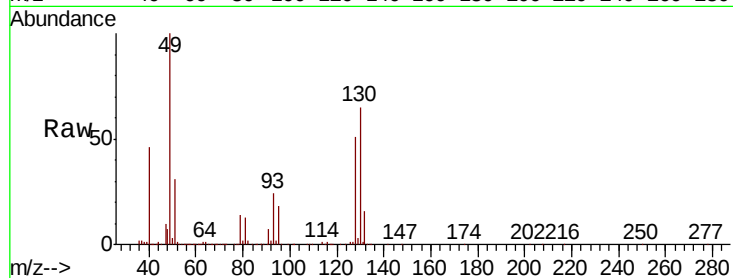
Tot Ion:128 Resp: 44762

Ion Ratio Lower Upper

128 100

49 199.7 0.0 350.8

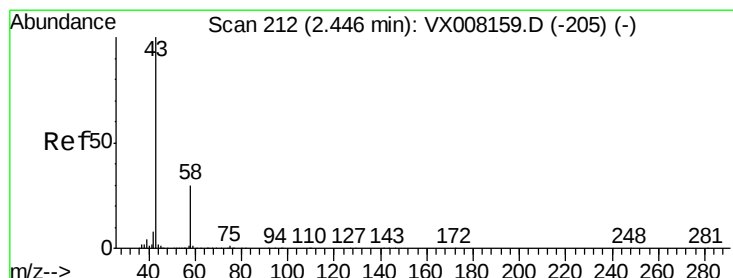
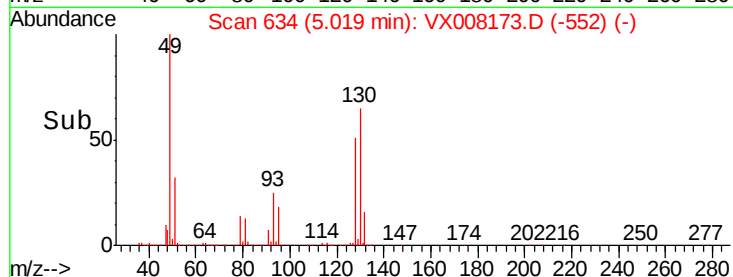
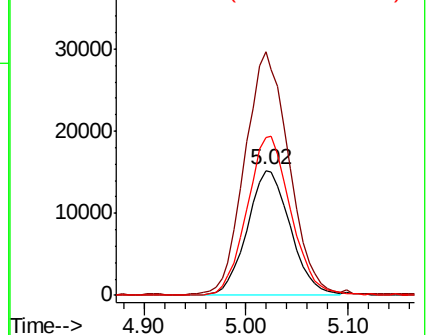
130 129.4 0.0 325.8



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



#15

Acetone

Concen: 4.411 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008173.D

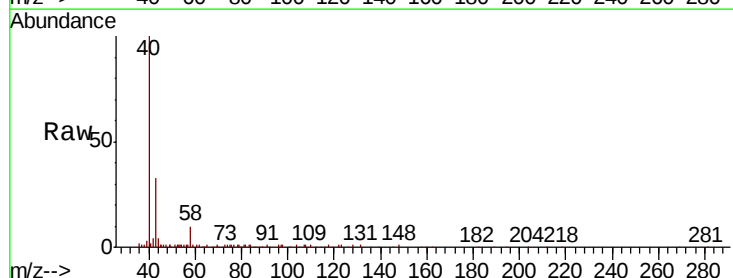
Acq: 18 Mar 2019 18:34

Tgt Ion: 58 Resp: 2165

Ion Ratio Lower Upper

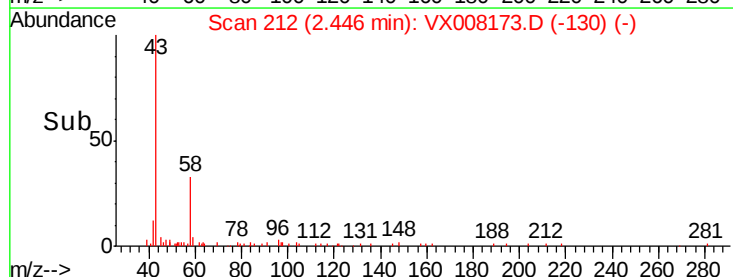
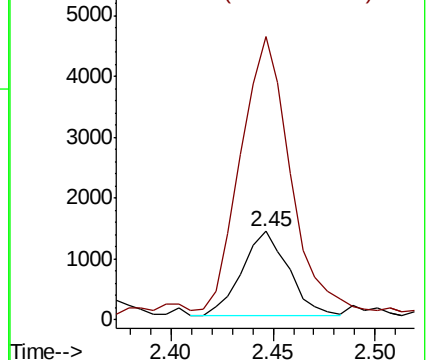
58 100

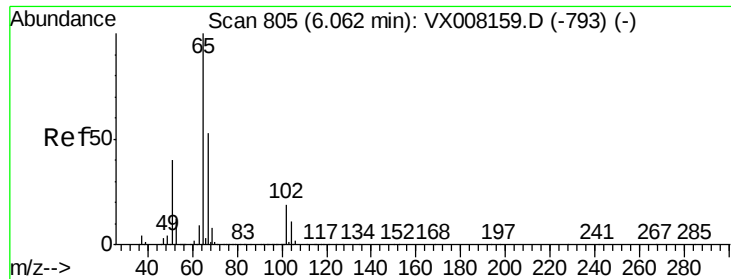
43 327.1 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 31.286 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX008173.D

Acq: 18 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

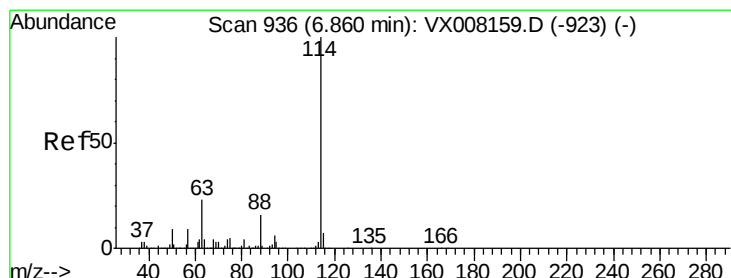
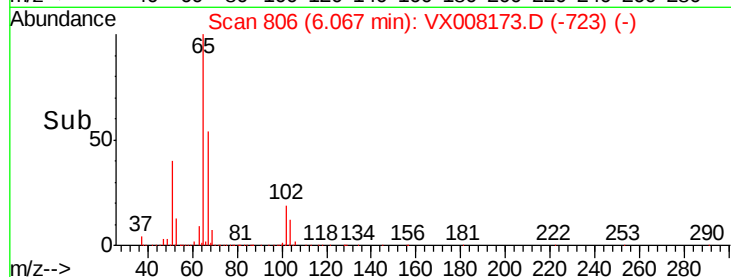
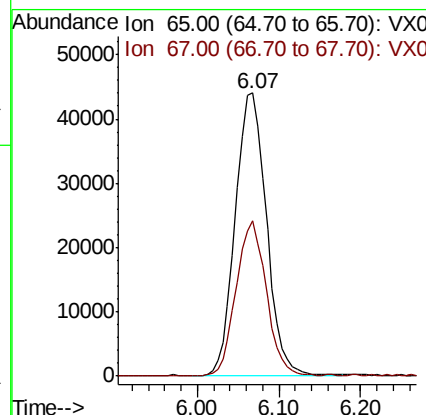
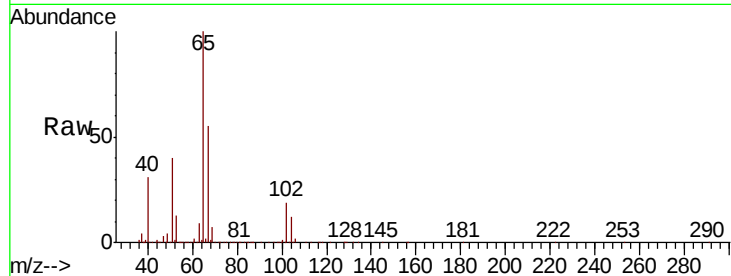
93-94

Tot Ion: 65 Resp: 116492

Ion Ratio Lower Upper

65 100

67 52.9 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008173.D

Acq: 18 Mar 2019 18:34

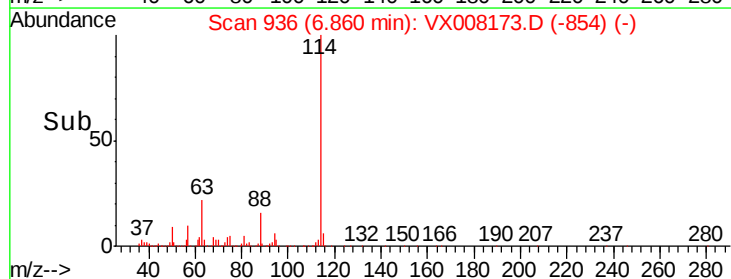
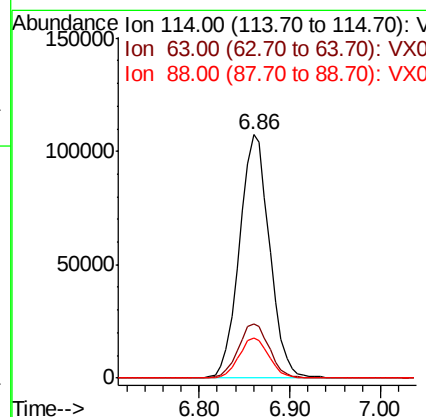
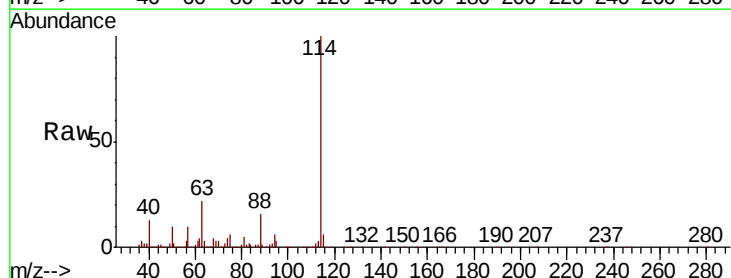
Tgt Ion: 114 Resp: 248764

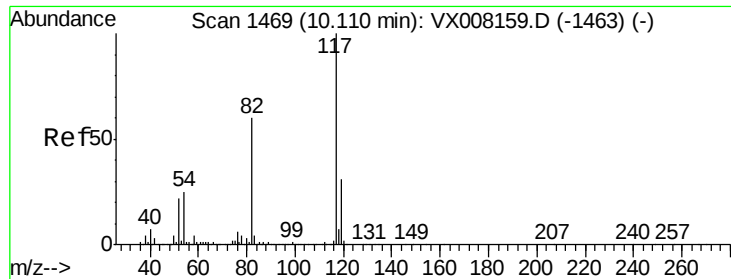
Ion Ratio Lower Upper

114 100

63 23.0 14.2 21.4#

88 16.4 11.9 17.9

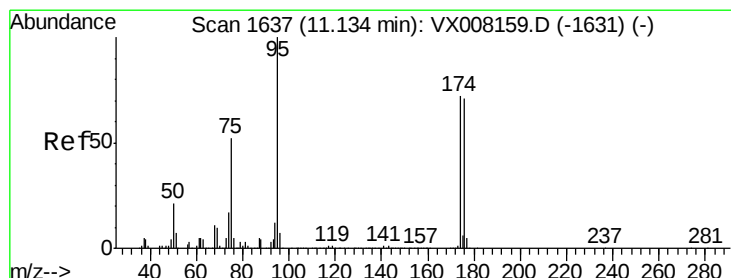
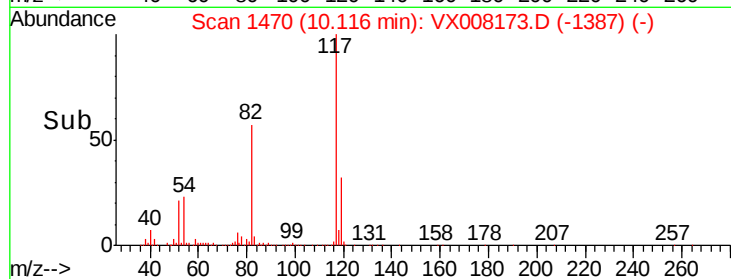
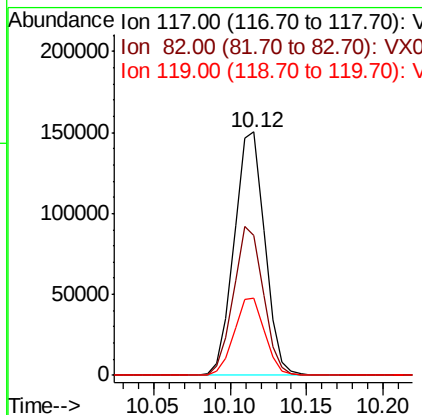
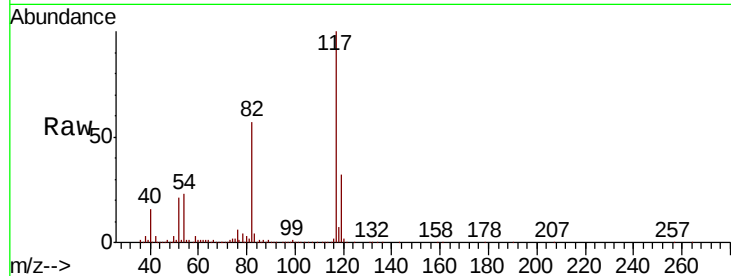




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008173.D
Acq: 18 Mar 2019 18:34

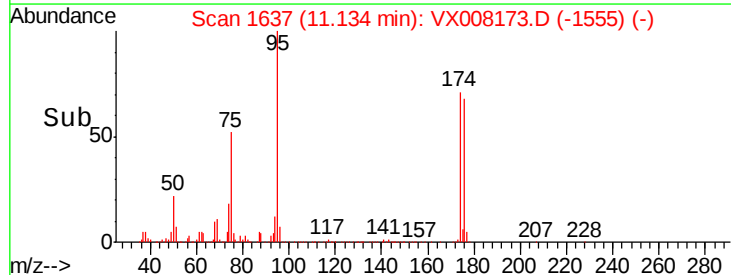
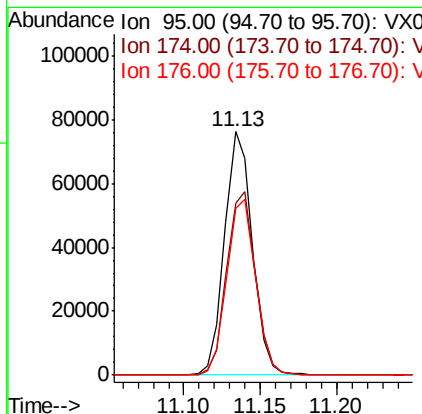
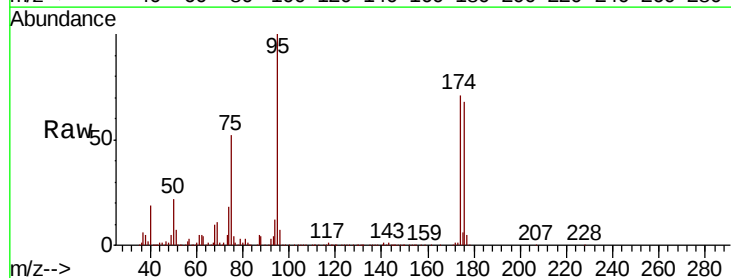
Instrument :
MSVOA_X
ClientSampleId :
93-94

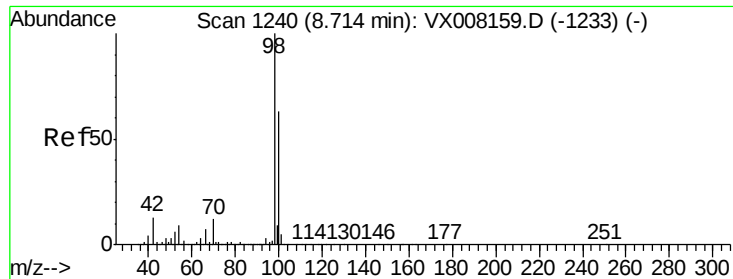
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	40.4	60.6
119	31.8	25.8	38.6



#60
4-Bromofluorobenzene
Concen: 27.489 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008173.D
Acq: 18 Mar 2019 18:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.8	74.9	112.3
176	75.6	70.7	106.1





#63

Toluene-d8

Concen: 30.121 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008173.D

Acq: 18 Mar 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

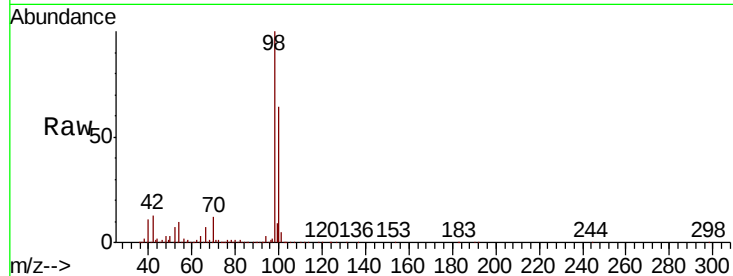
93-94

Tot Ion: 98 Resp: 305689

Ion Ratio Lower Upper

98 100

100 62.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX008159.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX008173.D (-1158) (-)

8.71

200000

150000

100000

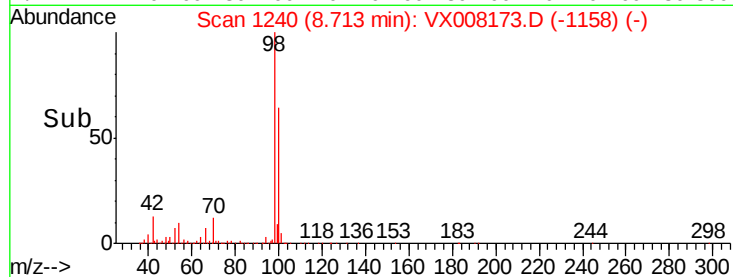
50000

0

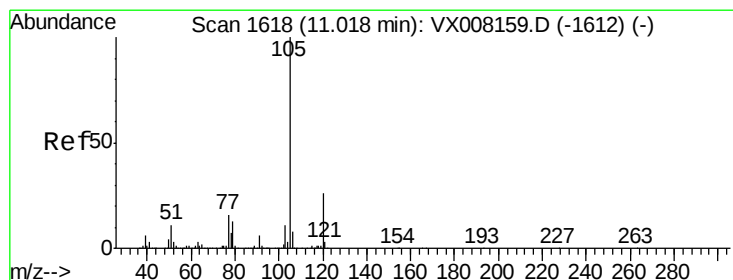
8.60

8.70

8.80



Time-->



#70

Isopropylbenzene

Concen: 1.378 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008173.D

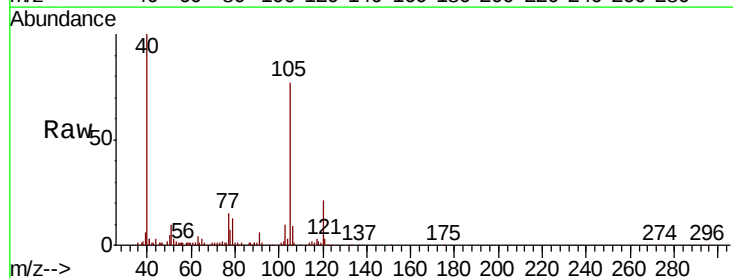
Acq: 18 Mar 2019 18:34

Tgt Ion: 105 Resp: 13922

Ion Ratio Lower Upper

105 100

120 28.0 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): VX008159.D (-1612) (-)

Ion 120.00 (119.70 to 120.70): VX008173.D (-1536) (-)

11.02

12000

10000

8000

6000

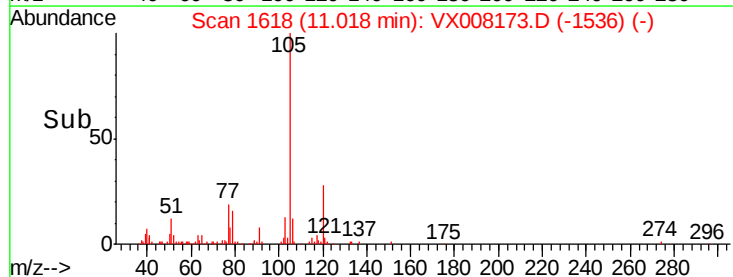
4000

2000

0

11.00

11.05



Time-->