

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007961.D
 Acq On : 11 Mar 2019 10:27
 Operator : JC/SP
 Sample : VX0311WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBL01

Quant Time: Mar 12 08:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	42220	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	217308	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	190357	30.00	ug/l	0.00

System Monitoring Compounds

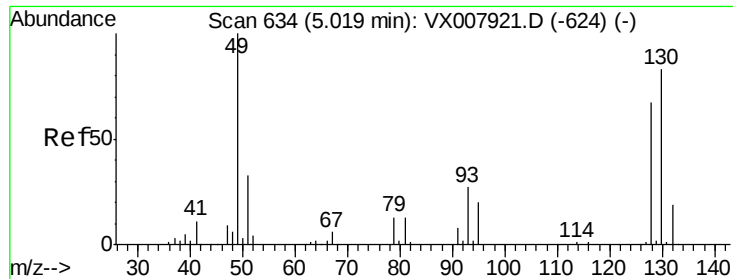
27) 1,2-Dichloroethane-d4	6.07	65	81369	29.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.73%
60) 4-Bromofluorobenzene	11.13	95	83382	27.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.47%
63) Toluene-d8	8.71	98	255895	29.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.90%

Target Compounds

					Ovalue	
23) tert-Butyl Alcohol	3.05	59	140	0.211	ug/l #	71
51) Ethyl methacrylate	8.72	69	873	0.216	ug/l	90
56) Bromoform	11.13	173	779	0.357	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.13	75	37853	33.130	ug/l #	5

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031119\  
Data File : VX007961.D  
Acq On    : 11 Mar 2019   10:27  
Operator  : JC/SP  
Sample    : VX0311WBL01  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 3      Sample Multiplier: 1
```



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX007961.D

Acq: 11 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBL01

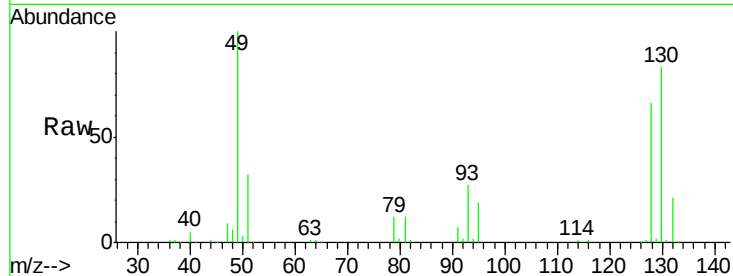
Tot Ion:128 Resp: 42220

Ion Ratio Lower Upper

128 100

49 153.4 0.0 350.8

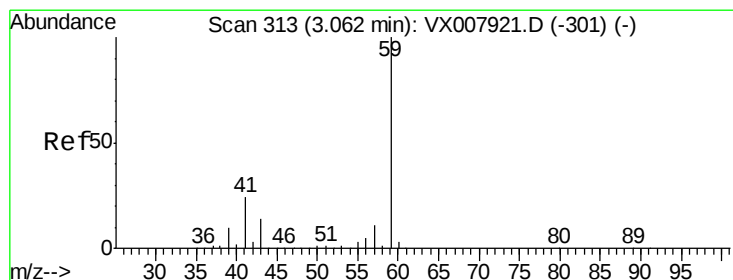
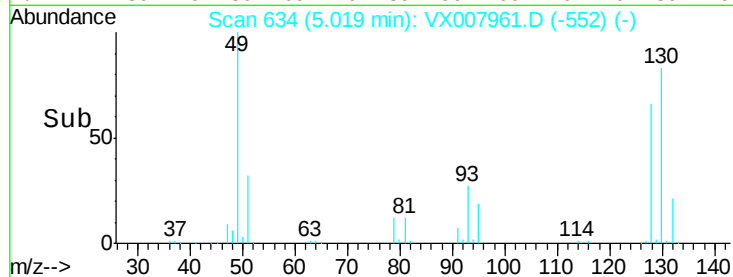
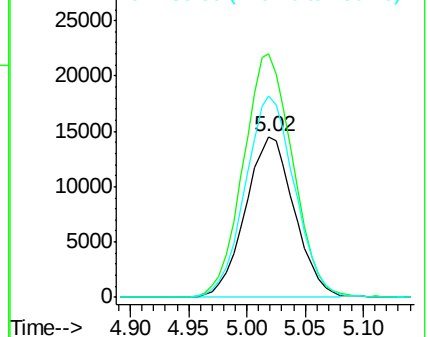
130 126.8 0.0 325.8



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



#23

tert-Butyl Alcohol

Concen: 0.211 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.01 min

Lab File: VX007961.D

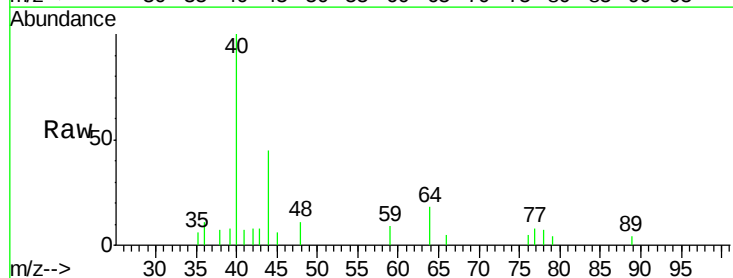
Acq: 11 Mar 2019 10:27

Tgt Ion: 59 Resp: 140

Ion Ratio Lower Upper

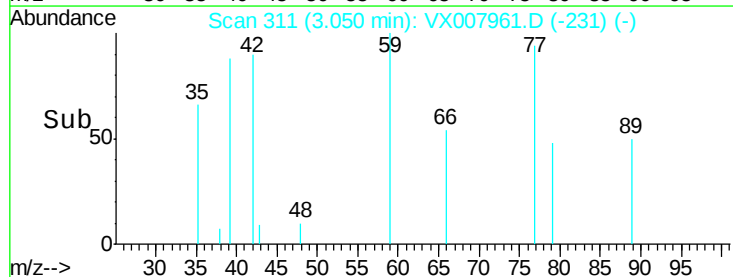
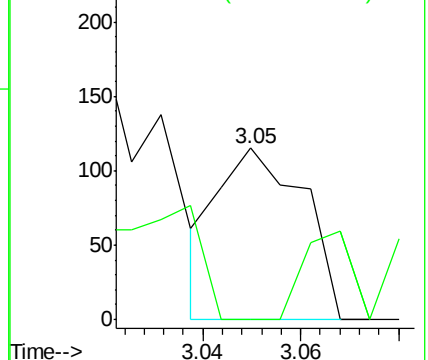
59 100

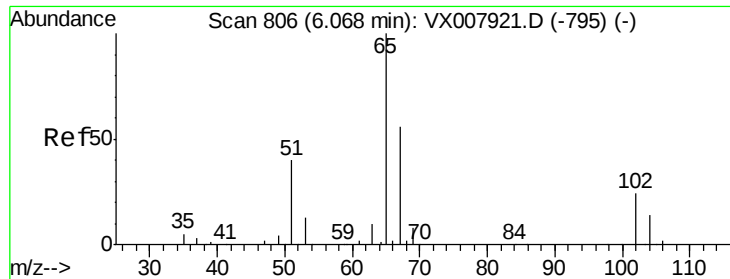
52 37.9 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

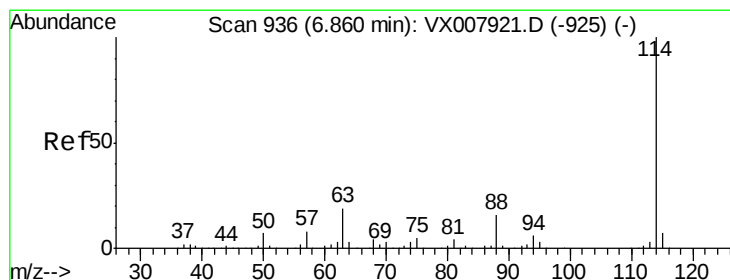
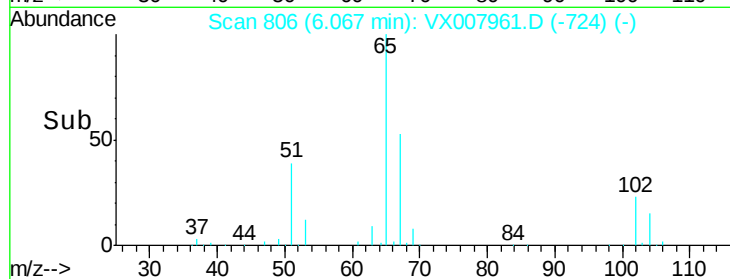
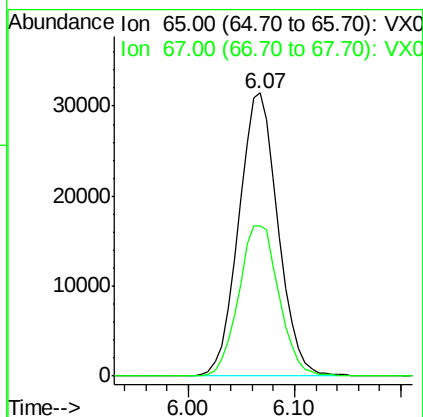
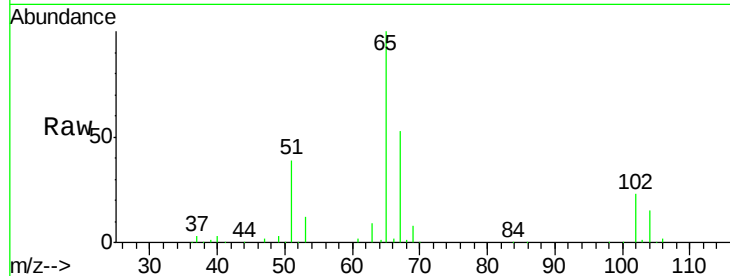




#27
 1,2-Dichloroethane-d4
 Concen: 29.321 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007961.D
 Acq: 11 Mar 2019 10:27

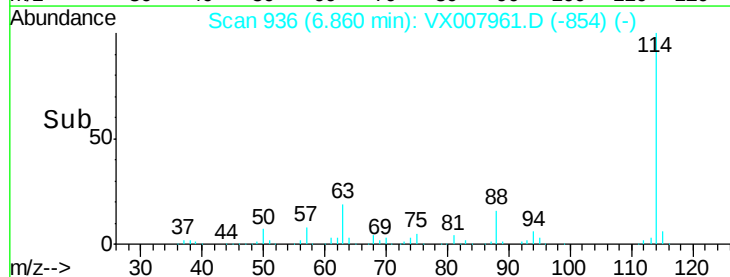
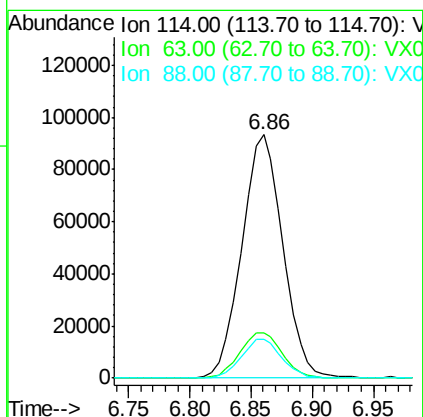
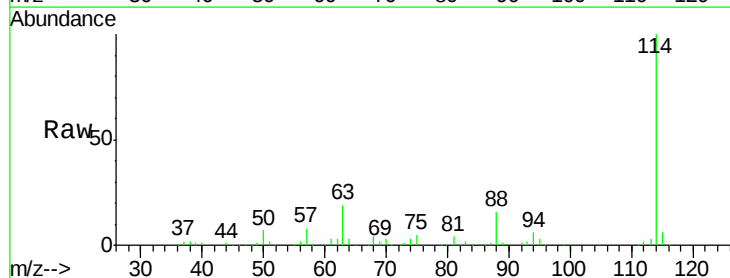
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBL01

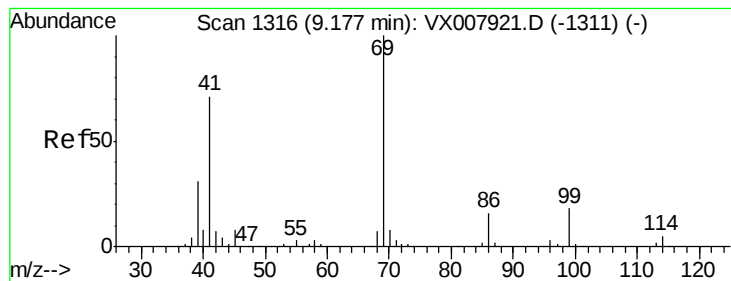
Tot Ion: 65 Resp: 81369
 Ion Ratio Lower Upper
 65 100
 67 54.7 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007961.D
 Acq: 11 Mar 2019 10:27

Tgt Ion: 114 Resp: 217308
 Ion Ratio Lower Upper
 114 100
 63 19.5 14.2 21.4
 88 16.0 11.9 17.9





#51

Ethyl methacrylate

Concen: 0.216 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.46 min

Lab File: VX007961.D

Acq: 11 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBL01

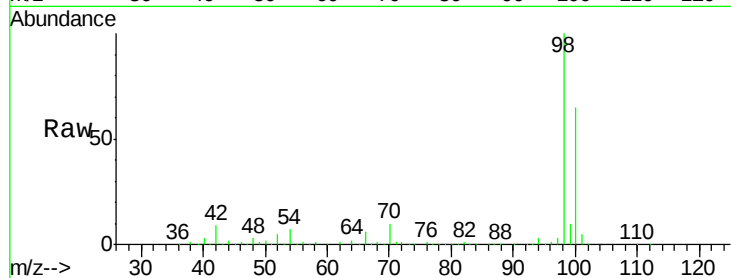
Tot Ion: 69 Resp: 873

Ion Ratio Lower Upper

69 100

41 65.9 32.1 96.5

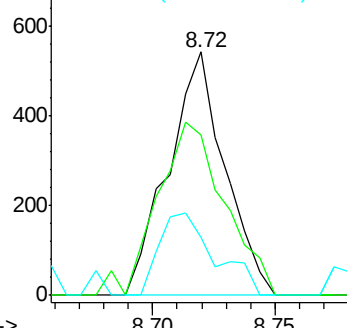
39 24.0 18.8 56.3



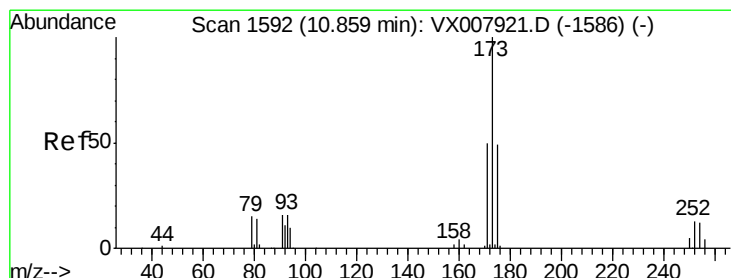
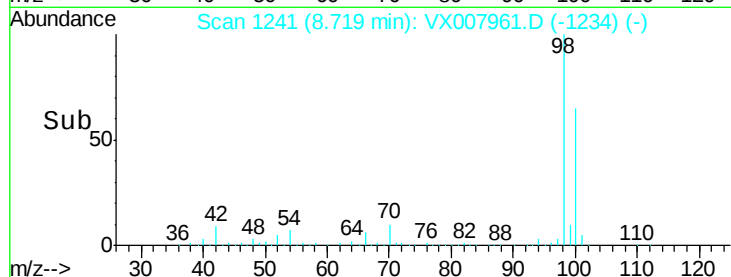
Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->



#56

Bromoform

Concen: 0.357 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.27 min

Lab File: VX007961.D

Acq: 11 Mar 2019 10:27

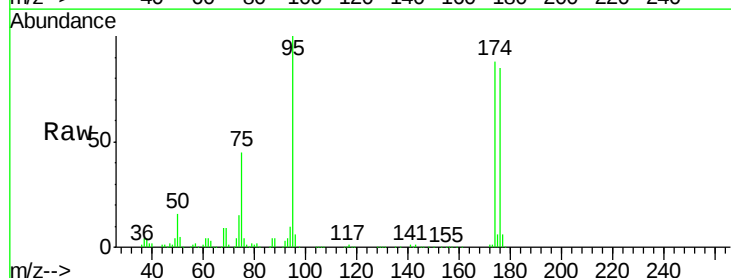
Tgt Ion: 173 Resp: 779

Ion Ratio Lower Upper

173 100

175 726.4 38.5 57.7#

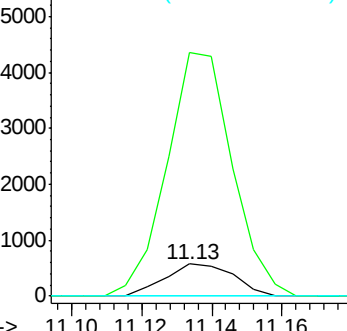
254 0.0 7.4 11.2#



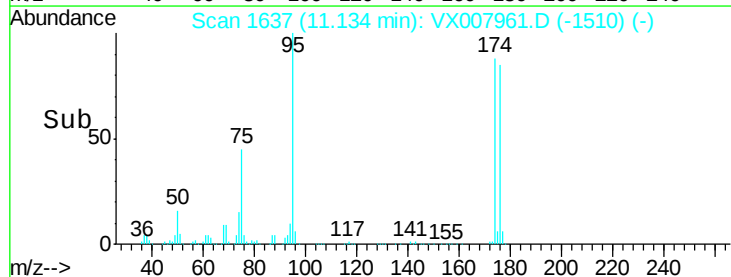
Abundance Ion 173.00 (172.70 to 173.70): V

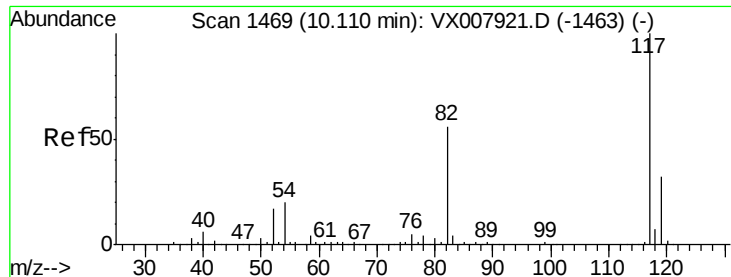
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



Time-->

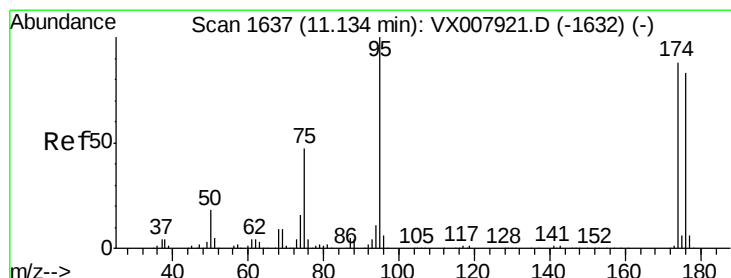
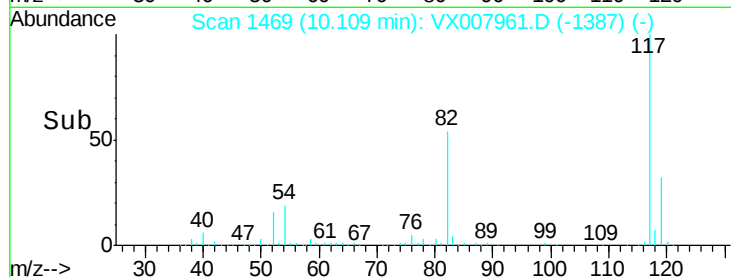
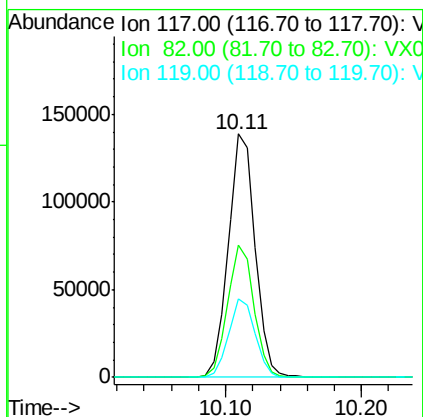
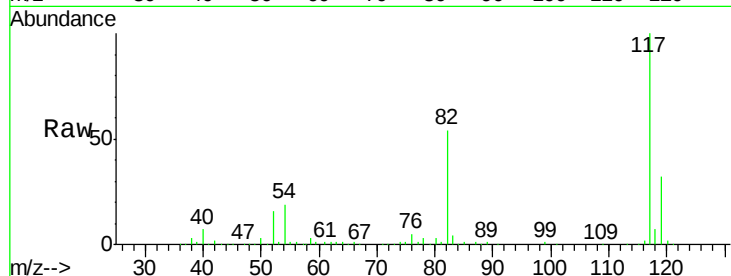




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007961.D
Acq: 11 Mar 2019 10:27

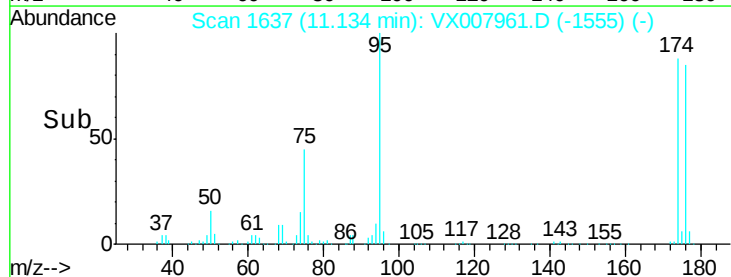
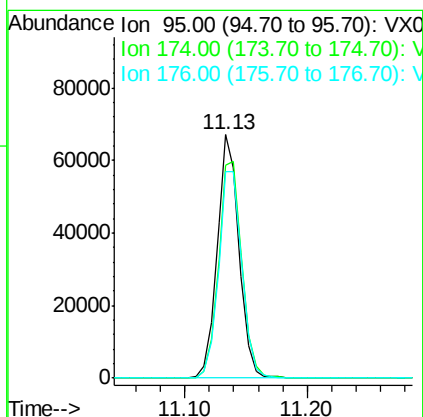
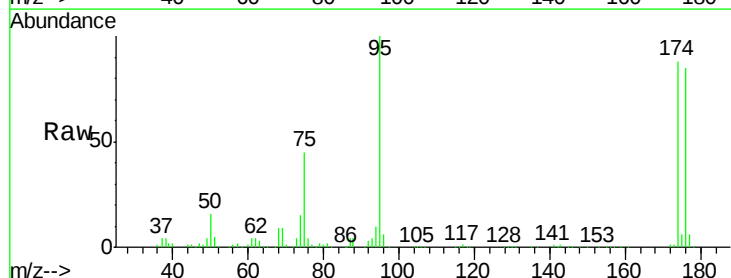
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBL01

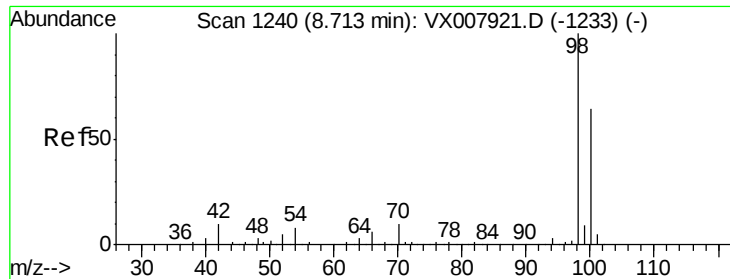
Tot Ion:117 Resp: 190357
Ion Ratio Lower Upper
117 100
82 53.6 40.4 60.6
119 32.1 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 27.443 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007961.D
Acq: 11 Mar 2019 10:27

Tgt Ion: 95 Resp: 83382
Ion Ratio Lower Upper
95 100
174 94.4 74.9 112.3
176 90.8 70.7 106.1





#63

Toluene-d8

Concen: 29.374 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007961.D

Acq: 11 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

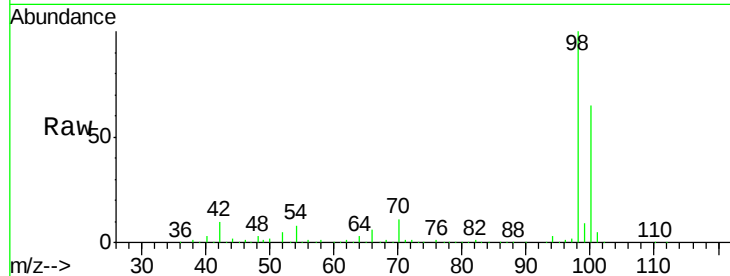
VX0311WBL01

Tot Ion: 98 Resp: 255895

Ion Ratio Lower Upper

98 100

100 64.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

150000

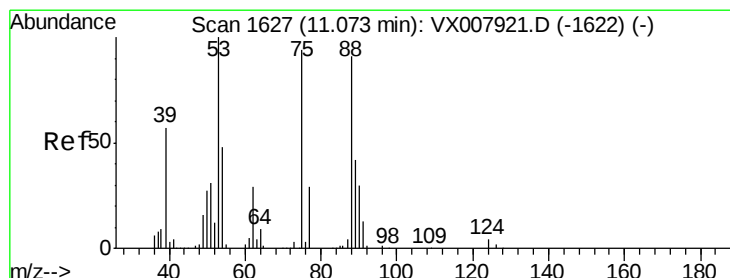
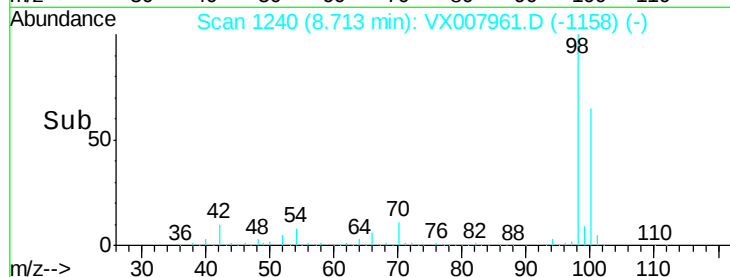
100000

50000

0

Time-->

8.65 8.70 8.75 8.80



#77

t-1,4-Dichloro-2-butene

Concen: 33.130 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007961.D

Acq: 11 Mar 2019 10:27

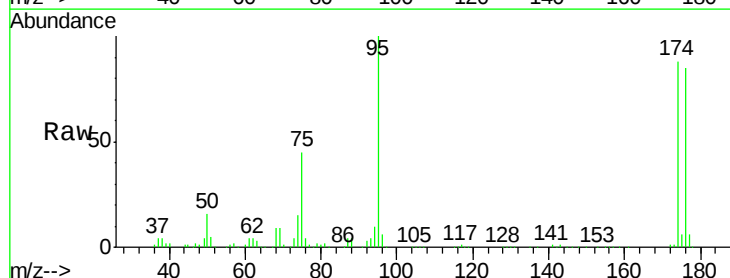
Tgt Ion: 75 Resp: 37853

Ion Ratio Lower Upper

75 100

53 0.0 55.5 166.7#

89 0.0 24.4 73.2#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

11.13

40000

30000

20000

10000

0

Time-->

11.10 11.15 11.20

