

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\  
 Data File : VX013245.D  
 Acq On : 28 Oct 2019 14:06  
 Operator : JC/SP  
 Sample : K5580-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT-TB-20191025

Quant Time: Oct 29 14:25:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Oct 22 01:53:07 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.01  | 128  | 22150    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.85  | 114  | 122246   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 108325   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.06   | 65    | 55033    | 31.56    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 105.20% |
| 60) 4-Bromofluorobenzene  | 11.13  | 95    | 51430    | 27.27    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 90.90%  |
| 63) Toluene-d8            | 8.71   | 98    | 147910   | 30.70    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 102.33% |

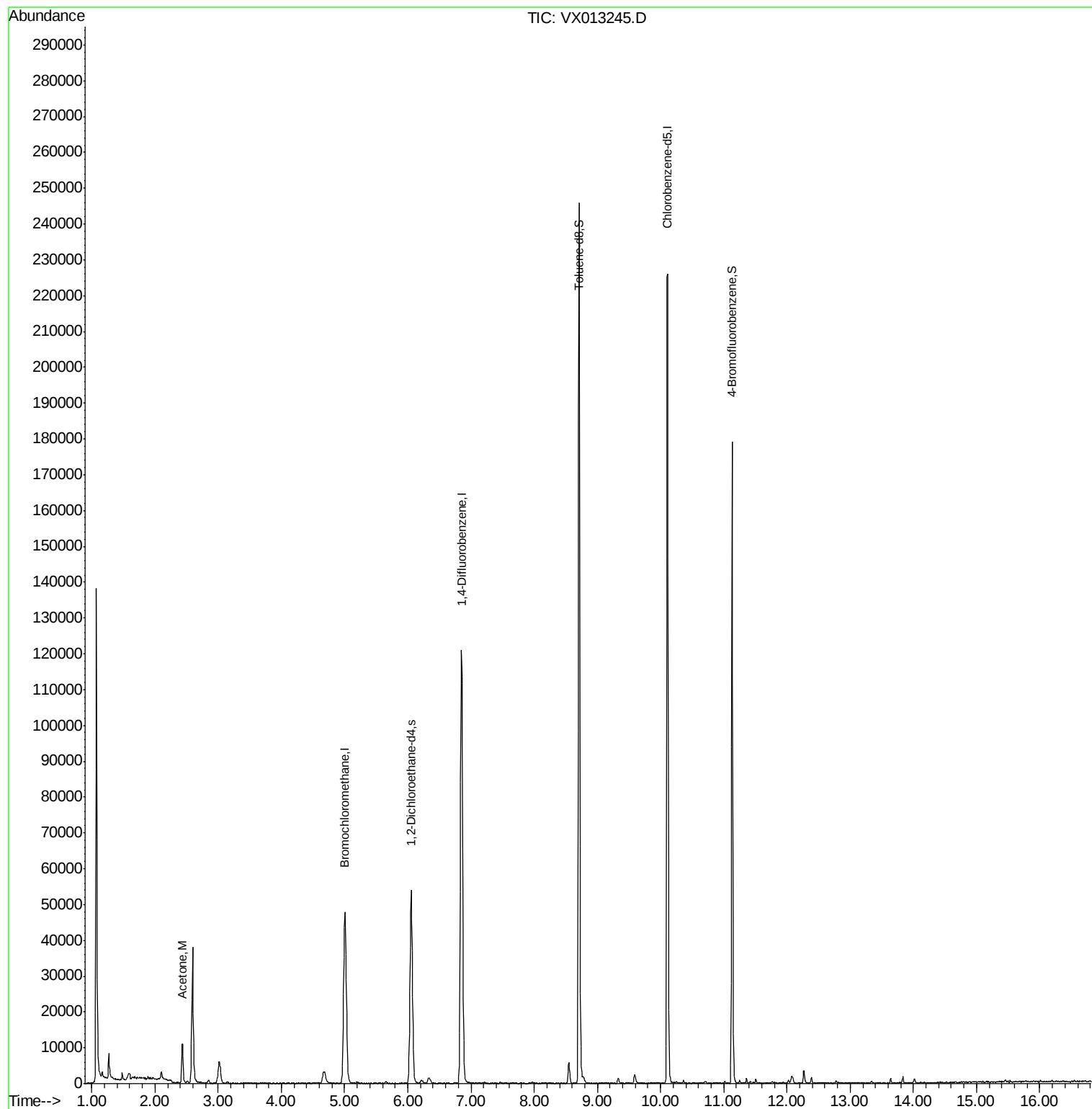
| Target Compounds |      |    |      |        | Ovalue  |
|------------------|------|----|------|--------|---------|
| 15) Acetone      | 2.44 | 58 | 3574 | 14.783 | ug/l 89 |

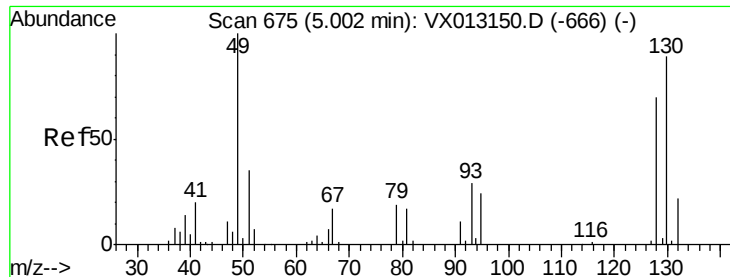
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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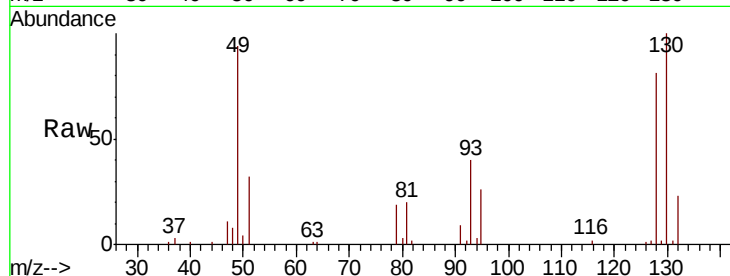




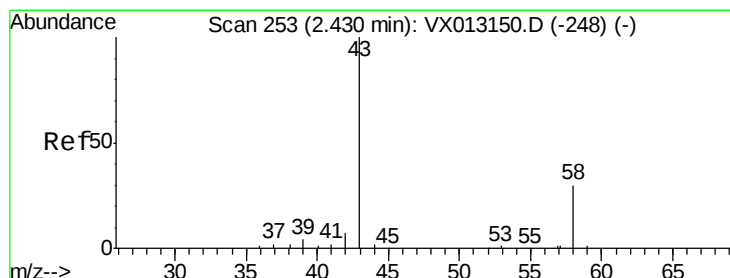
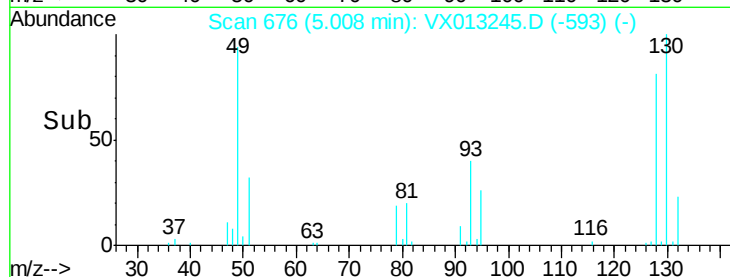
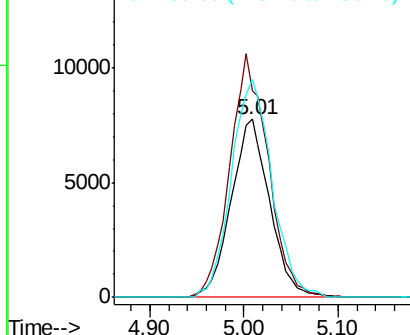
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 5.01 min Scan# 676  
Delta R.T. 0.01 min  
Lab File: VX013245.D  
Acq: 28 Oct 2019 14:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT-TB-20191025

Tot Ion:128 Resp: 22150  
Ion Ratio Lower Upper  
128 100  
49 135.3 0.0 367.3  
130 129.2 0.0 325.0

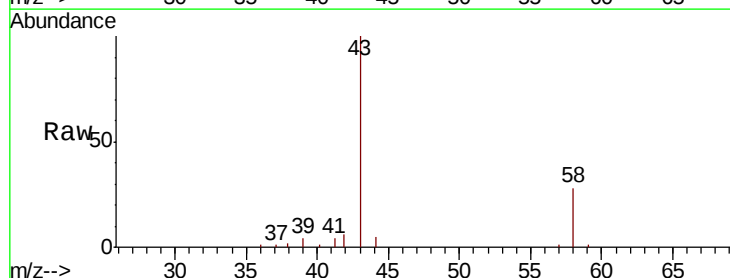


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 49.00 (48.70 to 49.70): VX0  
Ion 130.00 (129.70 to 130.70): V

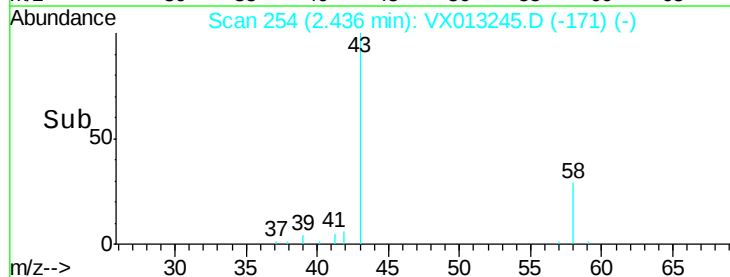
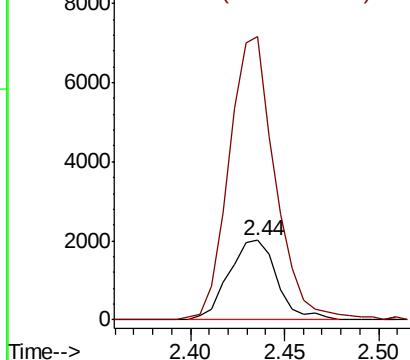


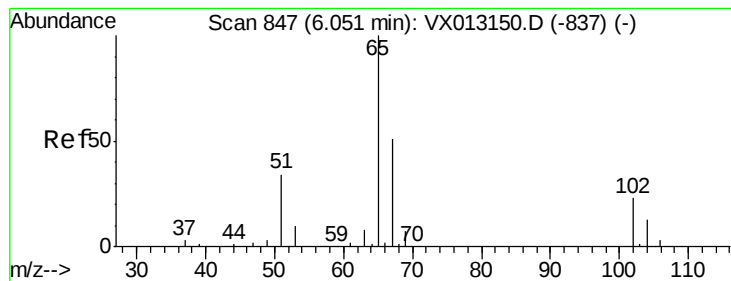
#15  
Acetone  
Concen: 14.783 ug/l  
RT: 2.44 min Scan# 254  
Delta R.T. 0.01 min  
Lab File: VX013245.D  
Acq: 28 Oct 2019 14:06

Tgt Ion: 58 Resp: 3574  
Ion Ratio Lower Upper  
58 100  
43 351.5 262.8 394.2



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: 31.561 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013245.D

Acq: 28 Oct 2019 14:06

Instrument :

MSVOA\_X

ClientSampleId :

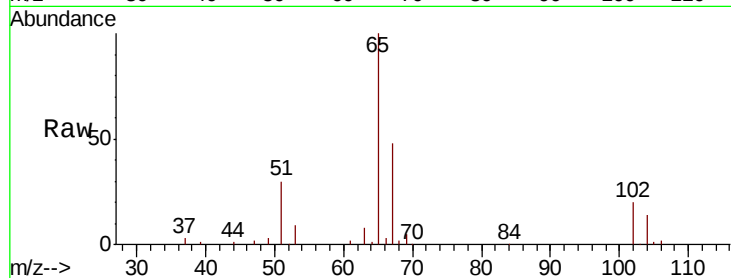
TT-TB-20191025

Tot Ion: 65 Resp: 55033

Ion Ratio Lower Upper

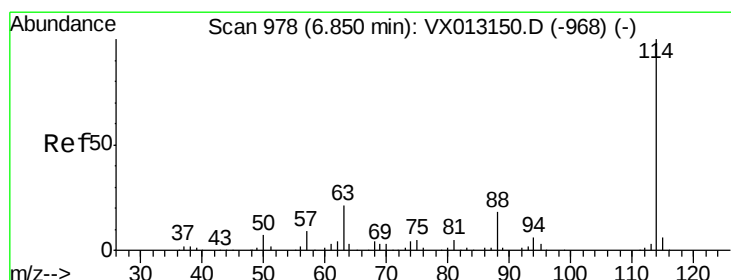
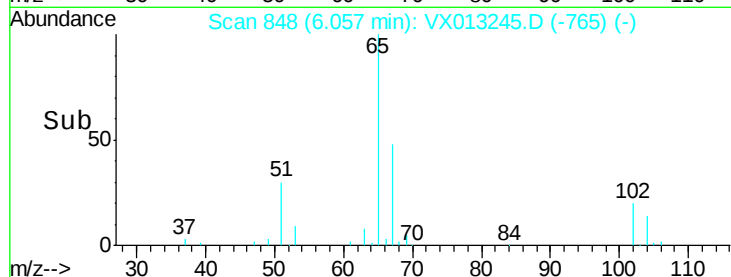
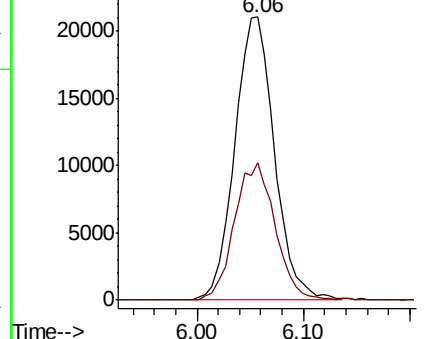
65 100

67 49.3 42.2 63.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013245.D

Acq: 28 Oct 2019 14:06

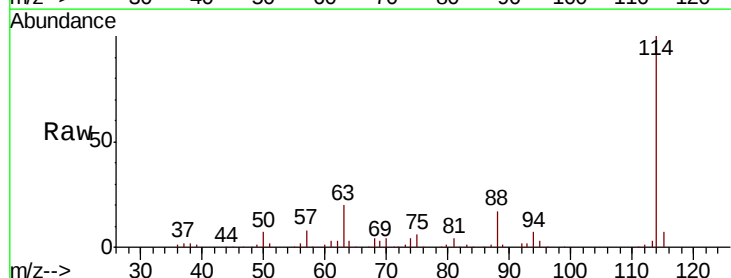
Tgt Ion: 114 Resp: 122246

Ion Ratio Lower Upper

114 100

63 20.8 16.1 24.1

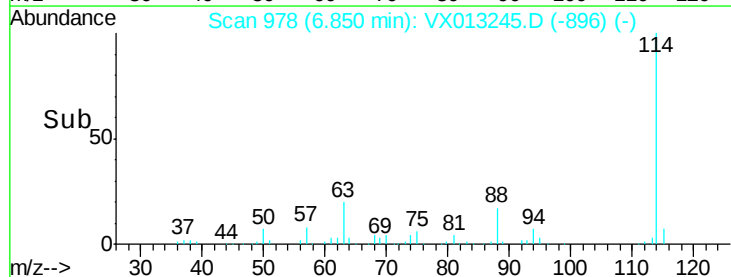
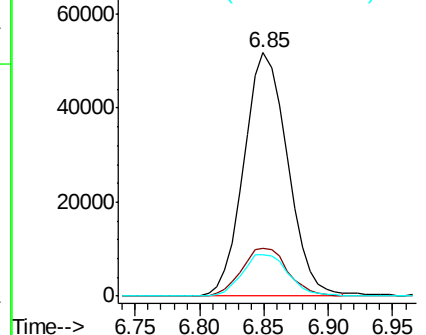
88 17.9 13.7 20.5

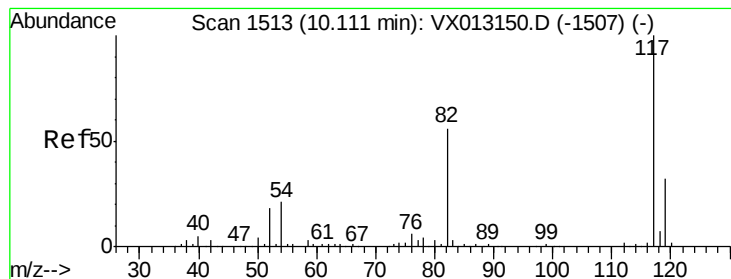


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013245.D

Acq: 28 Oct 2019 14:06

Instrument :

MSVOA\_X

ClientSampleId :

TT-TB-20191025

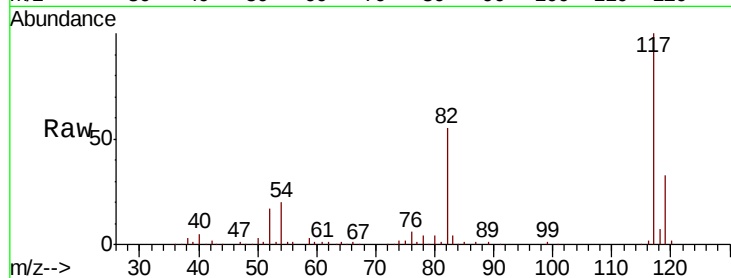
Tot Ion:117 Resp: 108325

Ion Ratio Lower Upper

117 100

82 56.7 46.0 69.0

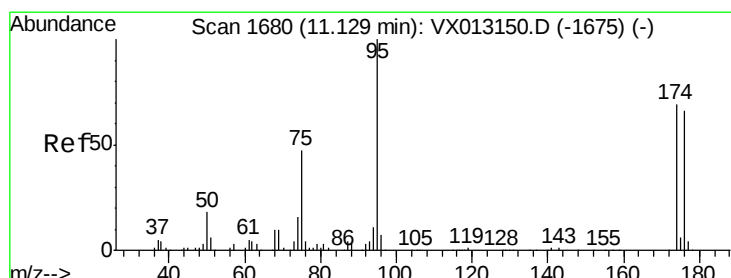
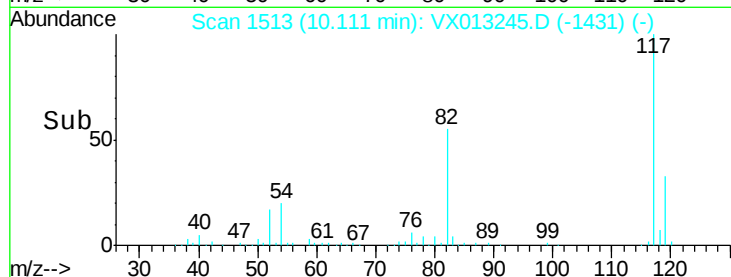
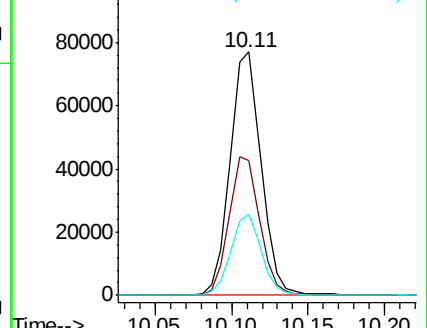
119 32.8 25.4 38.0



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: 27.265 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013245.D

Acq: 28 Oct 2019 14:06

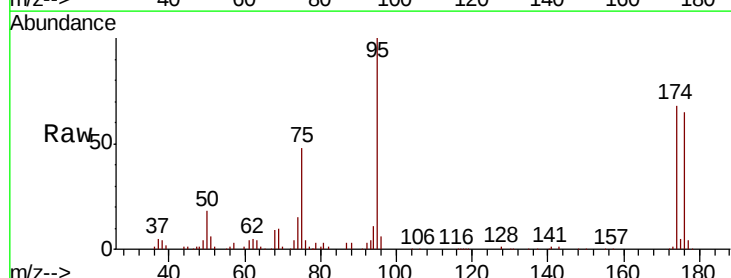
Tgt Ion: 95 Resp: 51430

Ion Ratio Lower Upper

95 100

174 79.2 60.0 90.0

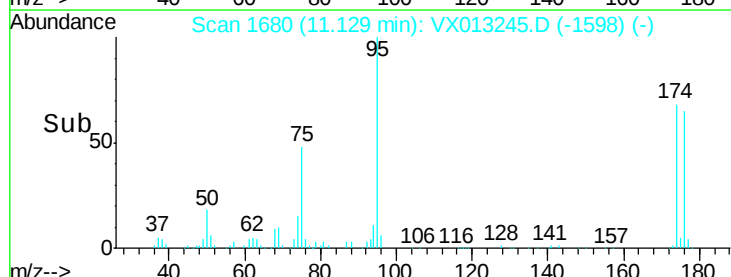
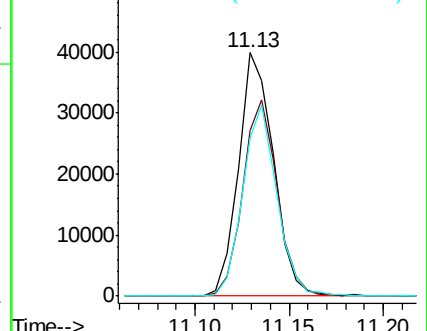
176 76.5 58.5 87.7

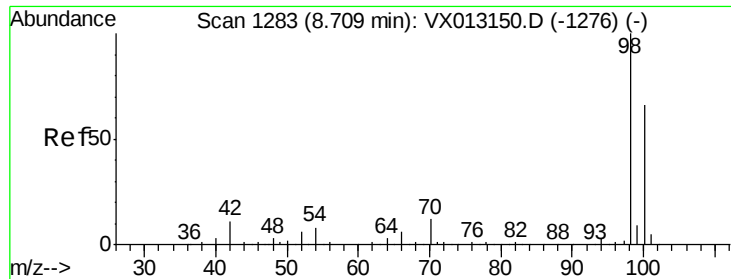


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 30.700 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013245.D

Acq: 28 Oct 2019 14:06

Instrument :

MSVOA\_X

ClientSampleId :

TT-TB-20191025

Tot Ion: 98 Resp: 147910

Ion Ratio Lower Upper

98 100

100 64.7 53.1 79.7

