

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\  
 Data File : VX009472.D  
 Acq On : 10 May 2019 10:44  
 Operator : JC/SP  
 Sample : VX0510WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0510WBL01

Quant Time: May 10 15:15:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 02 06:46:57 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.01  | 128  | 29050    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.85  | 114  | 165699   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 144467   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4   | 6.06   | 65    | 70566    | 29.28    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 50 - 169 | Recovery | =    | 97.60%  |
| 60) 4-Bromofluorobenzene    | 11.13  | 95    | 68065    | 27.73    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 56 - 143 | Recovery | =    | 92.43%  |
| 63) Toluene-d8              | 8.71   | 98    | 205604   | 30.02    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 66 - 137 | Recovery | =    | 100.07% |

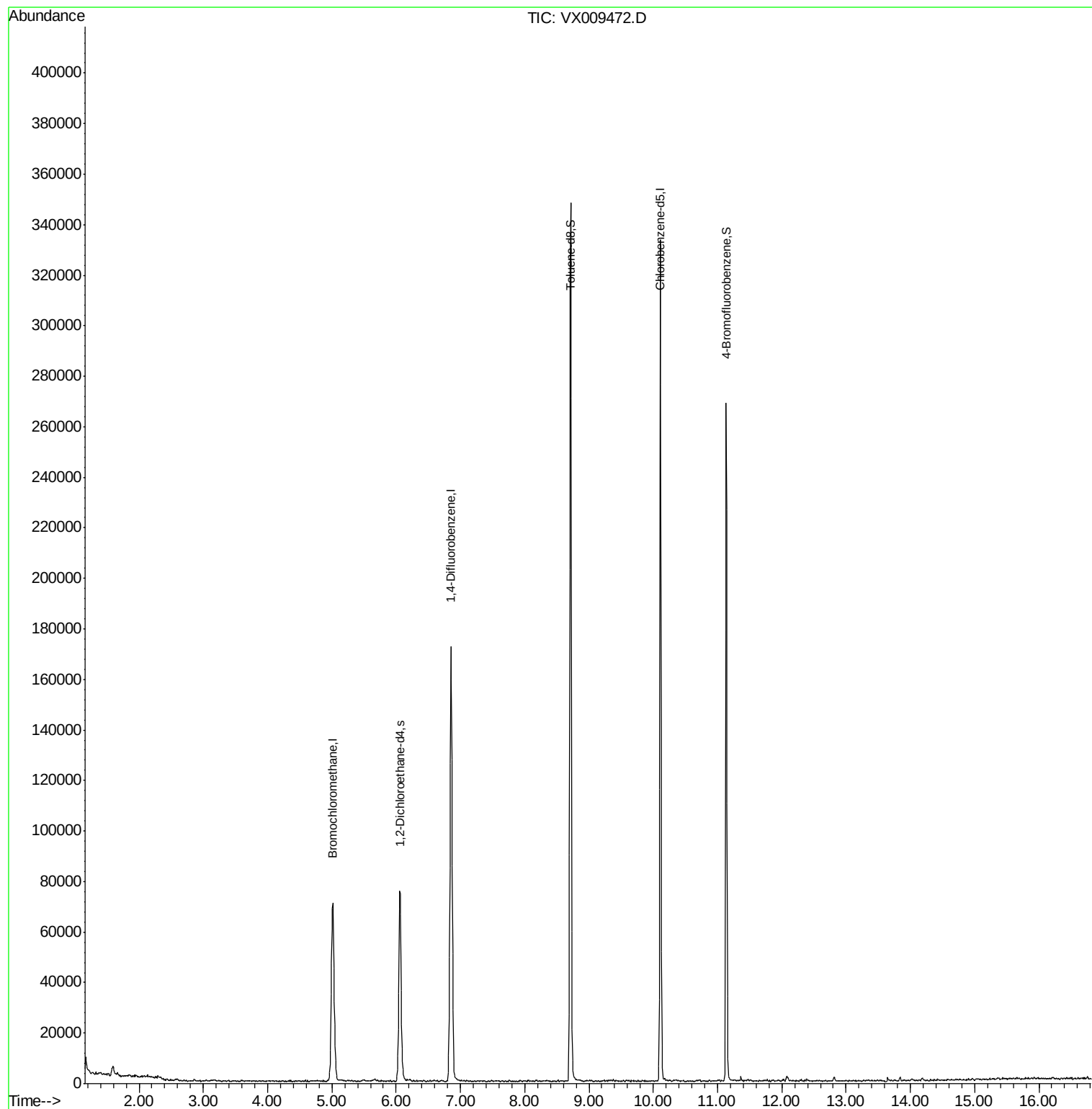
| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

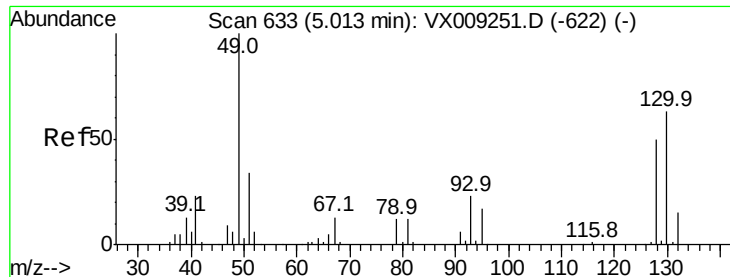
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 10 15:15:00 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Thu May 02 06:46:57 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009472.D

Acq: 10 May 2019 10:44

Instrument :

MSVOA\_X

ClientSampleId :

VX0510WBL01

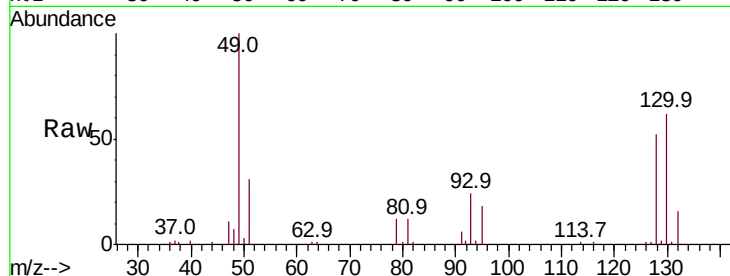
Tot Ion:128 Resp: 29050

Ion Ratio Lower Upper

128 100

49 196.3 0.0 515.0

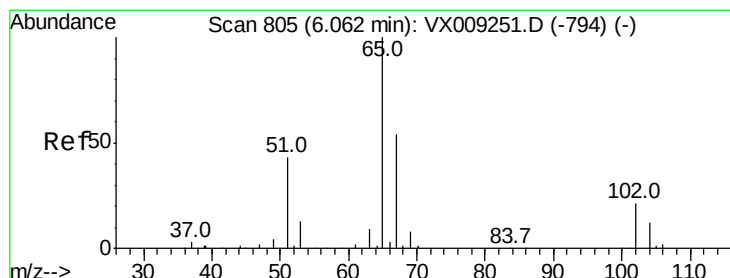
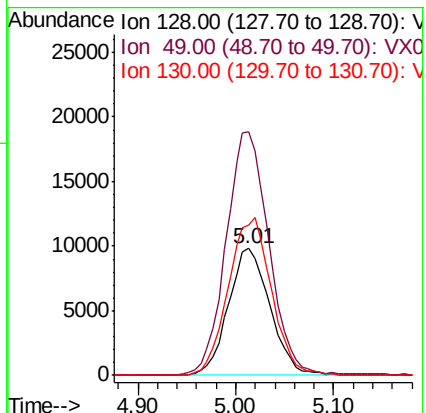
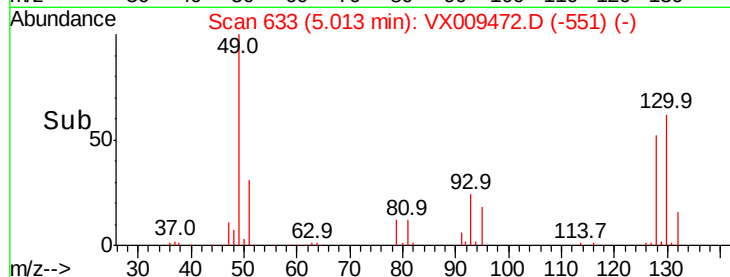
130 128.8 0.0 323.3



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



#27

1,2-Dichloroethane-d4

Concen: 29.283 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009472.D

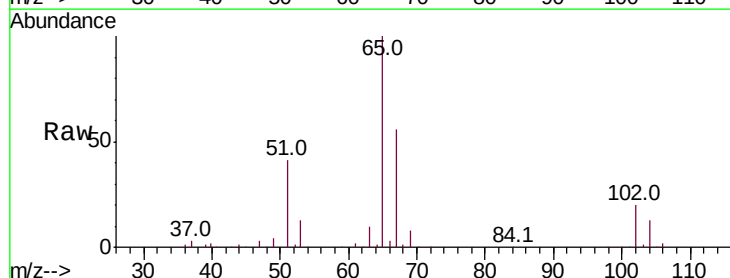
Acq: 10 May 2019 10:44

Tgt Ion: 65 Resp: 70566

Ion Ratio Lower Upper

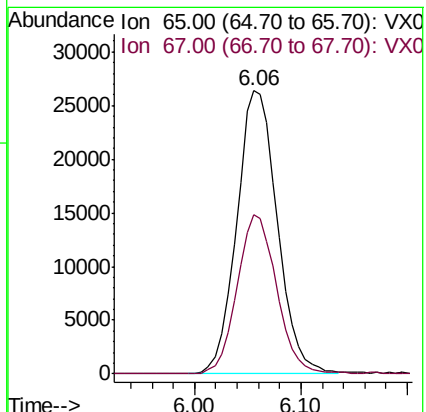
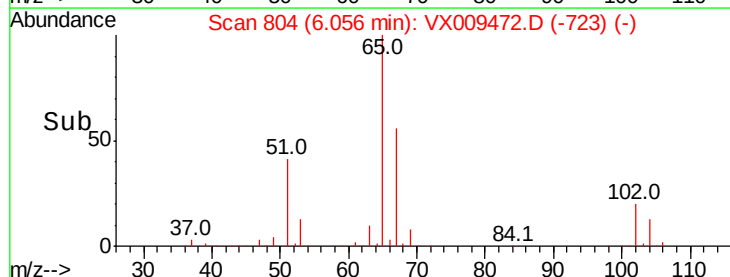
65 100

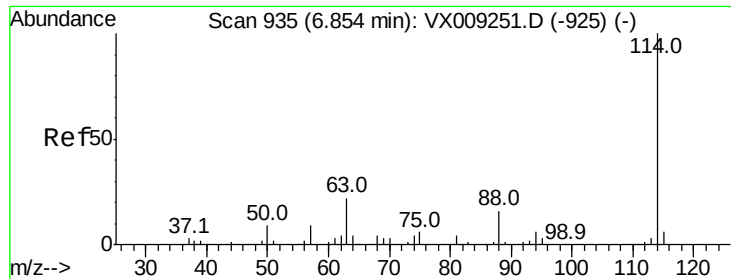
67 54.9 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

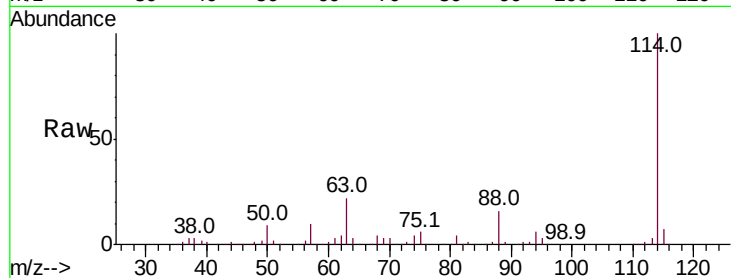




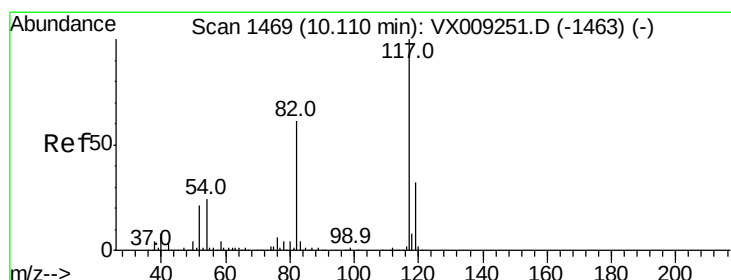
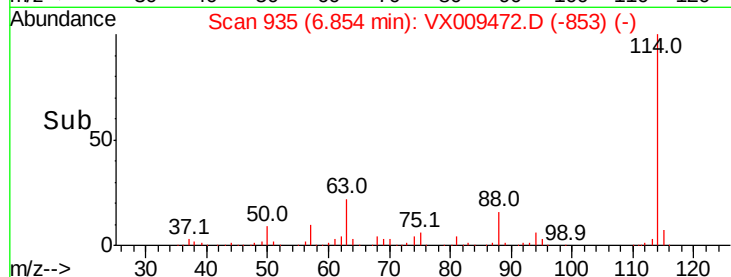
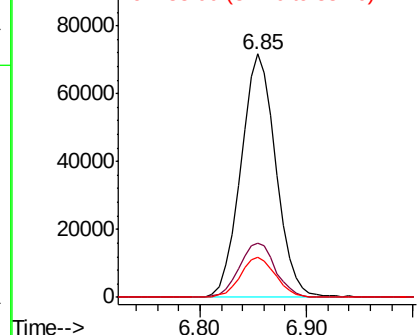
#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VX009472.D  
 Acq: 10 May 2019 10:44

Instrument :  
 MSVOA\_X  
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 VX0510WBL01

Tot Ion:114 Resp: 165699  
 Ion Ratio Lower Upper  
 114 100  
 63 23.1 18.0 27.0  
 88 16.7 13.4 20.0

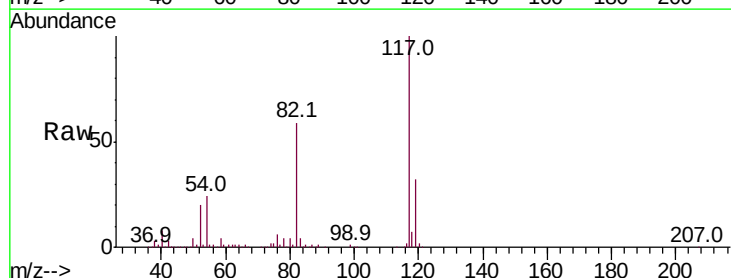


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 88.00 (87.70 to 88.70): VX0

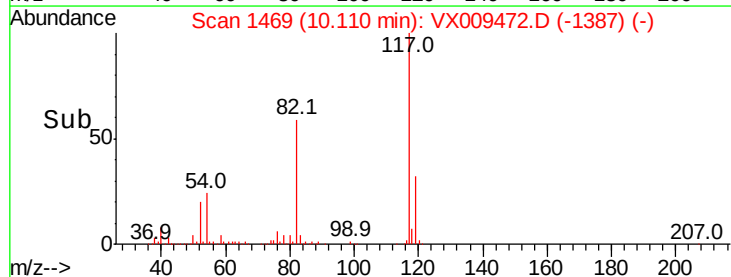
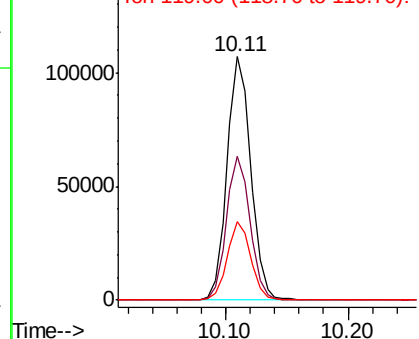


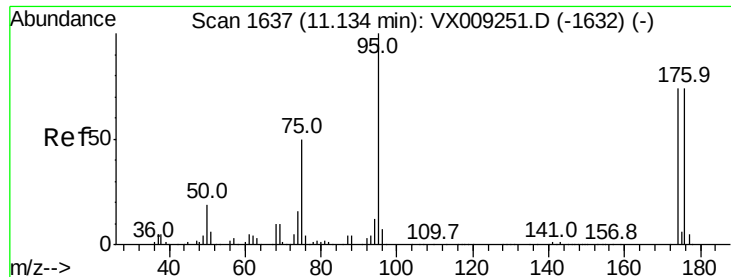
#57  
 Chlorobenzene-d5  
 Concen: 30.000 ug/l  
 RT: 10.11 min Scan# 1469  
 Delta R.T. 0.00 min  
 Lab File: VX009472.D  
 Acq: 10 May 2019 10:44

Tgt Ion:117 Resp: 144467  
 Ion Ratio Lower Upper  
 117 100  
 82 58.7 47.8 71.8  
 119 31.8 25.6 38.4



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

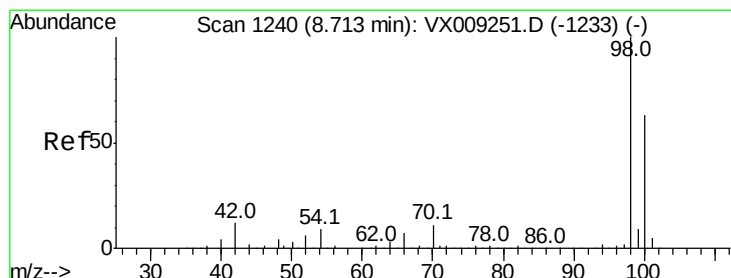
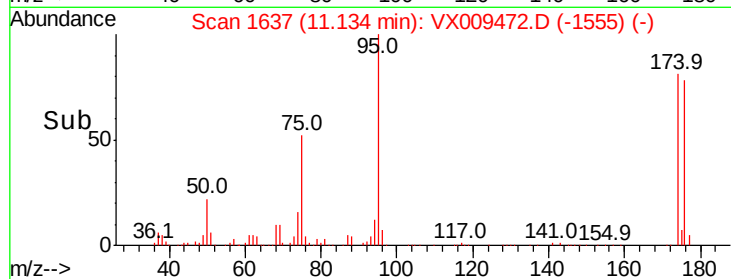
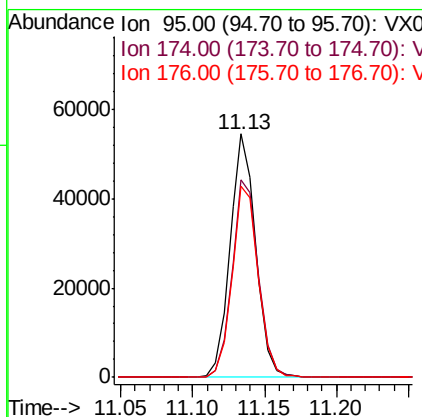
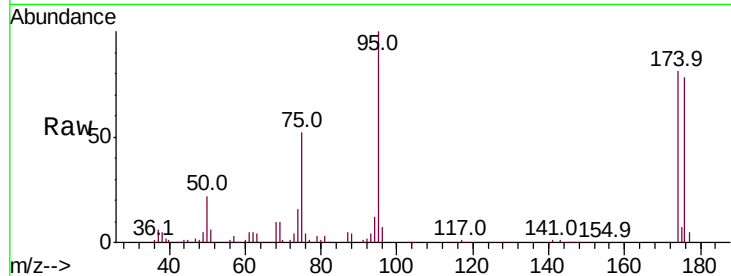




#60  
 4-Bromofluorobenzene  
 Concen: 27.727 ug/l  
 RT: 11.13 min Scan# 1637  
 Delta R.T. 0.00 min  
 Lab File: VX009472.D  
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Instrument :  
 MSVOA\_X  
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 VX0510WBL01

Tot Ion: 95 Resp: 68065  
 Ion Ratio Lower Upper  
 95 100  
 174 82.8 63.6 95.4  
 176 79.6 62.4 93.6



#63  
 Toluene-d8  
 Concen: 30.018 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX009472.D  
 Acq: 10 May 2019 10:44

Tgt Ion: 98 Resp: 205604  
 Ion Ratio Lower Upper  
 98 100  
 100 64.1 52.3 78.5

