

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\  
 Data File : VX007649.D  
 Acq On : 22 Feb 2019 10:21  
 Operator : JC/SP  
 Sample : VX0222WBL02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0222WBL02

Quant Time: Feb 22 13:07:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Feb 13 07:51:18 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.03  | 128  | 72059    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.86  | 114  | 368243   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 325316   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4   | 6.07   | 65    | 142848   | 30.65    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 50 - 169 | Recovery | =    | 102.17% |
| 60) 4-Bromofluorobenzene    | 11.13  | 95    | 136098   | 27.26    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 56 - 143 | Recovery | =    | 90.87%  |
| 63) Toluene-d8              | 8.71   | 98    | 426684   | 29.02    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 66 - 137 | Recovery | =    | 96.73%  |

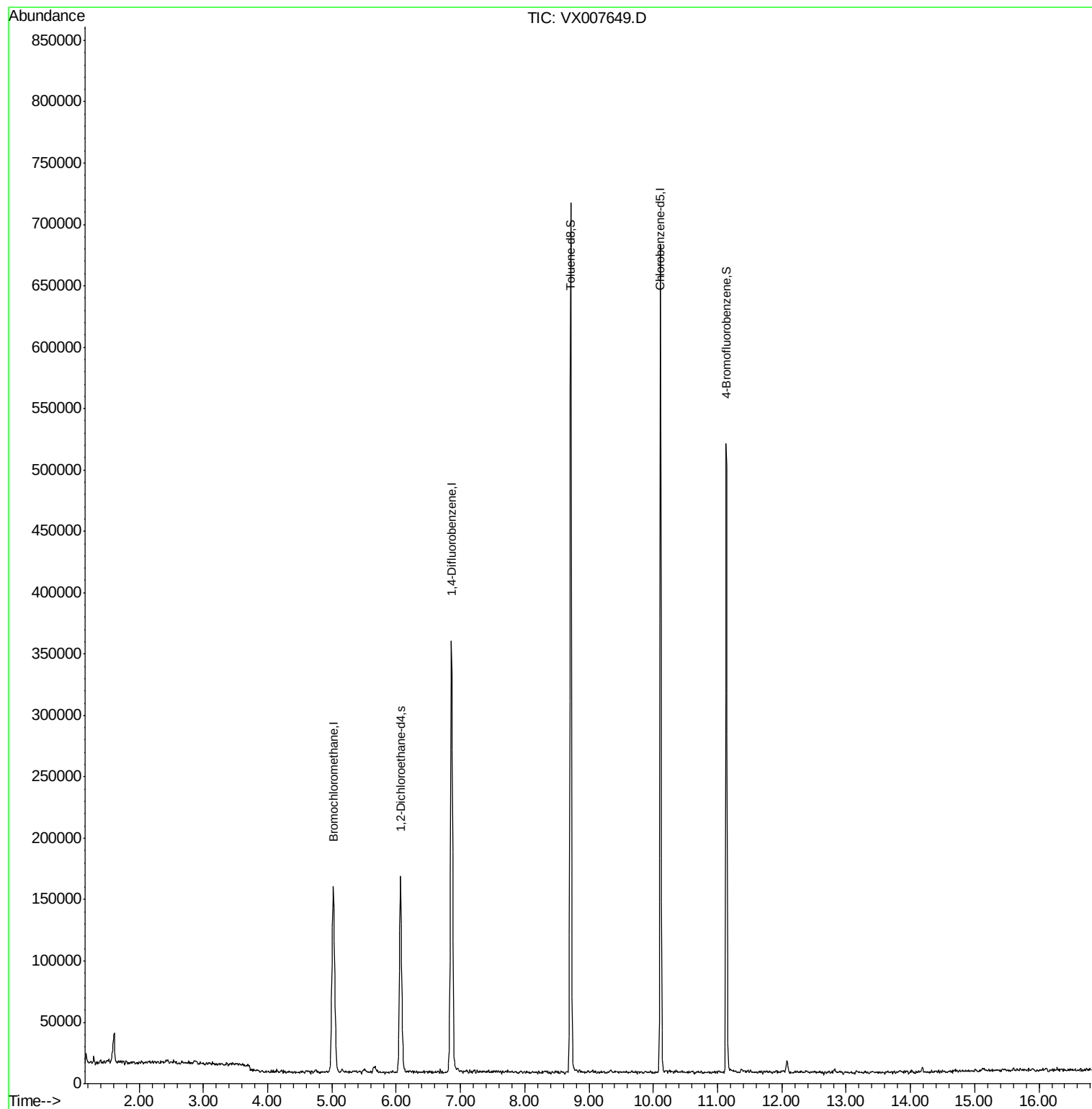
| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

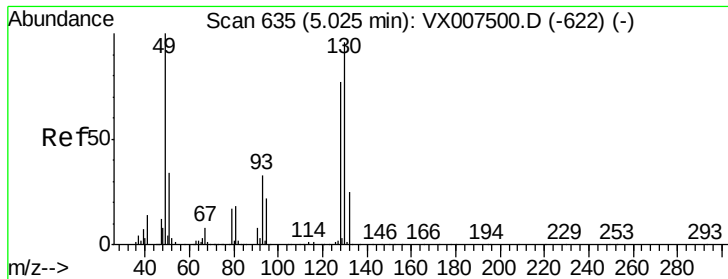
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Feb 13 07:51:18 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. -0.00 min

Lab File: VX007649.D

Acq: 22 Feb 2019 10:21

Instrument :

MSVOA\_X

ClientSampleId :

VX0222WBL02

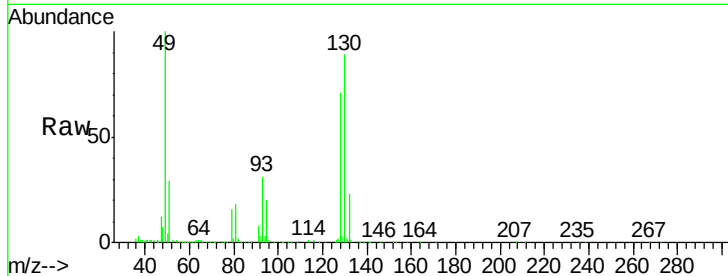
Tot Ion:128 Resp: 72059

Ion Ratio Lower Upper

128 100

49 135.0 0.0 350.8

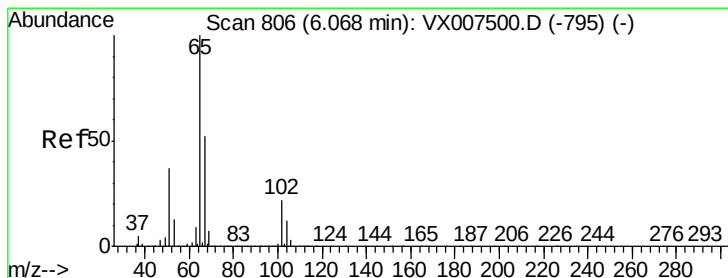
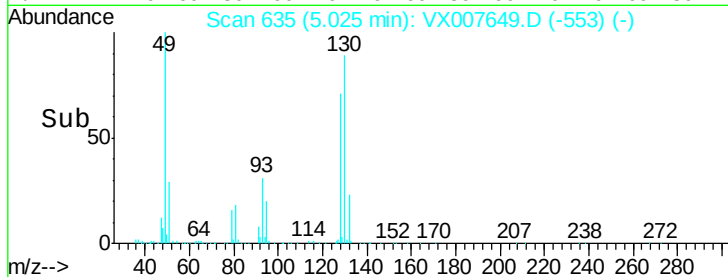
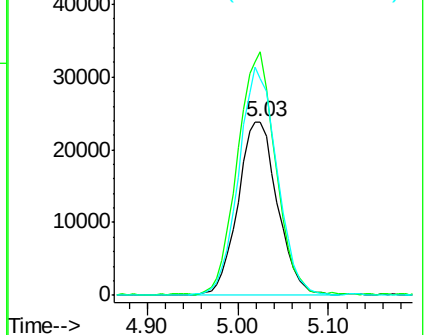
130 127.1 0.0 325.8



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



#27

1,2-Dichloroethane-d4

Concen: 30.645 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007649.D

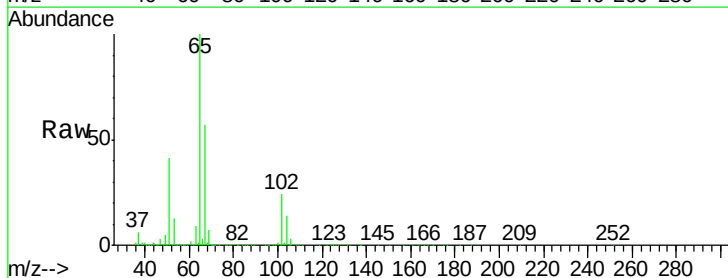
Acq: 22 Feb 2019 10:21

Tgt Ion: 65 Resp: 142848

Ion Ratio Lower Upper

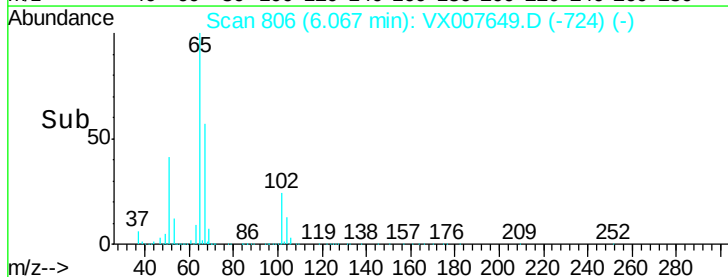
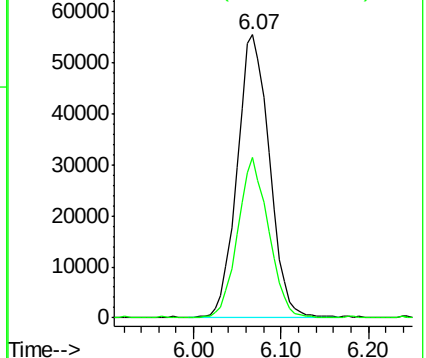
65 100

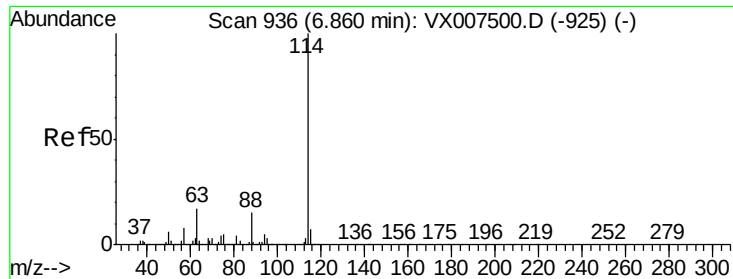
67 54.2 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

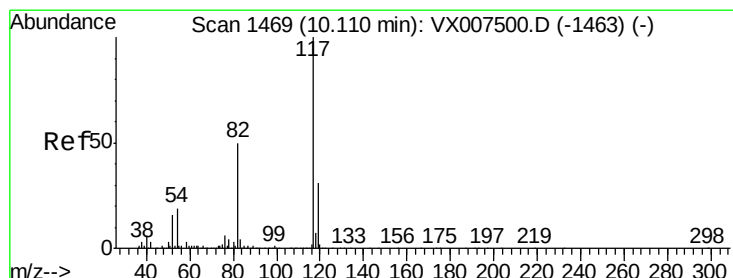
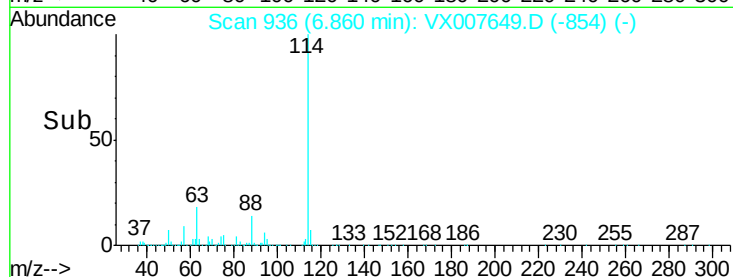
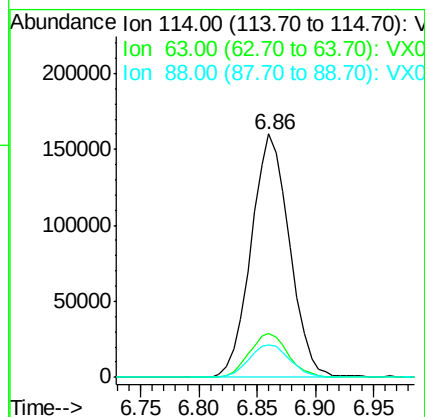
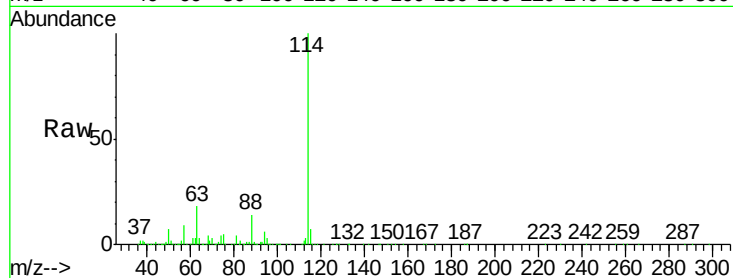




#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX007649.D  
 Acq: 22 Feb 2019 10:21

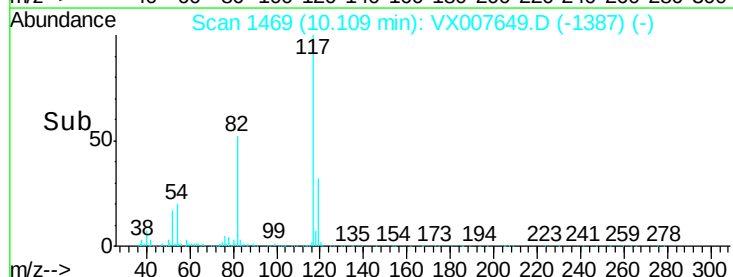
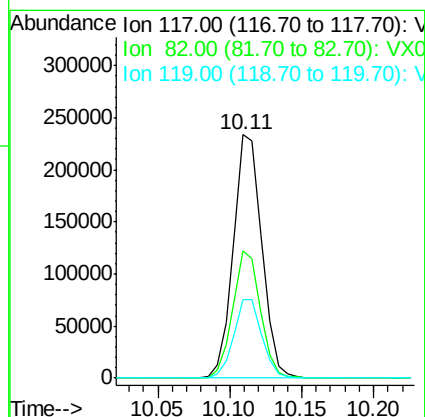
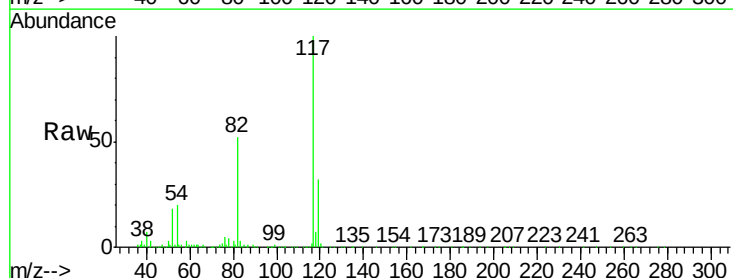
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0222WBL02

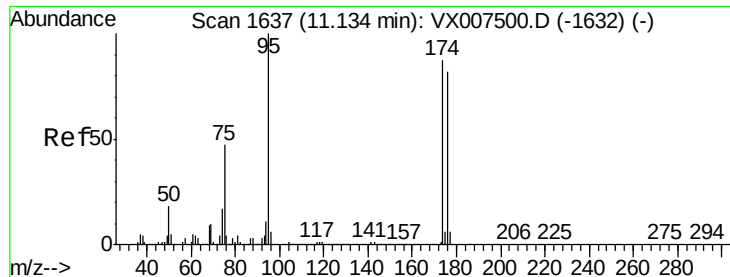
Tot Ion:114 Resp: 368243  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 14.2 21.4  
 88 14.3 11.9 17.9



#57  
 Chlorobenzene-d5  
 Concen: 30.000 ug/l  
 RT: 10.11 min Scan# 1469  
 Delta R.T. -0.00 min  
 Lab File: VX007649.D  
 Acq: 22 Feb 2019 10:21

Tgt Ion:117 Resp: 325316  
 Ion Ratio Lower Upper  
 117 100  
 82 50.6 40.4 60.6  
 119 31.9 25.8 38.6

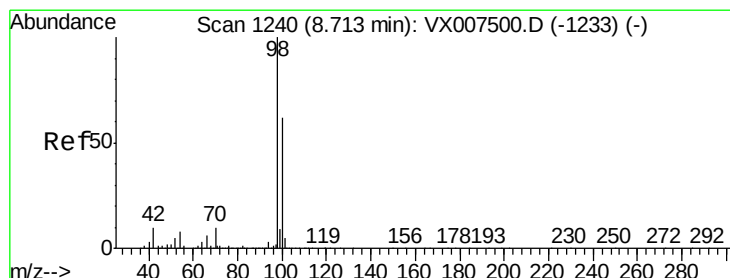
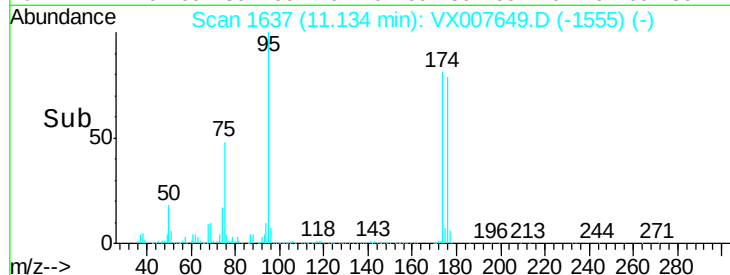
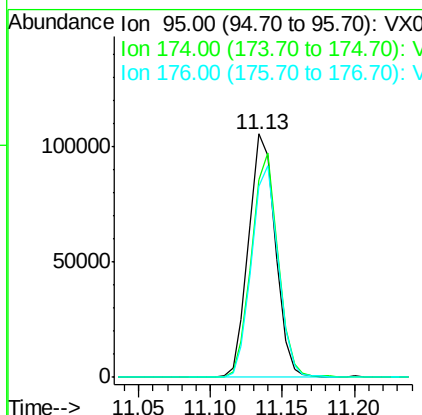
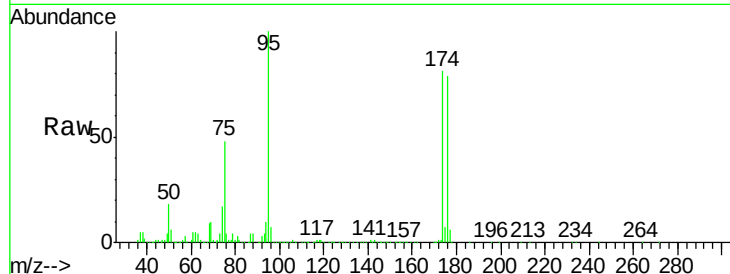




#60  
4-Bromofluorobenzene  
Concen: 27.258 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX007649.D  
Acq: 22 Feb 2019 10:21

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| Tot Ion   | 95    | Resp  | 136098 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 90.8  | 74.9  | 112.3  |
| 176       | 86.1  | 70.7  | 106.1  |



#63  
Toluene-d8  
Concen: 29.019 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX007649.D  
Acq: 22 Feb 2019 10:21

| Tgt Ion   | 98    | Resp  | 426684 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 64.6  | 50.9  | 76.3   |

