

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL092718\  
 Data File : VL032550.D  
 Acq On : 27 Sep 2018 15:10  
 Operator : SY/AP  
 Sample : VL0927ABL01  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0927ABL01

Quant Time: Sep 28 02:25:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL092418AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Tue Sep 25 05:17:15 2018  
 QLast Update : Tue Sep 25 05:17:15 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.79  | 49   | 1361994  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.32  | 114  | 3052050  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.27 | 117  | 3163978  | 10.00 | ppbv  | -0.02    |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.61  | 95    | 2308915  | 9.68     | ppbv | -0.03  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.80% |

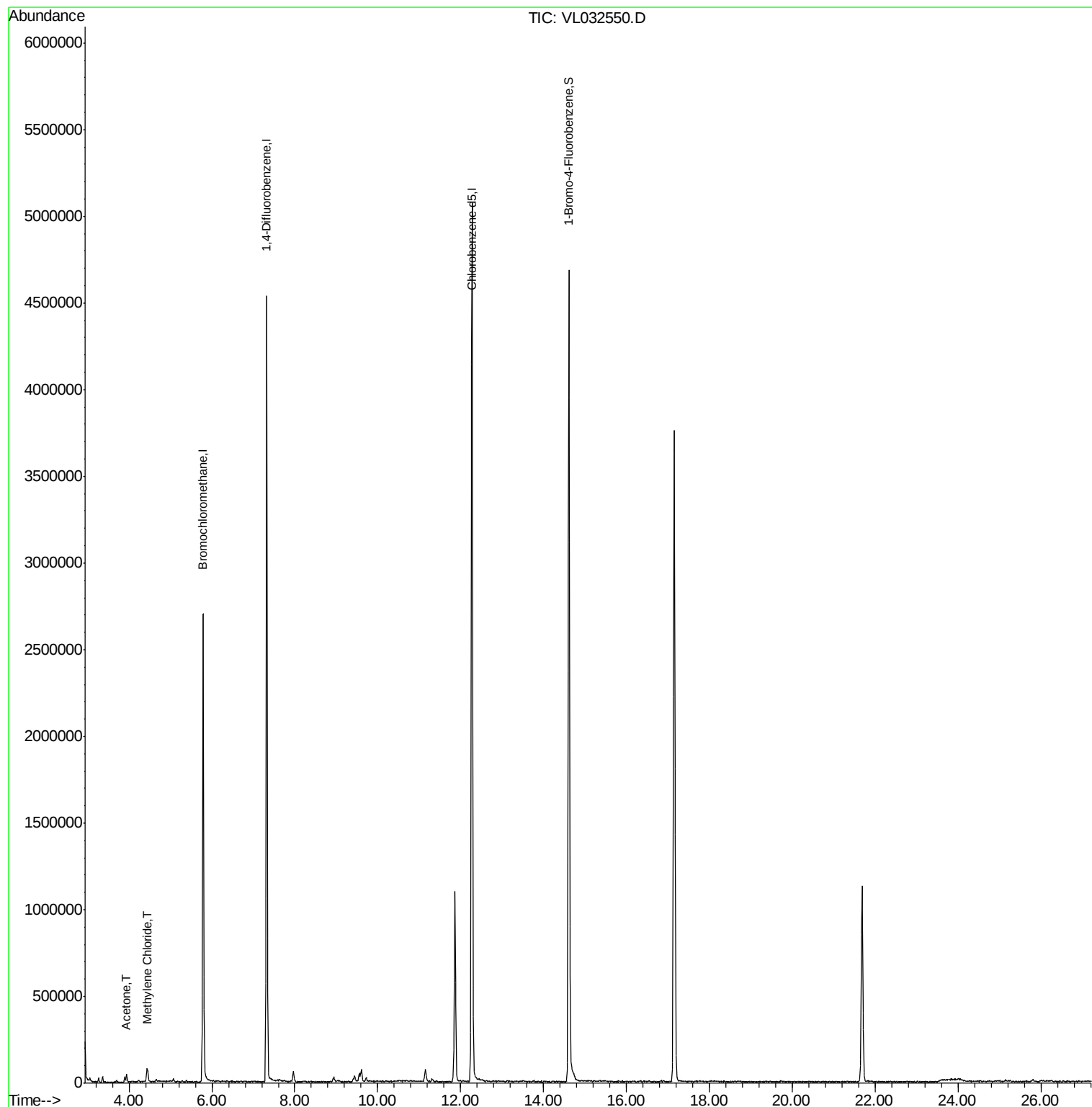
| Target Compounds       |      |    |       |              | Qvalue |
|------------------------|------|----|-------|--------------|--------|
| 15) Acetone            | 3.94 | 43 | 51068 | 0.427 ppbv   | 96     |
| 20) Methylene Chloride | 4.44 | 84 | 19794 | 0.342 ppbv # | 76     |

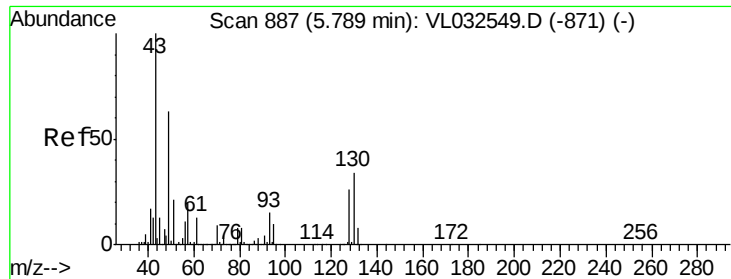
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 25 05:17:15 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032550.D

Acq: 27 Sep 2018 15:10

Instrument :

MSVOA\_L

ClientSampleId :

VL0927ABL01

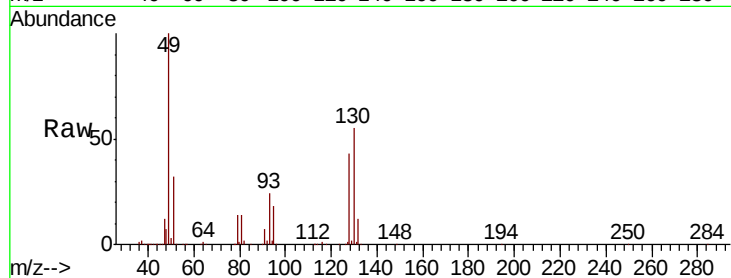
Tgt Ion: 49 Resp: 1361994

Ion Ratio Lower Upper

49 100

128 43.9 20.7 62.1

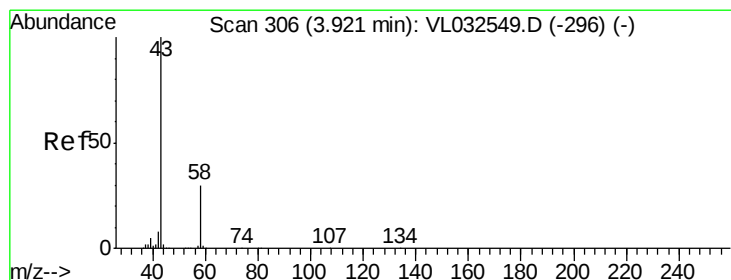
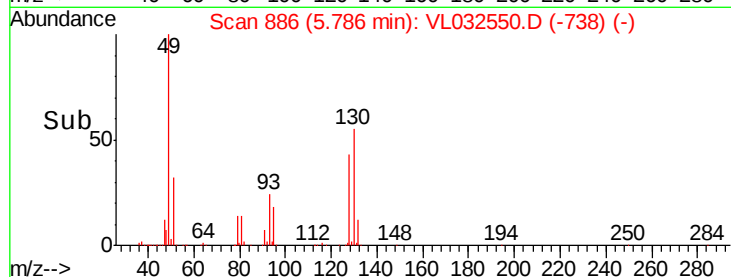
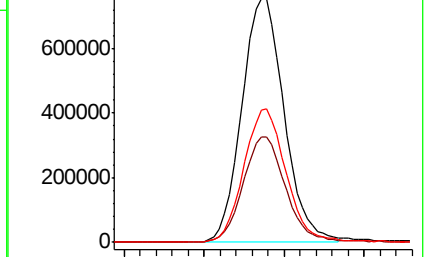
130 55.2 26.6 79.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#15

Acetone

Concen: 0.427 ppbv

RT: 3.94 min Scan# 311

Delta R.T. -0.00 min

Lab File: VL032550.D

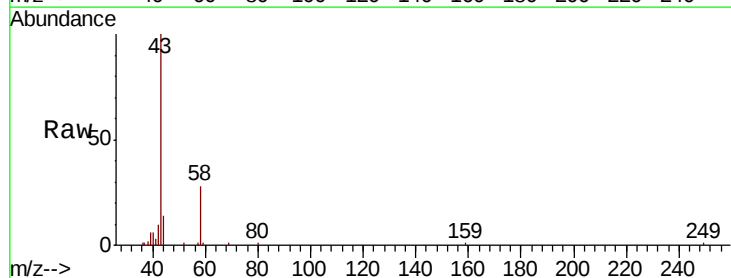
Acq: 27 Sep 2018 15:10

Tgt Ion: 43 Resp: 51068

Ion Ratio Lower Upper

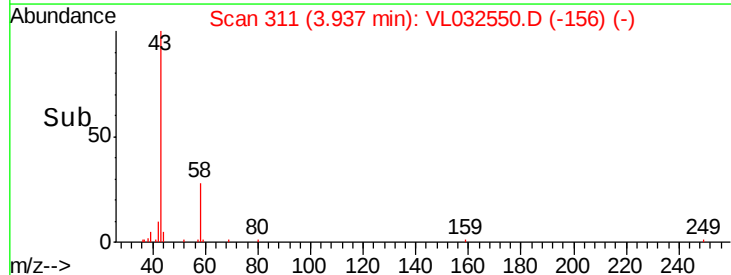
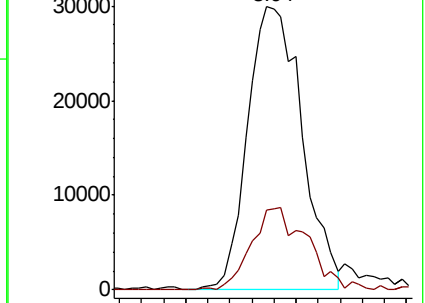
43 100

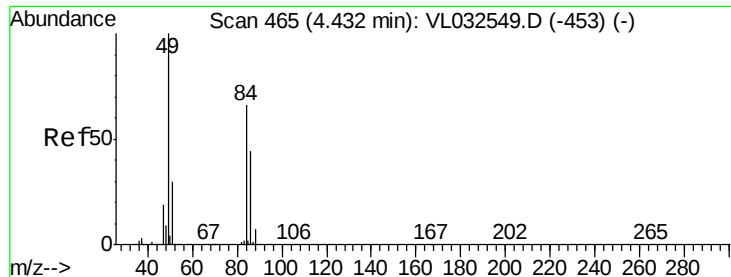
58 30.1 22.6 33.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

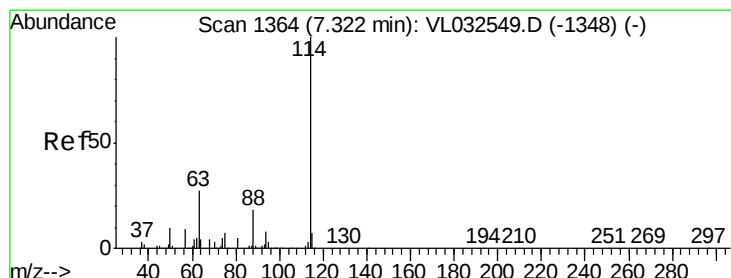
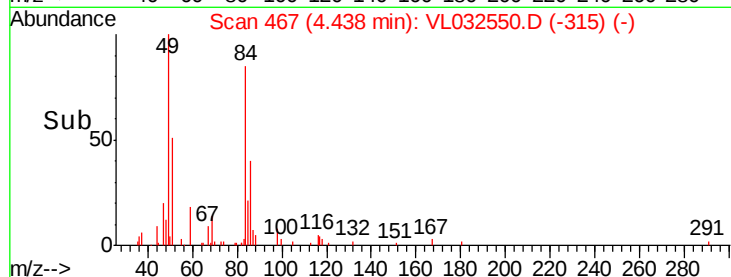
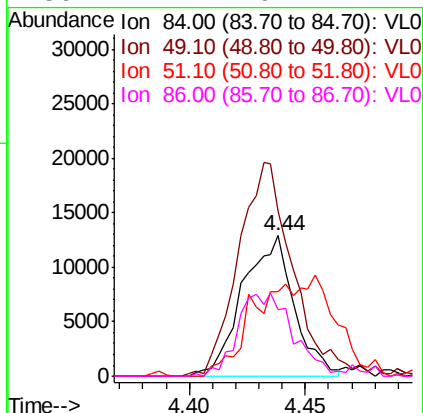
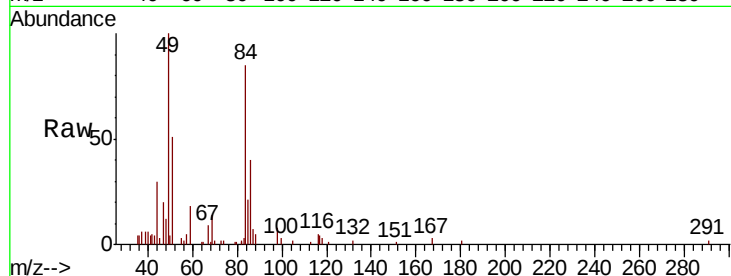




#20  
Methylene Chloride  
Concen: 0.342 ppbv  
RT: 4.44 min Scan# 467  
Delta R.T. -0.01 min  
Lab File: VL032550.D  
Acq: 27 Sep 2018 15:10

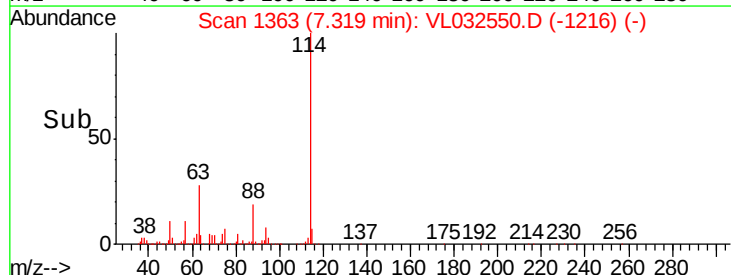
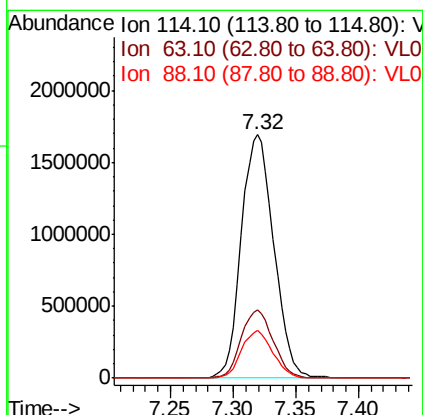
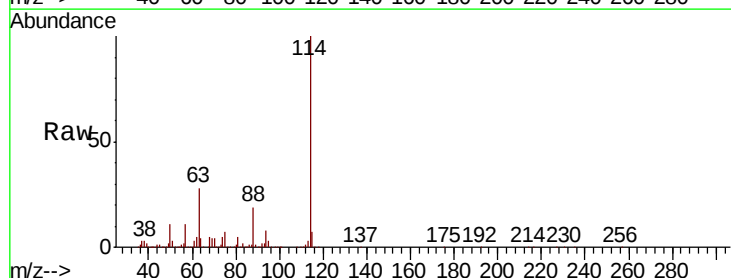
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0927ABL01

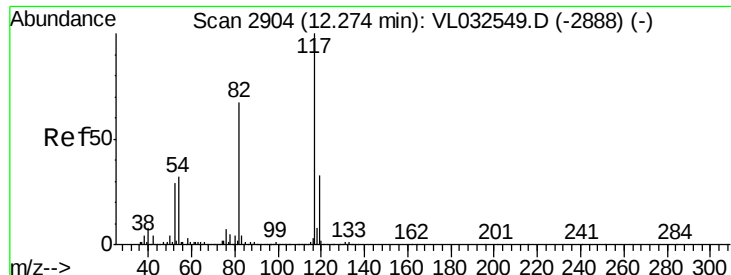
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 19794  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 116.1 | 119.1 | 178.7# |
| 51       | 60.4  | 35.2  | 52.8#  |
| 86       | 47.4  | 49.4  | 74.2#  |



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.32 min Scan# 1363  
Delta R.T. -0.03 min  
Lab File: VL032550.D  
Acq: 27 Sep 2018 15:10

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 114   | Resp: | 3052050 |
| Ion      | Ratio | Lower | Upper   |
| 114      | 100   |       |         |
| 63       | 27.6  | 22.2  | 33.4    |
| 88       | 18.9  | 15.0  | 22.4    |

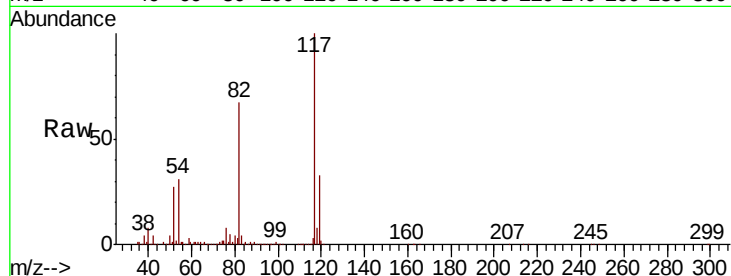




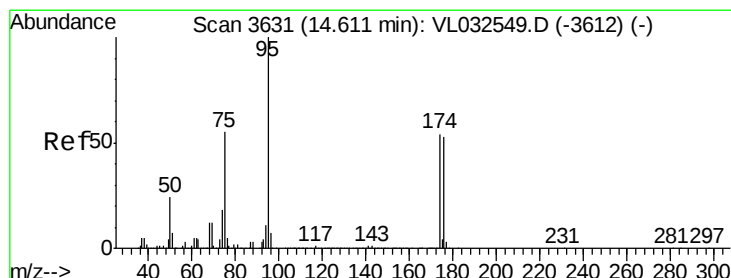
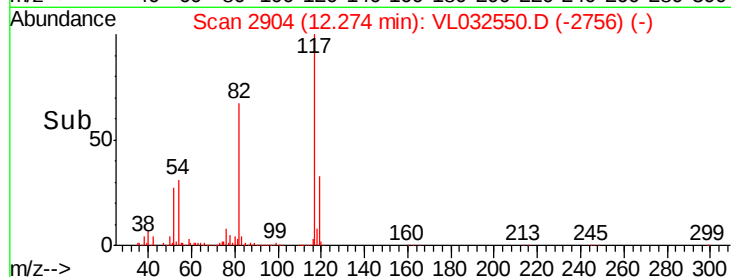
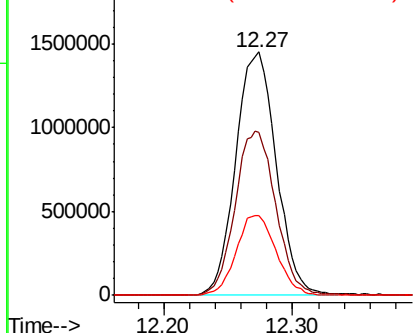
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.27 min Scan# 2904  
Delta R.T. -0.02 min  
Lab File: VL032550.D  
Acq: 27 Sep 2018 15:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0927ABL01

Tgt Ion: 117 Resp: 3163978  
Ion Ratio Lower Upper  
117 100  
82 68.2 53.0 79.6  
119 32.8 45.9 68.9#

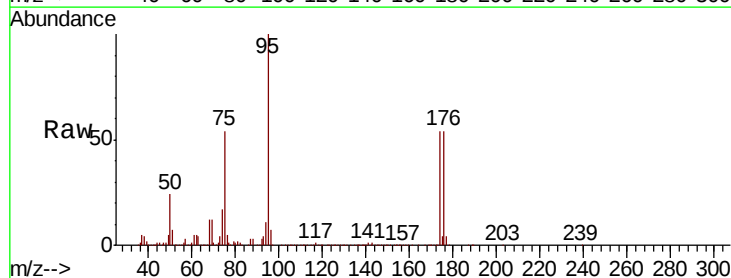


Abundance Ion 117.10 (116.80 to 117.80): V  
2000000 Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.677 ppbv  
RT: 14.61 min Scan# 3630  
Delta R.T. -0.03 min  
Lab File: VL032550.D  
Acq: 27 Sep 2018 15:10

Tgt Ion: 95 Resp: 2308915  
Ion Ratio Lower Upper  
95 100  
174 58.0 46.3 69.5  
175 4.2 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0  
Ion 174.00 (173.70 to 174.70): V  
Ion 175.00 (174.70 to 175.70): V

