

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\  
 Data File : VL032975.D  
 Acq On : 12 Dec 2018 4:25  
 Operator : SY/AP  
 Sample : J6262-04DL2 800X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV2DL2

Quant Time: Dec 12 06:29:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Dec 07 09:35:17 2018  
 QLast Update : Fri Dec 07 09:35:17 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.77  | 49   | 1038424  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 2627133  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.25 | 117  | 2453391  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.58  | 95    | 1807468  | 9.97     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.70% |

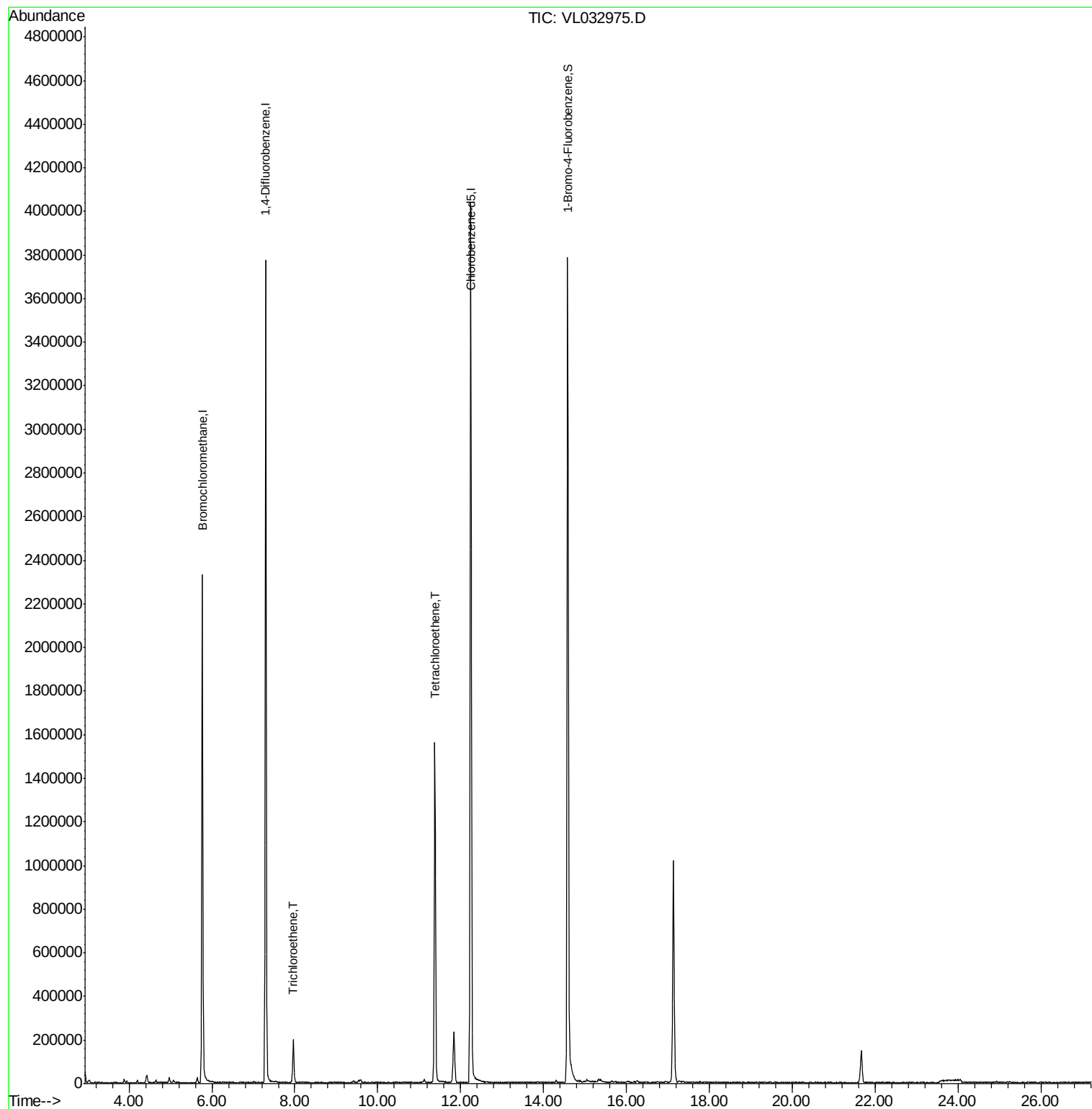
| Target Compounds      |       |     |        |            | Ovalue |
|-----------------------|-------|-----|--------|------------|--------|
| 38) Trichloroethene   | 7.96  | 130 | 57460  | 0.715 ppbv | 94     |
| 52) Tetrachloroethene | 11.38 | 164 | 355939 | 5.064 ppbv | 95     |

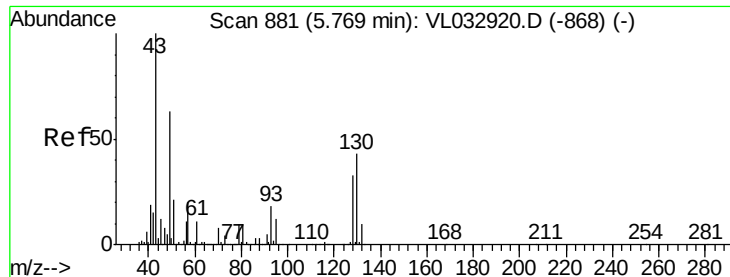
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121118\  
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QLast Update : Fri Dec 07 09:35:17 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL032975.D

Acq: 12 Dec 2018 4:25

Instrument :

MSVOA\_L

ClientSampleId :

SV2DL2

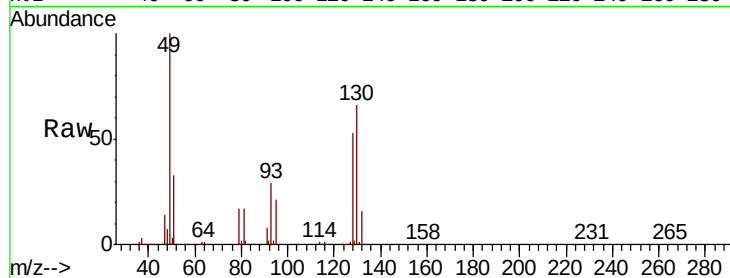
Tot Ion: 49 Resp: 1038424

Ion Ratio Lower Upper

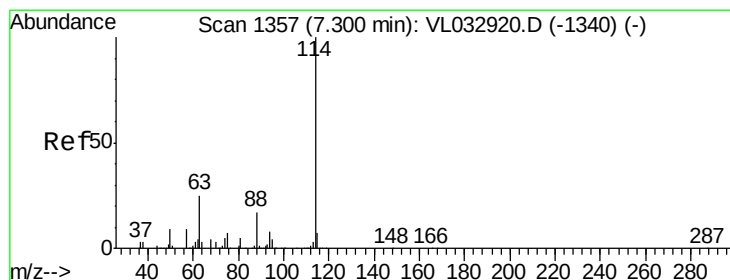
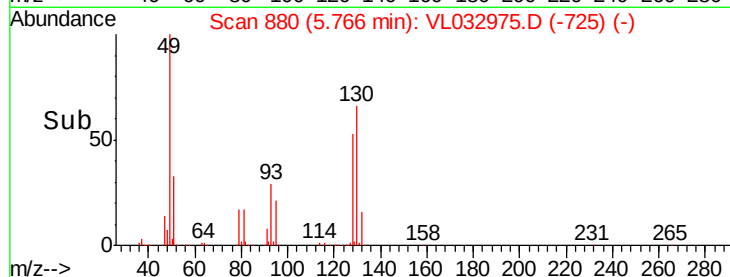
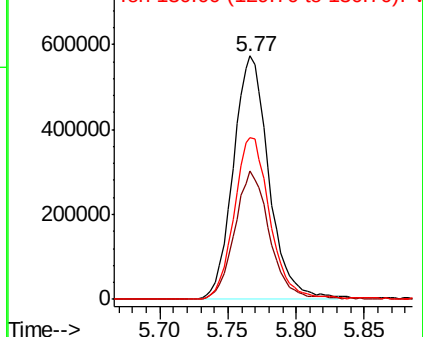
49 100

128 52.5 26.3 78.8

130 67.7 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0  
Ion 128.00 (127.70 to 128.70): V  
Ion 130.00 (129.70 to 130.70): V



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL032975.D

Acq: 12 Dec 2018 4:25

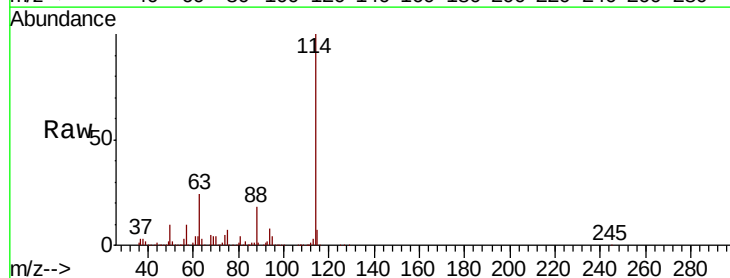
Tgt Ion: 114 Resp: 2627133

Ion Ratio Lower Upper

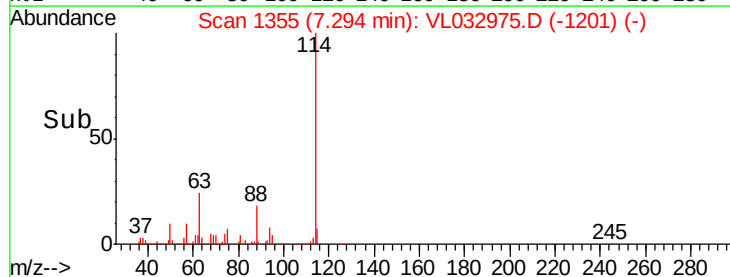
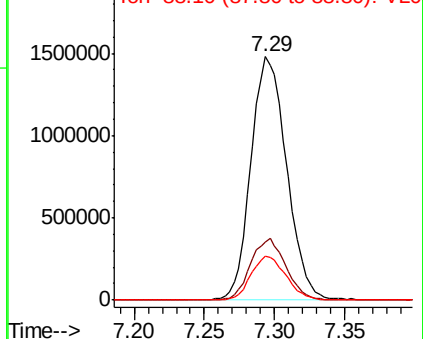
114 100

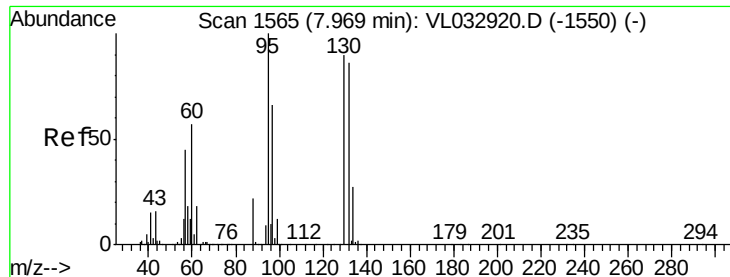
63 25.0 20.1 30.1

88 17.8 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V  
Ion 63.10 (62.80 to 63.80): VL0  
Ion 88.10 (87.80 to 88.80): VL0





#38

Trichloroethene

Concen: 0.715 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VL032975.D

Acq: 12 Dec 2018 4:25

Instrument :

MSVOA\_L

ClientSampled :

SV2DL2

Tot Ion:130 Resp: 57460

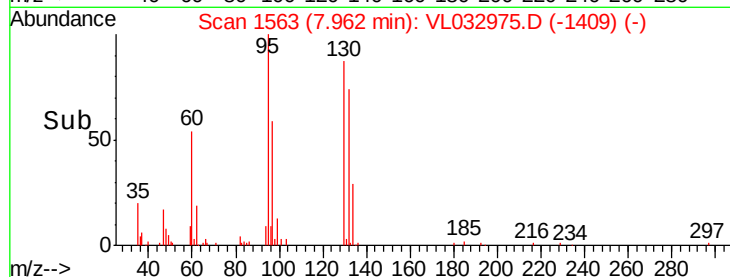
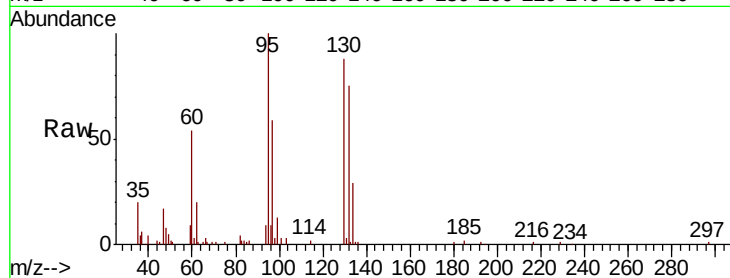
Ion Ratio Lower Upper

130 100

95 112.0 88.6 132.8

132 84.9 76.1 114.1

97 66.7 58.0 87.0



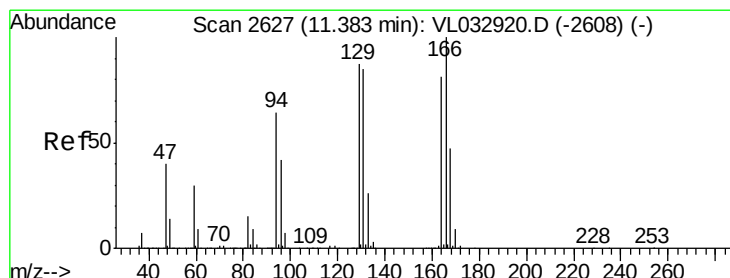
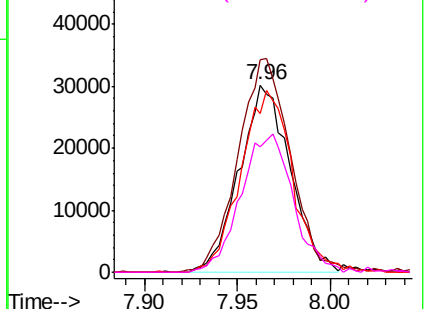
Abundance

Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): V



#52

Tetrachloroethene

Concen: 5.064 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. -0.01 min

Lab File: VL032975.D

Acq: 12 Dec 2018 4:25

Tgt Ion:164 Resp: 355939

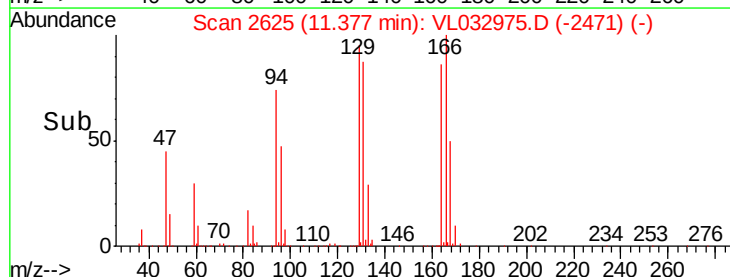
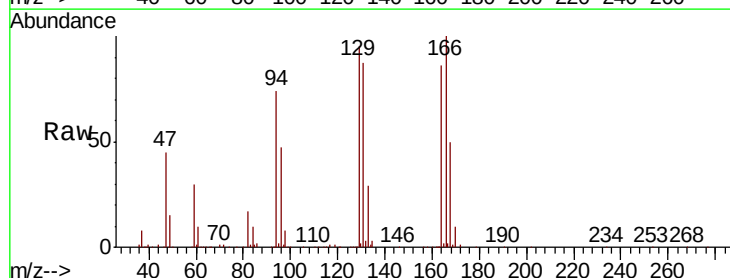
Ion Ratio Lower Upper

164 100

166 115.2 98.8 148.2

129 109.1 85.5 128.3

131 100.0 84.4 126.6



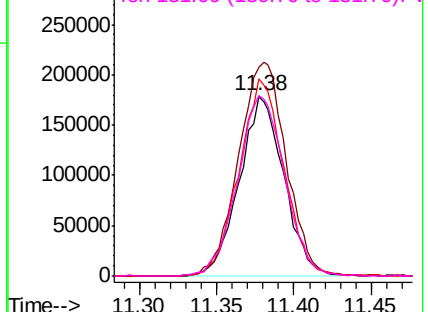
Abundance

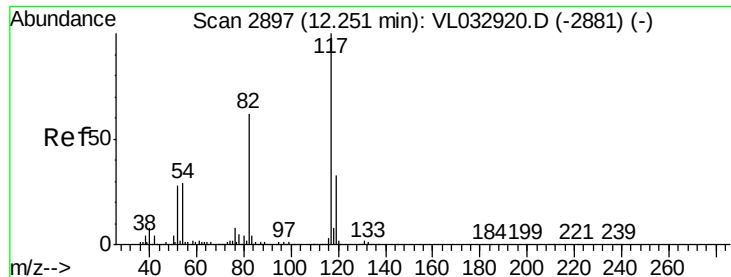
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

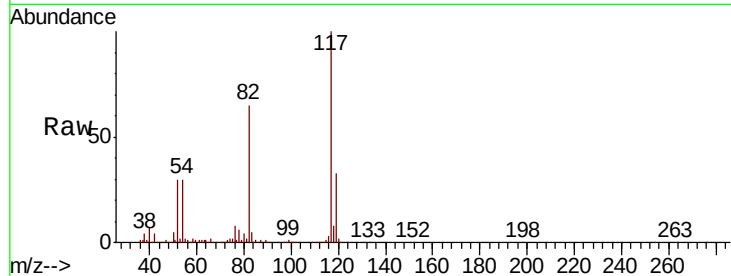




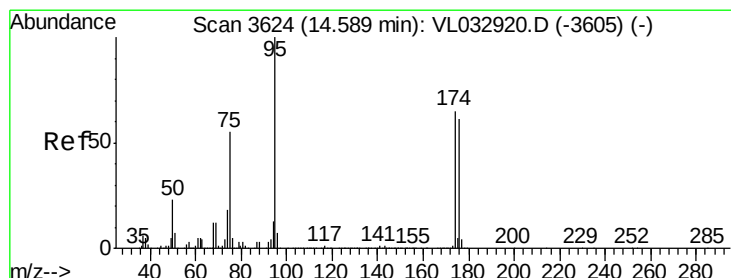
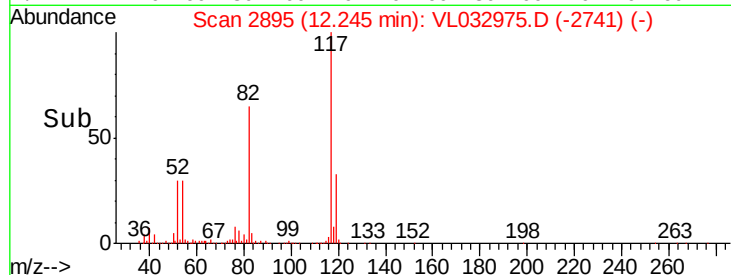
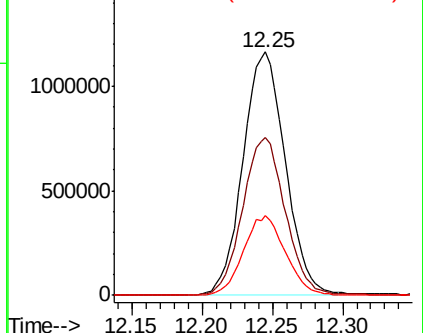
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.25 min Scan# 2895  
Delta R.T. -0.01 min  
Lab File: VL032975.D  
Acq: 12 Dec 2018 4:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV2DL2

Tot Ion:117 Resp: 2453391  
Ion Ratio Lower Upper  
117 100  
82 65.9 47.8 71.8  
119 32.8 43.1 64.7#

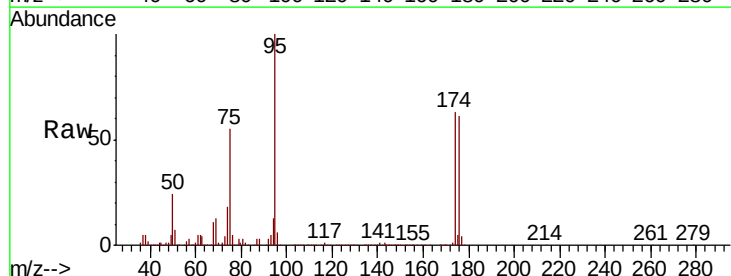


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.972 ppbv  
RT: 14.58 min Scan# 3622  
Delta R.T. -0.01 min  
Lab File: VL032975.D  
Acq: 12 Dec 2018 4:25

Tgt Ion: 95 Resp: 1807468  
Ion Ratio Lower Upper  
95 100  
174 65.1 51.4 77.0  
175 4.7 3.8 5.6



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

