

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050720\  
 Data File : VL034964.D  
 Acq On : 7 May 2020 12:26  
 Operator : SY/AP  
 Sample : VL0507ABL01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0507ABL01

Quant Time: May 08 03:25:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed May 06 14:49:39 2020  
 QLast Update : Wed May 06 14:49:39 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1092563  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 2469687  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.12 | 117  | 2307744  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.46  | 95    | 1920619  | 10.28    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.80% |

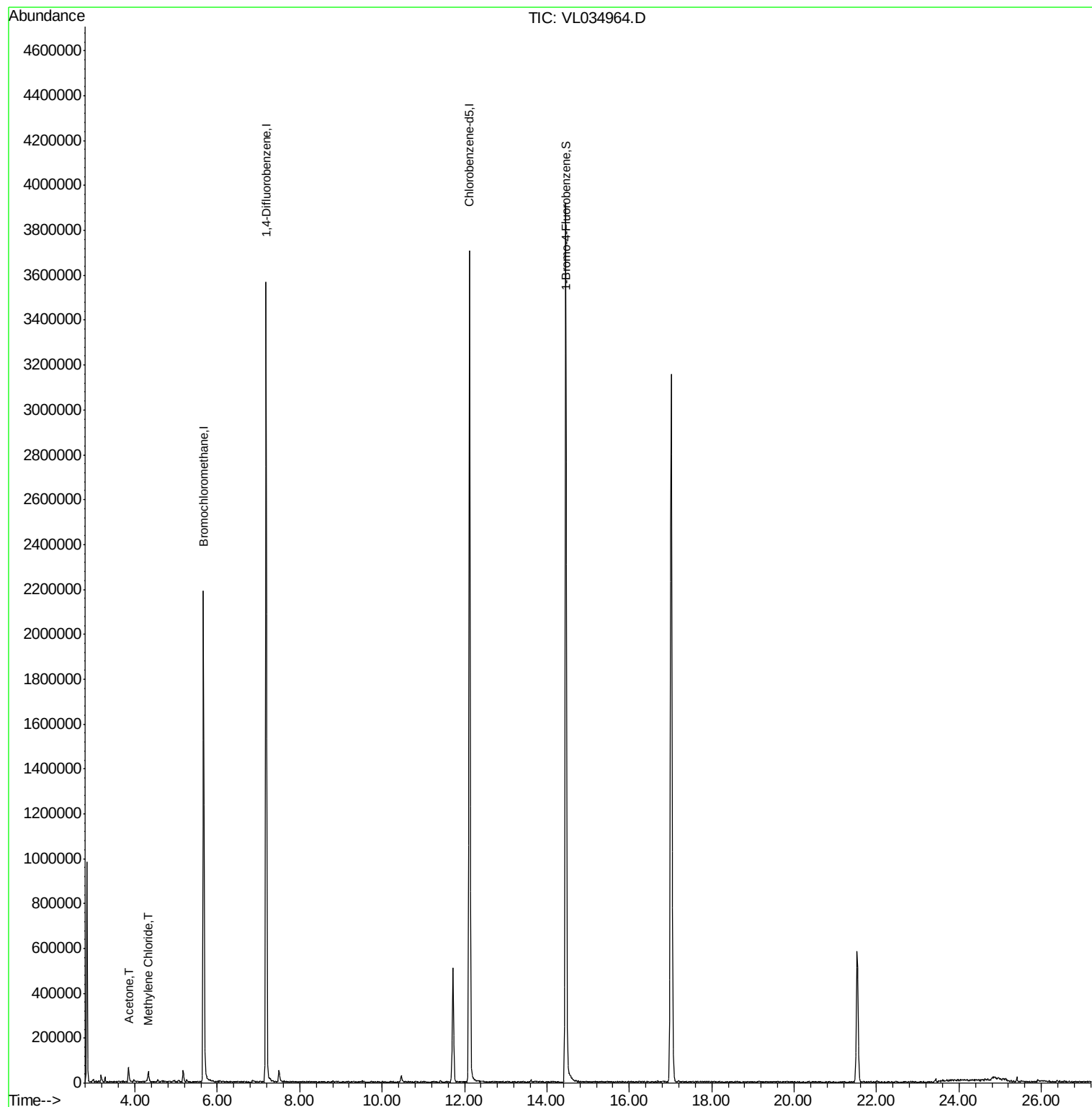
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Ovalue |
|------------------------|------|------|----------|-------|-------|--------|
| 15) Acetone            | 3.84 | 43   | 55481    | 0.384 | ppbv  | # 71   |
| 20) Methylene Chloride | 4.32 | 84   | 13933    | 0.291 | ppbv  | 84     |

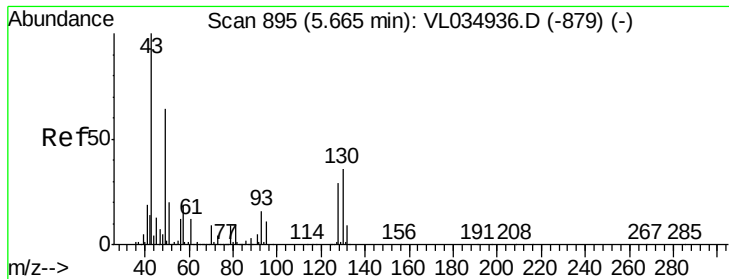
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 14:49:39 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL034964.D

Acq: 7 May 2020 12:26

Instrument :

MSVOA\_L

ClientSampleId :

VL0507ABL01

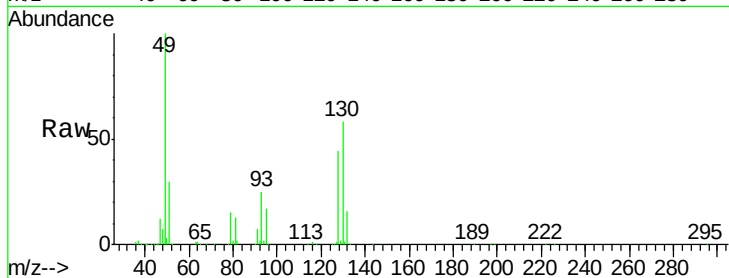
Tot Ion: 49 Resp: 1092563

Ion Ratio Lower Upper

49 100

128 45.1 22.1 66.5

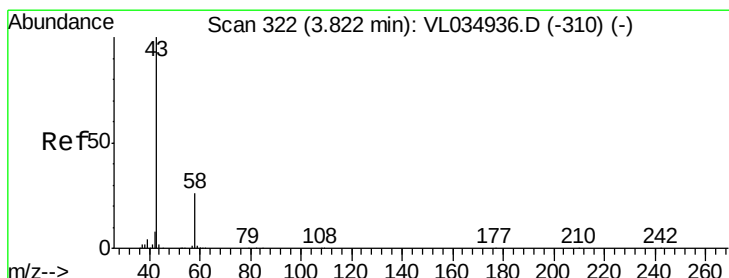
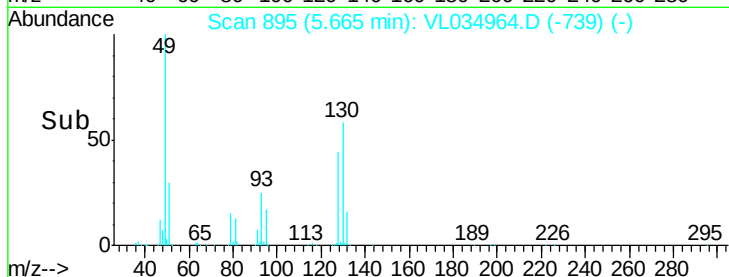
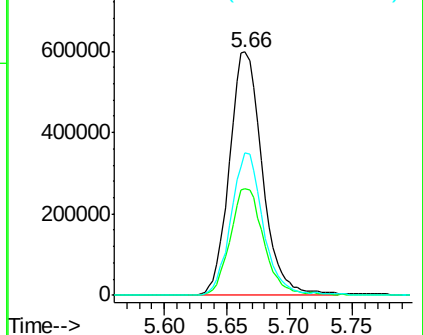
130 57.6 29.1 87.3



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: 0.384 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034964.D

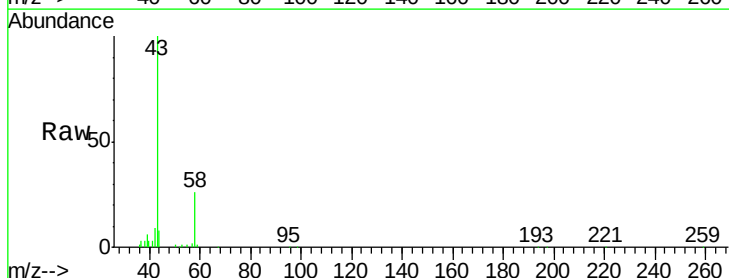
Acq: 7 May 2020 12:26

Tgt Ion: 43 Resp: 55481

Ion Ratio Lower Upper

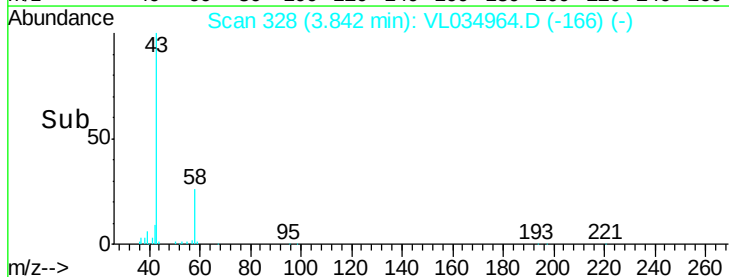
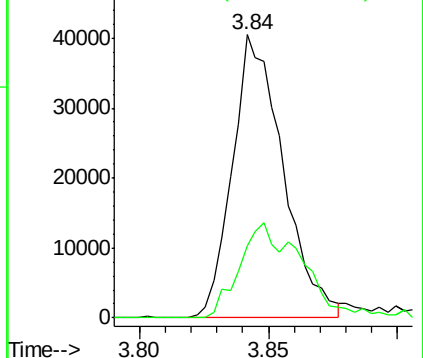
43 100

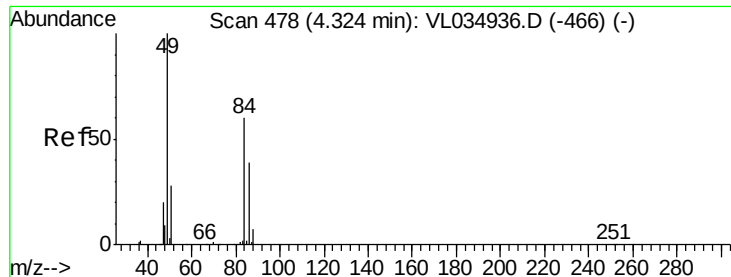
58 42.2 21.7 32.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

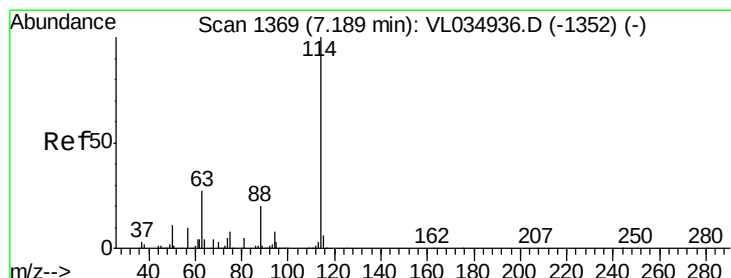
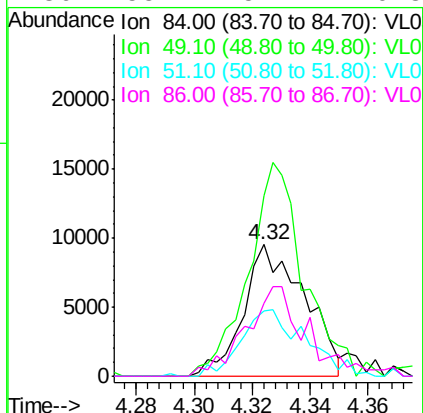
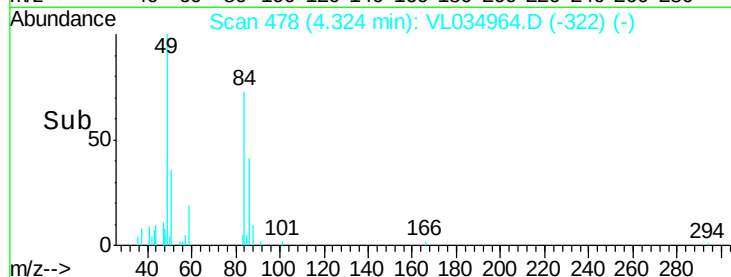
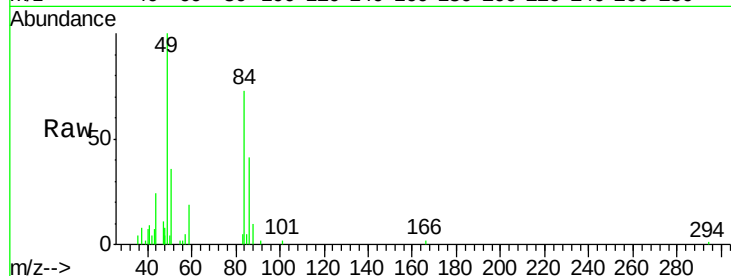




#20  
Methylene Chloride  
Concen: 0.291 ppbv  
RT: 4.32 min Scan# 478  
Delta R.T. 0.00 min  
Lab File: VL034964.D  
Acq: 7 May 2020 12:26

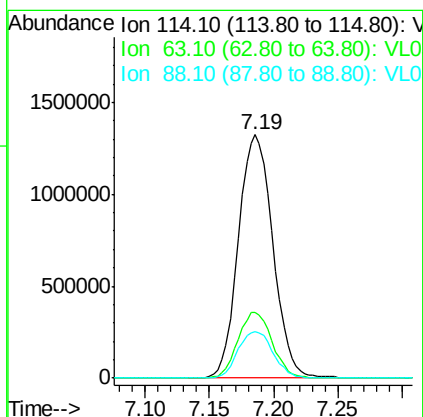
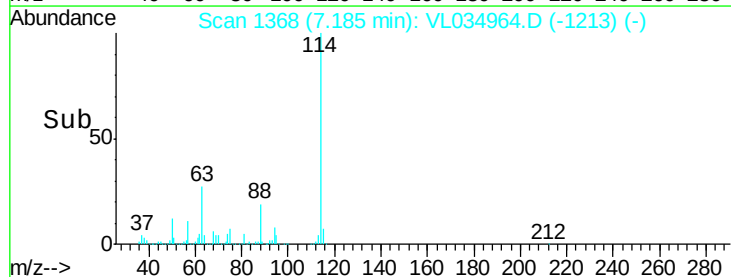
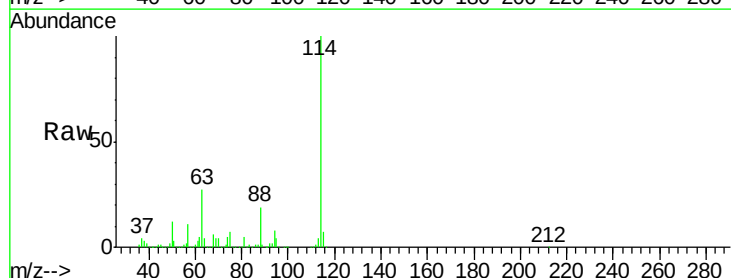
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0507ABL01

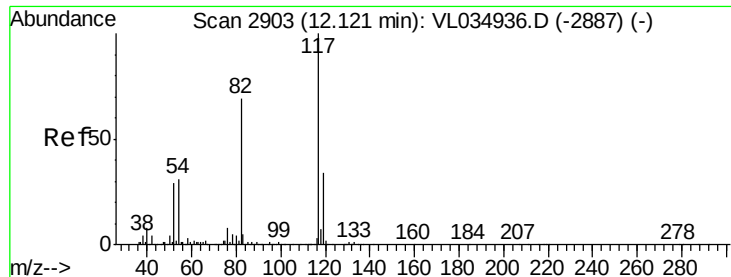
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 13933 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 136.6 | 132.5 | 198.7 |
| 51       | 49.1  | 38.4  | 57.6  |
| 86       | 55.7  | 51.2  | 76.8  |



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.19 min Scan# 1368  
Delta R.T. -0.00 min  
Lab File: VL034964.D  
Acq: 7 May 2020 12:26

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 114   | Resp: | 2469687 |
| Ion      | Ratio | Lower | Upper   |
| 114      | 100   |       |         |
| 63       | 27.1  | 22.2  | 33.4    |
| 88       | 19.6  | 15.5  | 23.3    |

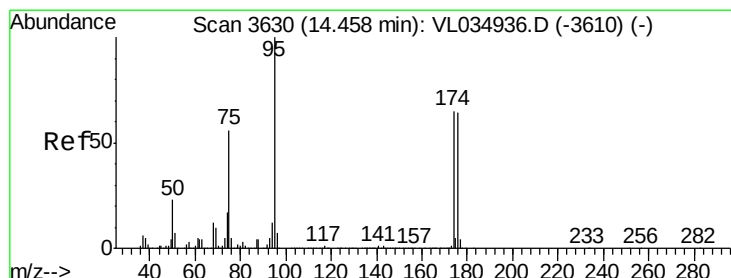
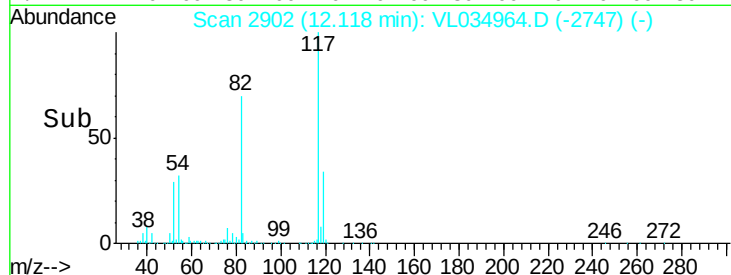
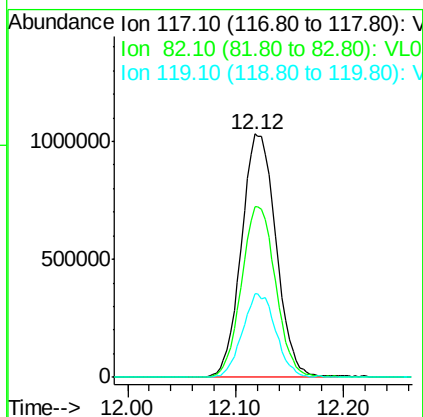
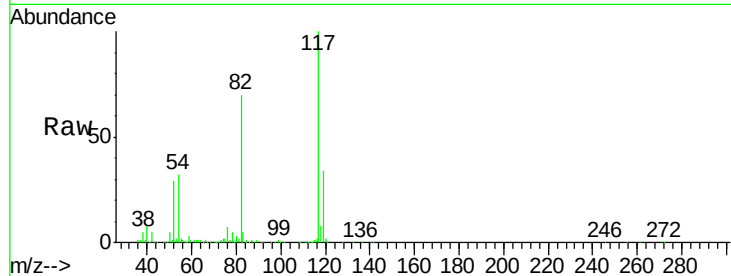




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.12 min Scan# 2902  
Delta R.T. -0.00 min  
Lab File: VL034964.D  
Acq: 7 May 2020 12:26

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0507ABL01

Tot Ion:117 Resp: 2307744  
Ion Ratio Lower Upper  
117 100  
82 70.0 53.1 79.7  
119 33.3 26.7 40.1



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.282 ppbv  
RT: 14.46 min Scan# 3629  
Delta R.T. -0.00 min  
Lab File: VL034964.D  
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Tgt Ion: 95 Resp: 1920619  
Ion Ratio Lower Upper  
95 100  
174 64.6 51.5 77.3  
175 4.7 3.8 5.8

