

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012821\  
 Data File : VL036273.D  
 Acq On : 28 Jan 2021 15:27  
 Operator : SY/AP  
 Sample : VL0128ABL01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0128ABL01

Manual Integrations  
 APPROVED

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 2/1/2021 1:52:01 PM

Quant Time: Jan 29 02:52:11 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jan 14 16:13:38 2021  
 QLast Update : Thu Jan 14 16:13:38 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1648239  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3486717  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 3210416  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2653659  | 9.99     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.90% |

| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Ovalue |
|------------------------|------|------|----------|-------|-------|--------|
| 15) Acetone            | 3.87 | 43   | 44629m   | 0.221 | ppbv  |        |
| 20) Methylene Chloride | 4.34 | 84   | 8556m    | 0.133 | ppbv  |        |

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

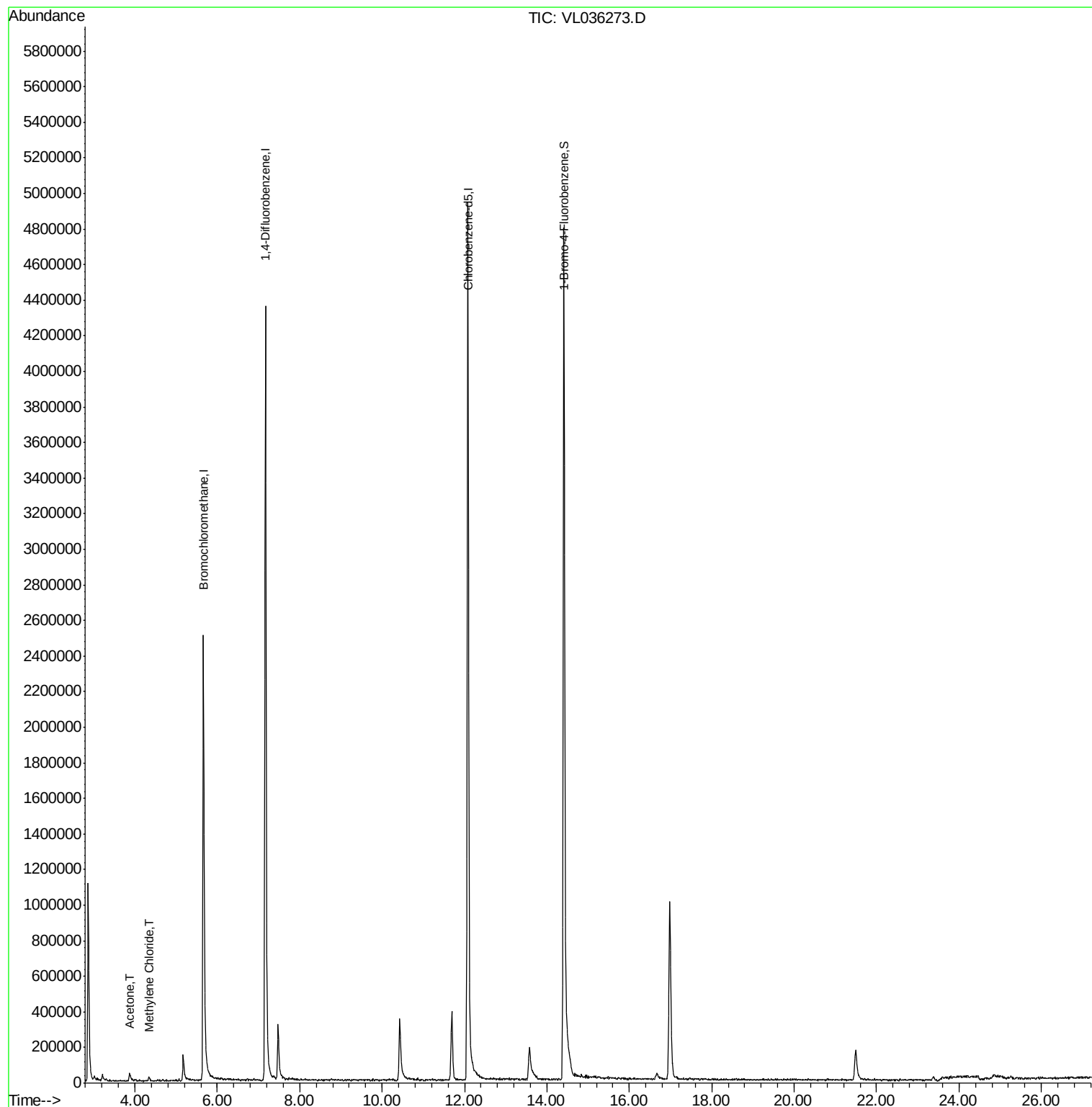
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012821\  
Data File : VL036273.D  
Acq On : 28 Jan 2021 15:27  
Operator : SY/AP  
Sample : VL0128ABL01  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

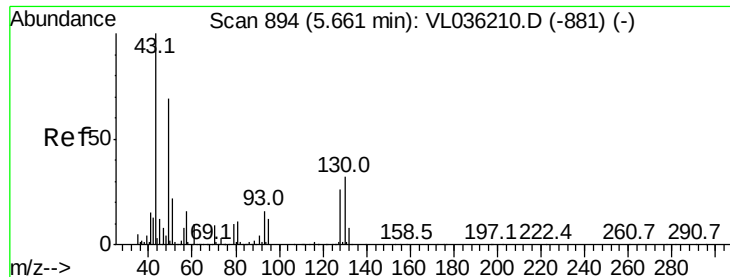
Instrument :  
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QLast Update : Thu Jan 14 16:13:38 2021  
Response via : Initial Calibration





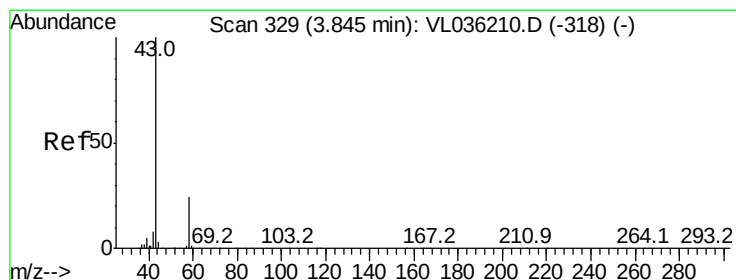
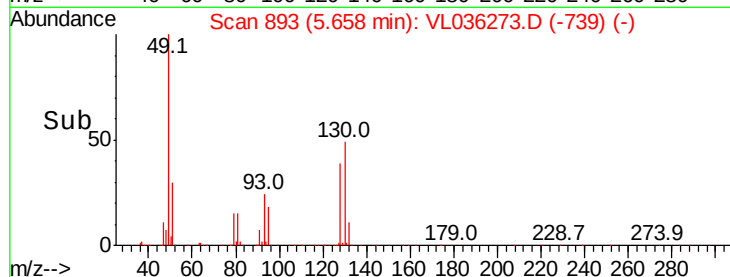
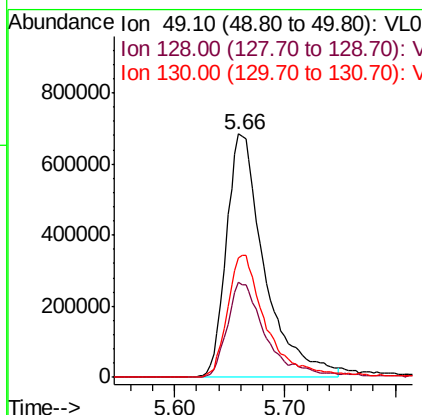
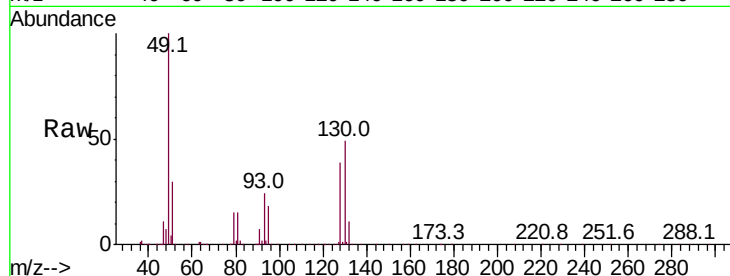
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.66 min Scan# 893  
Delta R.T. -0.00 min  
Lab File: VL036273.D  
Acq: 28 Jan 2021 15:27

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0128ABL01

Tot Ion: 49 Resp: 1648239  
Ion Ratio Lower Upper  
49 100  
128 41.1 20.1 60.2  
130 52.0 25.3 75.9

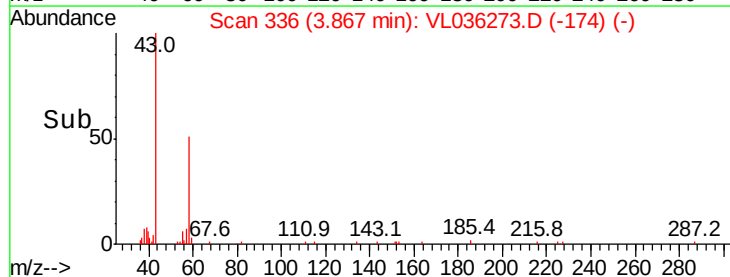
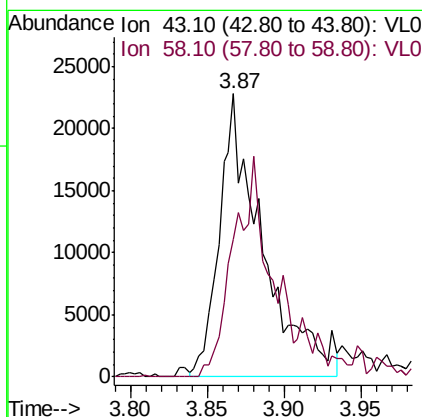
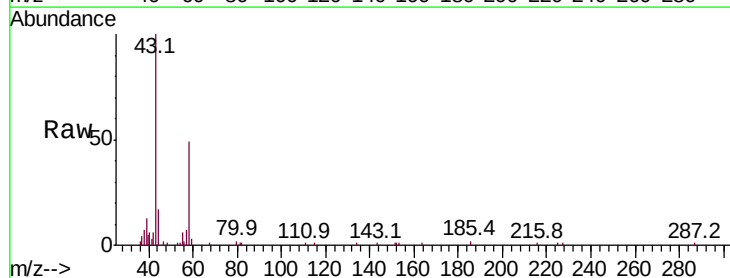
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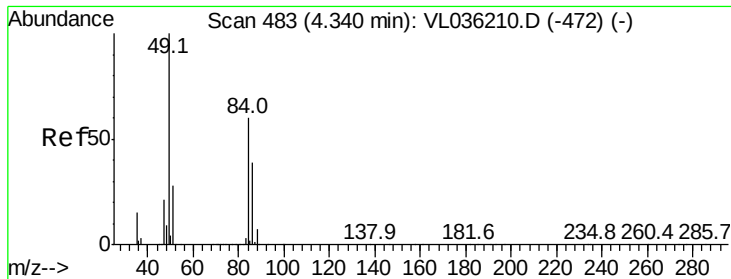
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#15  
Acetone  
Concen: 0.221 ppbv m  
RT: 3.87 min Scan# 336  
Delta R.T. 0.02 min  
Lab File: VL036273.D  
Acq: 28 Jan 2021 15:27

Tgt Ion: 43 Resp: 44629  
Ion Ratio Lower Upper  
43 100  
58 0.0 20.9 31.3#





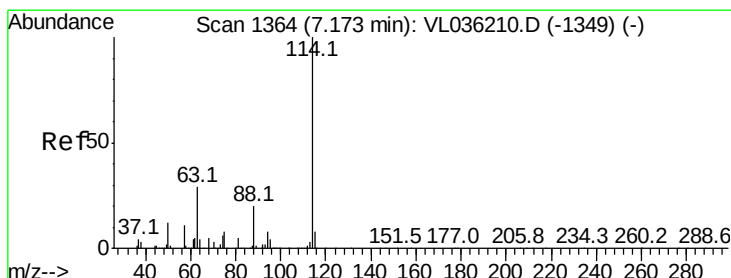
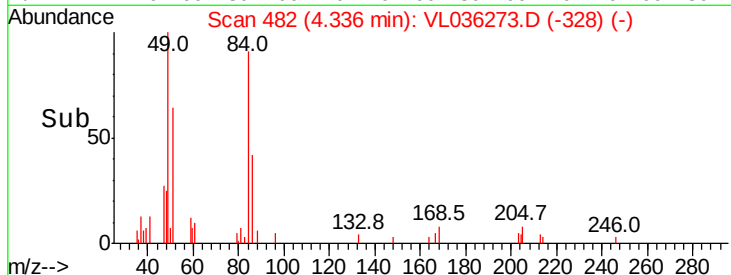
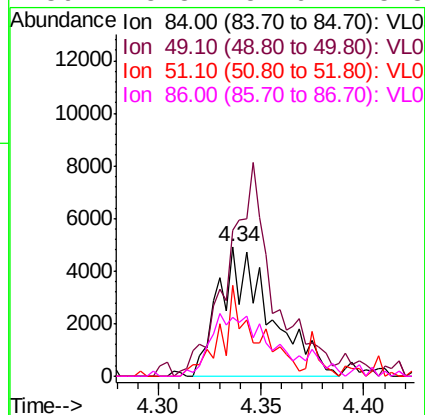
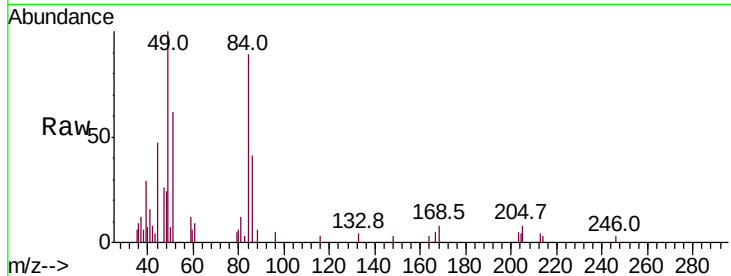
#20  
Methylene Chloride  
Concen: 0.133 ppbv  
RT: 4.34 min Scan# 482  
Delta R.T. -0.00 min  
Lab File: VL036273.D  
Acq: 28 Jan 2021 15:27

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0128ABL01

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 84      | 100   |       |        |
| 49      | 112.7 | 134.1 | 201.1# |
| 51      | 69.7  | 37.4  | 56.0#  |
| 86      | 45.8  | 52.6  | 78.8#  |

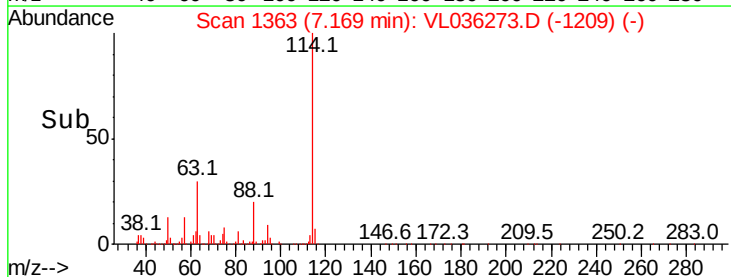
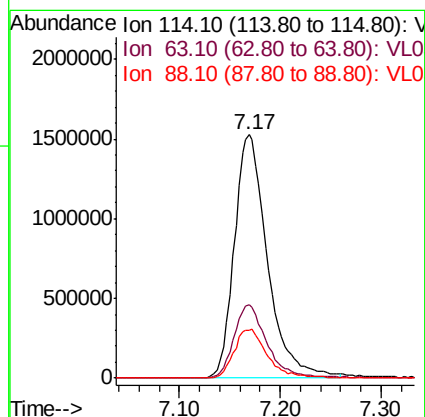
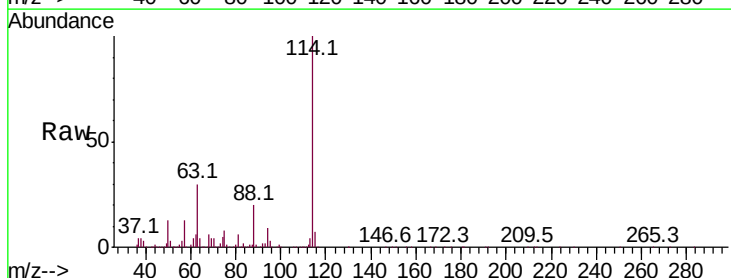
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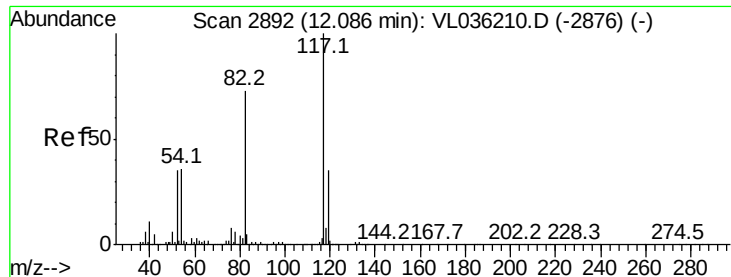
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#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.17 min Scan# 1363  
Delta R.T. -0.00 min  
Lab File: VL036273.D  
Acq: 28 Jan 2021 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 30.6  | 24.7  | 37.1  |
| 88      | 20.2  | 16.6  | 24.8  |





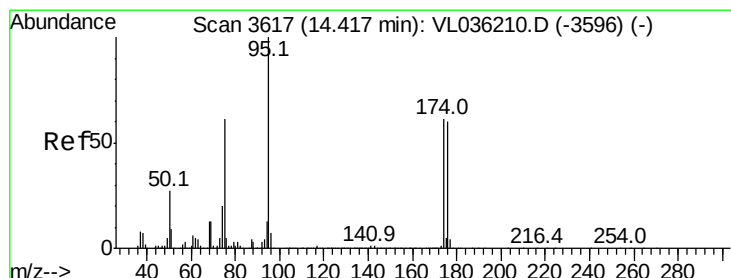
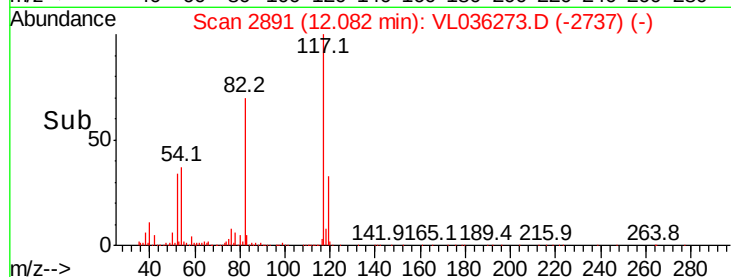
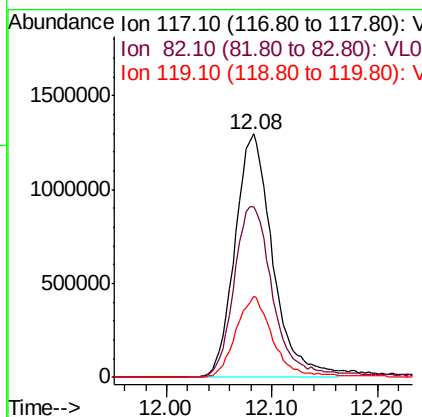
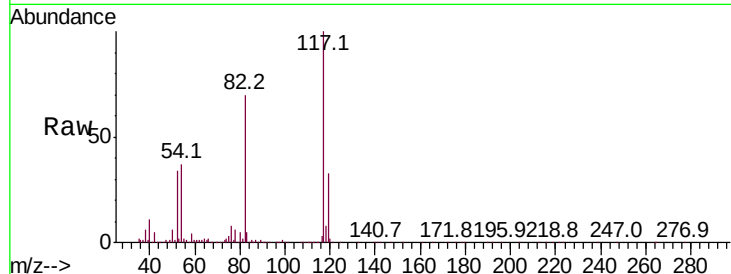
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.08 min Scan# 2891  
Delta R.T. -0.00 min  
Lab File: VL036273.D  
Acq: 28 Jan 2021 15:27

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0128ABL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 75.1  | 59.7  | 89.5  |
| 119     | 33.7  | 28.6  | 43.0  |

Manual Integrations  
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#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.986 ppbv  
RT: 14.41 min Scan# 3615  
Delta R.T. -0.01 min  
Lab File: VL036273.D  
Acq: 28 Jan 2021 15:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 63.8  | 49.4  | 74.0  |
| 175     | 4.5   | 3.8   | 5.8   |

