

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\  
 Data File : VL036218.D  
 Acq On : 13 Jan 2021 8:19  
 Operator : SY/AP  
 Sample : VL0113ABL01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0113ABL01

Manual Integrations  
 APPROVED

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 1/18/2021 3:49:07 PM

Quant Time: Jan 14 16:18:40 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 16:18:40 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   | 1549007  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3303761  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 2946655  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2478489  | 10.16    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.60% |

| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Ovalue |
|------------------------|------|------|----------|-------|-------|--------|
| 15) Acetone            | 3.86 | 43   | 49354m   | 0.260 | ppbv  |        |
| 20) Methylene Chloride | 4.33 | 84   | 15979m   | 0.264 | ppbv  |        |

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

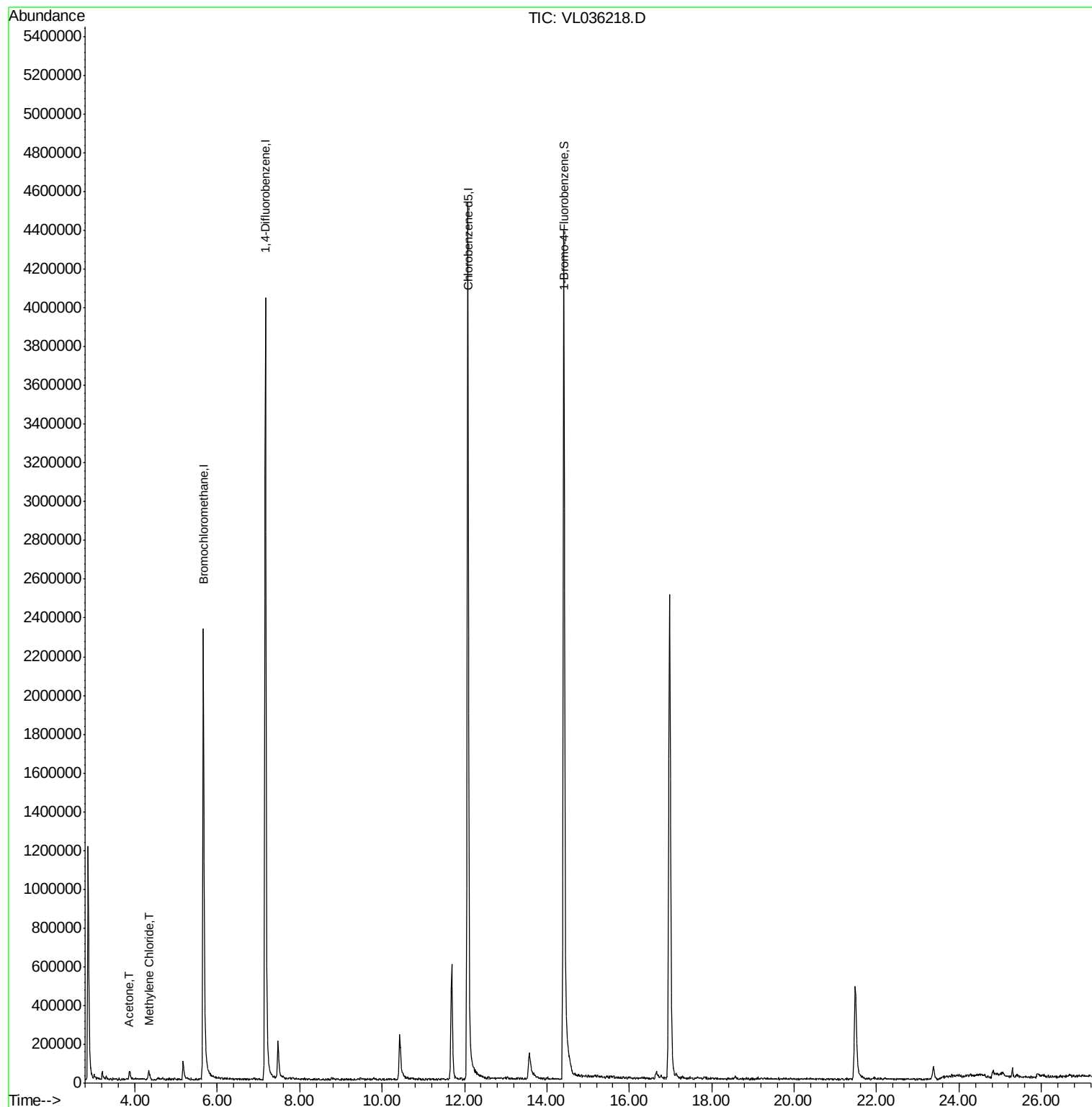
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL011321\  
Data File : VL036218.D  
Acq On : 13 Jan 2021 8:19  
Operator : SY/AP  
Sample : VL0113ABL01  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

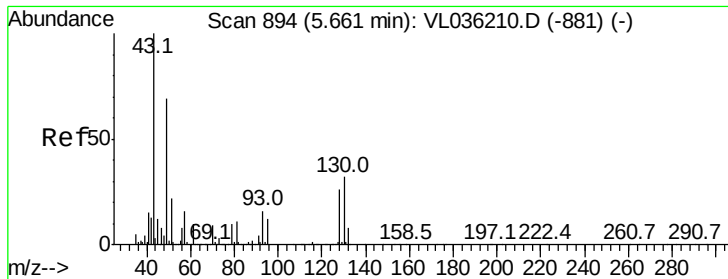
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0113ABL01

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Quant Time: Jan 14 16:18:40 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jan  
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: VL036218.D

Acq: 13 Jan 2021 8:19

Instrument :

MSVOA\_L

ClientSampleId :

VL0113ABL01

Tot Ion: 49 Resp: 1549007

Ion Ratio Lower Upper

49 100

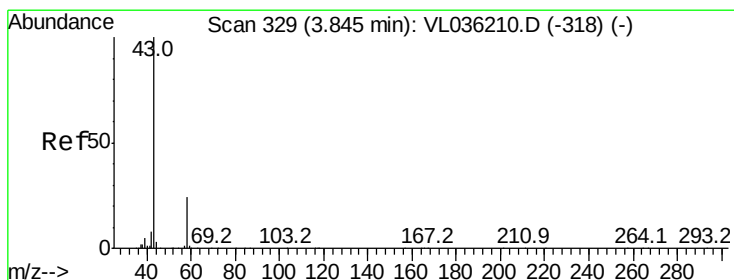
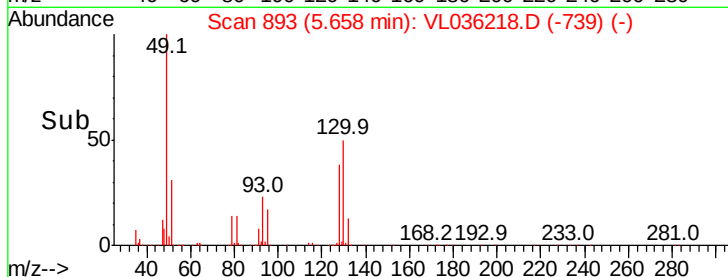
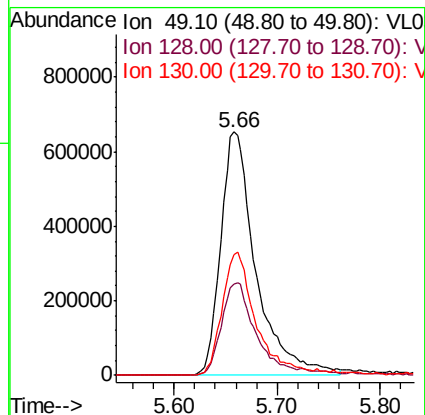
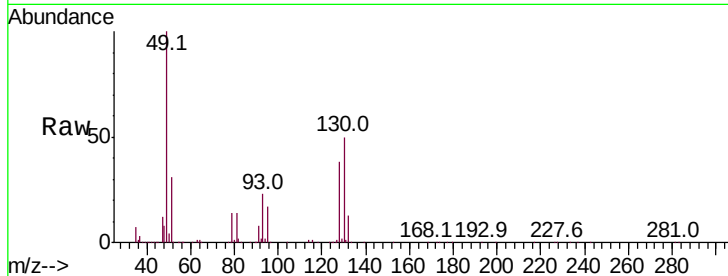
128 39.7 20.1 60.2

130 50.8 25.3 75.9

Manual Integrations  
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#15

Acetone

Concen: 0.260 ppbv m

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL036218.D

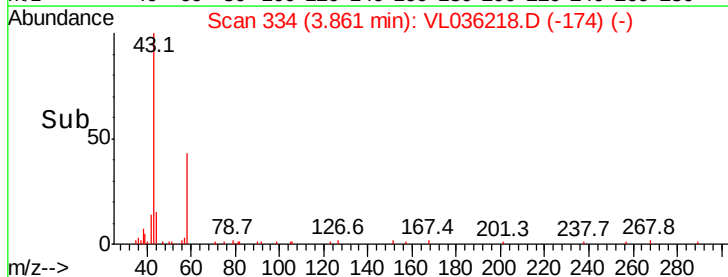
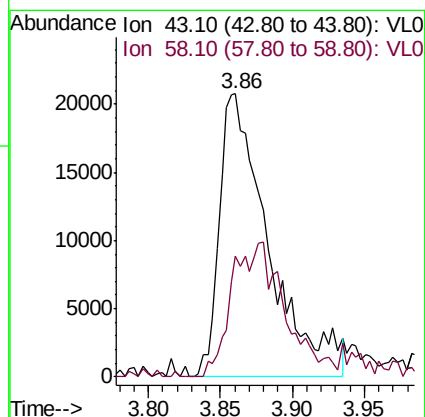
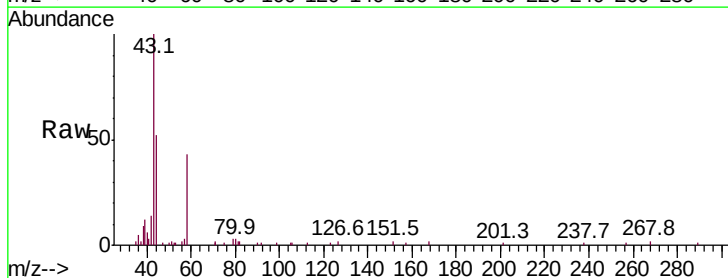
Acq: 13 Jan 2021 8:19

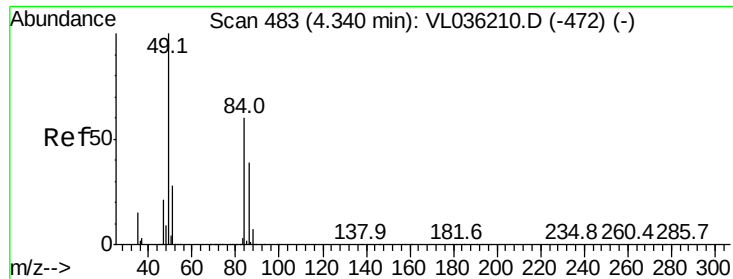
Tgt Ion: 43 Resp: 49354

Ion Ratio Lower Upper

43 100

58 51.3 20.9 31.3#





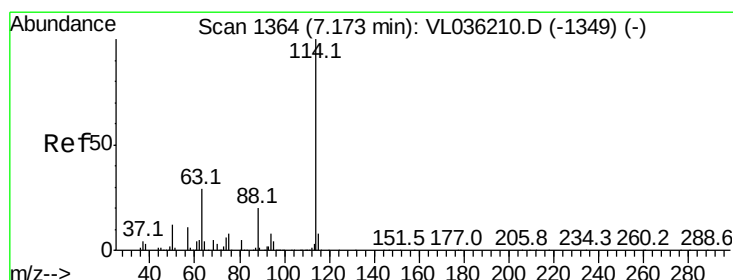
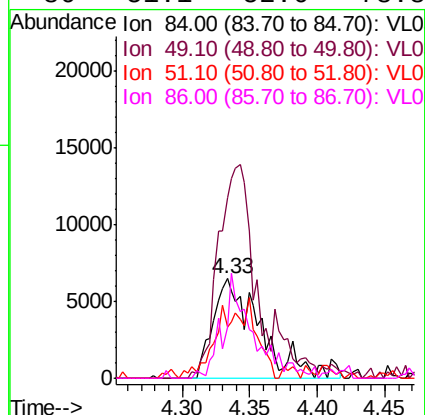
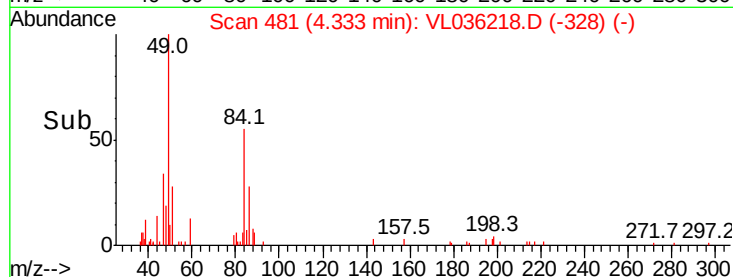
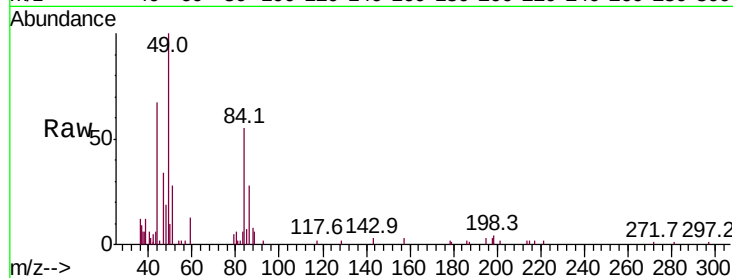
#20  
Methvlene Chloride  
Concen: 0.264 ppbv m  
RT: 4.33 min Scan# 481  
Delta R.T. -0.01 min  
Lab File: VL036218.D  
Acq: 13 Jan 2021 8:19

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0113ABL01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 84      | 100   |       |       |       |
| 49      | 181.0 | 134.1 | 201.1 |       |
| 51      | 50.8  | 37.4  | 56.0  |       |
| 86      | 51.1  | 52.6  | 78.8# |       |

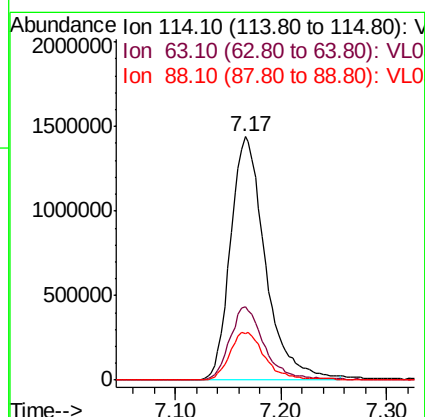
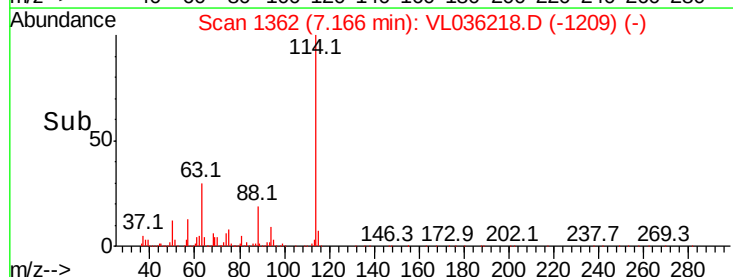
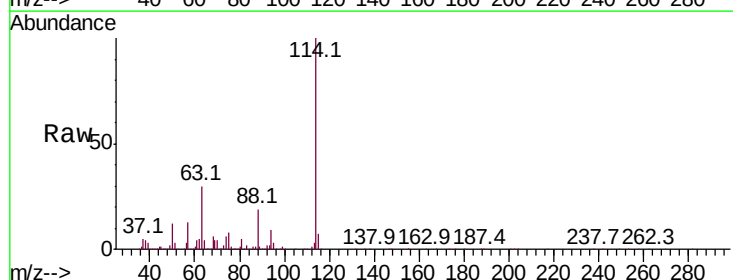
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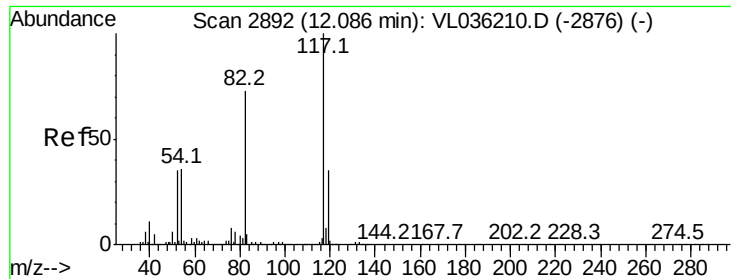
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#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.17 min Scan# 1362  
Delta R.T. -0.01 min  
Lab File: VL036218.D  
Acq: 13 Jan 2021 8:19

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 114     | 100  |       |       |       |
| 63      | 30.1 | 24.7  | 37.1  |       |
| 88      | 20.3 | 16.6  | 24.8  |       |





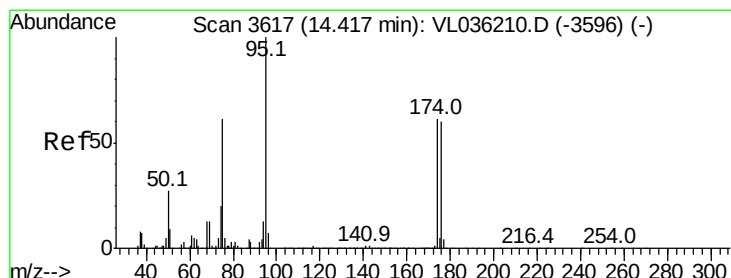
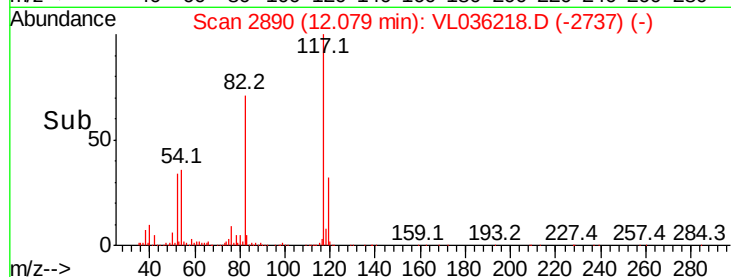
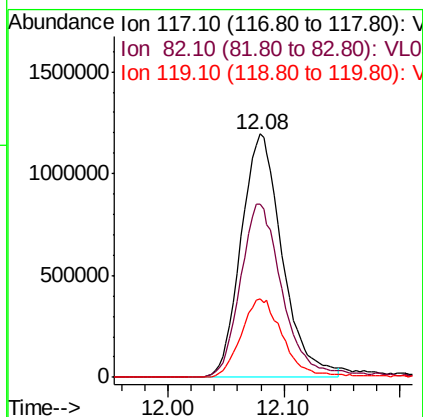
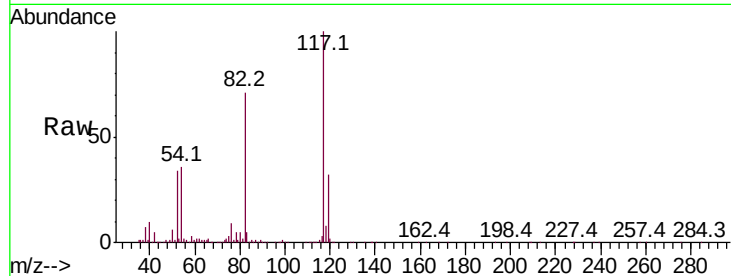
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.08 min Scan# 2890  
Delta R.T. -0.01 min  
Lab File: VL036218.D  
Acq: 13 Jan 2021 8:19

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0113ABL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 72.9  | 59.7  | 89.5  |
| 119     | 33.8  | 28.6  | 43.0  |

Manual Integrations  
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#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.162 ppbv  
RT: 14.41 min Scan# 3615  
Delta R.T. -0.01 min  
Lab File: VL036218.D  
Acq: 13 Jan 2021 8:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 63.8  | 49.4  | 74.0  |
| 175     | 4.6   | 3.8   | 5.8   |

