

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\  
 Data File : VL032356.D  
 Acq On : 15 Aug 2018 17:42  
 Operator : SY/AP  
 Sample : VL0815ABL01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0815ABL01

Manual Integrations  
 APPROVED

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 8/17/2018 2:06:36 PM

Quant Time: Aug 16 22:09:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_LWed Aug 15 14:58:02 2018  
 QLast Update : Wed Aug 15 14:58:02 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.82  | 49   | 2403854  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.35  | 114  | 4444339  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.31 | 117  | 4360122  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.65  | 95    | 3436102  | 10.33    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.30% |

| Target Compounds       | R.T. | QIon | Response | Conc | Units | Ovalue |
|------------------------|------|------|----------|------|-------|--------|
| 15) Acetone            | 3.97 | 43   | 22032m   | 0.10 | ppbv  |        |
| 20) Methylene Chloride | 4.46 | 84   | 10216m   | 0.12 | ppbv  |        |

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

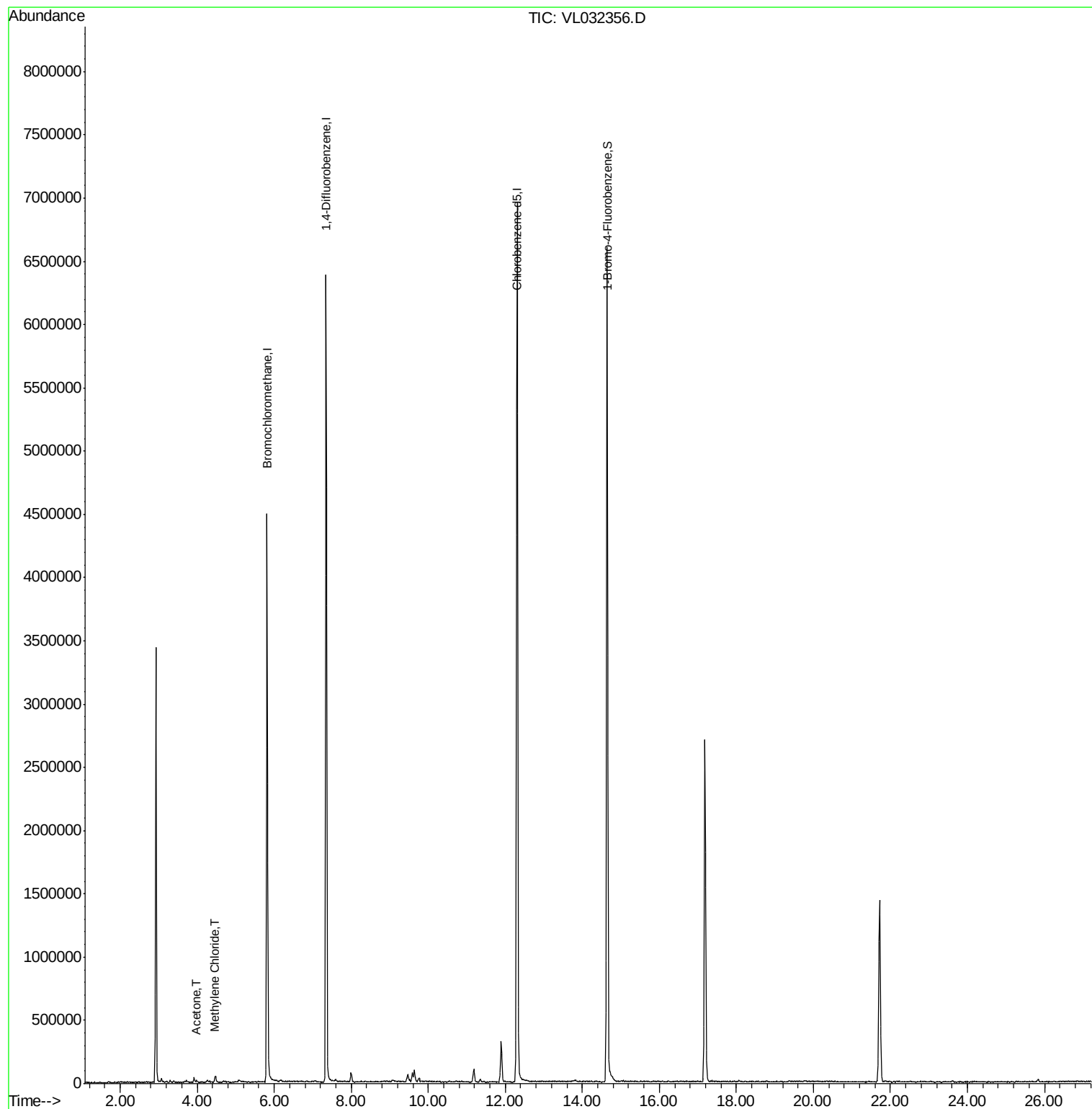
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\  
Data File : VL032356.D  
Acq On : 15 Aug 2018 17:42  
Operator : SY/AP  
Sample : VL0815ABL01  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

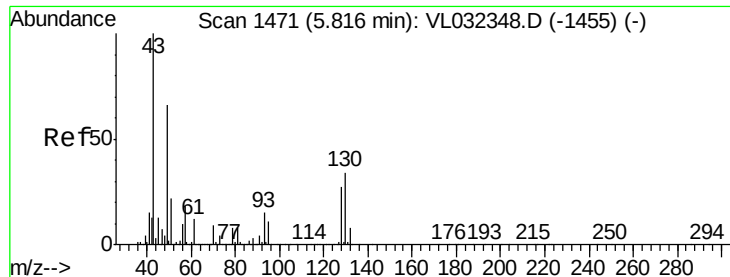
Instrument :  
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ClientSampleId :  
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8/17/2018 2:06:36 PM

Quant Time: Aug 16 22:09:54 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Aug  
QLast Update : Wed Aug 15 14:58:02 2018  
Response via : Initial Calibration





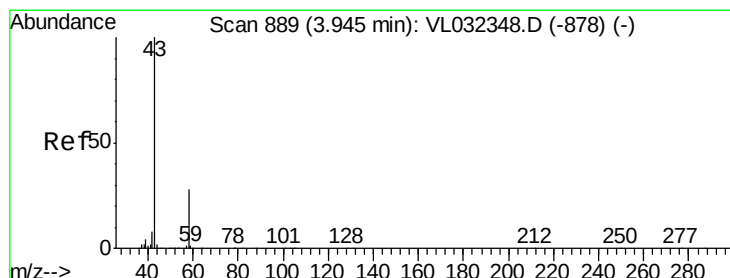
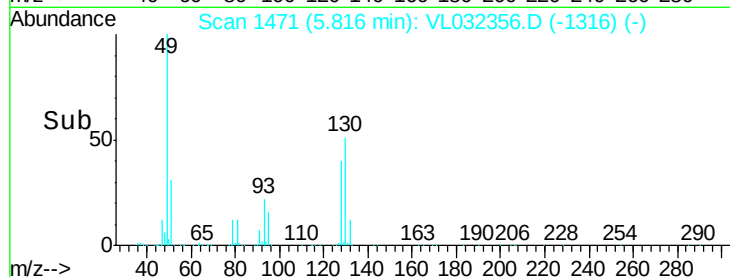
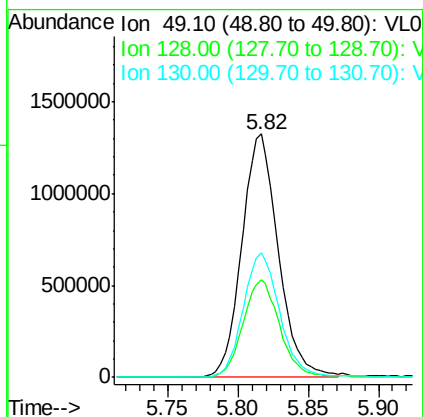
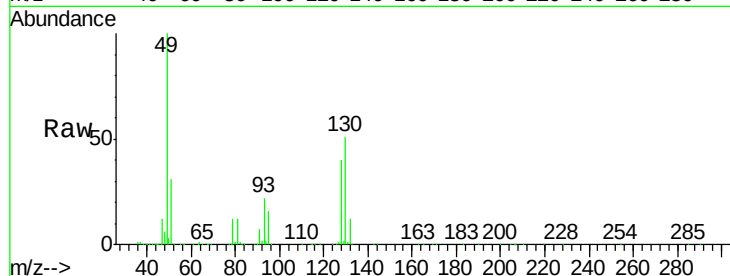
#1  
Bromochloromethane  
Concen: 10.00 ppbv  
RT: 5.82 min Scan# 1471  
Delta R.T. -0.00 min  
Lab File: VL032356.D  
Acq: 15 Aug 2018 17:42

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0815ABL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 128     | 40.8  | 20.5  | 61.6  |
| 130     | 51.9  | 26.2  | 78.5  |

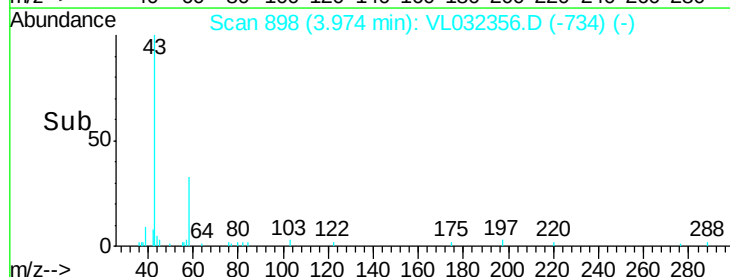
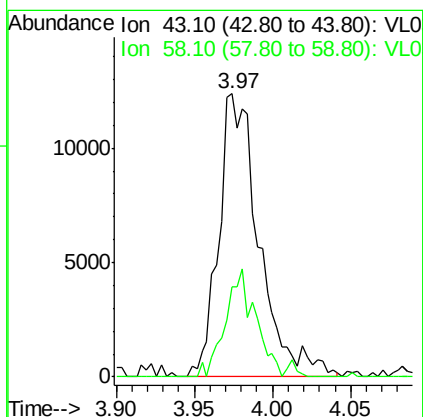
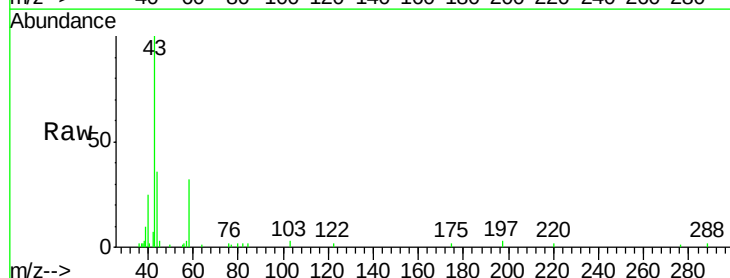
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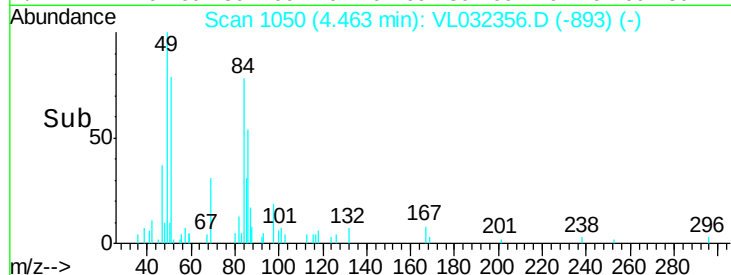
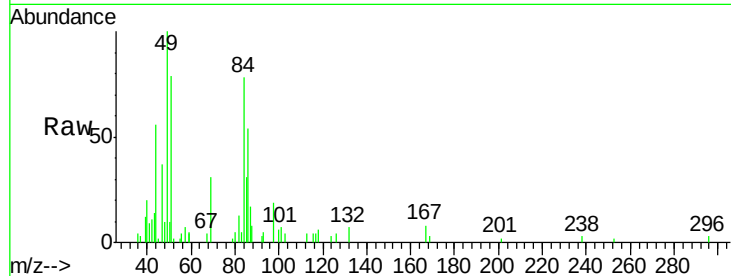
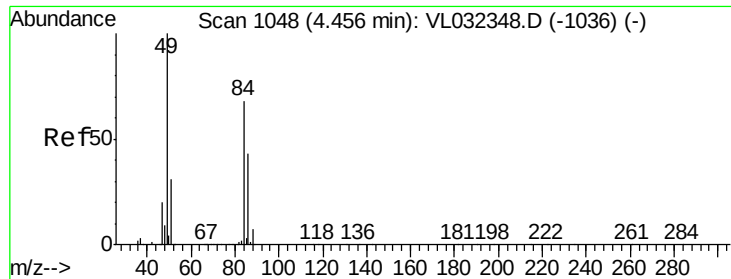
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#15  
Acetone  
Concen: 0.10 ppbv m  
RT: 3.97 min Scan# 898  
Delta R.T. 0.03 min  
Lab File: VL032356.D  
Acq: 15 Aug 2018 17:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 0.0   | 22.4  | 33.6# |





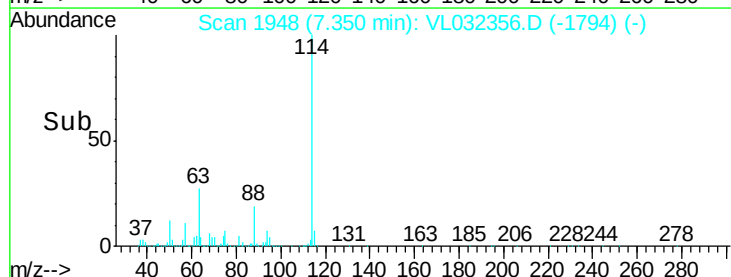
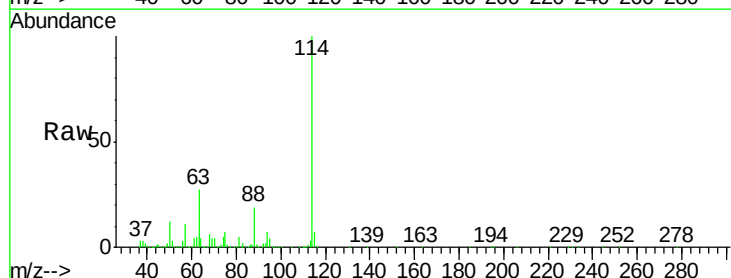
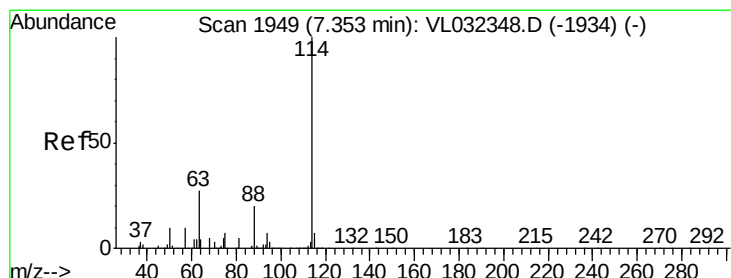
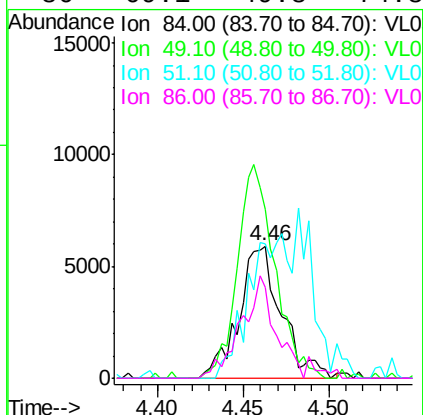
#20  
Methylene Chloride  
Concen: 0.12 ppbv m  
RT: 4.46 min Scan# 1050  
Delta R.T. 0.01 min  
Lab File: VL032356.D  
Acq: 15 Aug 2018 17:42

| Tot Ion | 84    | Resp  | 10216 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 84      | 100   |       |       |
| 49      | 128.4 | 117.3 | 175.9 |
| 51      | 102.0 | 36.6  | 55.0  |
| 86      | 69.1  | 49.8  | 74.8  |

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0815ABL01

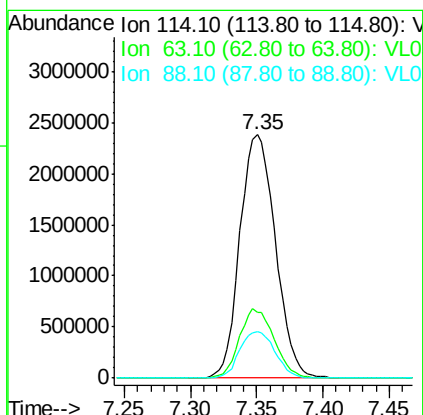
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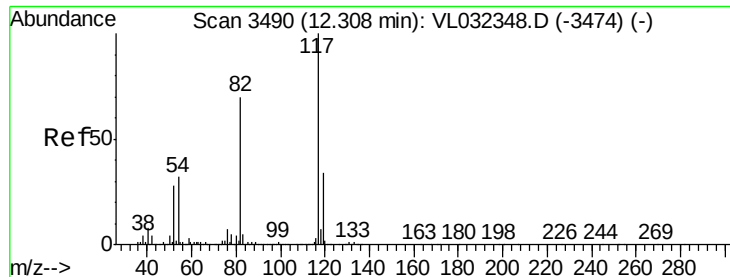
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#33  
1,4-Difluorobenzene  
Concen: 10.00 ppbv  
RT: 7.35 min Scan# 1948  
Delta R.T. -0.00 min  
Lab File: VL032356.D  
Acq: 15 Aug 2018 17:42

| Tgt Ion | 114   | Resp  | 4444339 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 114     | 100   |       |         |
| 63      | 28.0  | 22.0  | 33.0    |
| 88      | 19.2  | 15.3  | 22.9    |





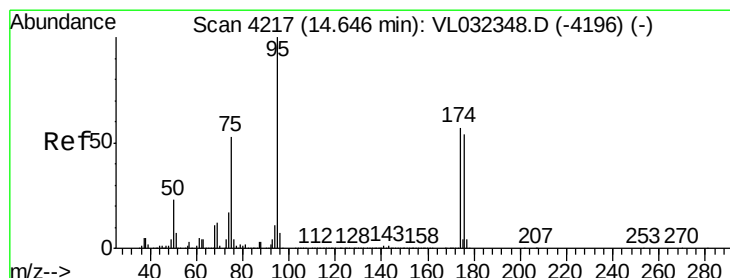
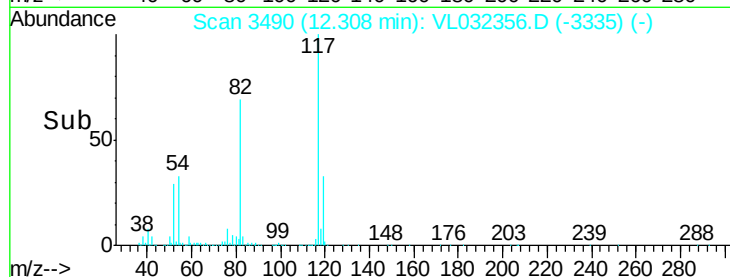
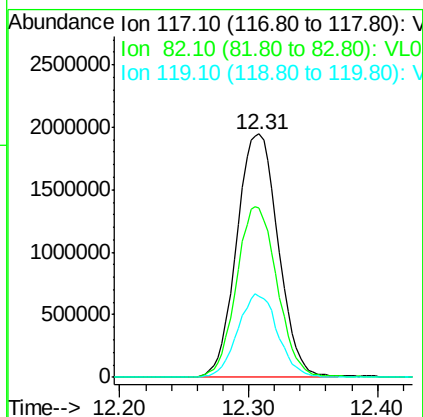
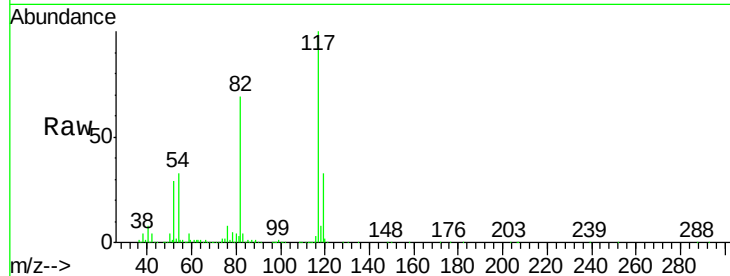
#55  
Chlorobenzene-d5  
Concen: 10.00 ppbv  
RT: 12.31 min Scan# 3490  
Delta R.T. -0.00 min  
Lab File: VL032356.D  
Acq: 15 Aug 2018 17:42

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0815ABL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 69.5  | 55.1  | 82.7  |
| 119     | 33.3  | 46.0  | 69.0  |

Manual Integrations  
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#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.33 ppbv  
RT: 14.65 min Scan# 4217  
Delta R.T. -0.00 min  
Lab File: VL032356.D  
Acq: 15 Aug 2018 17:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 58.0  | 46.2  | 69.4  |
| 175     | 4.1   | 3.4   | 5.0   |

