

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110718\  
Quantitation Report (QT Reviewed)

Data File : VL032713.D  
Acq On : 7 Nov 2018 12:20  
Operator : SY/AP  
Sample : VL1107ABL01  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABL01

Manual Integrations  
APPROVED

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11/15/2018 12:01:44 PM

Quant Time: Nov 08 12:24:52 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL101818AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Thu Oct 25 2018  
QLast Update : Thu Oct 25 05:15:43 2018  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.77  | 49   | 1519566  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.30  | 114  | 3759471  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.25 | 117  | 3745584  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.59  | 95    | 2835938  | 10.17    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.70% |

| Target Compounds       |      |    |        |       |      | Qvalue |
|------------------------|------|----|--------|-------|------|--------|
| 15) Acetone            | 3.93 | 43 | 37268  | 0.266 | ppbv | 93     |
| 20) Methylene Chloride | 4.42 | 84 | 14325m | 0.201 | ppbv |        |

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

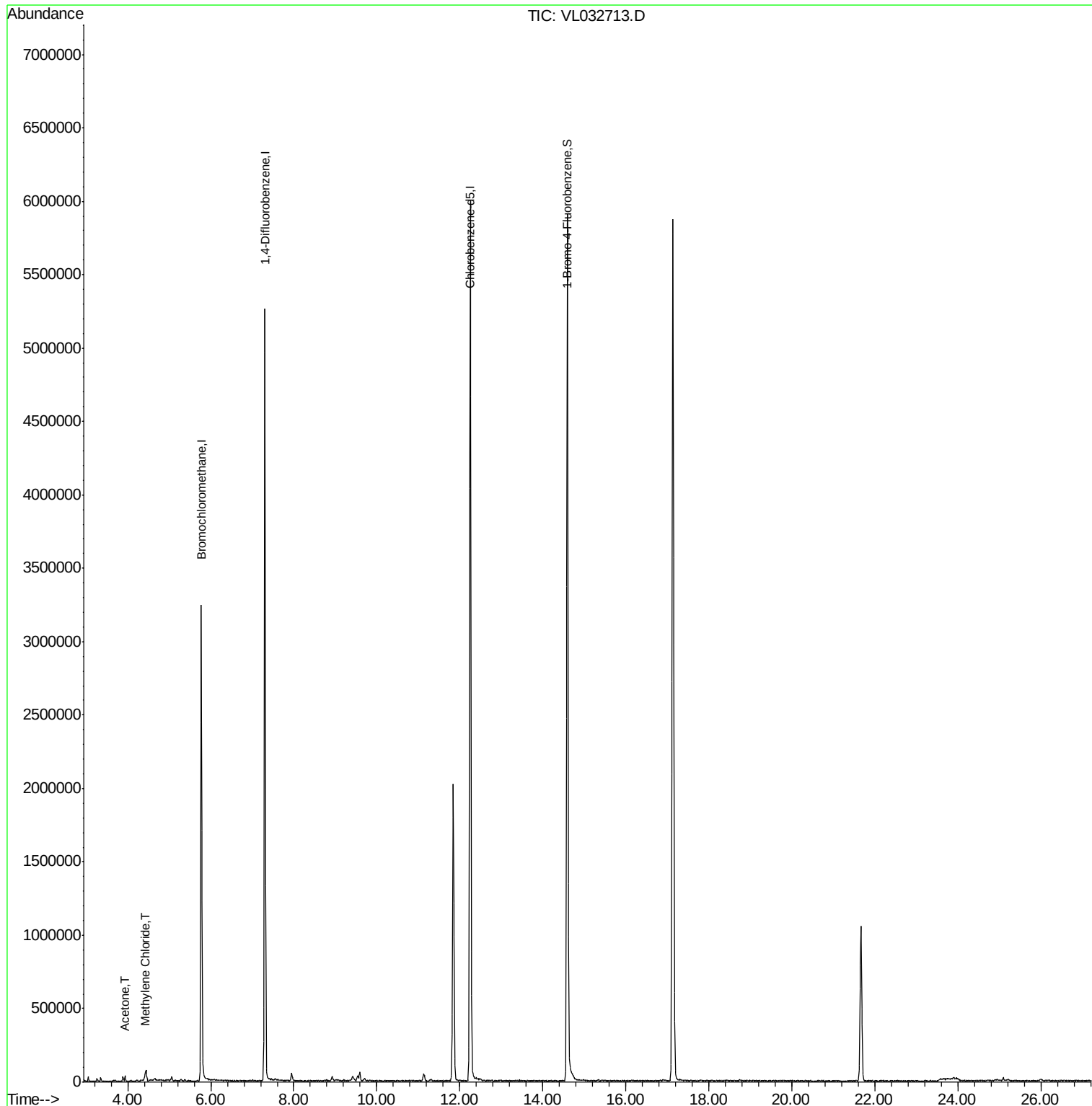
Data File : VL032713.D  
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ALS Vial : 1 Sample Multiplier: 1

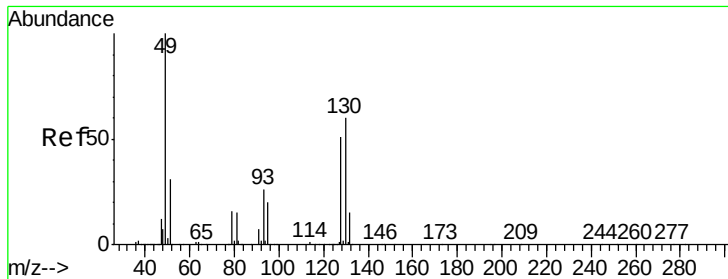
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABL01

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Quant Time: Nov 08 12:24:52 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL101818AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Oct  
QLast Update : Thu Oct 25 05:15:43 2018  
Response via : Initial Calibration





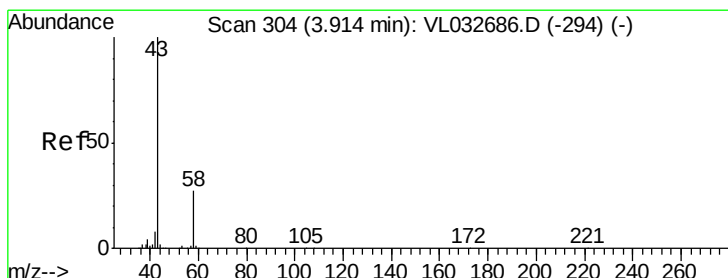
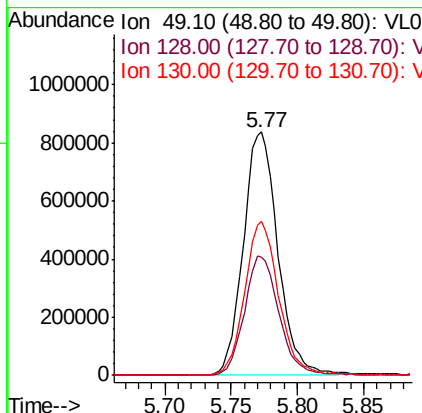
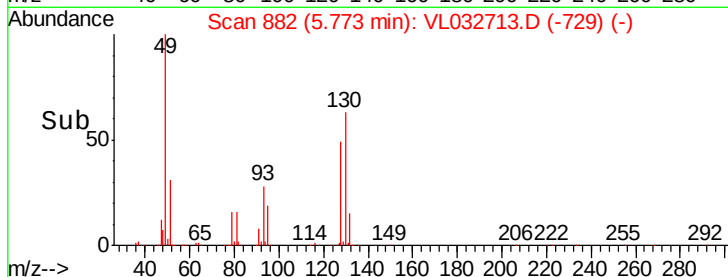
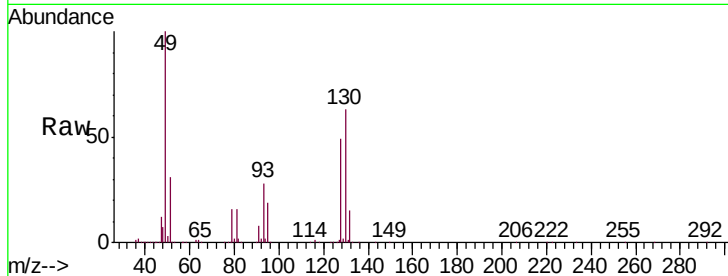
#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.77 min Scan# 882  
 Delta R.T. -0.01 min  
 Lab File: VL032713.D  
 Acq: 7 Nov 2018 12:20

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1107ABL01

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 49    | Resp: | 1519566 |
| Ion      | Ratio | Lower | Upper   |
| 49       | 100   |       |         |
| 128      | 49.7  | 22.3  | 66.8    |
| 130      | 63.1  | 28.4  | 85.3    |

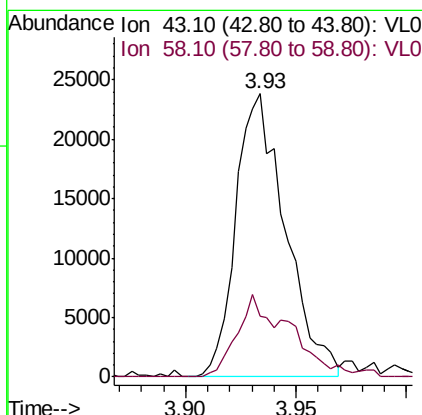
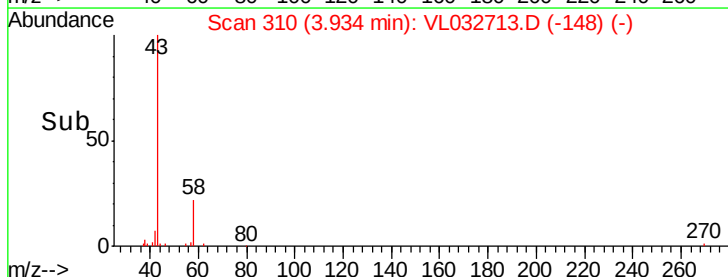
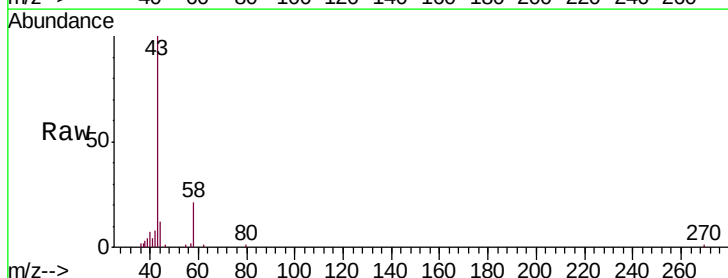
Manual Integrations  
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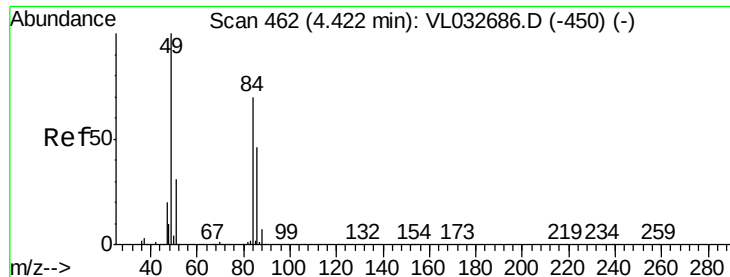
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#15  
 Acetone  
 Concen: 0.266 ppbv  
 RT: 3.93 min Scan# 310  
 Delta R.T. 0.02 min  
 Lab File: VL032713.D  
 Acq: 7 Nov 2018 12:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 37268 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 31.5  | 22.1  | 33.1  |





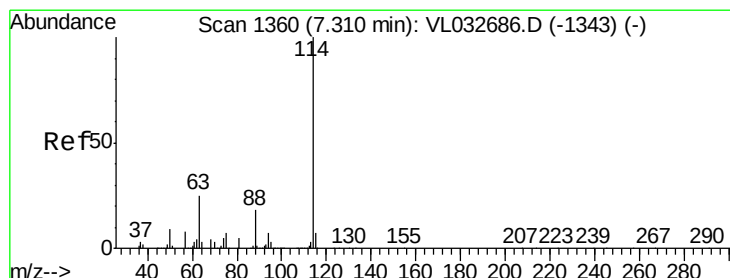
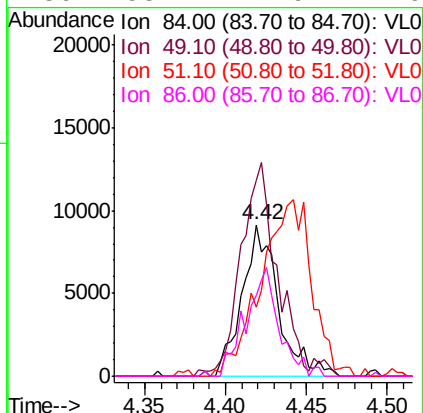
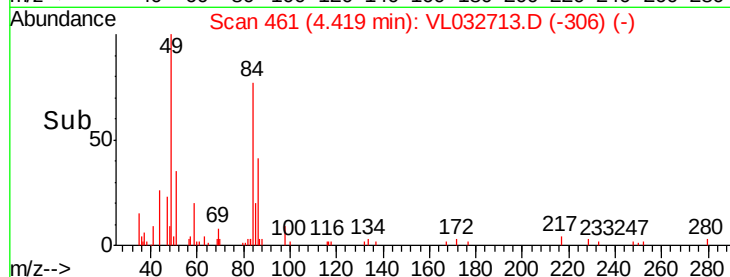
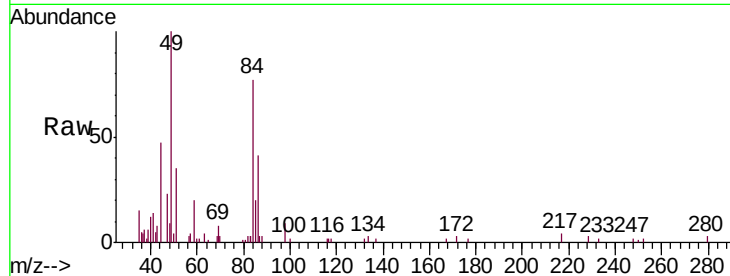
#20  
Methylene Chloride  
Concen: 0.201 ppbv  
RT: 4.42 min Scan# 461  
Delta R.T. -0.00 min  
Lab File: VL032713.D  
Acq: 7 Nov 2018 12:20

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABL01

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 84      | 100   |       |       |       |
| 49      | 129.5 | 113.5 | 170.3 |       |
| 51      | 45.9  | 34.8  | 52.2  |       |
| 86      | 53.4  | 47.9  | 71.9  |       |

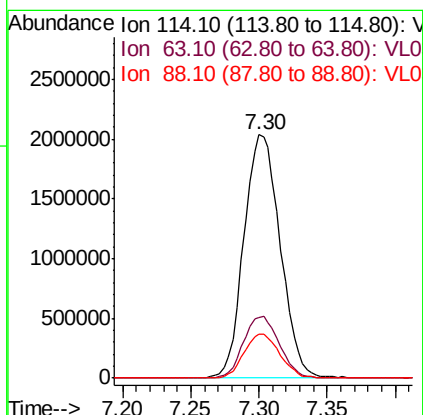
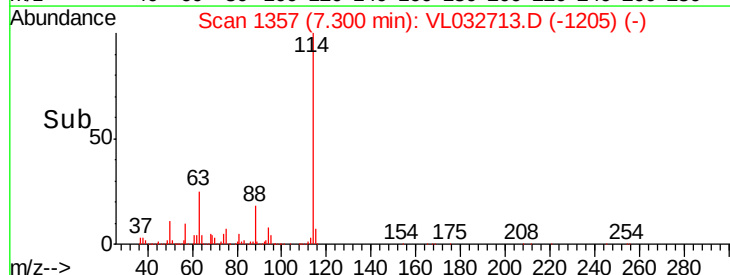
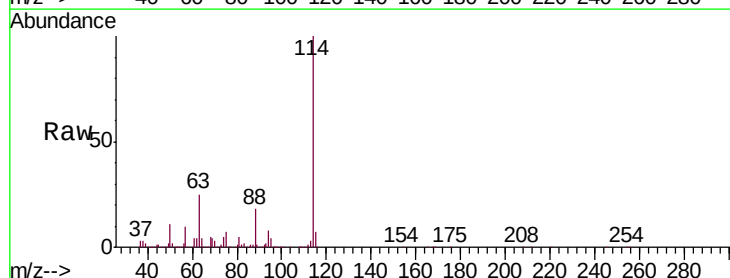
Manual Integrations  
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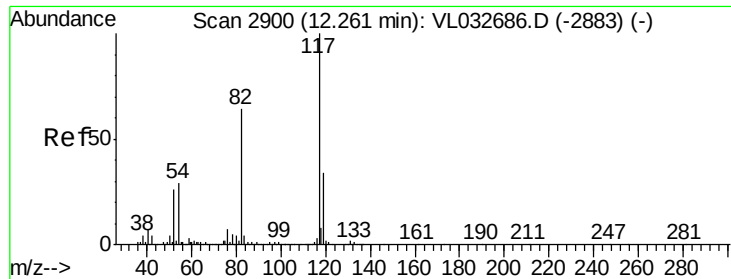
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#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.30 min Scan# 1357  
Delta R.T. -0.01 min  
Lab File: VL032713.D  
Acq: 7 Nov 2018 12:20

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 114     | 100  |       |       |       |
| 63      | 25.3 | 21.7  | 32.5  |       |
| 88      | 18.0 | 14.9  | 22.3  |       |





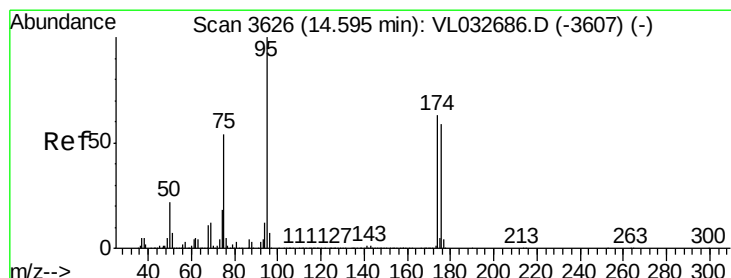
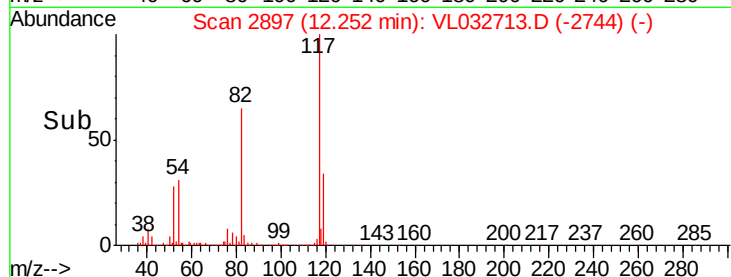
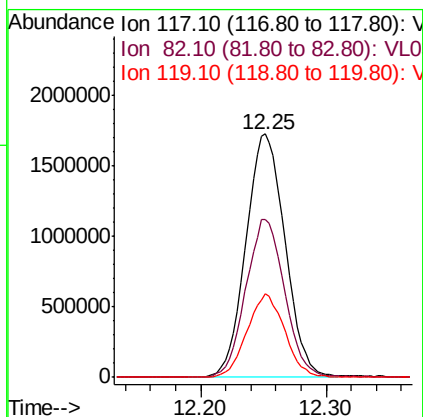
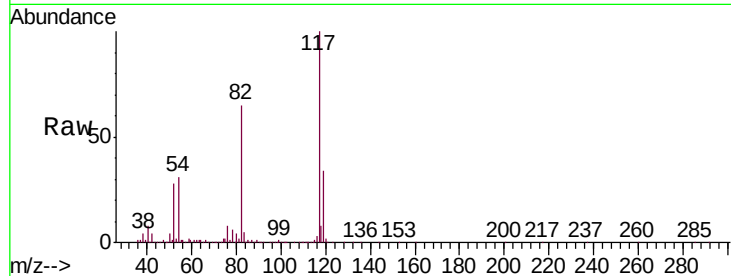
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.25 min Scan# 2897  
Delta R.T. -0.01 min  
Lab File: VL032713.D  
Acq: 7 Nov 2018 12:20

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1107ABL01

Tgt Ion: 117 Resp: 3745584  
Ion Ratio Lower Upper  
117 100  
82 64.7 52.7 79.1  
119 33.4 26.7 40.1

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#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.169 ppbv  
RT: 14.59 min Scan# 3623  
Delta R.T. -0.01 min  
Lab File: VL032713.D  
Acq: 7 Nov 2018 12:20

Tgt Ion: 95 Resp: 2835938  
Ion Ratio Lower Upper  
95 100  
174 64.1 46.0 69.0  
175 4.7 3.4 5.0

