

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\  
 Data File : VL032522.D  
 Acq On : 24 Sep 2018 23:38  
 Operator : SY/AP  
 Sample : VL0924ABL01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABL01

Manual Integrations  
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Quant Time: Sep 25 06:04:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Tue Sep 25 06:04:15 2018  
 QLast Update : Tue Sep 25 05:17:15 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| 1) Bromochloromethane       | 5.79   | 49    | 1541776  | 10.00    | ppbv  | -0.02     |
| 33) 1,4-Difluorobenzene     | 7.32   | 114   | 3381188  | 10.00    | ppbv  | -0.03     |
| 55) Chlorobenzene-d5        | 12.27  | 117   | 3495357  | 10.00    | ppbv  | -0.03     |
| System Monitoring Compounds |        |       |          |          |       |           |
| 68) 1-Bromo-4-Fluorobenzene | 14.61  | 95    | 2624122  | 9.96     | ppbv  | -0.03     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =     | 99.60%    |
| Target Compounds            |        |       |          |          |       |           |
| 15) Acetone                 | 3.94   | 43    | 59584    | 0.440    | ppbv  | Ovalue 90 |
| 20) Methylene Chloride      | 4.43   | 84    | 21565m   | 0.329    | ppbv  |           |

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

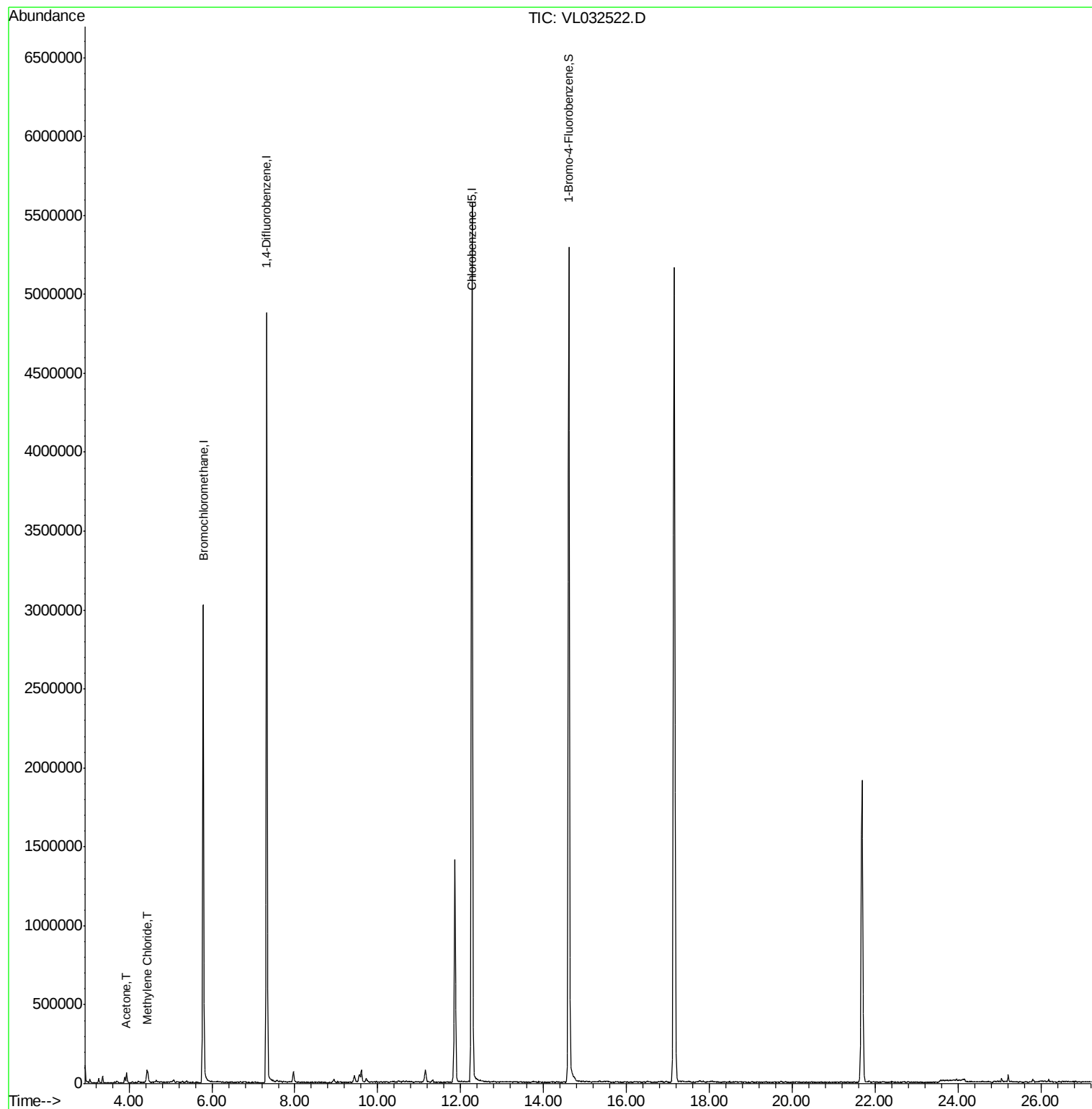
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092418\  
Data File : VL032522.D  
Acq On : 24 Sep 2018 23:38  
Operator : SY/AP  
Sample : VL0924ABL01  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

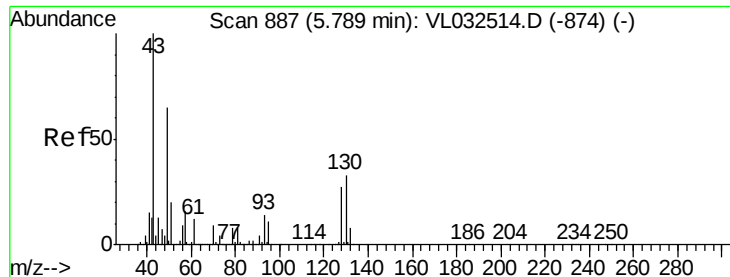
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABL01

Manual Integrations  
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9/26/2018 4:47:46 PM

Quant Time: Sep 25 06:04:15 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Sep  
QLast Update : Tue Sep 25 05:17:15 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

Lab File: VL032522.D

Acq: 24 Sep 2018 23:38

Instrument :

MSVOA\_L

ClientSampleId :

VL0924ABL01

Tot Ion: 49 Resp: 1541776

Ion Ratio Lower Upper

49 100

128 42.8 20.7 62.1

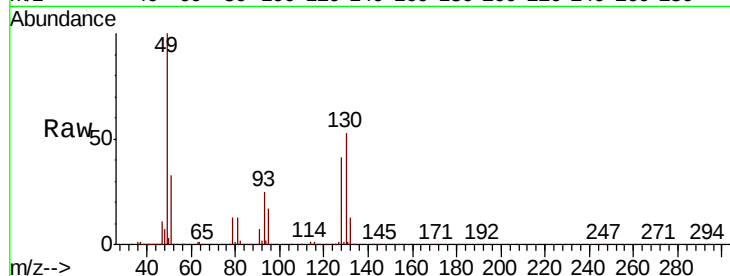
130 54.3 26.6 79.7

Manual Integrations

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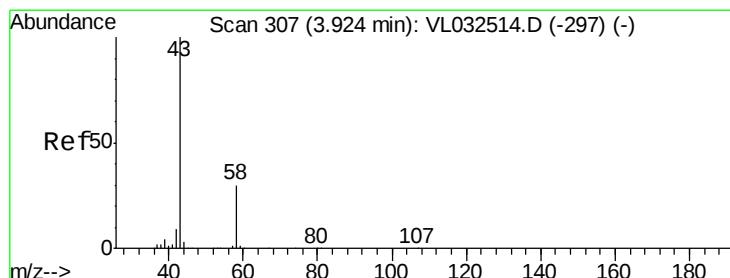
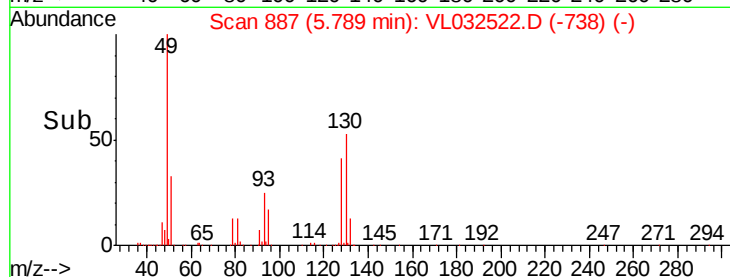
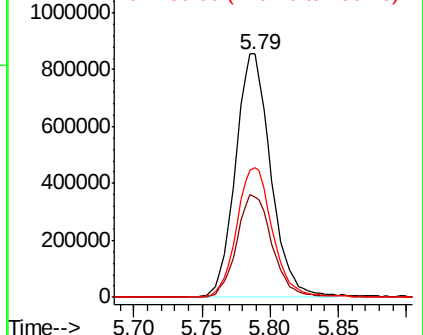
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.440 ppbv

RT: 3.94 min Scan# 312

Delta R.T. 0.00 min

Lab File: VL032522.D

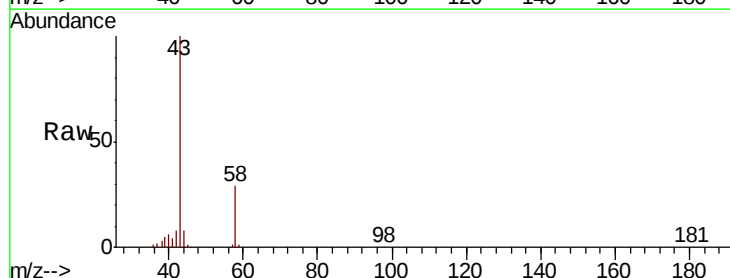
Acq: 24 Sep 2018 23:38

Tgt Ion: 43 Resp: 59584

Ion Ratio Lower Upper

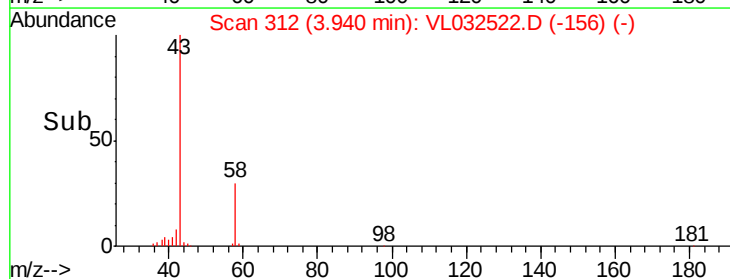
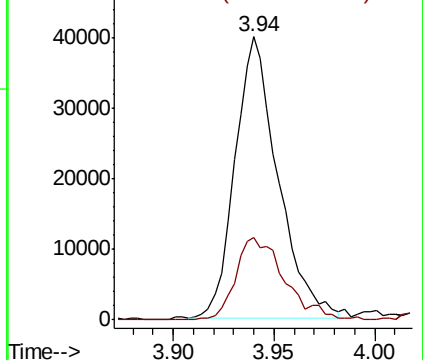
43 100

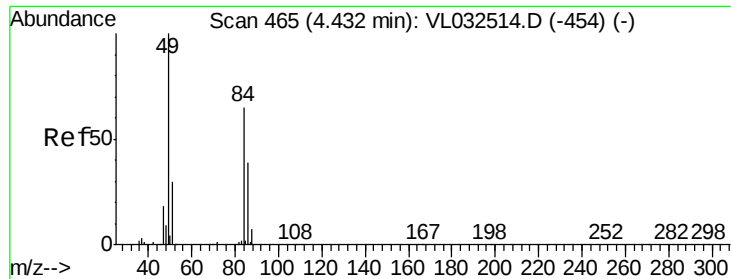
58 33.2 22.6 33.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





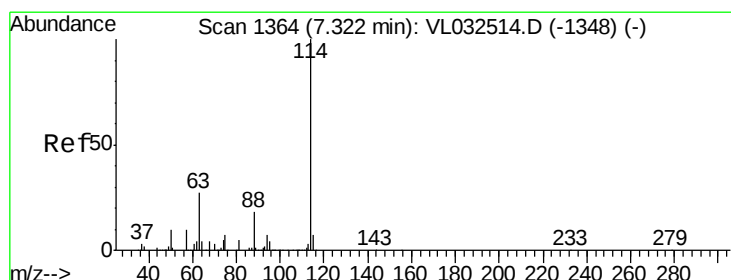
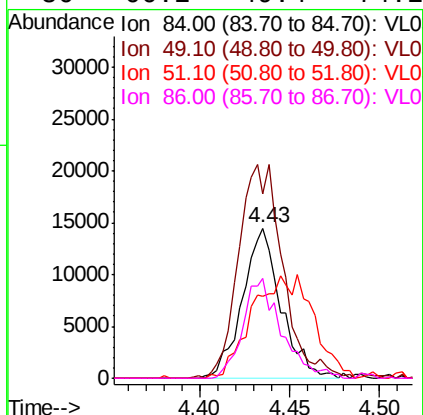
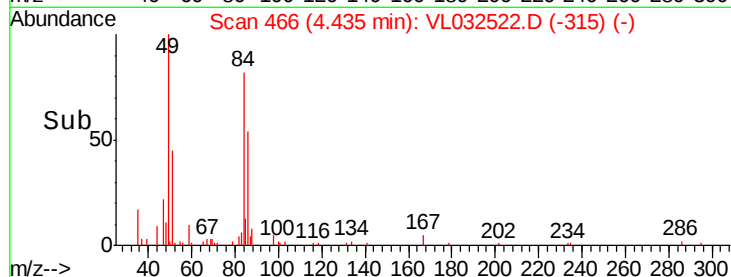
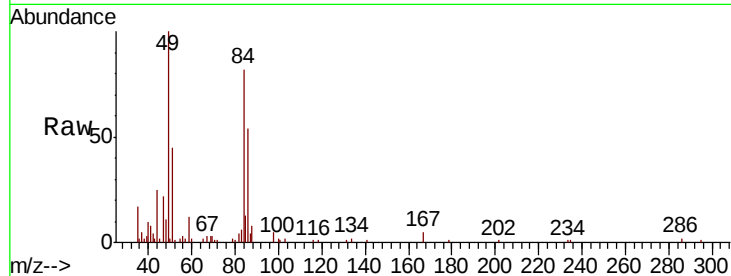
#20  
Methylene Chloride  
Concen: 0.329 ppbv  
RT: 4.43 min Scan# 466  
Delta R.T. -0.01 min  
Lab File: VL032522.D  
Acq: 24 Sep 2018 23:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 122.6 | 119.1 | 178.7 |
| 51      | 54.9  | 35.2  | 52.8# |
| 86      | 66.2  | 49.4  | 74.2  |

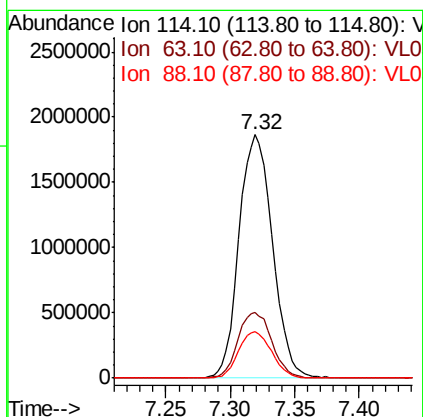
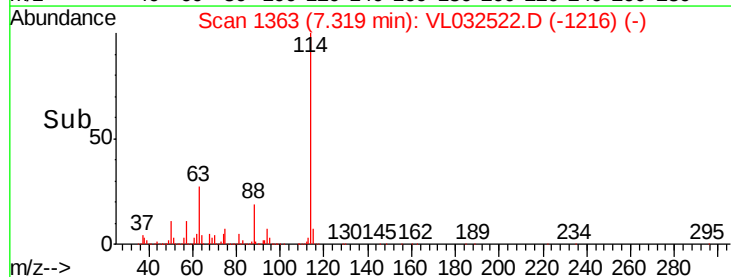
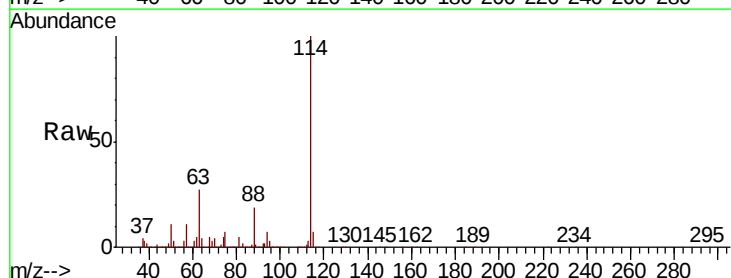
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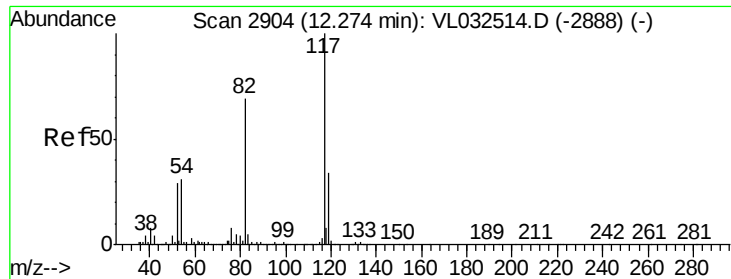
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#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.32 min Scan# 1363  
Delta R.T. -0.03 min  
Lab File: VL032522.D  
Acq: 24 Sep 2018 23:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 27.4  | 22.2  | 33.4  |
| 88      | 18.9  | 15.0  | 22.4  |





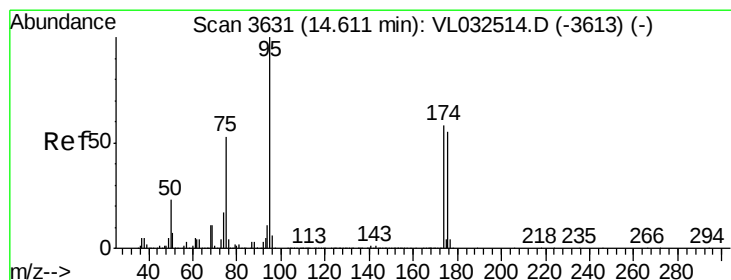
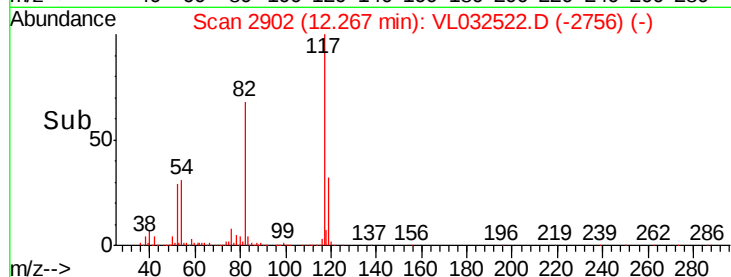
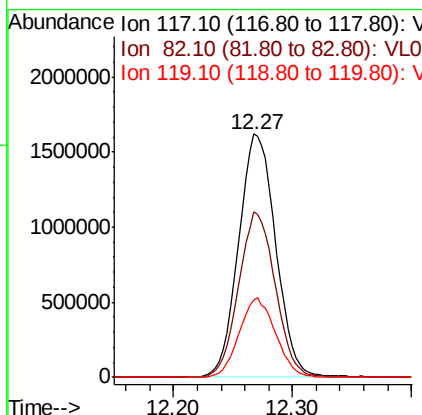
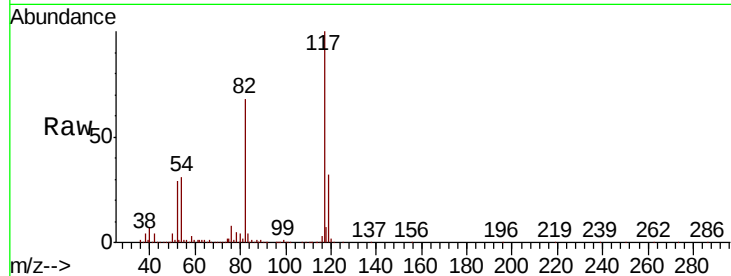
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.27 min Scan# 2902  
Delta R.T. -0.03 min  
Lab File: VL032522.D  
Acq: 24 Sep 2018 23:38

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 67.8  | 53.0  | 79.6  |
| 119     | 32.3  | 45.9  | 68.9  |

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#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.955 ppbv  
RT: 14.61 min Scan# 3630  
Delta R.T. -0.03 min  
Lab File: VL032522.D  
Acq: 24 Sep 2018 23:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 58.5  | 46.3  | 69.5  |
| 175     | 4.1   | 3.4   | 5.0   |

