

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012720\  
 Data File : VL034558.D  
 Acq On : 27 Jan 2020 12:20  
 Operator : SY/AP  
 Sample : VL0127ABL01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0127ABL01

Manual Integrations  
 APPROVED

MMDadoda  
 1/28/2020 2:02:46 PM

Quant Time: Jan 28 00:43:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jan 0  
 QLast Update : Thu Jan 09 03:01:19 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 945449   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 1978253  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.13 | 117  | 1955588  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.46  | 95    | 1634221  | 10.01    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.10% |

| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Ovalue |
|------------------------|------|------|----------|-------|-------|--------|
| 15) Acetone            | 3.85 | 43   | 43520    | 0.315 | ppbv  | # 72   |
| 20) Methylene Chloride | 4.33 | 84   | 12472m   | 0.230 | ppbv  |        |

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

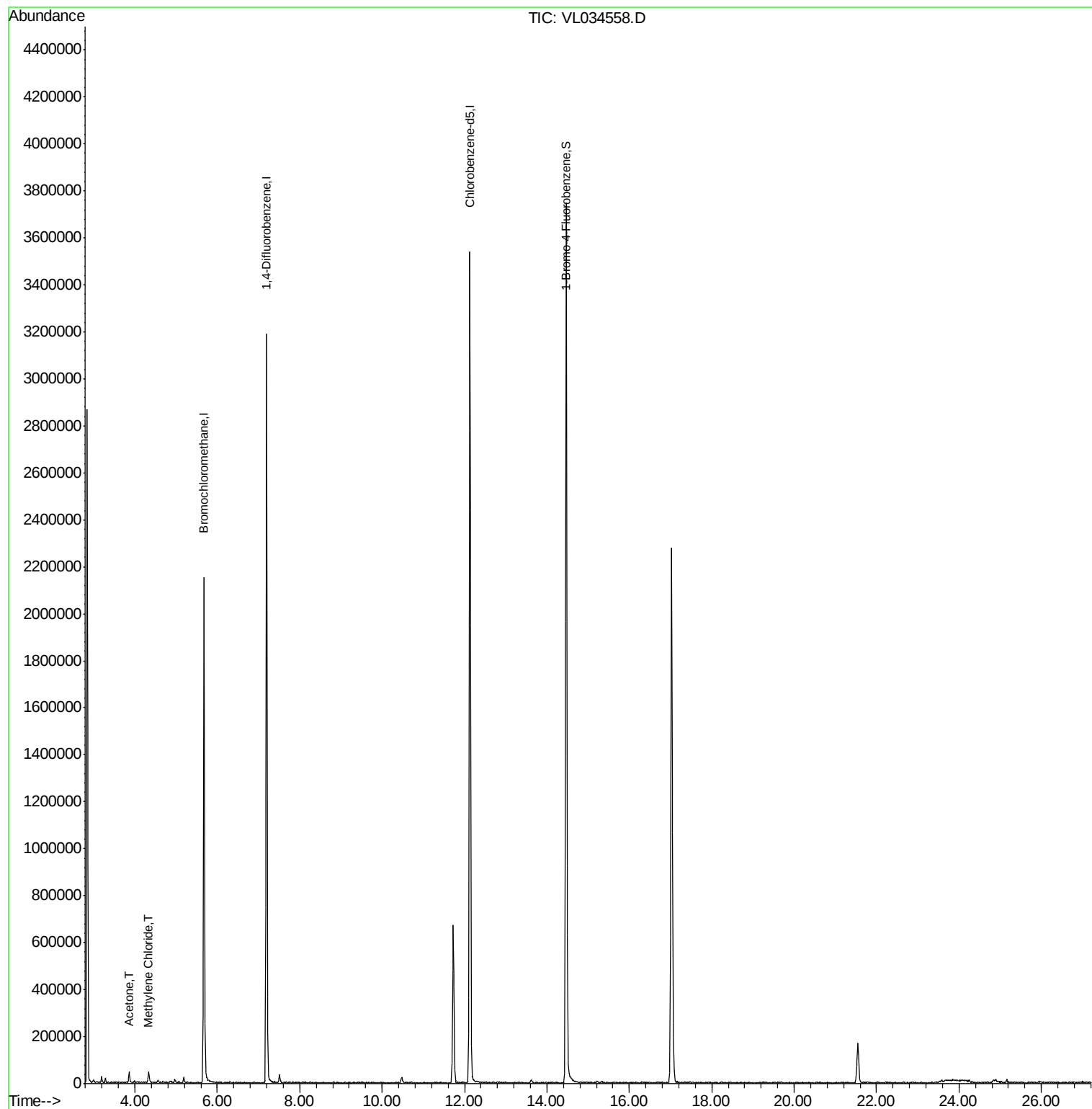
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012720\  
Data File : VL034558.D  
Acq On : 27 Jan 2020 12:20  
Operator : SY/AP  
Sample : VL0127ABL01  
Misc : 400ml/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

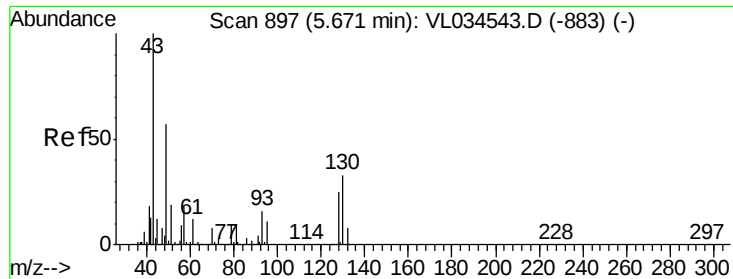
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0127ABL01

Manual Integrations  
APPROVED

MMDadoda  
1/28/2020 2:02:46 PM

Quant Time: Jan 28 00:43:08 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jan  
QLast Update : Thu Jan 09 03:01:19 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL034558.D

Acq: 27 Jan 2020 12:20

Instrument :

MSVOA\_L

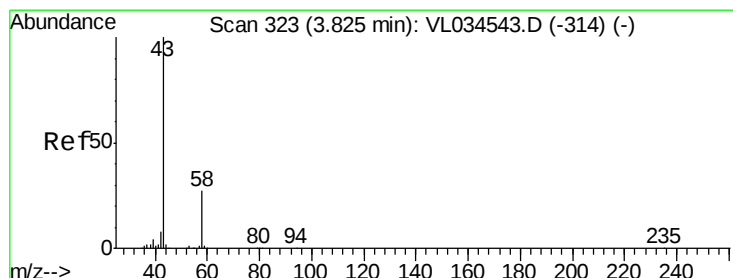
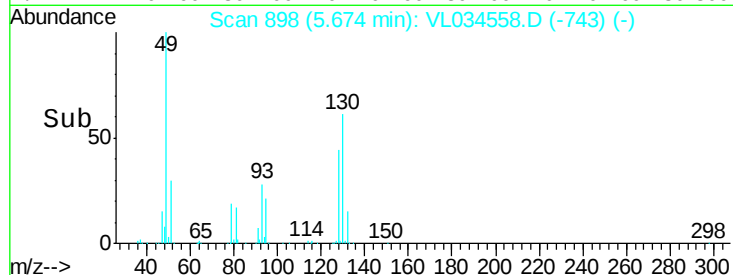
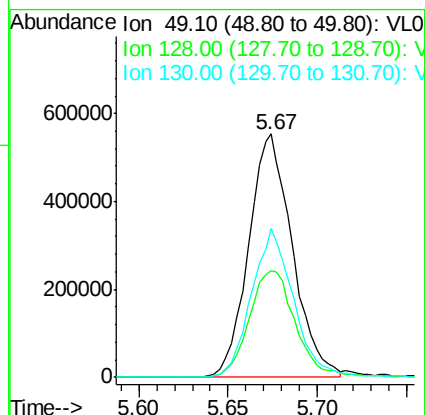
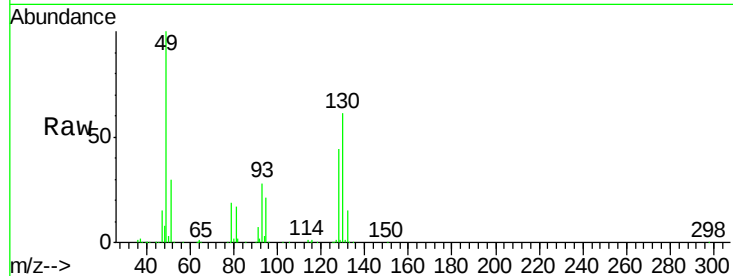
ClientSampleId :

VL0127ABL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 49    | Resp: | 945449 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 128      | 46.9  | 22.4  | 67.2   |
| 130      | 59.6  | 28.3  | 85.0   |

Manual Integrations  
APPROVED

MMDadoda  
1/28/2020 2:02:46 PM



#15

Acetone

Concen: 0.315 ppbv

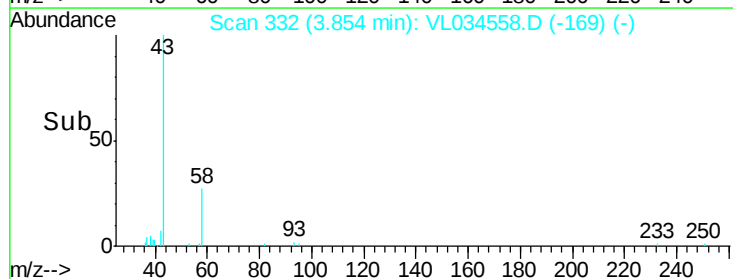
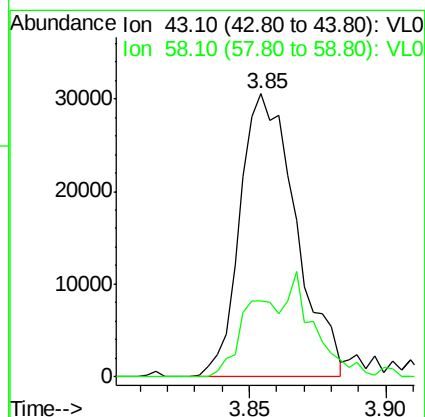
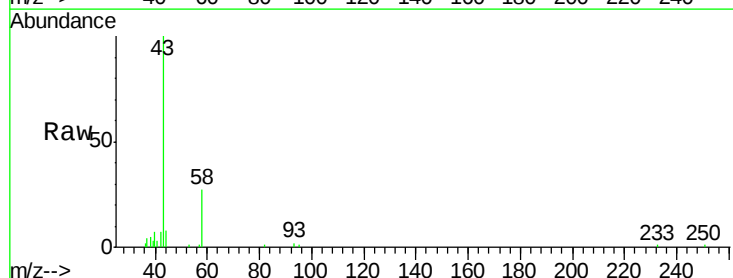
RT: 3.85 min Scan# 332

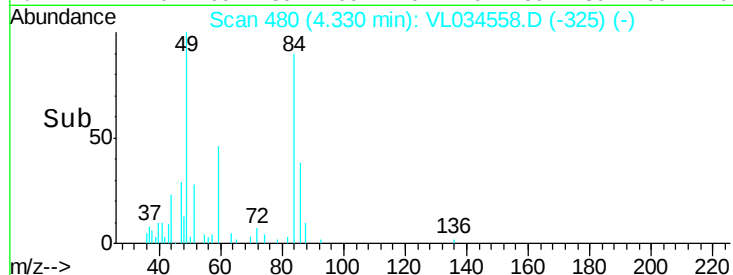
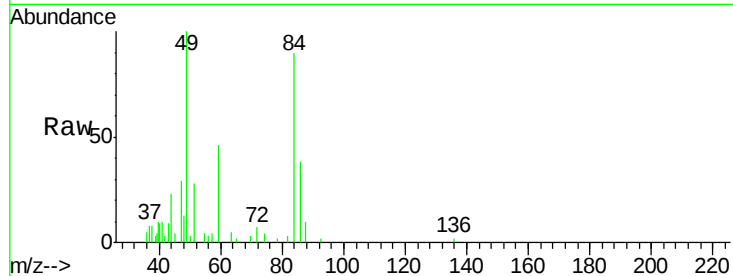
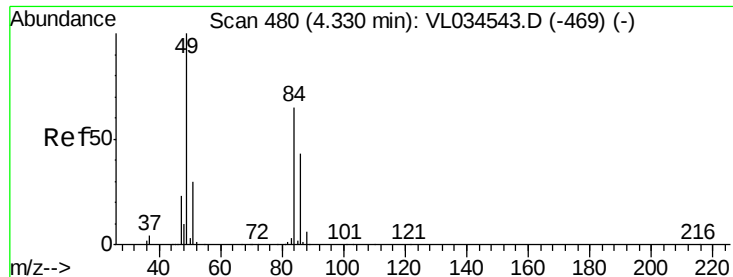
Delta R.T. 0.03 min

Lab File: VL034558.D

Acq: 27 Jan 2020 12:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 43520 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 39.7  | 20.4  | 30.6# |





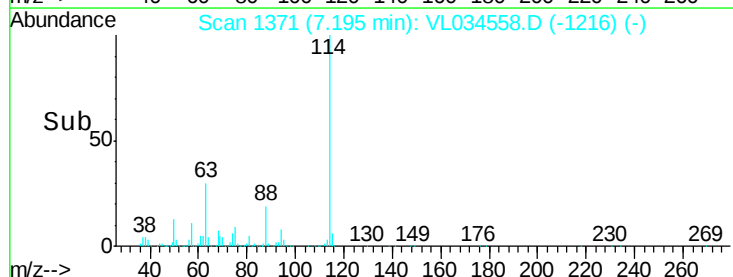
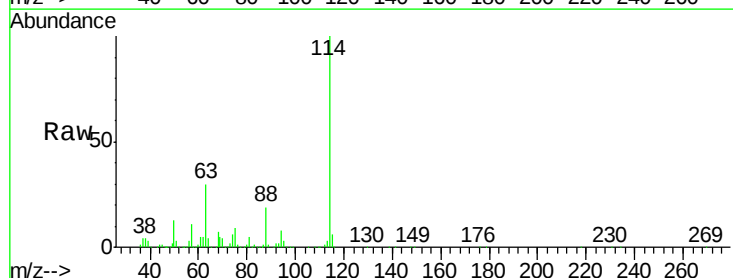
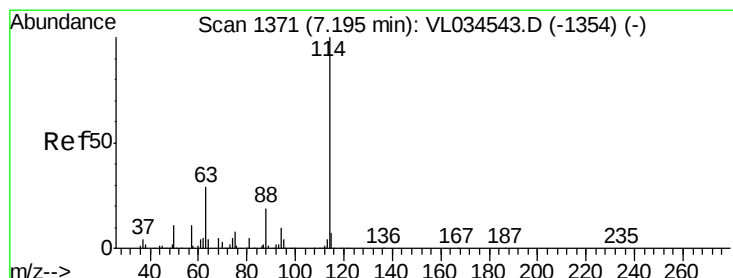
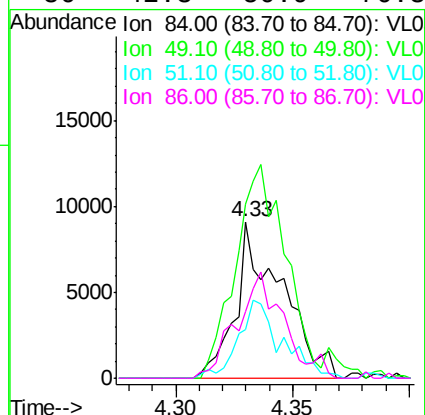
#20  
Methylene Chloride  
Concen: 0.230 ppbv  
RT: 4.33 min Scan# 480  
Delta R.T. -0.00 min  
Lab File: VL034558.D  
Acq: 27 Jan 2020 12:20

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 84      | 100   |       |        |
| 49      | 110.9 | 124.4 | 186.6# |
| 51      | 30.9  | 37.0  | 55.6#  |
| 86      | 42.3  | 50.9  | 76.3#  |

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0127ABL01

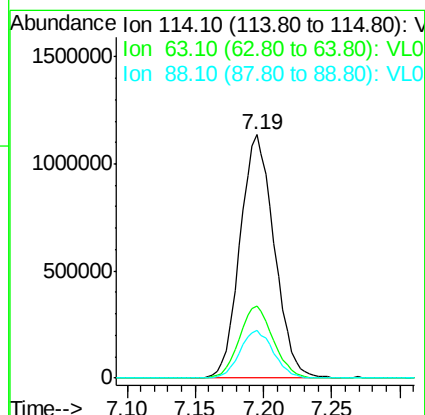
Manual Integrations  
APPROVED

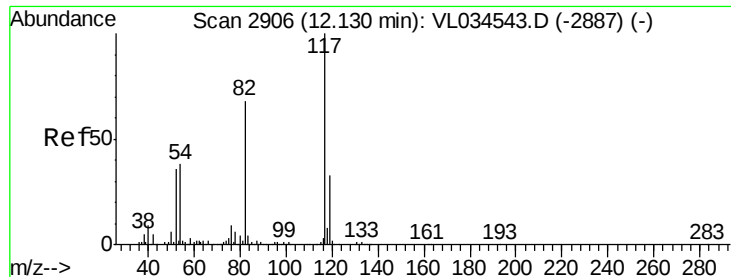
MMDadoda  
1/28/2020 2:02:46 PM



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.19 min Scan# 1371  
Delta R.T. -0.00 min  
Lab File: VL034558.D  
Acq: 27 Jan 2020 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 29.5  | 24.1  | 36.1  |
| 88      | 19.4  | 15.7  | 23.5  |





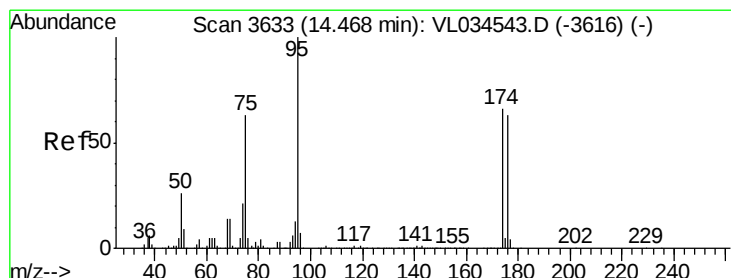
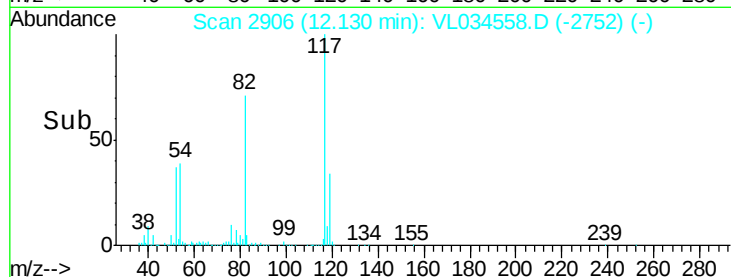
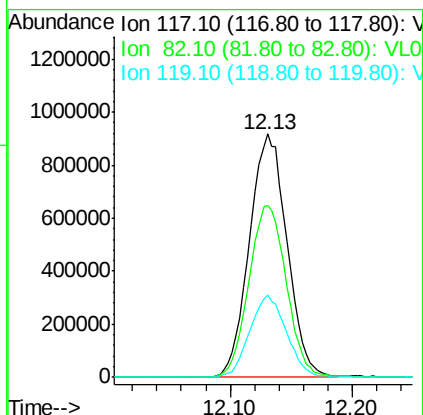
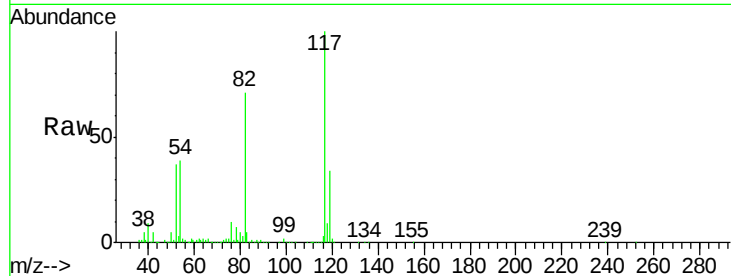
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.13 min Scan# 2906  
Delta R.T. -0.00 min  
Lab File: VL034558.D  
Acq: 27 Jan 2020 12:20

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0127ABL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 70.8  | 56.2  | 84.4  |
| 119     | 33.0  | 27.1  | 40.7  |

Manual Integrations  
APPROVED

MMDadoda  
1/28/2020 2:02:46 PM



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.015 ppbv  
RT: 14.46 min Scan# 3632  
Delta R.T. -0.00 min  
Lab File: VL034558.D  
Acq: 27 Jan 2020 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 65.1  | 52.4  | 78.6  |
| 175     | 4.5   | 3.9   | 5.9   |

