

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\  
 Data File : VL034406.D  
 Acq On : 25 Nov 2019 15:02  
 Operator : SY/AP  
 Sample : K5971-01DL 10X  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1DL

Quant Time: Nov 29 11:59:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue Nov 19 14:15:35 2019  
 QLast Update : Tue Nov 19 14:15:35 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 987429   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 1981256  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.14 | 117  | 1904679  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.47  | 95    | 1606482  | 10.03    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.30% |

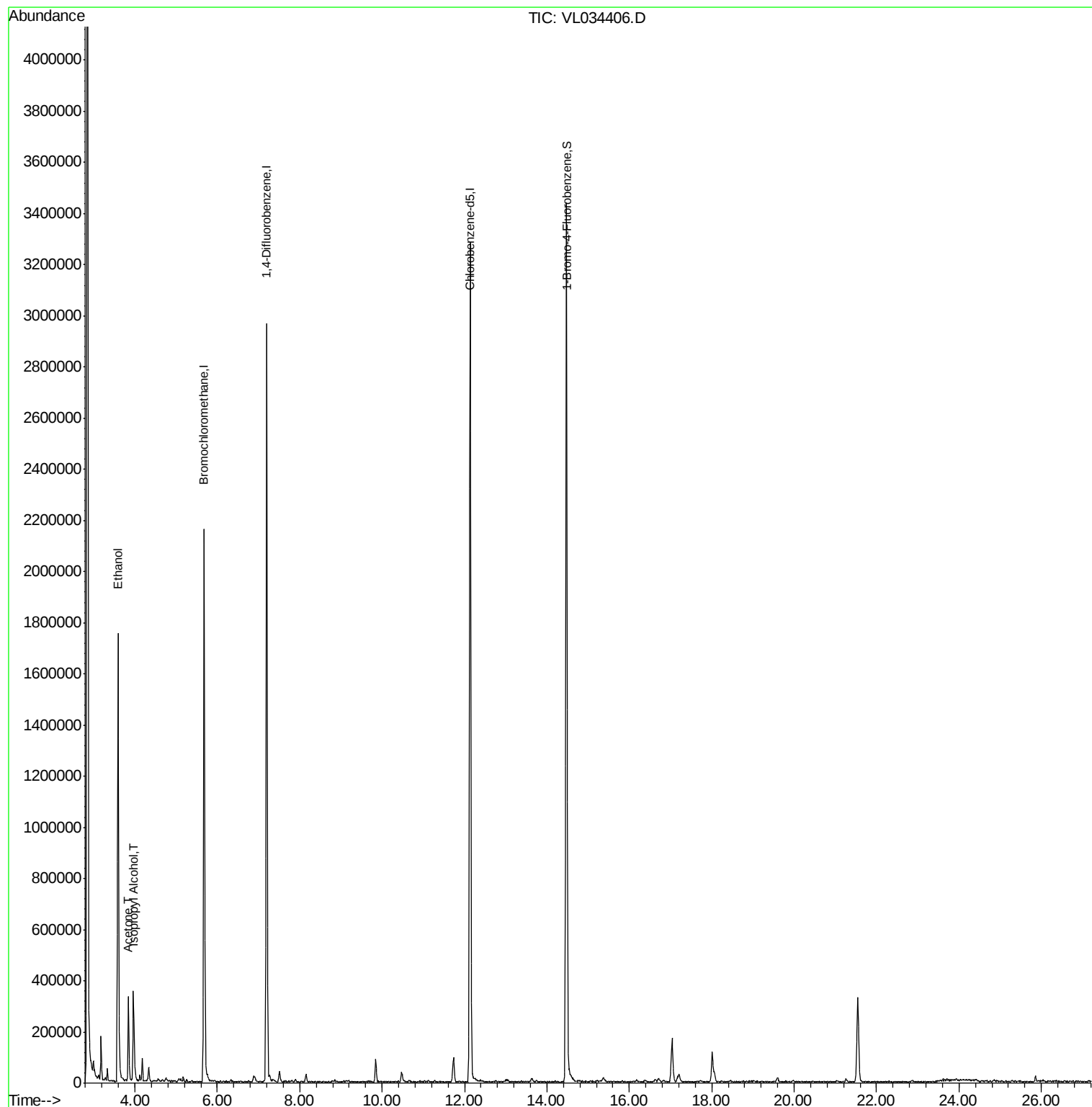
| Target Compounds      | R.T. | QIon | Response | Conc    | Units | Ovalue |
|-----------------------|------|------|----------|---------|-------|--------|
| 13) Ethanol           | 3.59 | 45   | 1845802  | 121.144 | ppbv  | 96     |
| 15) Acetone           | 3.84 | 43   | 311250   | 2.201   | ppbv  | 99     |
| 19) Isopropyl Alcohol | 3.96 | 45   | 433087m  | 4.779   | ppbv  |        |

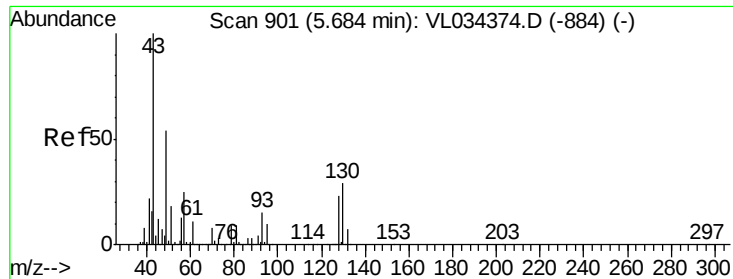
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 19 14:15:35 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL034406.D

Acq: 25 Nov 2019 15:02

Instrument :

MSVOA\_L

ClientSampleId :

1DL

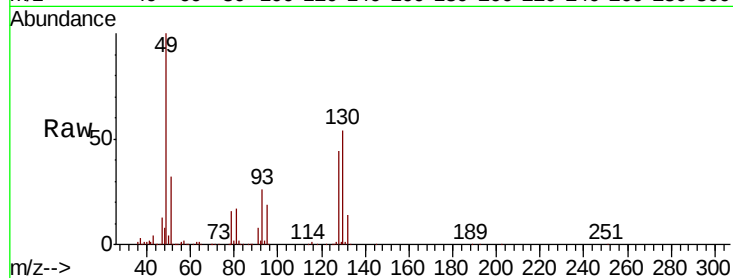
Tot Ion: 49 Resp: 987429

Ion Ratio Lower Upper

49 100

128 43.2 21.8 65.3

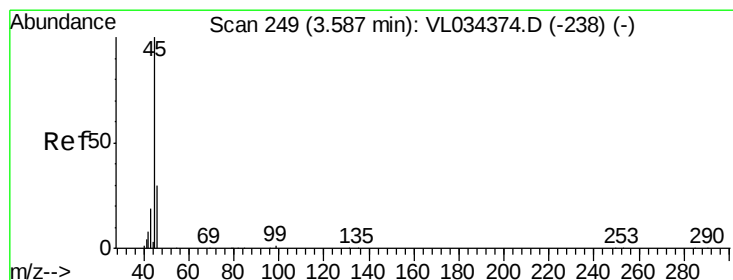
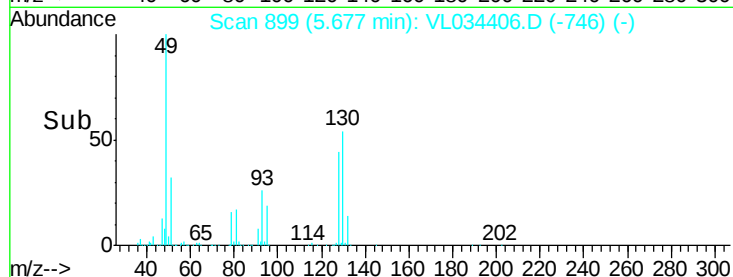
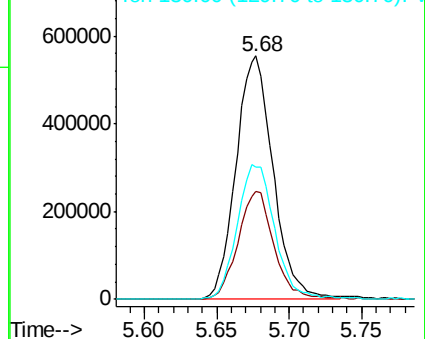
130 56.7 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 121.144 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.00 min

Lab File: VL034406.D

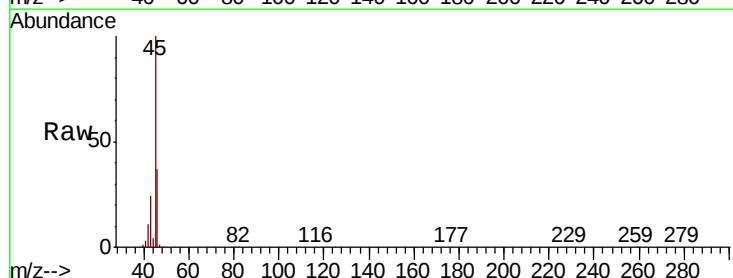
Acq: 25 Nov 2019 15:02

Tgt Ion: 45 Resp: 1845802

Ion Ratio Lower Upper

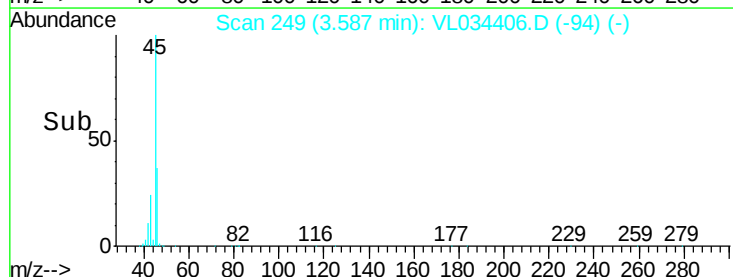
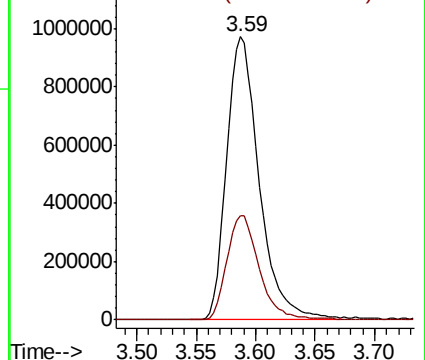
45 100

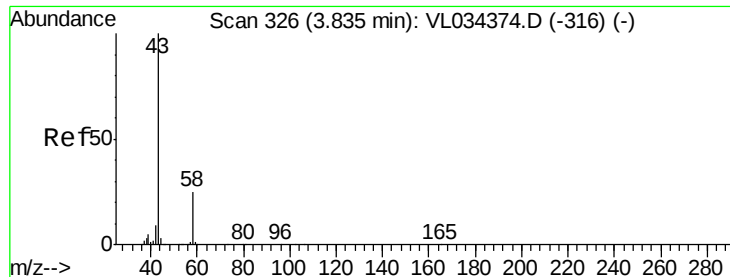
46 36.7 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 2.201 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL034406.D

Acq: 25 Nov 2019 15:02

Instrument :

MSVOA\_L

ClientSampleId :

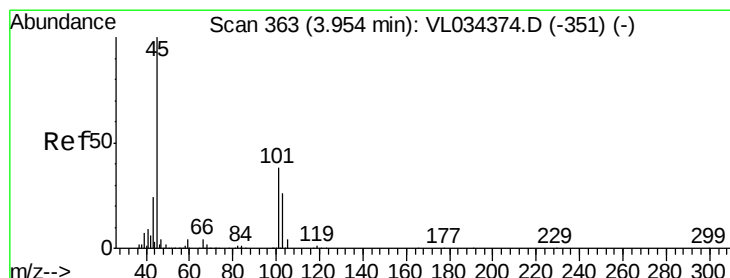
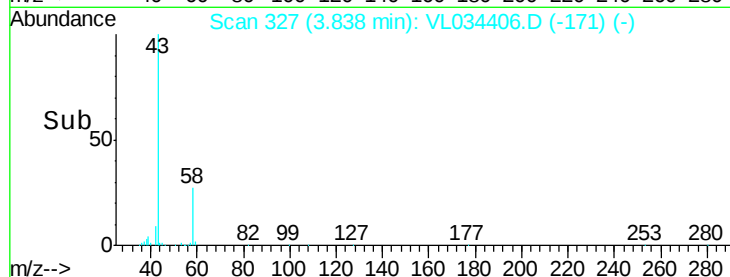
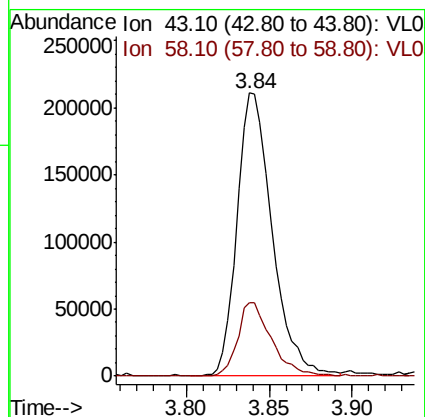
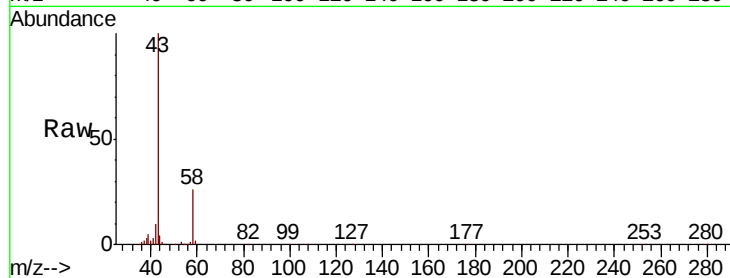
1DL

Tot Ion: 43 Resp: 311250

Ion Ratio Lower Upper

43 100

58 25.6 20.2 30.4



#19

Isopropyl Alcohol

Concen: 4.779 ppbv m

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL034406.D

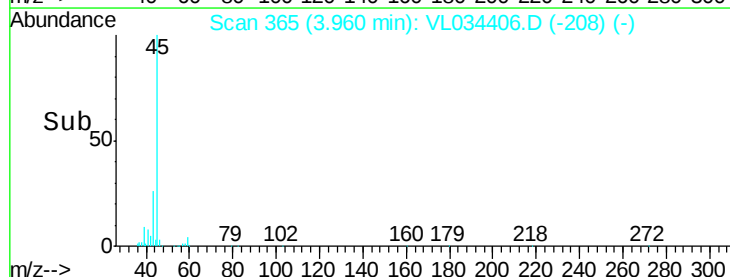
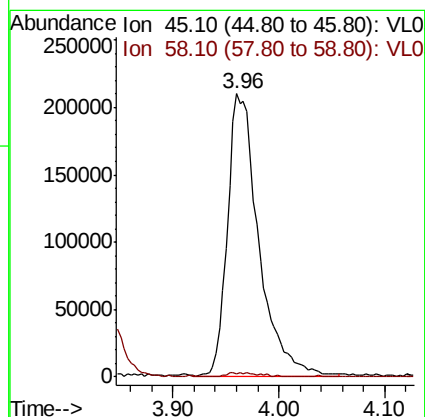
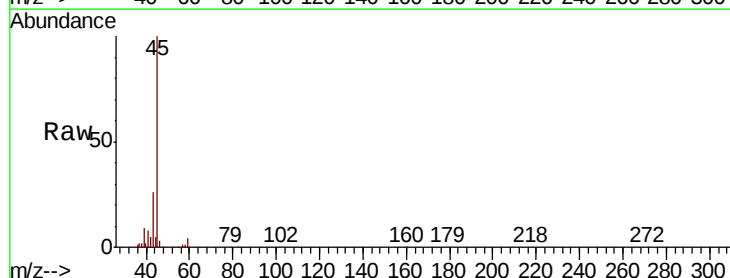
Acq: 25 Nov 2019 15:02

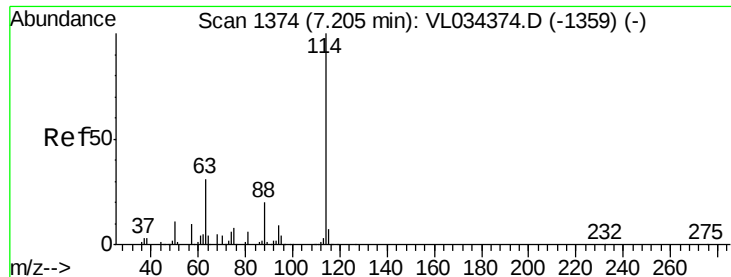
Tgt Ion: 45 Resp: 433087

Ion Ratio Lower Upper

45 100

58 0.0 1.3 1.9#

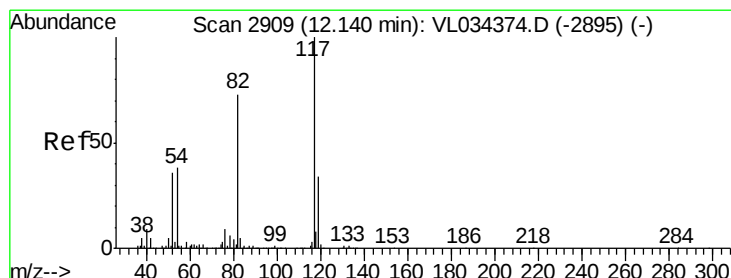
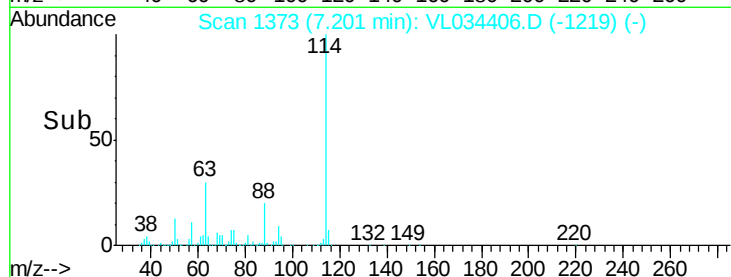
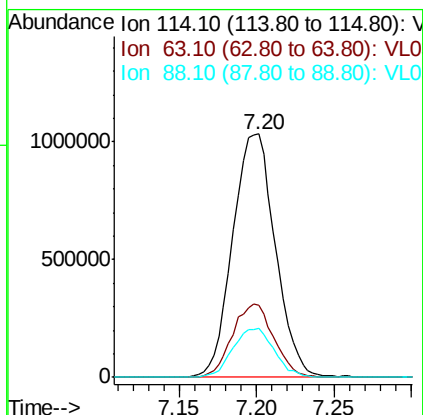
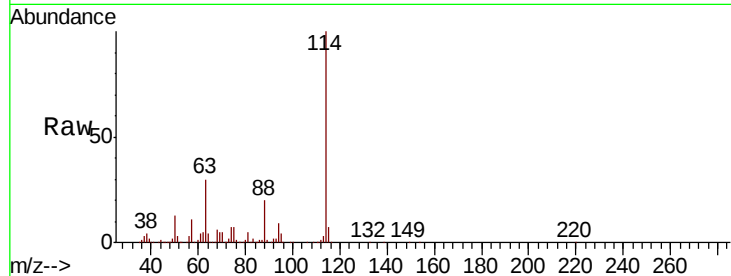




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.20 min Scan# 1373  
 Delta R.T. -0.00 min  
 Lab File: VL034406.D  
 Acq: 25 Nov 2019 15:02

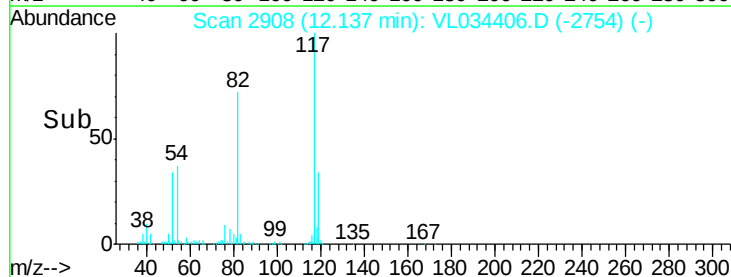
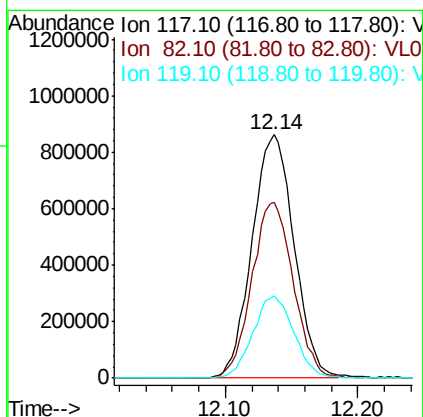
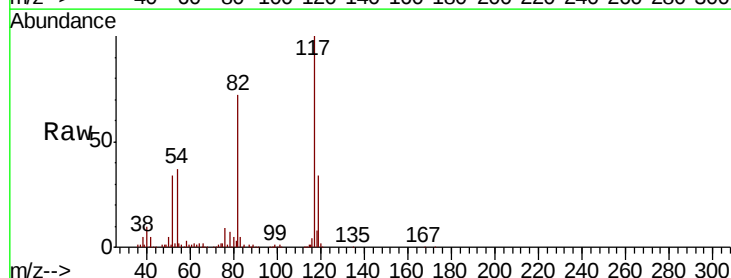
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1DL

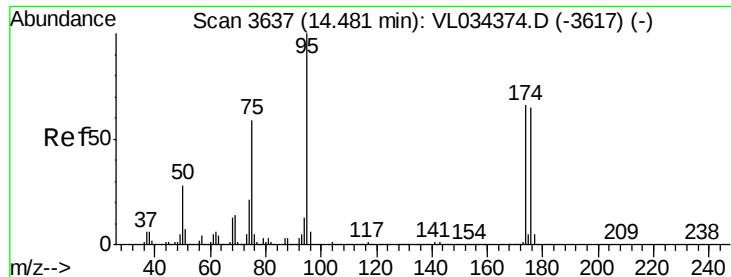
Tot Ion:114 Resp: 1981256  
 Ion Ratio Lower Upper  
 114 100  
 63 29.3 24.2 36.4  
 88 19.8 15.9 23.9



#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.14 min Scan# 2908  
 Delta R.T. -0.00 min  
 Lab File: VL034406.D  
 Acq: 25 Nov 2019 15:02

Tgt Ion:117 Resp: 1904679  
 Ion Ratio Lower Upper  
 117 100  
 82 71.7 57.5 86.3  
 119 33.1 25.4 38.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.026 ppbv

RT: 14.47 min Scan# 3634

Delta R.T. -0.01 min

Lab File: VL034406.D

Acq: 25 Nov 2019 15:02

Instrument :

MSVOA\_L

ClientSampleId :

1DL

Tot Ion: 95 Resp: 1606482

Ion Ratio Lower Upper

95 100

174 66.3 52.2 78.2

175 4.7 3.8 5.8

