

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL031319\  
 Data File : VL033311.D  
 Acq On : 14 Mar 2019 11:35  
 Operator : SY/AP  
 Sample : QC031219 CAN 10060  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC031219 CAN 10060

Quant Time: Mar 15 02:05:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL031319AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 14 00:01:31 2019  
 QLast Update : Thu Mar 14 00:01:31 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.76  | 49   | 729200   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.29  | 114  | 1716459  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.24 | 117  | 1779864  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.57  | 95    | 1393090  | 10.25    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.50% |

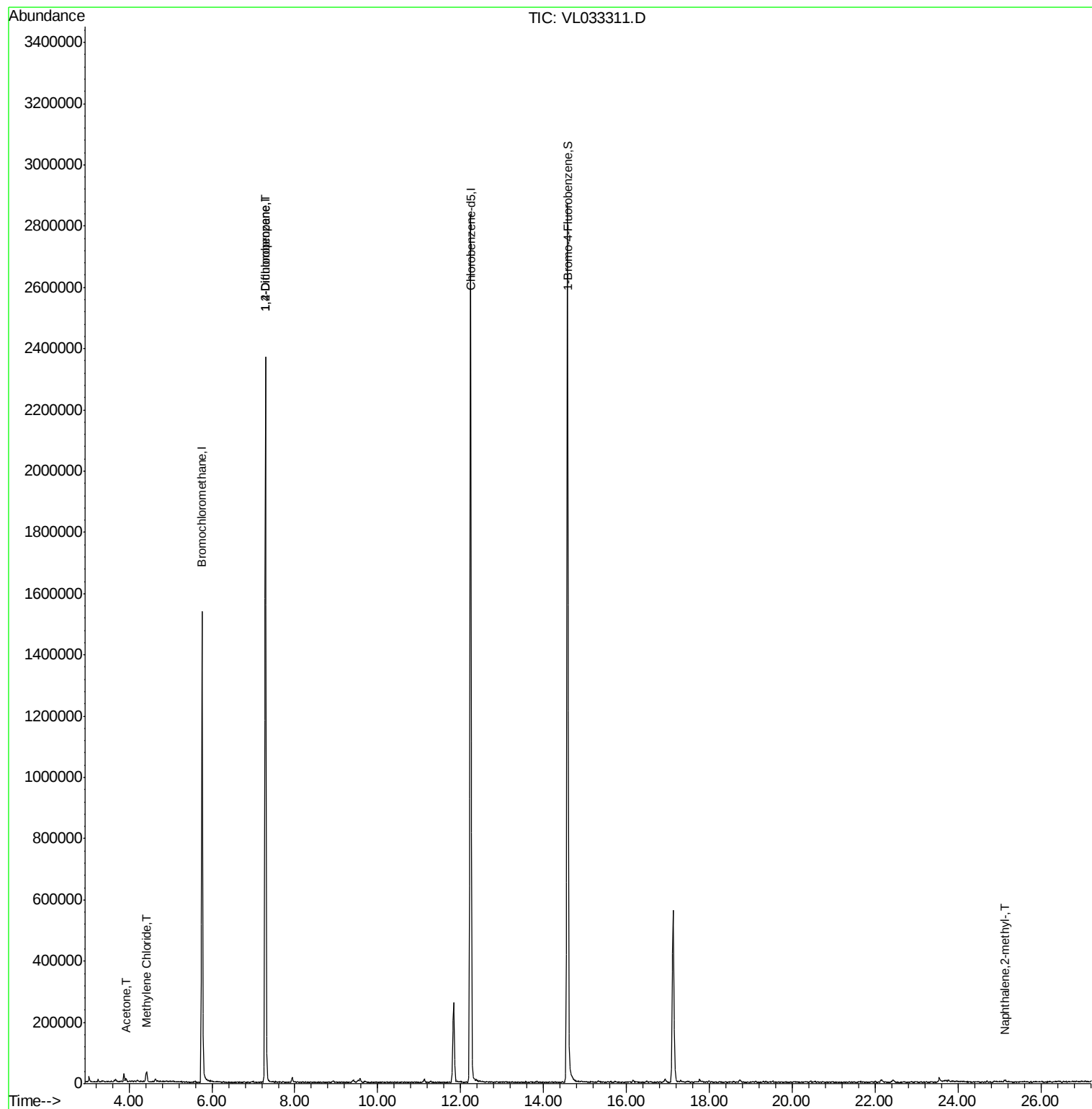
| Target Compounds          | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|---------------------------|-------|------|----------|-------|--------|--------|
| 15) Acetone               | 3.92  | 43   | 11092    | 0.111 | ppbv # | 85     |
| 20) Methylene Chloride    | 4.41  | 84   | 9008     | 0.222 | ppbv # | 80     |
| 39) 1,2-Dichloropropane   | 7.29  | 63   | 447111   | 6.907 | ppbv # | 24     |
| 80) Naphthalene,2-methyl- | 25.13 | 142  | 4752     | 0.097 | ppbv   | 96     |

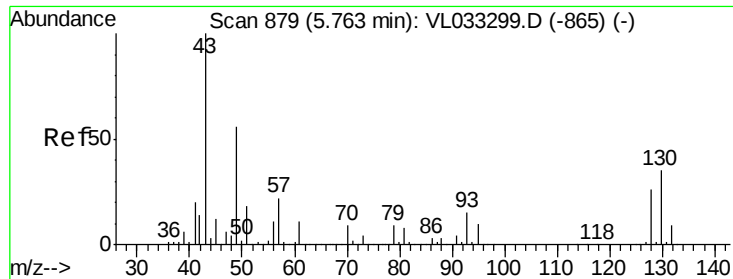
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_L\DATA\VL031319\  
Data File : VL033311.D  
Acq On : 14 Mar 2019 11:35  
Operator : SY/AP  
Sample : QC031219 CAN 10060  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC031219 CAN 10060

Quant Time: Mar 15 02:05:28 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_L\METHODS\VL031319AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 14 00:01:31 2019  
QLast Update : Thu Mar 14 00:01:31 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033311.D

Acq: 14 Mar 2019 11:35

Instrument :

MSVOA\_L

ClientSampleId :

QC031219 CAN 10060

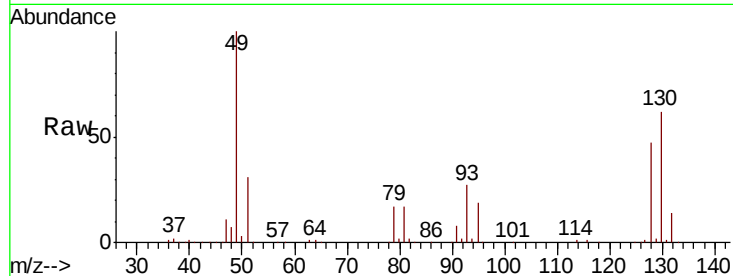
Tgt Ion: 49 Resp: 729200

Ion Ratio Lower Upper

49 100

128 47.3 23.4 70.3

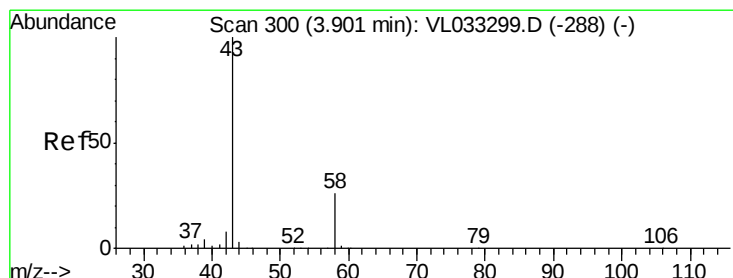
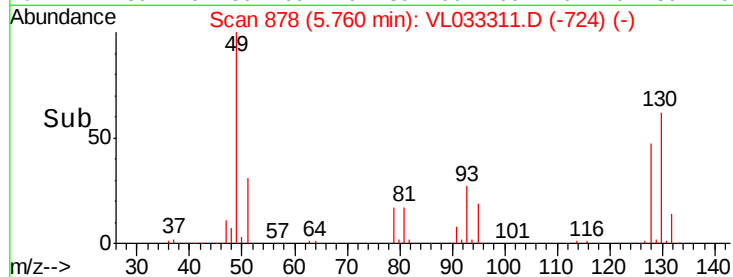
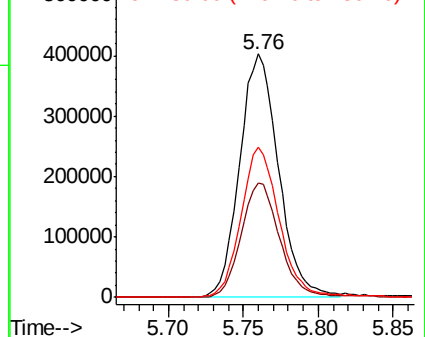
130 61.4 29.9 89.7



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: 0.111 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.02 min

Lab File: VL033311.D

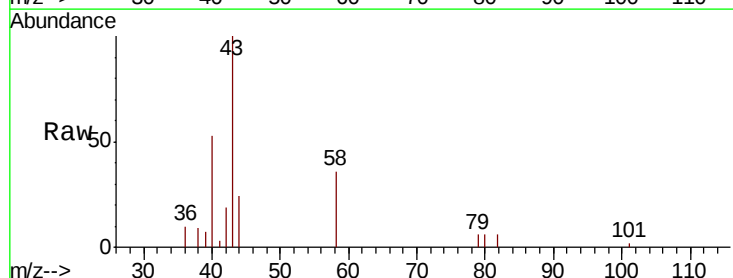
Acq: 14 Mar 2019 11:35

Tgt Ion: 43 Resp: 11092

Ion Ratio Lower Upper

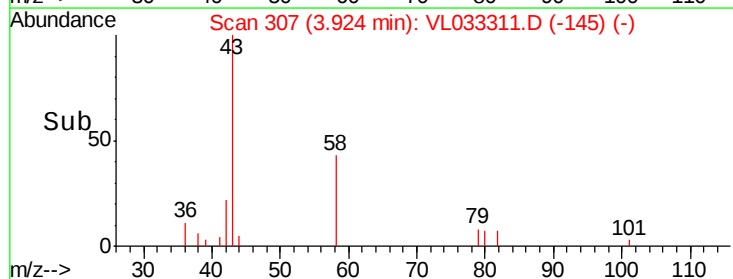
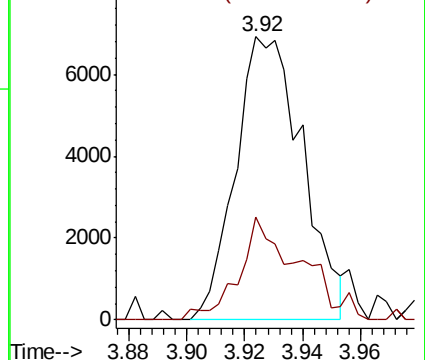
43 100

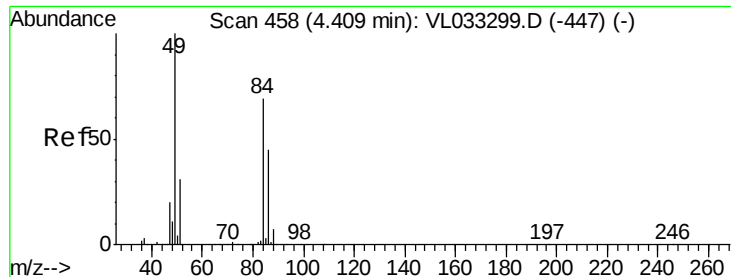
58 33.6 20.6 31.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.222 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033311.D

Acq: 14 Mar 2019 11:35

Instrument :

MSVOA\_L

ClientSampleId :

QC031219 CAN 10060

Tgt Ion: 84 Resp: 9008

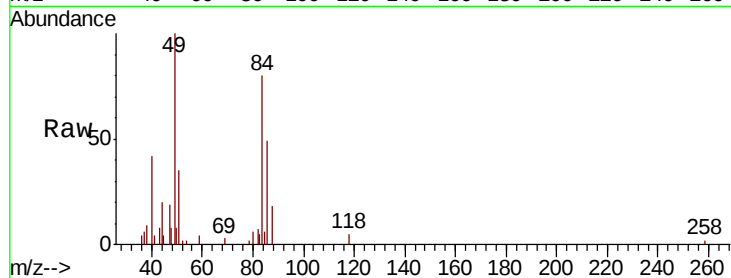
Ion Ratio Lower Upper

84 100

49 109.9 115.4 173.2#

51 40.8 35.7 53.5

86 57.0 52.6 78.8

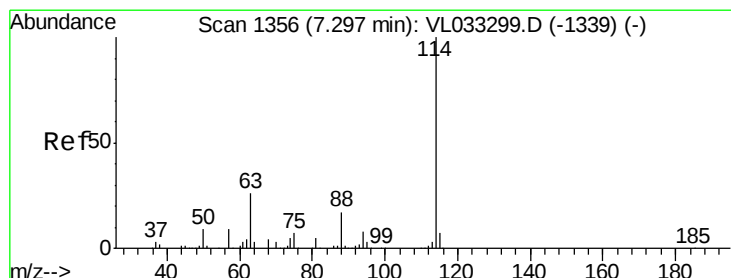
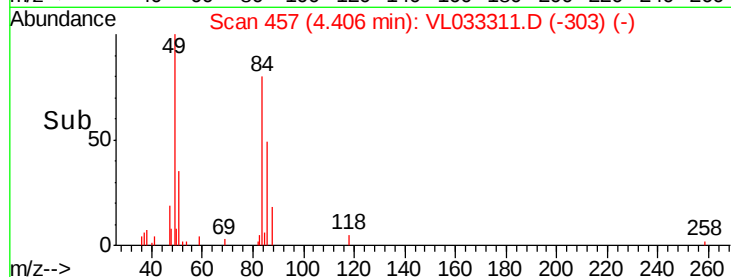
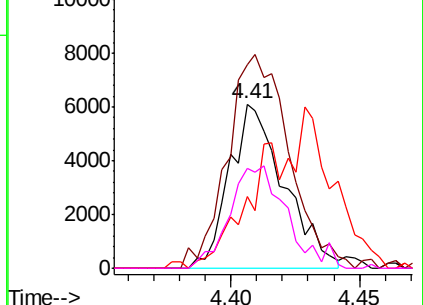


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL033311.D

Acq: 14 Mar 2019 11:35

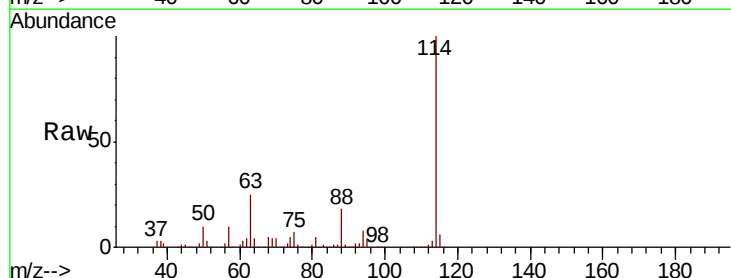
Tgt Ion: 114 Resp: 1716459

Ion Ratio Lower Upper

114 100

63 26.2 21.3 31.9

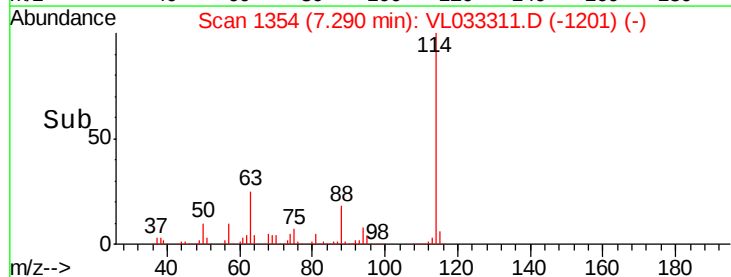
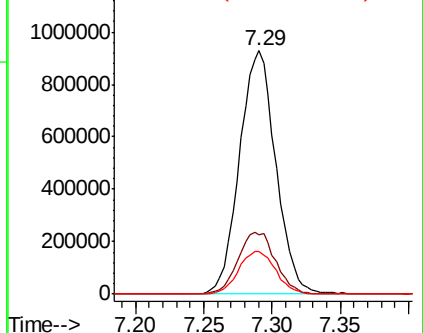
88 17.9 14.5 21.7

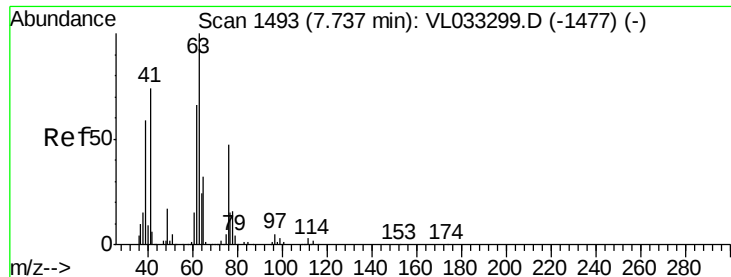


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

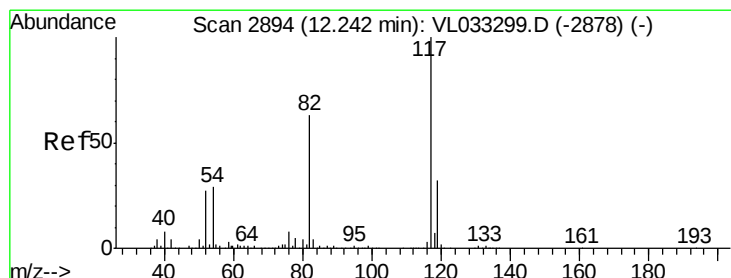
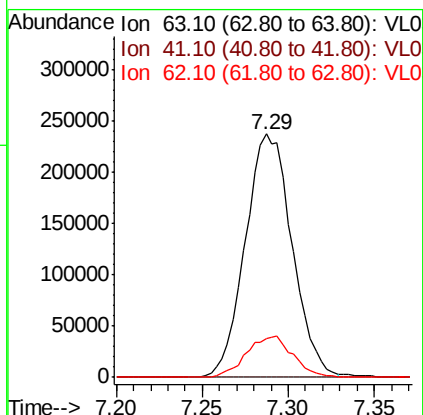
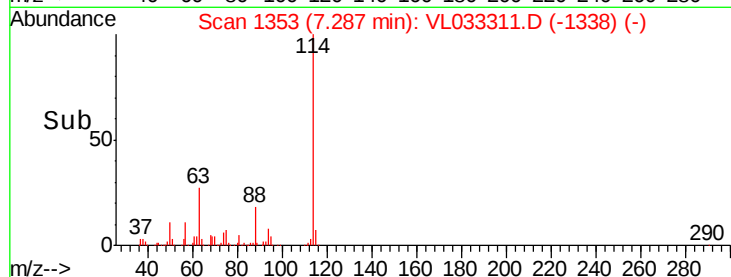
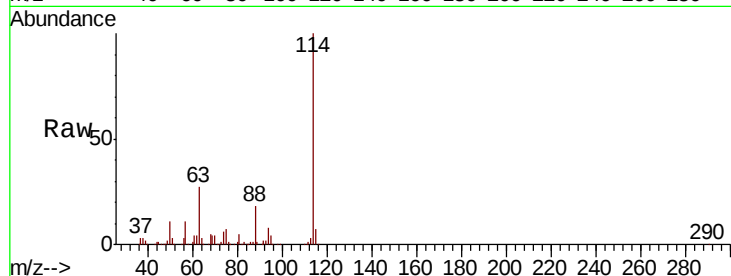




#39  
 1,2-Dichloropropane  
 Concen: 6.907 ppbv  
 RT: 7.29 min Scan# 1353  
 Delta R.T. -0.45 min  
 Lab File: VL033311.D  
 Acq: 14 Mar 2019 11:35

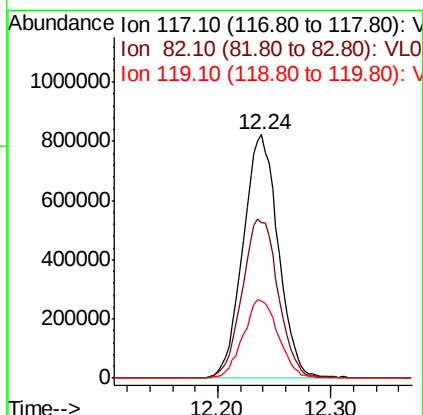
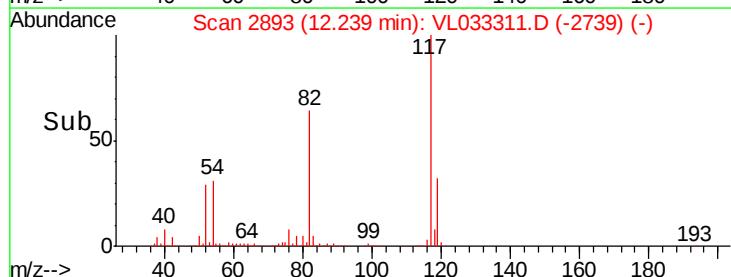
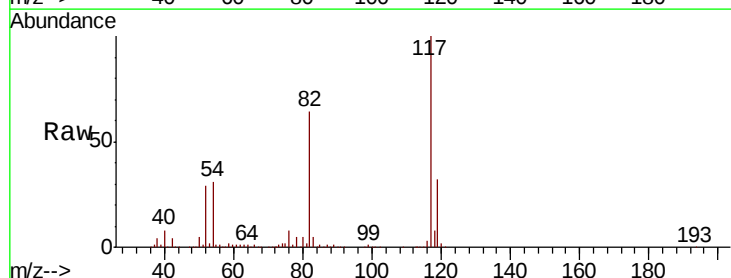
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC031219 CAN 10060

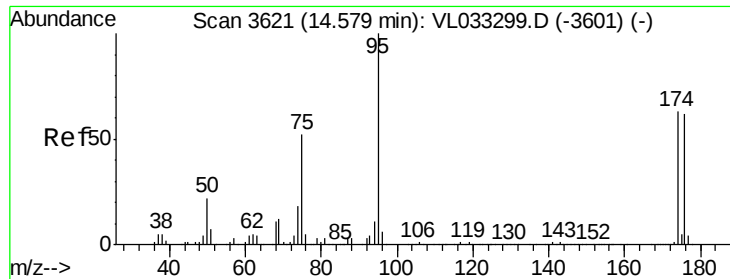
Tgt Ion: 63 Resp: 447111  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 59.0 88.4#  
 62 15.9 53.0 79.4#



#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.24 min Scan# 2893  
 Delta R.T. -0.00 min  
 Lab File: VL033311.D  
 Acq: 14 Mar 2019 11:35

Tgt Ion: 117 Resp: 1779864  
 Ion Ratio Lower Upper  
 117 100  
 82 67.4 51.3 76.9  
 119 32.4 27.0 40.4

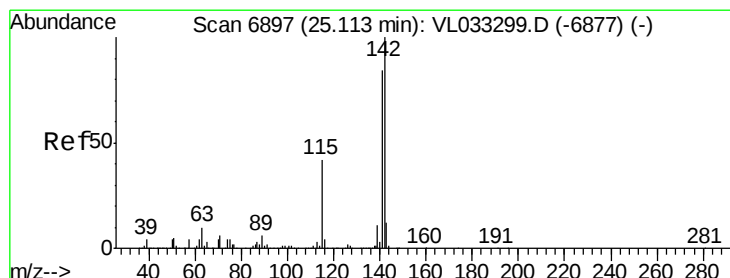
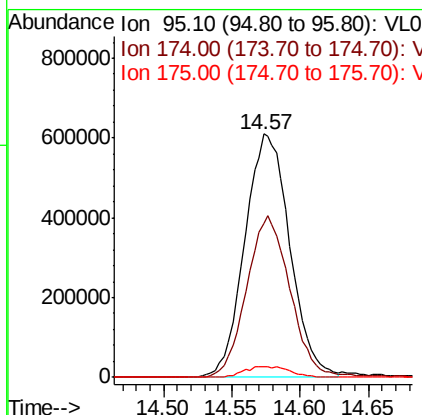
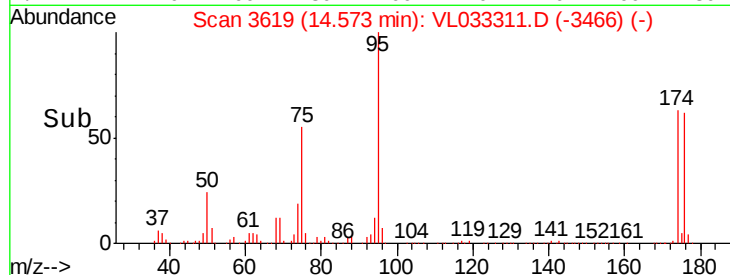
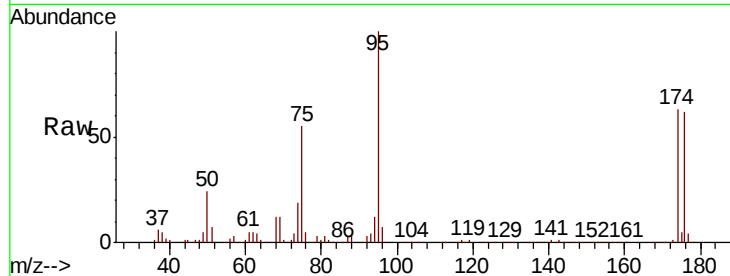




#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.249 ppbv  
 RT: 14.57 min Scan# 3619  
 Delta R.T. -0.01 min  
 Lab File: VL033311.D  
 Acq: 14 Mar 2019 11:35

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC031219 CAN 10060

Tgt Ion: 95 Resp: 1393090  
 Ion Ratio Lower Upper  
 95 100  
 174 65.1 51.9 77.9  
 175 4.6 3.9 5.9



#80  
 Naphthalene, 2-methyl-  
 Concen: 0.097 ppbv  
 RT: 25.13 min Scan# 6902  
 Delta R.T. 0.02 min  
 Lab File: VL033311.D  
 Acq: 14 Mar 2019 11:35

Tgt Ion: 142 Resp: 4752  
 Ion Ratio Lower Upper  
 142 100  
 141 82.2 67.2 100.8  
 115 46.1 33.6 50.4

