

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\  
 Data File : VL036987.D  
 Acq On : 19 May 2021 11:47  
 Operator : SY/AP  
 Sample : OC042221 CAN 10663  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC042221 CAN 10663

Quant Time: May 20 06:27:30 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue May 18 12:00:15 2021  
 QLast Update : Tue May 18 12:00:15 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.64  | 49   | 1324692  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 3812582  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 3437406  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2607476  | 10.10    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.00% |

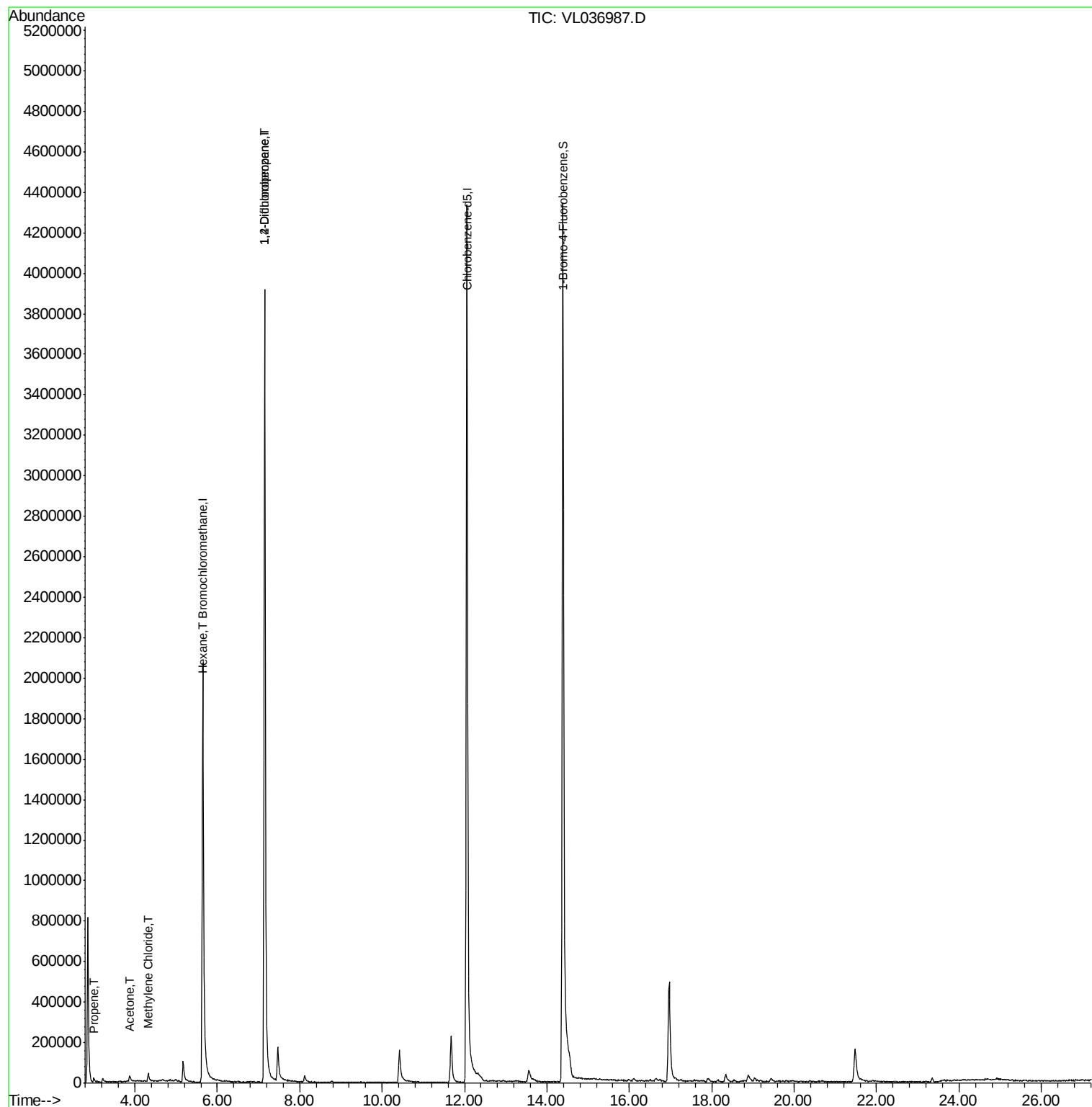
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.00 | 41   | 3169     | 0.036 | ppbv # | 16     |
| 15) Acetone             | 3.86 | 43   | 27700    | 0.204 | ppbv # | 1      |
| 20) Methylene Chloride  | 4.32 | 84   | 8489     | 0.117 | ppbv # | 82     |
| 26) Hexane              | 5.66 | 57   | 7176     | 0.043 | ppbv # | 39     |
| 39) 1,2-Dichloropropane | 7.15 | 63   | 871151   | 6.886 | ppbv # | 25     |

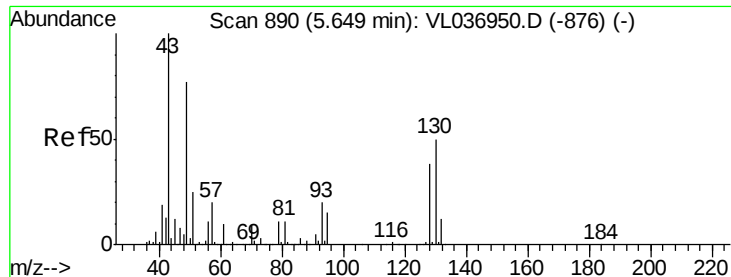
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 18 12:00:15 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

Lab File: VL036987.D

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Instrument :

MSVOA\_L

ClientSampleId :

QC042221 CAN 10663

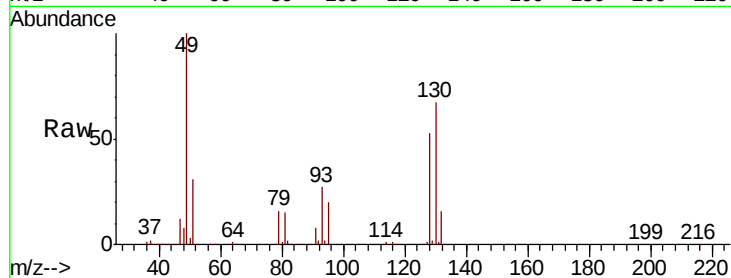
Tot Ion: 49 Resp: 1324692

Ion Ratio Lower Upper

49 100

128 54.2 26.9 80.7

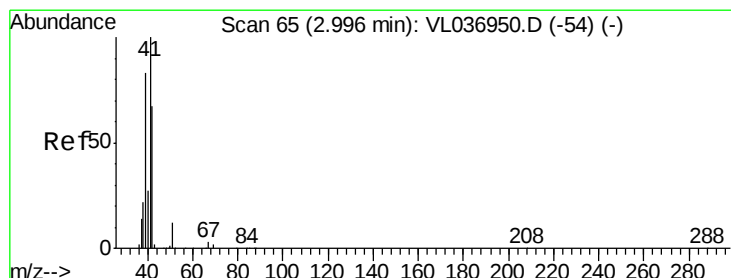
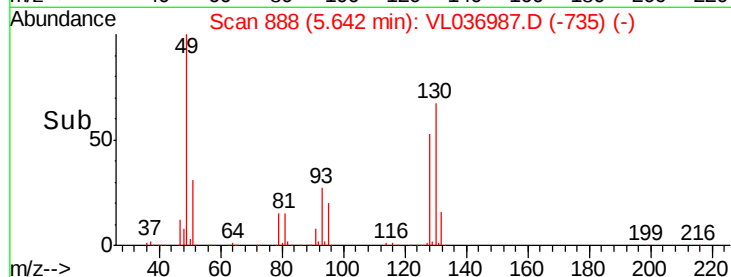
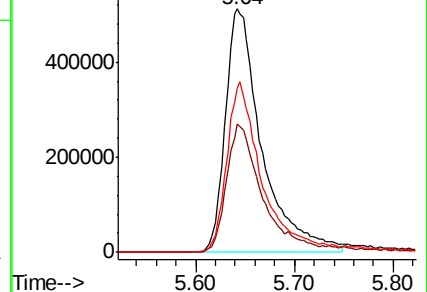
130 70.5 33.8 101.4



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



#9

Propene

Concen: 0.036 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL036987.D

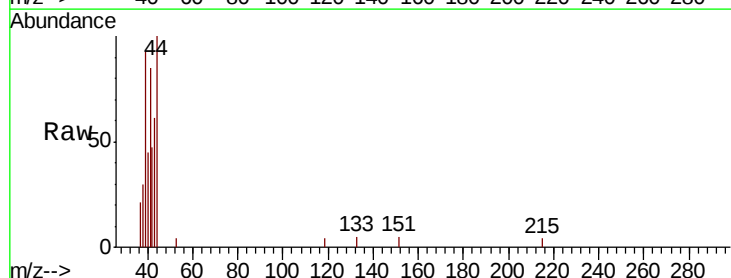
Acq: 19 May 2021 11:47

Tgt Ion: 41 Resp: 3169

Ion Ratio Lower Upper

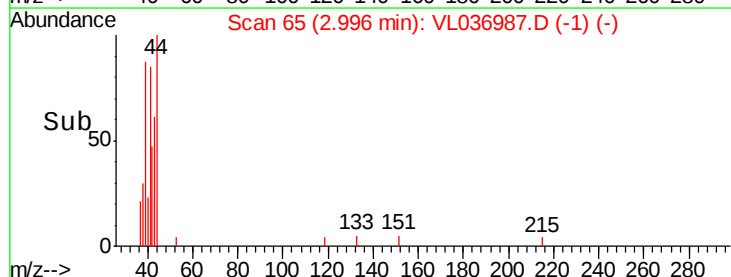
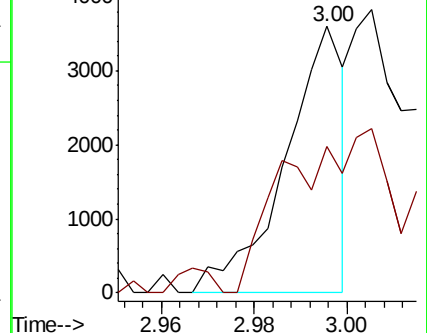
41 100

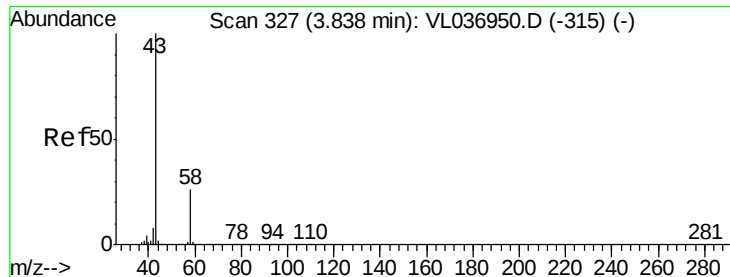
42 0.0 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.204 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL036987.D

Acq: 19 May 2021 11:47

Instrument :

MSVOA\_L

ClientSampleId :

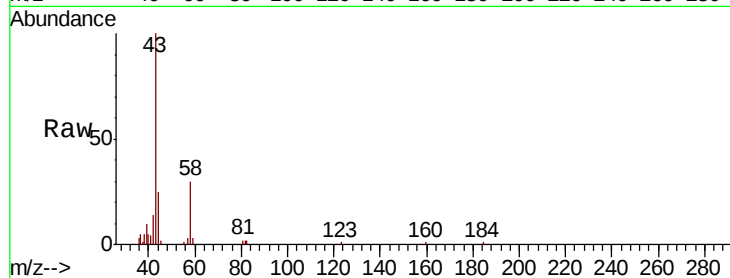
QC042221 CAN 10663

Tot Ion: 43 Resp: 27700

Ion Ratio Lower Upper

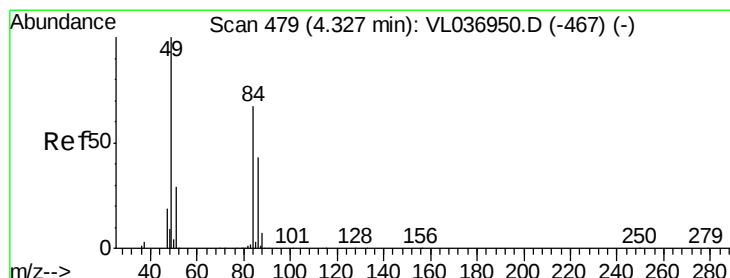
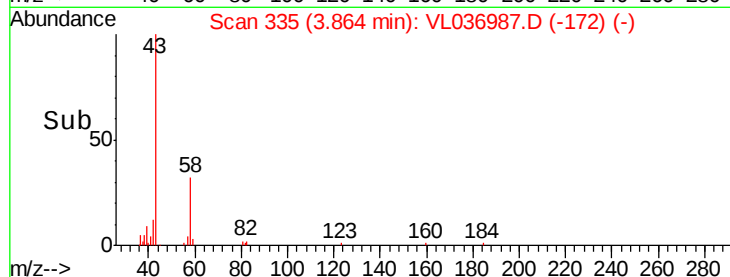
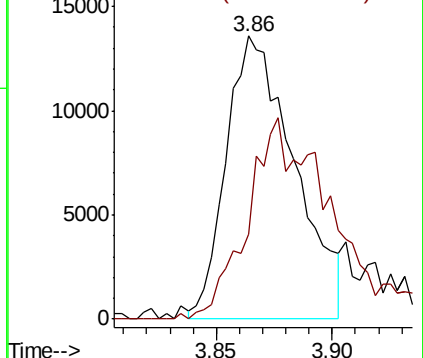
43 100

58 96.1 24.0 36.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.117 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.01 min

Lab File: VL036987.D

Acq: 19 May 2021 11:47

Tgt Ion: 84 Resp: 8489

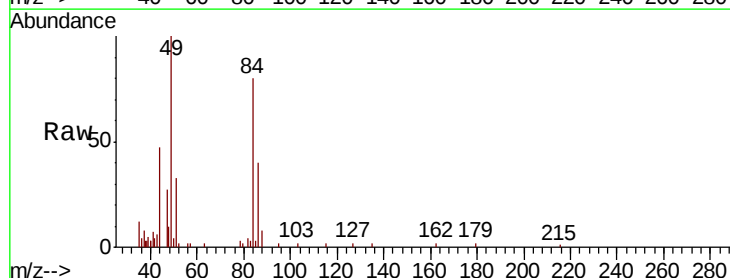
Ion Ratio Lower Upper

84 100

49 124.5 119.8 179.6

51 37.9 35.1 52.7

86 47.9 50.9 76.3#

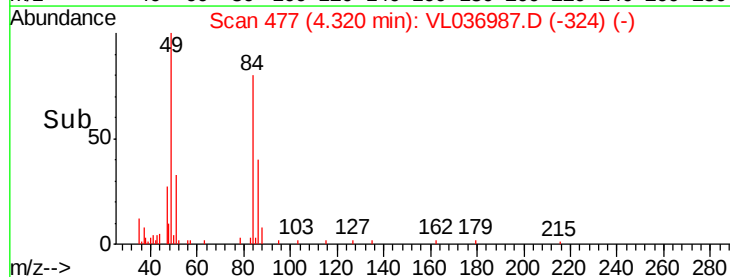
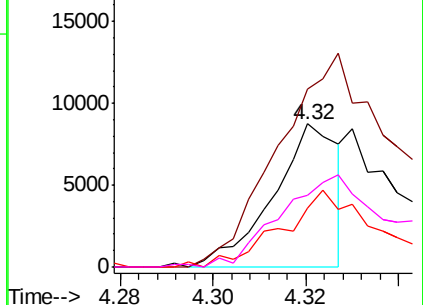


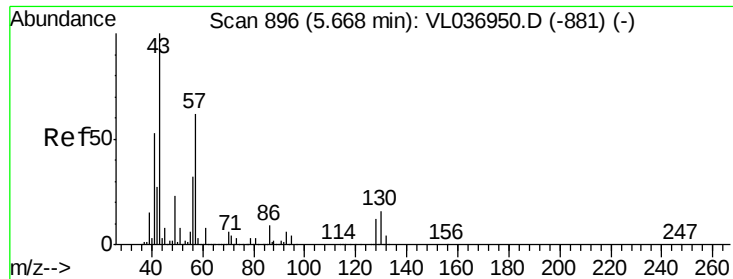
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

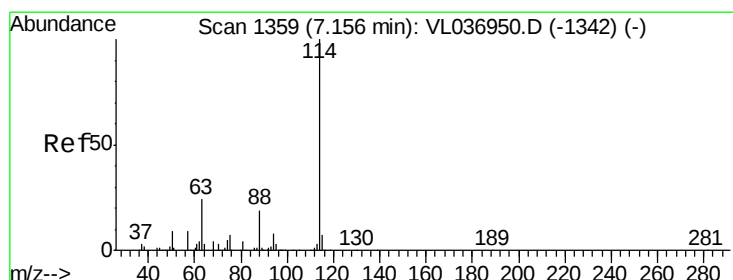
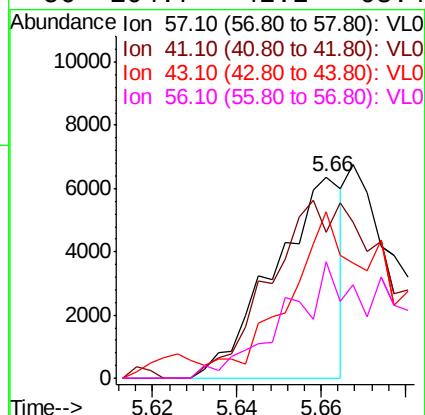
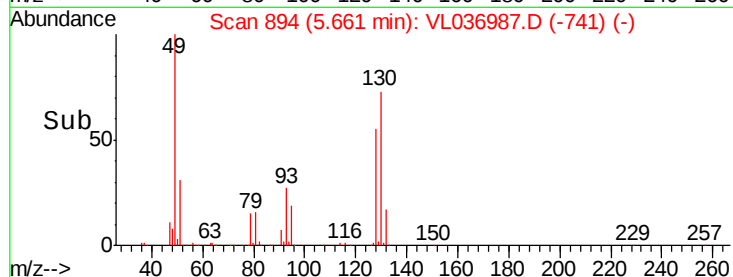
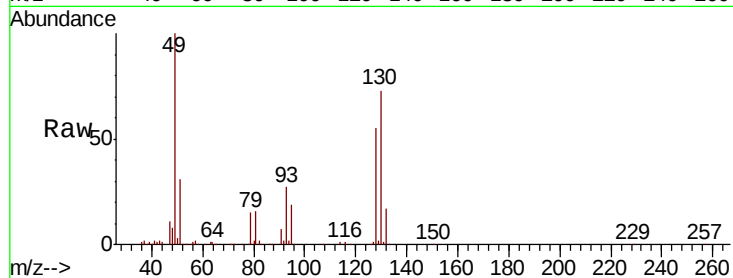




#26  
Hexane  
Concen: 0.043 ppbv  
RT: 5.66 min Scan# 894  
Delta R.T. -0.01 min  
Lab File: VL036987.D  
Acq: 19 May 2021 11:47

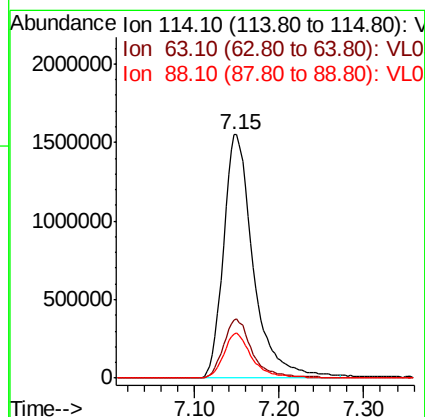
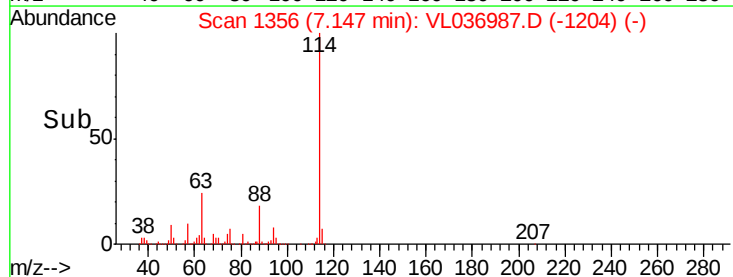
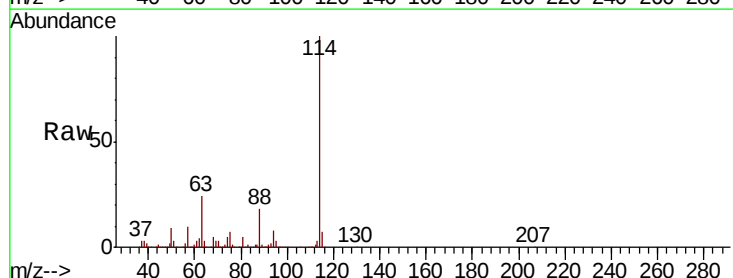
Instrument :  
MSVOA\_L  
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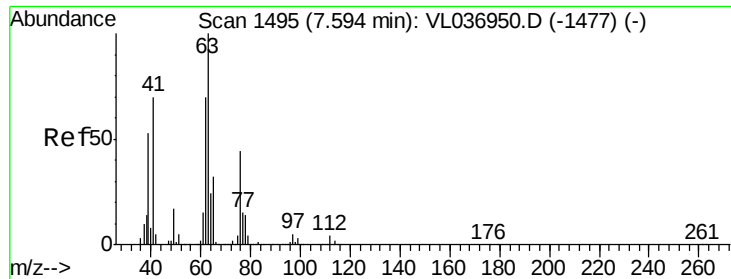
Tot Ion: 57 Resp: 7176  
Ion Ratio Lower Upper  
57 100  
41 193.7 70.5 105.7#  
43 153.4 165.8 248.8#  
56 104.7 42.2 63.4#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.15 min Scan# 1356  
Delta R.T. -0.01 min  
Lab File: VL036987.D  
Acq: 19 May 2021 11:47

Tgt Ion: 114 Resp: 3812582  
Ion Ratio Lower Upper  
114 100  
63 23.7 19.6 29.4  
88 17.9 14.6 21.8

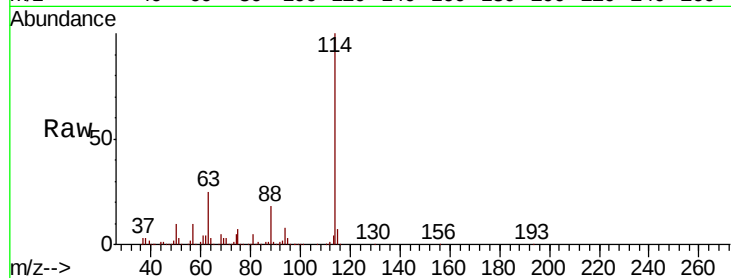




#39  
 1,2-Dichloropropane  
 Concen: 6.886 ppbv  
 RT: 7.15 min Scan# 1357  
 Delta R.T. -0.44 min  
 Lab File: VL036987.D  
 Acq: 19 May 2021 11:47

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC042221 CAN 10663

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 41      | 0.2   | 55.7  | 83.5# |
| 62      | 17.2  | 56.2  | 84.4# |

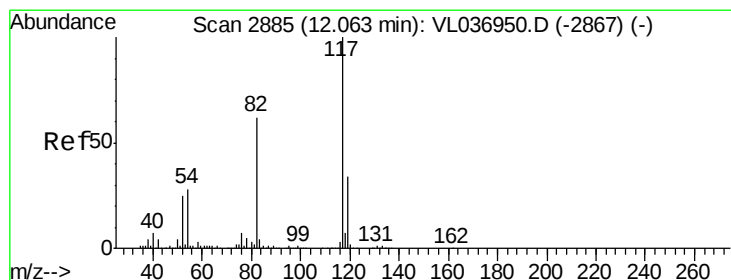
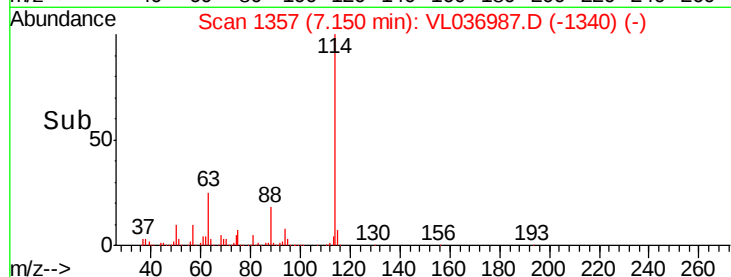
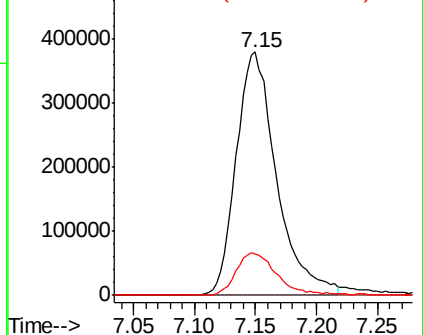


Abundance

Ion 63.10 (62.80 to 63.80): VL0

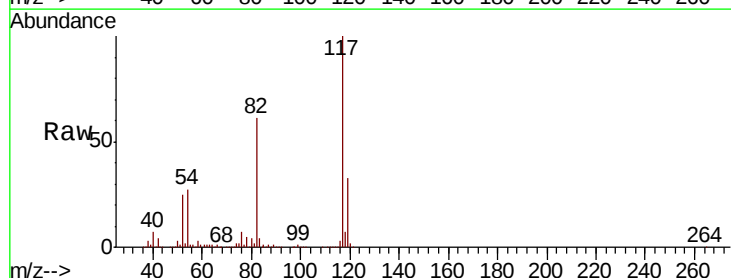
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.06 min Scan# 2884  
 Delta R.T. -0.00 min  
 Lab File: VL036987.D  
 Acq: 19 May 2021 11:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 64.0  | 52.6  | 79.0  |
| 119     | 34.6  | 46.6  | 70.0# |

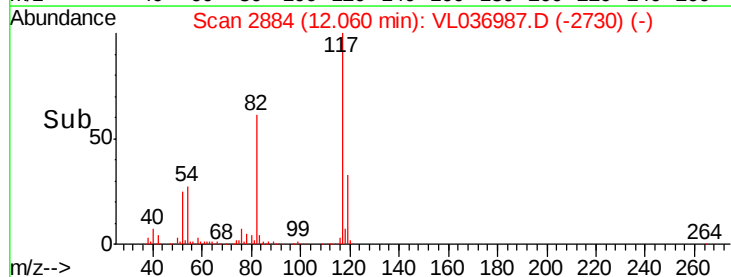
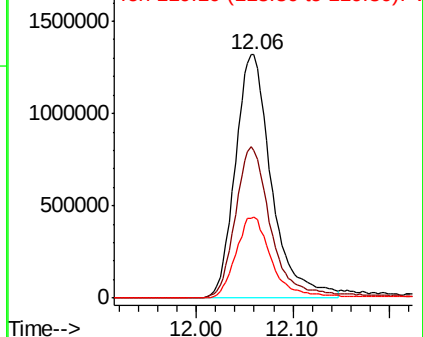


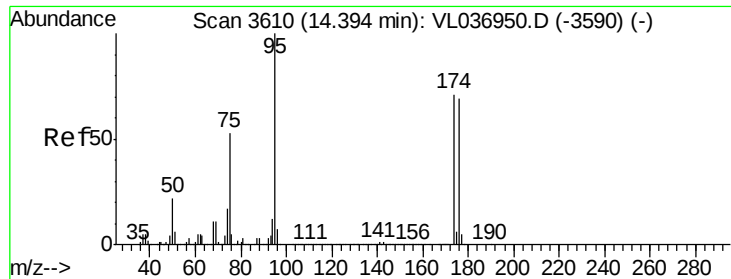
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.098 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL036987.D

Acq: 19 May 2021 11:47

Instrument :

MSVOA\_L

ClientSampleId :

QC042221 CAN 10663

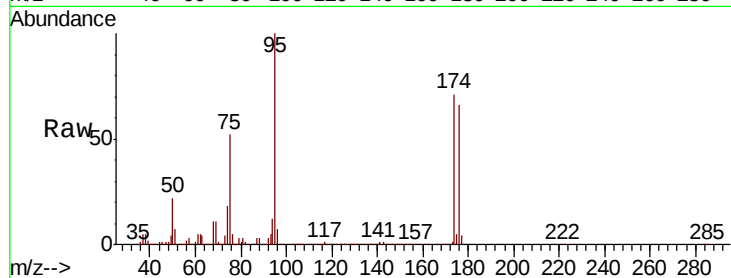
Tot Ion: 95 Resp: 2607476

Ion Ratio Lower Upper

95 100

174 76.1 58.4 87.6

175 5.4 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

