

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\  
 Data File : VL036465.D  
 Acq On : 24 Mar 2021 12:47  
 Operator :  
 Sample : OC031821 CAN 10445  
 Misc : 400 mL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Mar 25 07:18:32 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Mar 03 14:18:24 2021  
 QLast Update : Wed Mar 03 14:18:24 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1599706  | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 3547111  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 3307619  | 10.00 | ppbv  | -0.02    |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2612788  | 9.61     | ppbv | -0.02  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.10% |

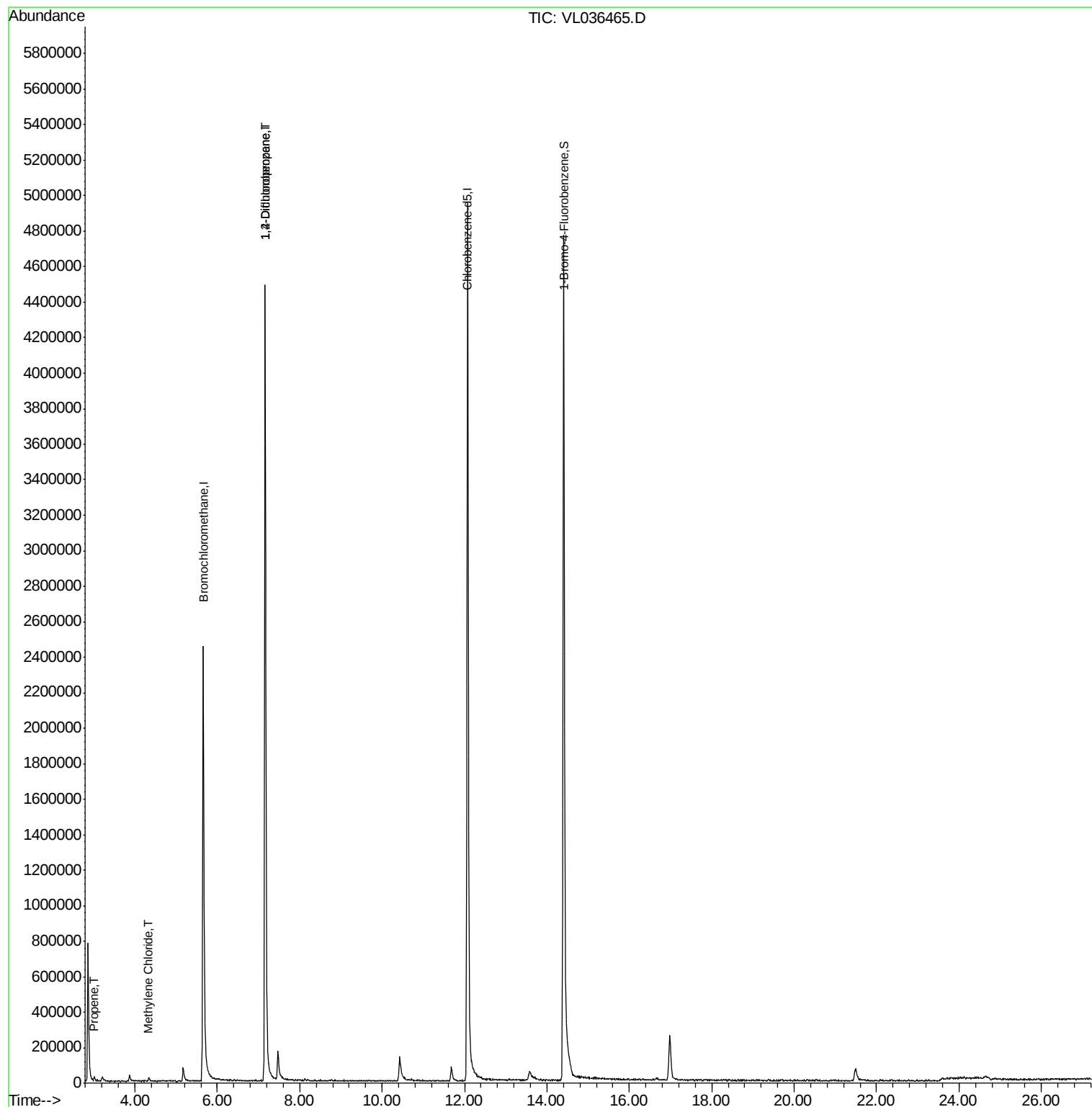
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.01 | 41   | 6198     | 0.075 | ppbv # | 71     |
| 20) Methylene Chloride  | 4.33 | 84   | 4699     | 0.076 | ppbv # | 66     |
| 39) 1,2-Dichloropropane | 7.16 | 63   | 993544   | 8.489 | ppbv # | 22     |

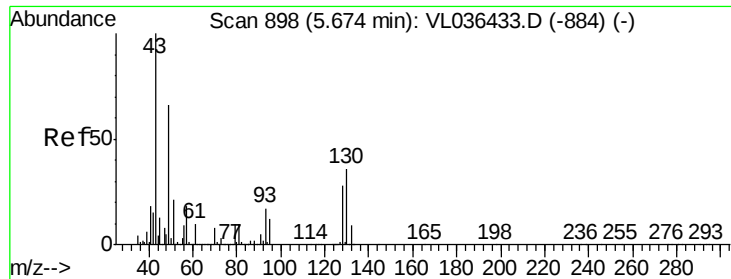
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 03 14:18:24 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 12:47

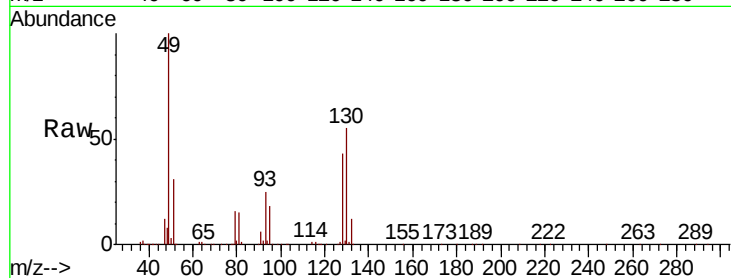
Tot Ion: 49 Resp: 1599706

Ion Ratio Lower Upper

49 100

128 43.1 22.4 67.2

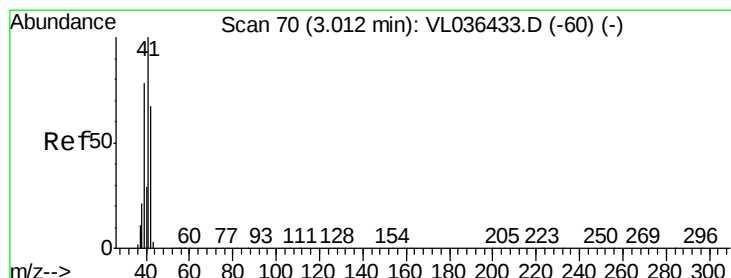
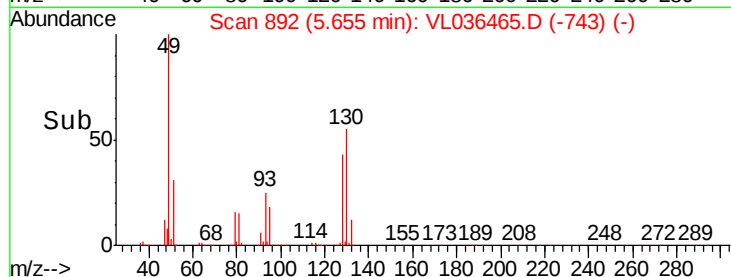
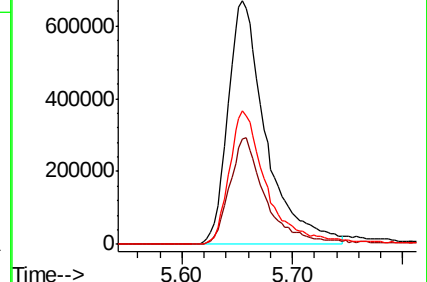
130 55.5 28.0 84.0



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: 0.075 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL036465.D

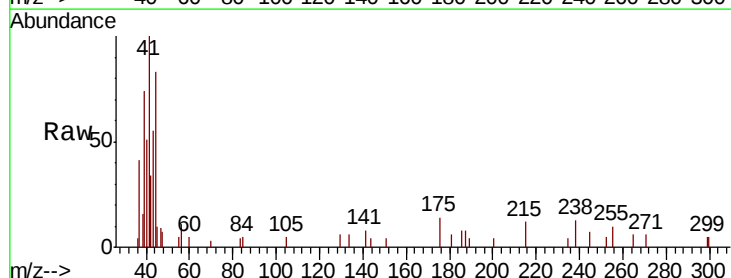
Acq: 24 Mar 2021 12:47

Tgt Ion: 41 Resp: 6198

Ion Ratio Lower Upper

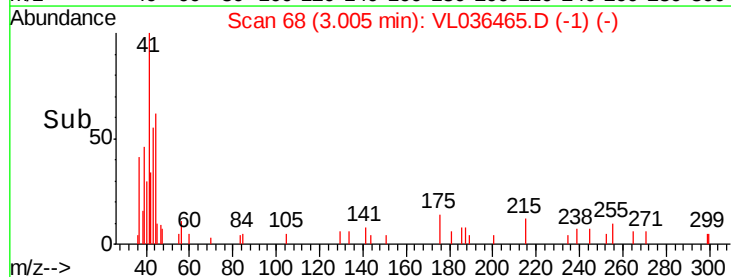
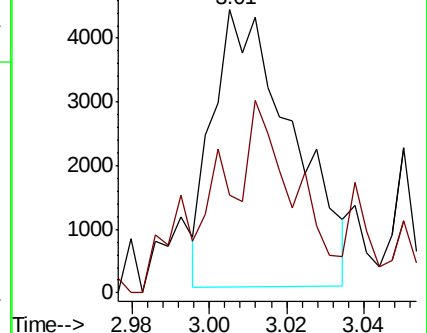
41 100

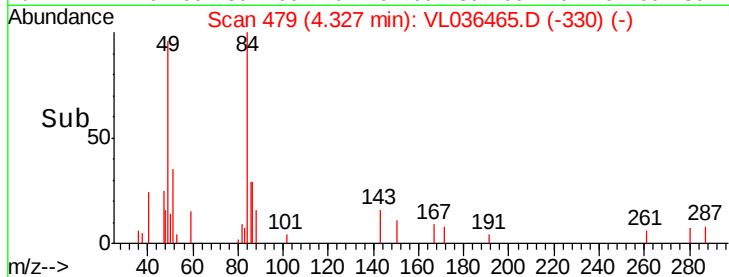
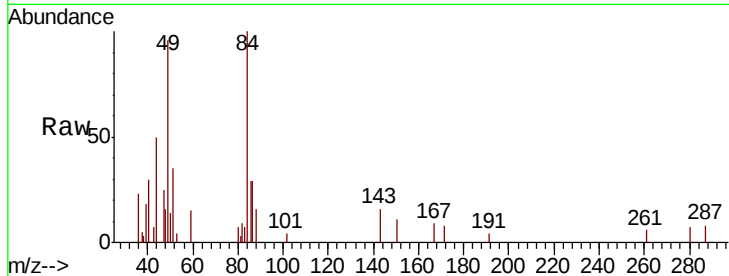
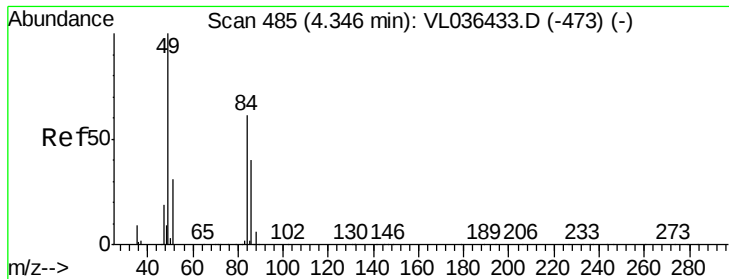
42 94.5 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

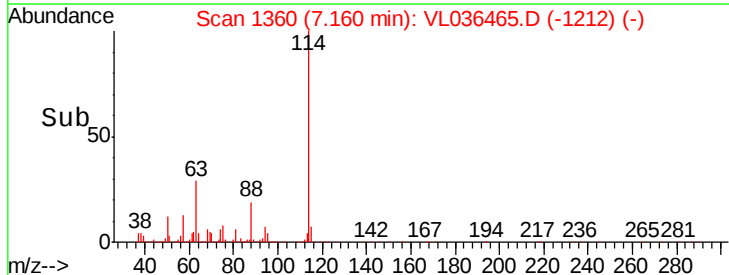
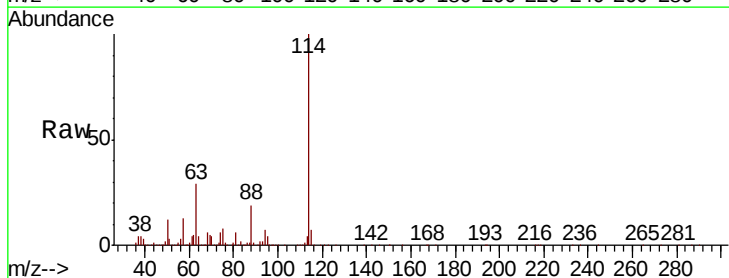
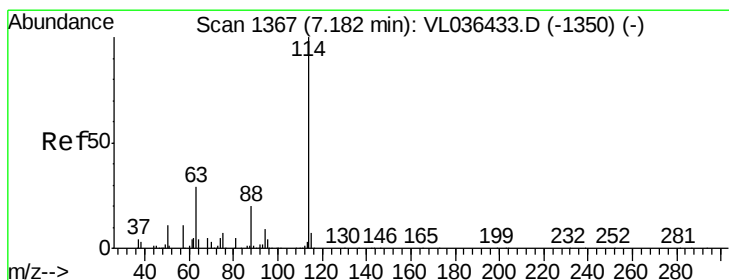
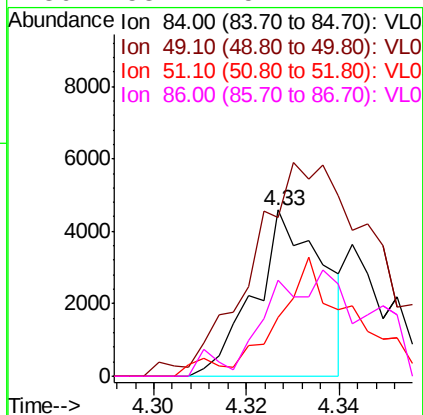
Ion 42.10 (41.80 to 42.80): VL0





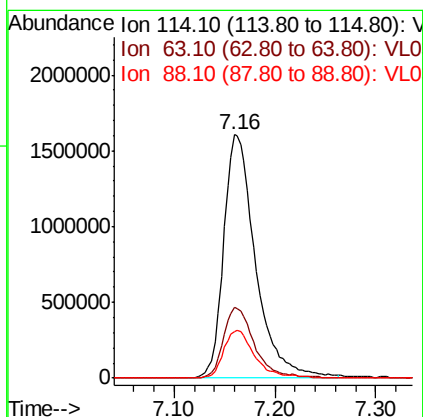
#20  
Methylene Chloride  
Concen: 0.076 ppbv  
RT: 4.33  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 24 Mar 2021 12:47

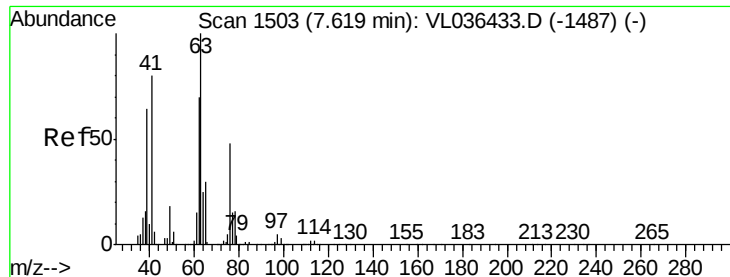
Tot Ion: 84 Resp: 4699  
Ion Ratio Lower Upper  
84 100  
49 103.8 130.2 195.2#  
51 28.2 40.5 60.7#  
86 58.2 51.4 77.2



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.16 min Scan# 1360  
Delta R.T. -0.02 min  
Lab File: VL036465.D  
Acq: 24 Mar 2021 12:47

Tgt Ion: 114 Resp: 3547111  
Ion Ratio Lower Upper  
114 100  
63 28.7 23.3 34.9  
88 19.5 15.6 23.4





#39

1,2-Dichloropropane

Concen: 8.489 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 12:47

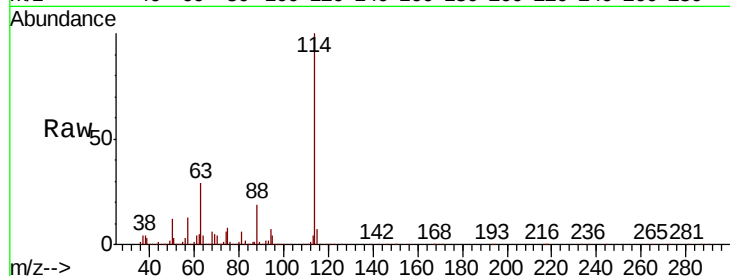
Tot Ion: 63 Resp: 993544

Ion Ratio Lower Upper

63 100

41 0.0 64.4 96.6#

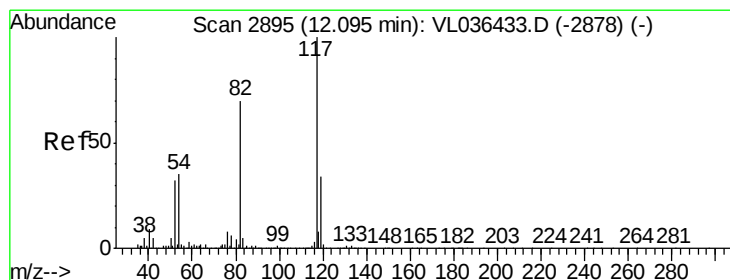
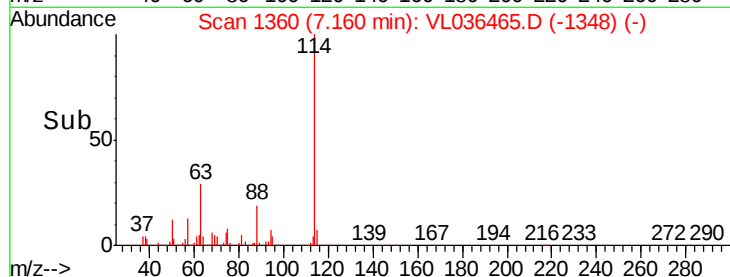
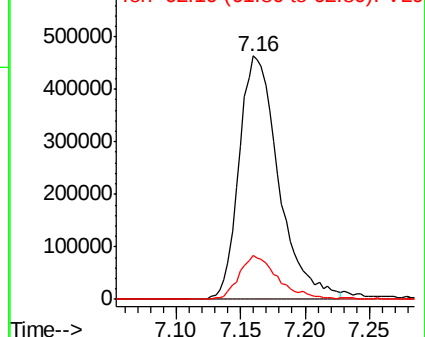
62 18.0 55.7 83.5#



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: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL036465.D

Acq: 24 Mar 2021 12:47

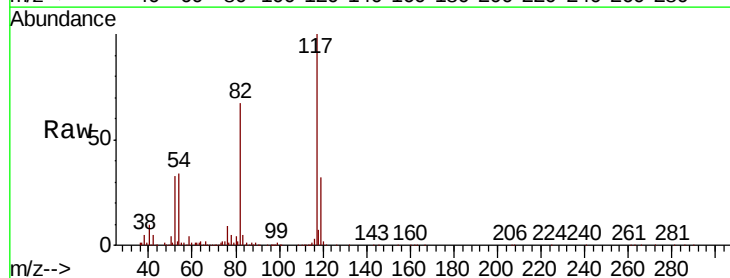
Tgt Ion: 117 Resp: 3307619

Ion Ratio Lower Upper

117 100

82 70.8 56.5 84.7

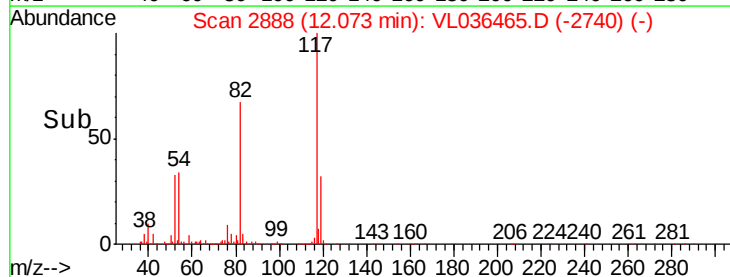
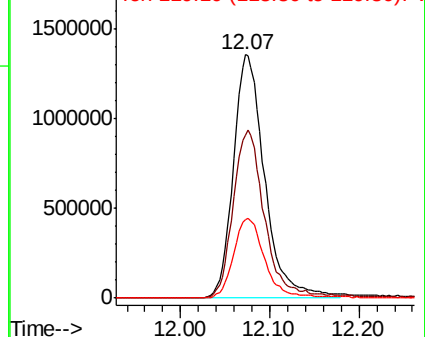
119 33.3 27.0 40.4

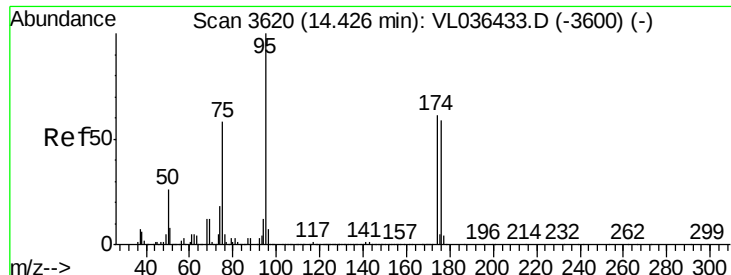


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.606 ppbv

RT: 14.41 Instrument :

Delta R.T MSVOA\_L

Lab File: ClientSampleId :

Acq: 24 Mar 2021 12:47

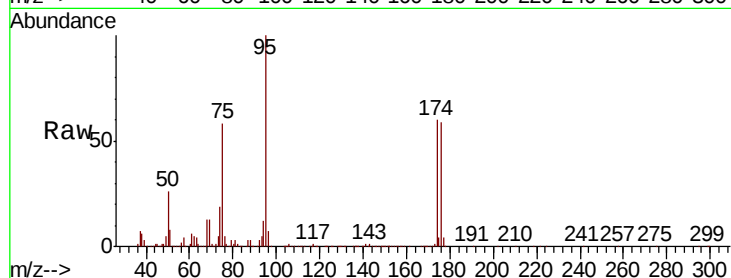
Tot Ion: 95 Resp: 2612788

Ion Ratio Lower Upper

95 100

174 65.8 51.0 76.4

175 4.7 3.8 5.6



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

