

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL101221\  
 Data File : VL037847.D  
 Acq On : 13 Oct 2021 2:23  
 Operator : SY/AP  
 Sample : M4143-01DL 80X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 1ST-FLOORDL

Quant Time: Oct 14 01:08:05 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL100421AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Oct 04 17:43:54 2021  
 QLast Update : Mon Oct 04 17:43:54 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1247259  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3563706  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 3134646  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2176176  | 9.93     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.30% |

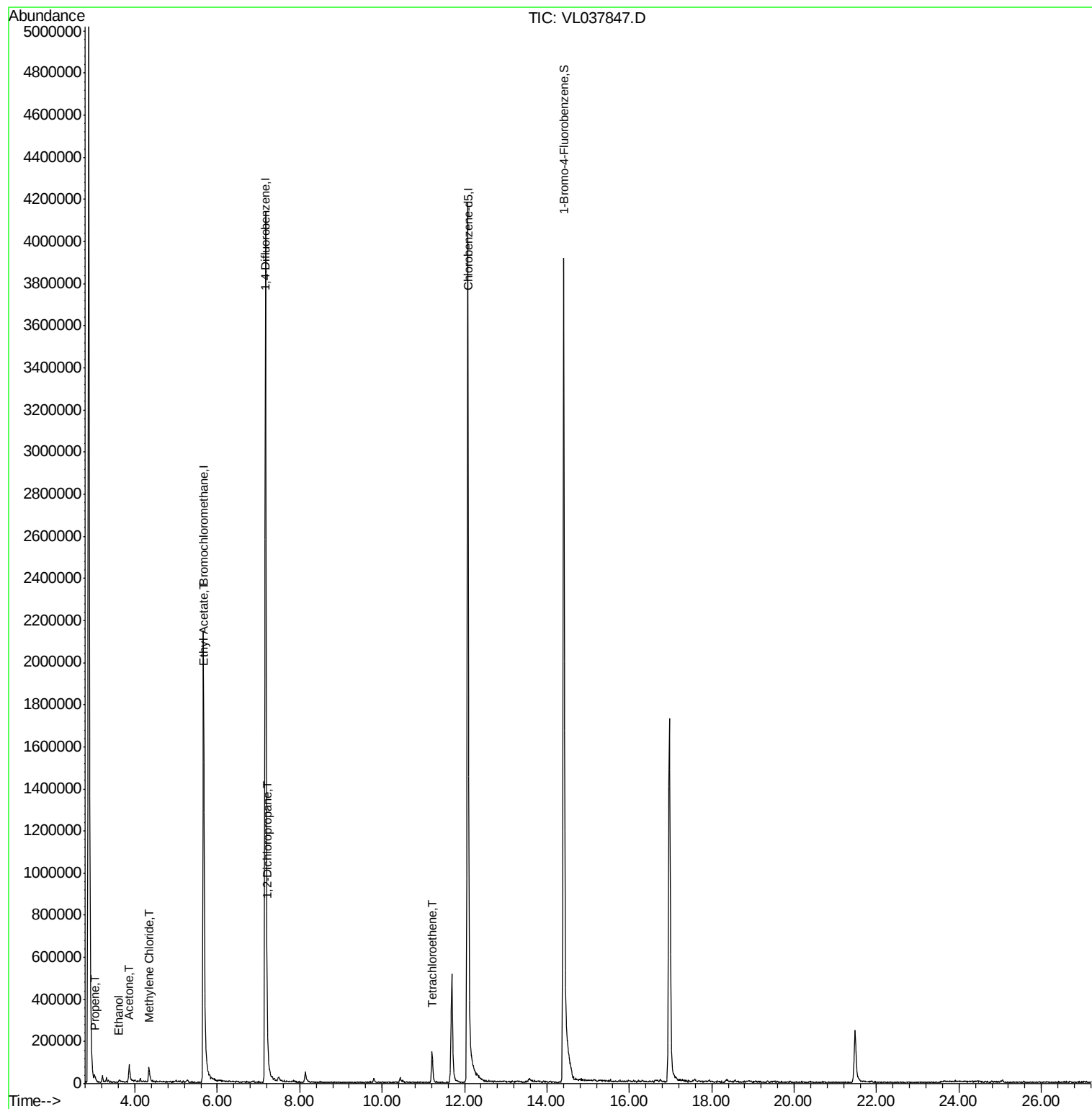
| Target Compounds        | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|-------------------------|-------|------|----------|-------|--------|--------|
| 9) Propene              | 3.02  | 41   | 5145     | 0.058 | ppbv # | 16     |
| 13) Ethanol             | 3.61  | 45   | 970      | 0.135 | ppbv # | 27     |
| 15) Acetone             | 3.85  | 43   | 40987    | 0.366 | ppbv # | 5      |
| 20) Methylene Chloride  | 4.35  | 84   | 11872    | 0.210 | ppbv # | 76     |
| 25) Ethyl Acetate       | 5.68  | 43   | 10561    | 0.034 | ppbv # | 78     |
| 39) 1,2-Dichloropropane | 7.21  | 63   | 19845    | 0.173 | ppbv # | 25     |
| 52) Tetrachloroethene   | 11.21 | 164  | 25083    | 0.212 | ppbv   | 95     |

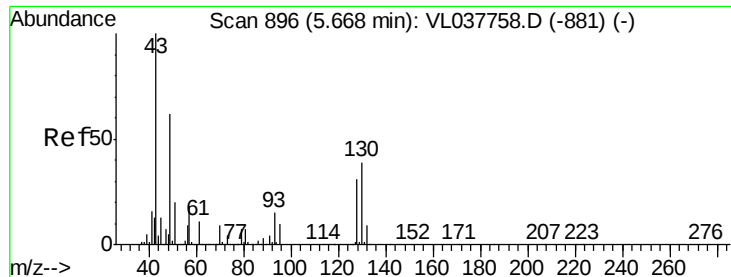
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 04 17:43:54 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: 1ST-FLOORDL

Acq: 13 Oct 2021 2:23

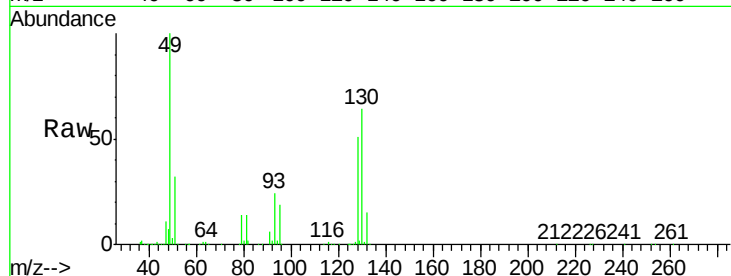
Tgt Ion: 49 Resp: 1247259

Ion Ratio Lower Upper

49 100

128 52.2 27.1 81.3

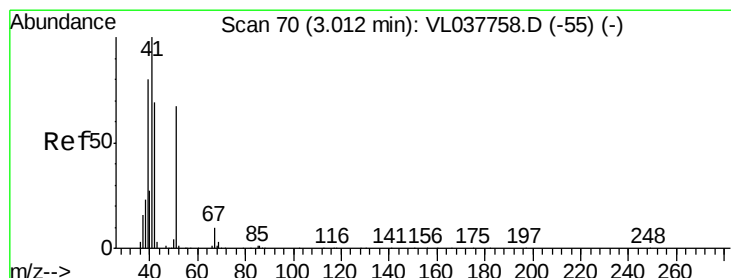
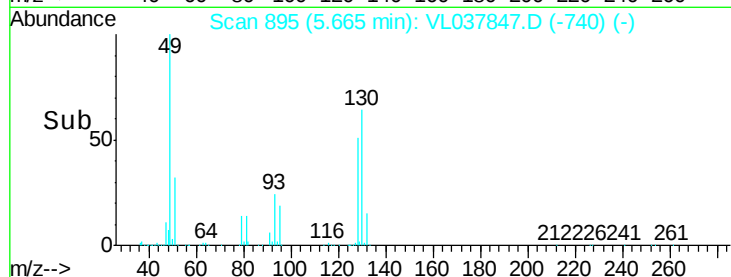
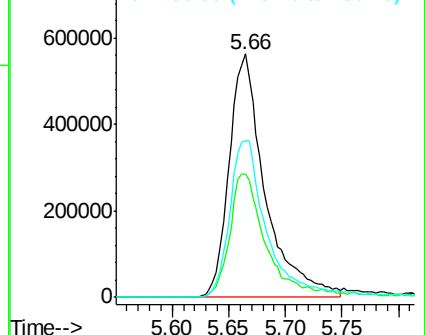
130 68.6 33.2 99.6



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



#9

Propene

Concen: 0.058 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037847.D

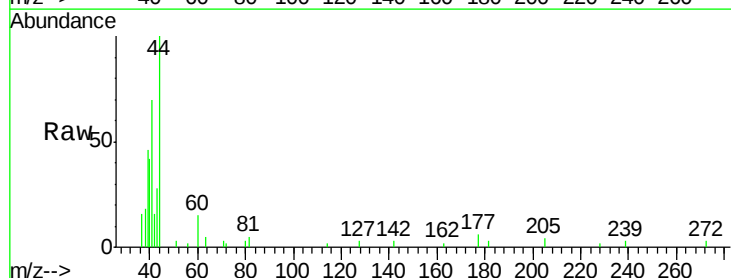
Acq: 13 Oct 2021 2:23

Tgt Ion: 41 Resp: 5145

Ion Ratio Lower Upper

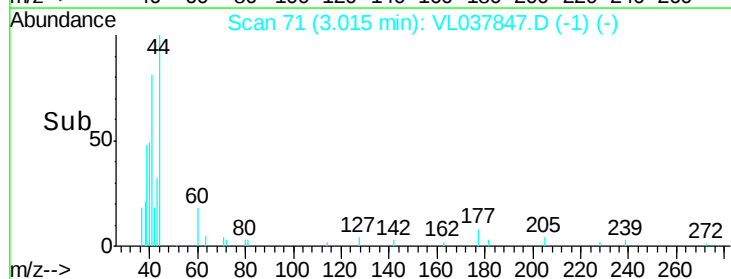
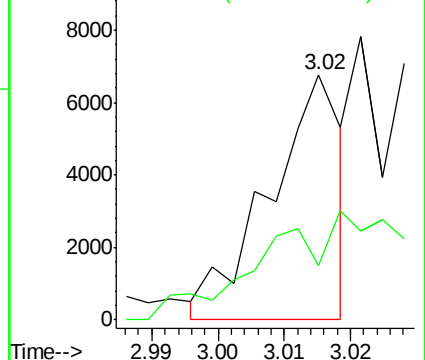
41 100

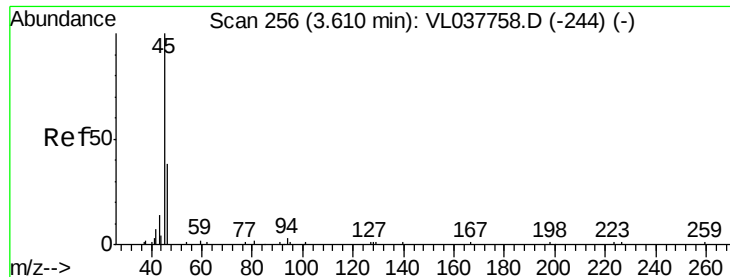
42 0.0 54.2 81.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.135 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

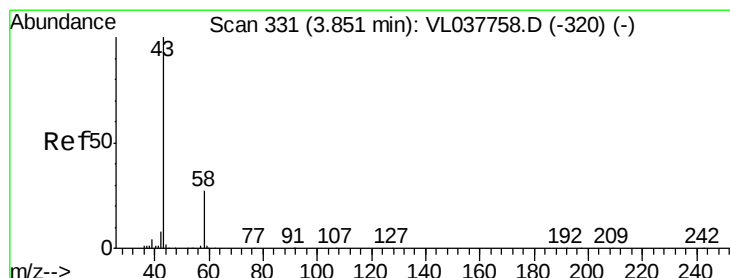
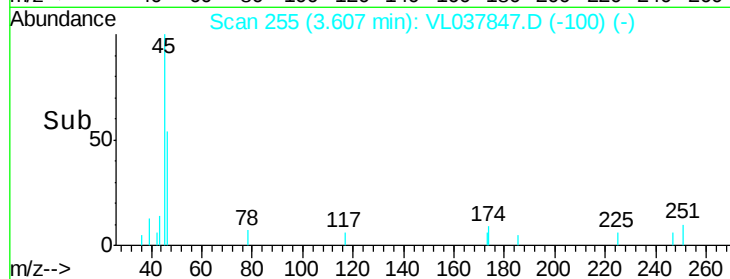
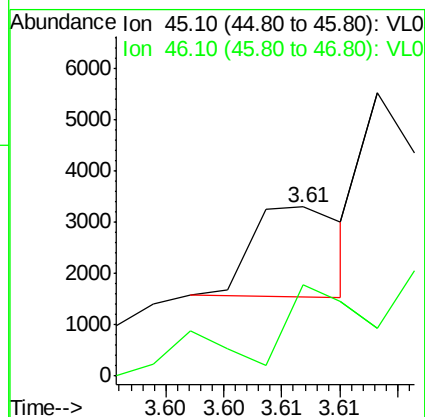
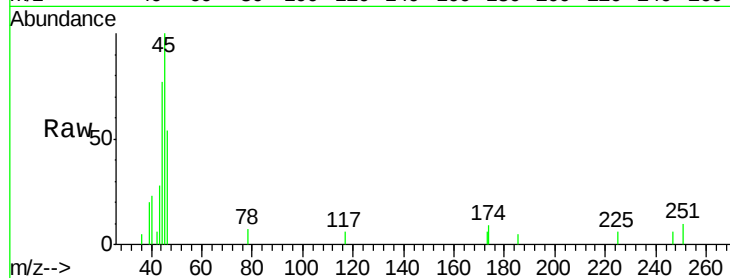
Acq: 13 Oct 2021 2:23

Tgt Ion: 45 Resp: 970

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#



#15

Acetone

Concen: 0.366 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL037847.D

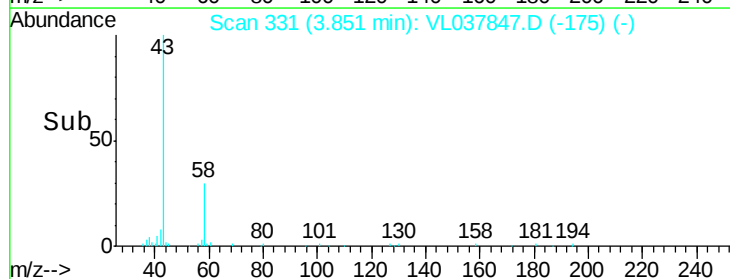
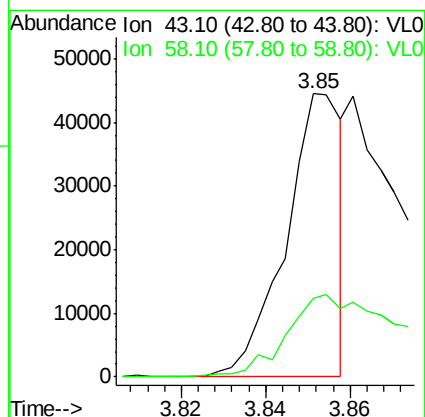
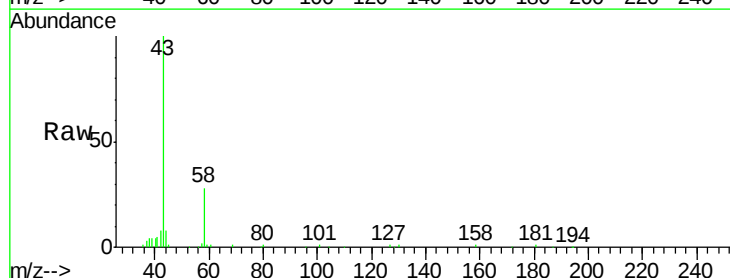
Acq: 13 Oct 2021 2:23

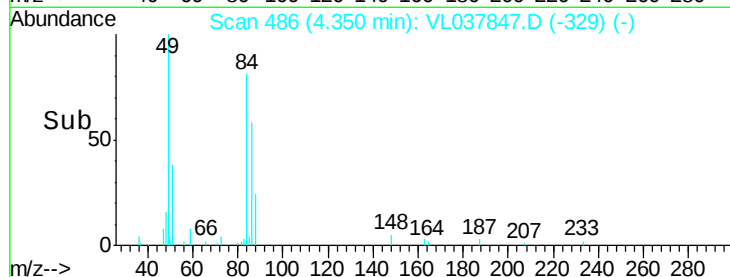
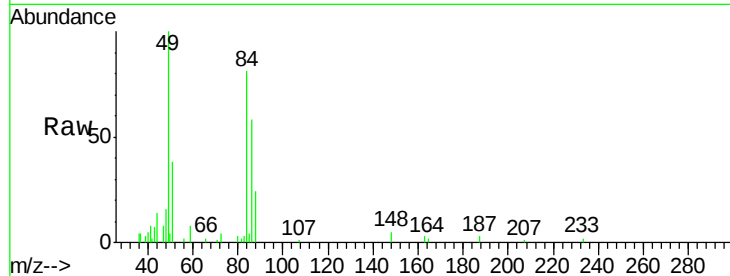
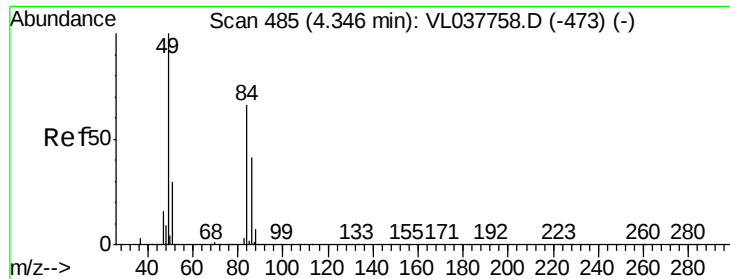
Tgt Ion: 43 Resp: 40987

Ion Ratio Lower Upper

43 100

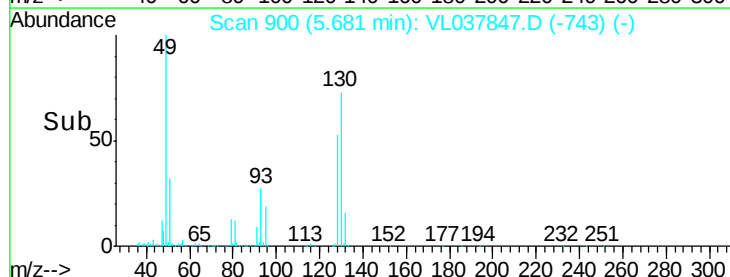
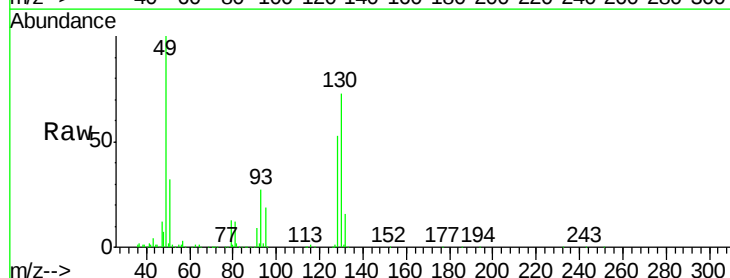
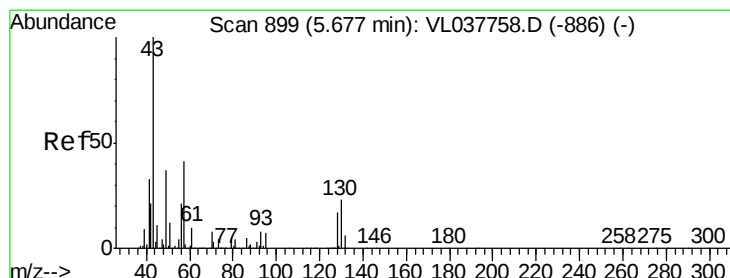
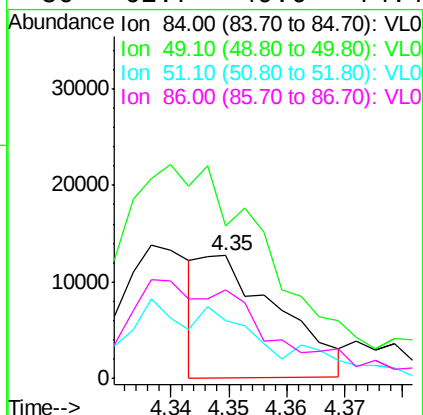
58 79.4 23.0 34.6#





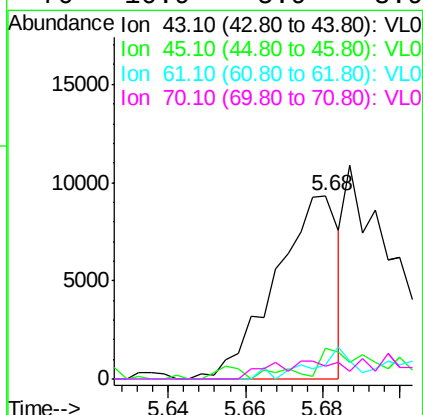
#20  
Methylene Chloride  
Concen: 0.210 ppbv  
RT: 4.35  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 13 Oct 2021 2:23

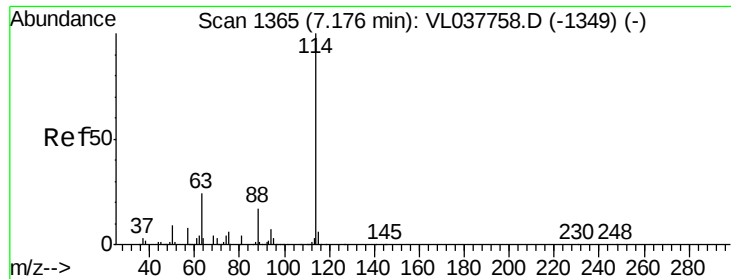
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 11872  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 101.2 | 120.7 | 181.1# |
| 51       | 42.0  | 36.2  | 54.4   |
| 86       | 62.7  | 49.6  | 74.4   |



#25  
Ethyl Acetate  
Concen: 0.034 ppbv  
RT: 5.68 min Scan# 900  
Delta R.T.: 0.00 min  
Lab File: VL037847.D  
Acq: 13 Oct 2021 2:23

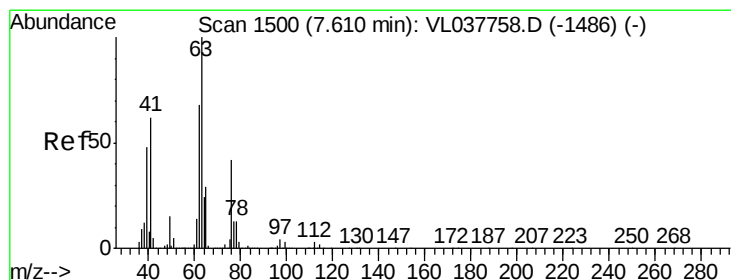
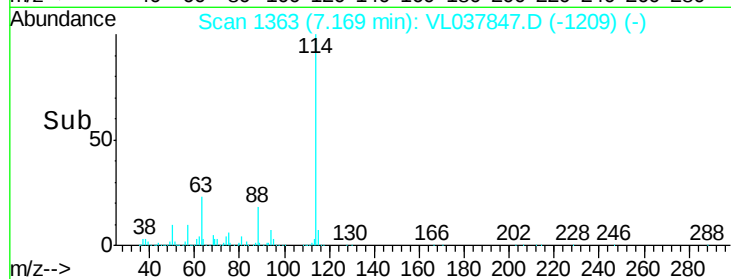
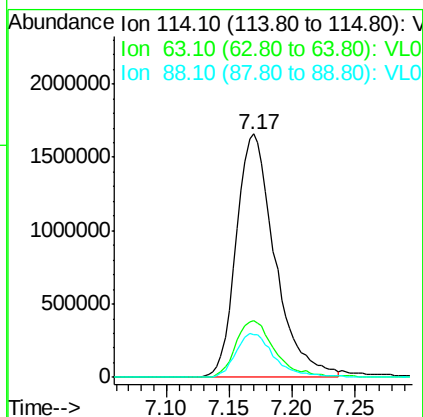
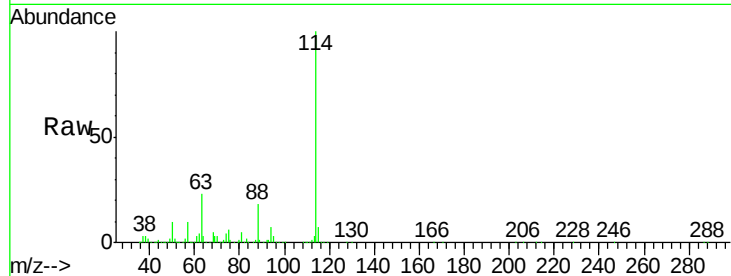
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10561 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 45       | 0.0   | 8.1   | 12.1# |
| 61       | 0.0   | 7.5   | 11.3# |
| 70       | 10.9  | 5.9   | 8.9#  |





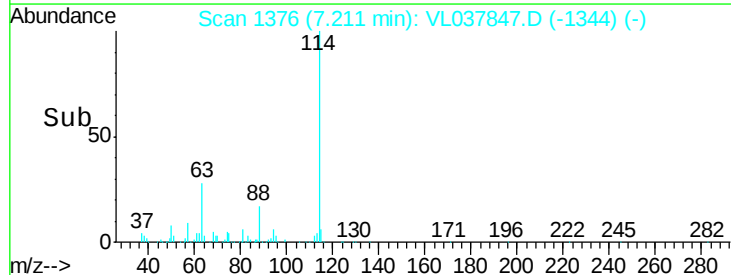
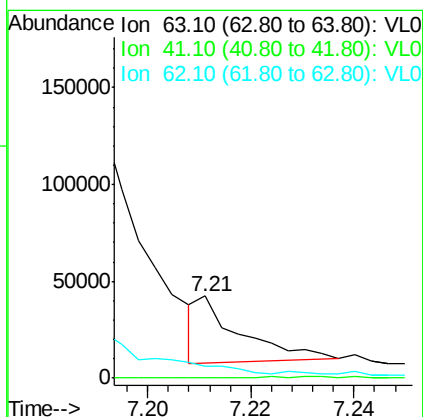
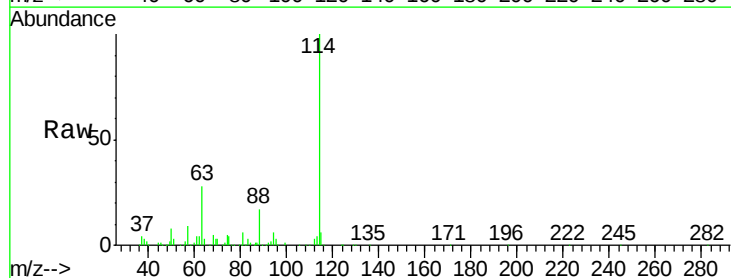
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17 min  
 Delta R.T.: MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 13 Oct 2021 2:23

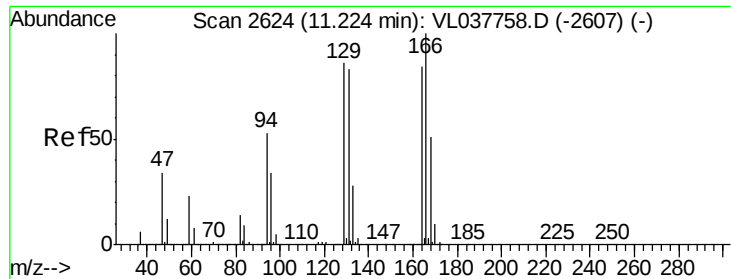
Tgt Ion: 114 Resp: 3563706  
 Ion Ratio Lower Upper  
 114 100  
 63 24.2 19.4 29.2  
 88 18.2 14.4 21.6



#39  
 1,2-Dichloropropane  
 Concen: 0.173 ppbv  
 RT: 7.21 min Scan# 1376  
 Delta R.T.: -0.40 min  
 Lab File: VL037847.D  
 Acq: 13 Oct 2021 2:23

Tgt Ion: 63 Resp: 19845  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 49.8 74.6#  
 62 11.8 54.6 82.0#





#52

Tetrachloroethene

Concen: 0.212 ppbv

RT: 11.21

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 13 Oct 2021 2:23

Tgt Ion:164 Resp: 25083

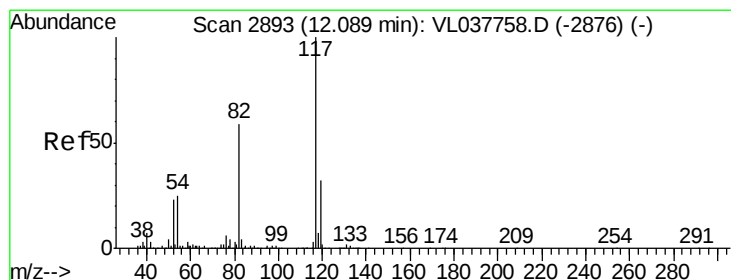
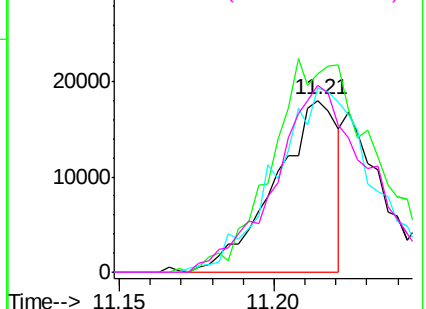
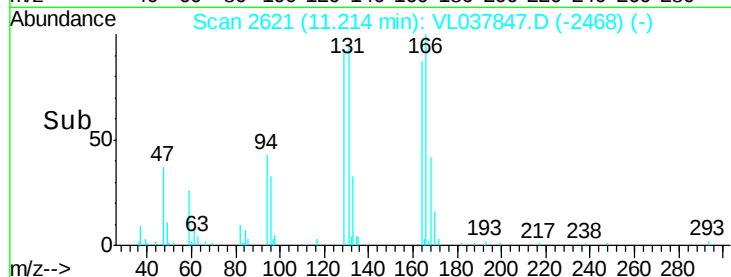
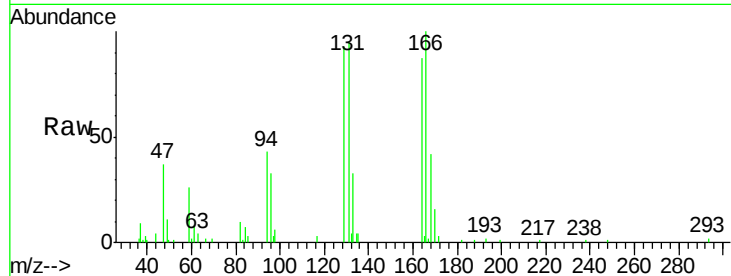
Ion Ratio Lower Upper

164 100

166 115.2 95.4 143.2

129 105.0 82.2 123.4

131 109.1 79.4 119.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL037847.D

Acq: 13 Oct 2021 2:23

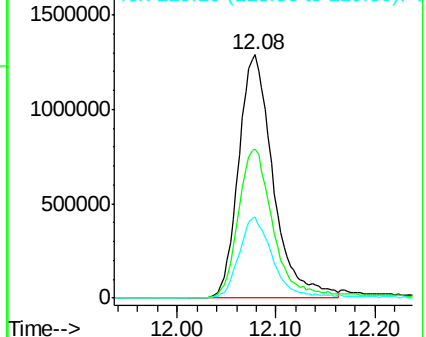
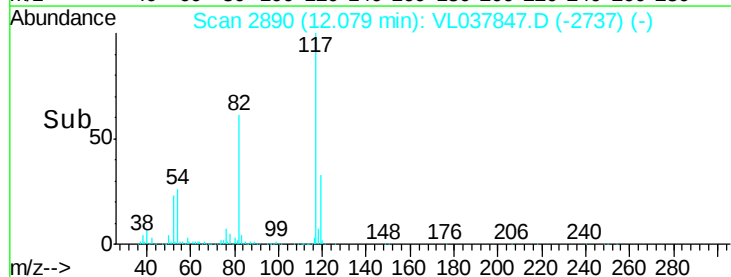
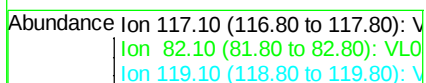
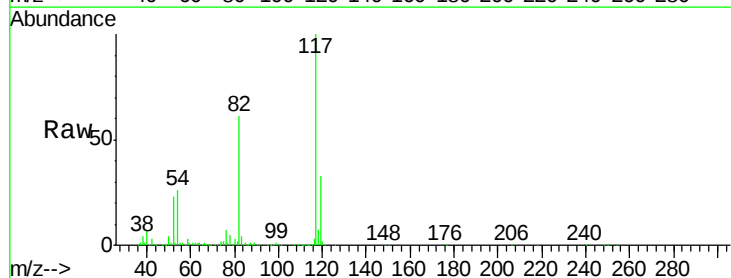
Tgt Ion:117 Resp: 3134646

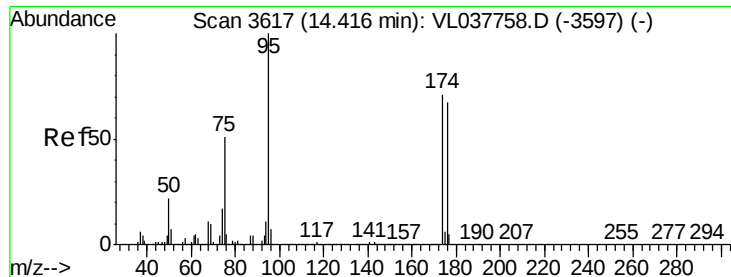
Ion Ratio Lower Upper

117 100

82 64.4 52.2 78.2

119 33.1 26.0 39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.927 ppbv

RT: 14.41

Delta R.T: MSVOA\_L

Lab File: ClientSampleId :

Acq: 13 Oct 2021 2.25

Tgt Ion: 95 Resp: 2176176

Ion Ratio Lower Upper

95 100

174 75.2 57.8 86.6

175 5.2 4.7 7.1

