

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\  
 Data File : VL039481.D  
 Acq On : 19 Jul 2022 13:45  
 Operator : SY/AP  
 Sample : VL0719ABL01  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0719ABL01

Quant Time: Jul 20 05:37:58 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Jul 06 02:15:38 2022  
 QLast Update : Wed Jul 06 02:15:38 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1122841  | 10.00 | ppbv  | 0.03     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 3254667  | 10.00 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 2818269  | 10.00 | ppbv  | 0.03     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 2151711  | 10.29    | ppbv | 0.04    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.90% |

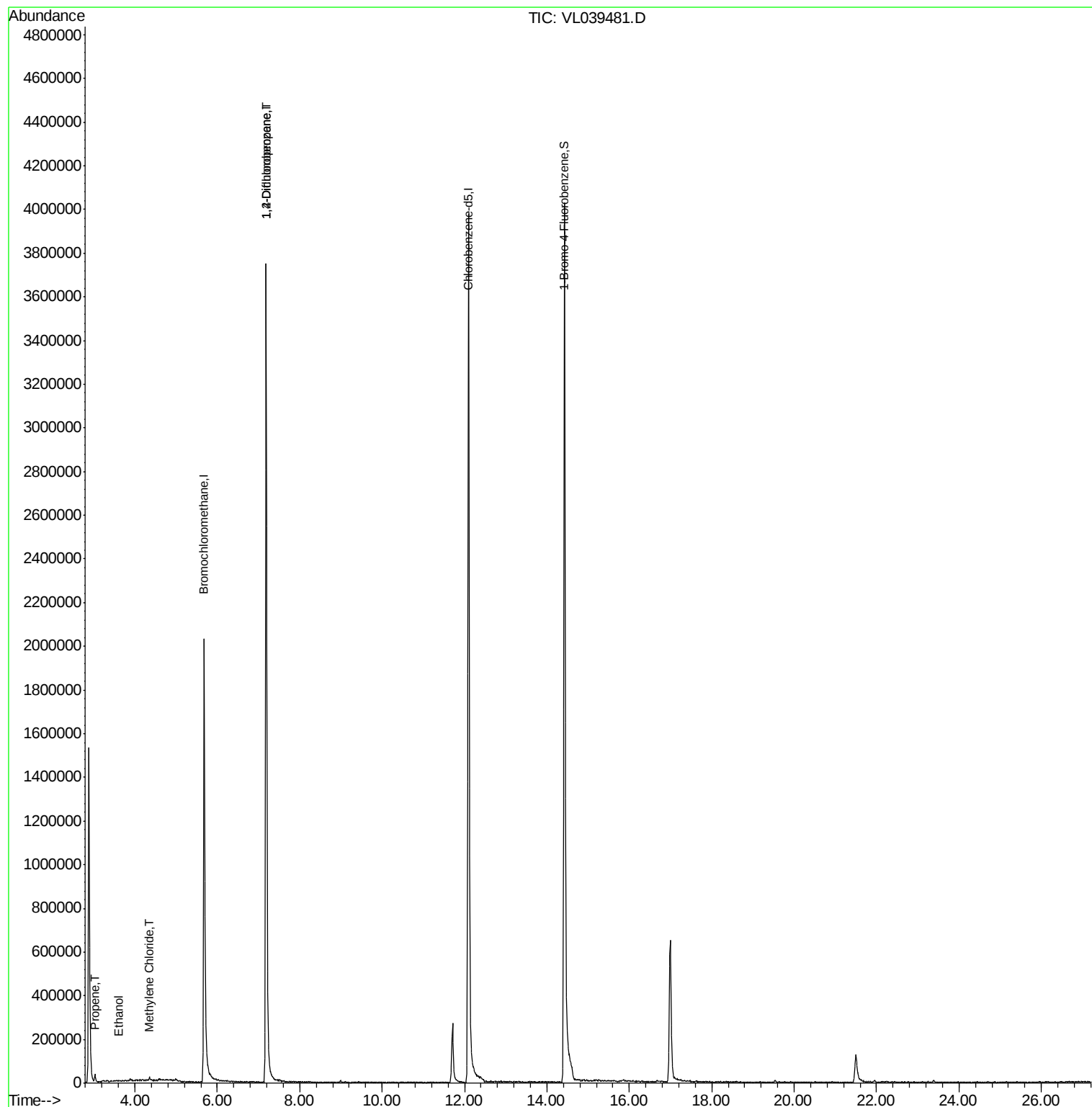
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.03 | 41   | 8999     | 0.140 | ppbv   | 88     |
| 13) Ethanol             | 3.61 | 45   | 152      | 0.041 | ppbv # | 23     |
| 20) Methylene Chloride  | 4.36 | 84   | 3426     | 0.065 | ppbv # | 67     |
| 39) 1,2-Dichloropropane | 7.19 | 63   | 784302   | 8.335 | ppbv # | 27     |

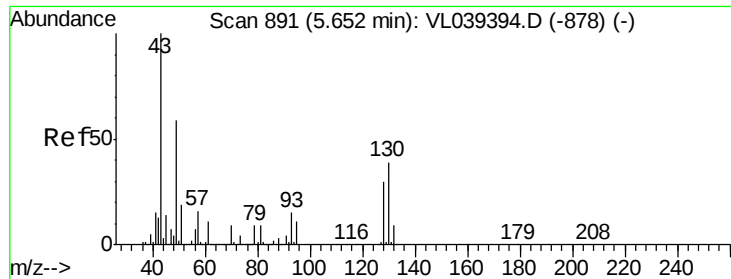
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071922\  
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 06 02:15:38 2022  
QLast Update : Wed Jul 06 02:15:38 2022  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 19 Jul 2022 13:45

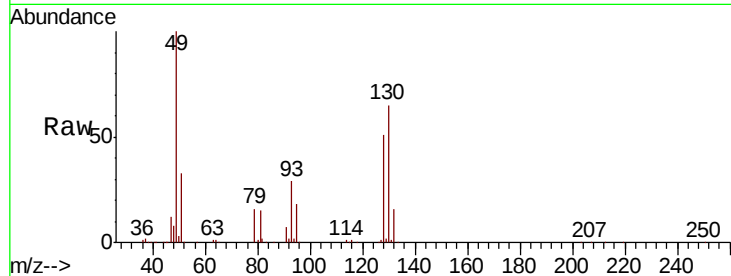
Tot Ion: 49 Resp: 1122841

Ion Ratio Lower Upper

49 100

128 54.5 26.7 80.0

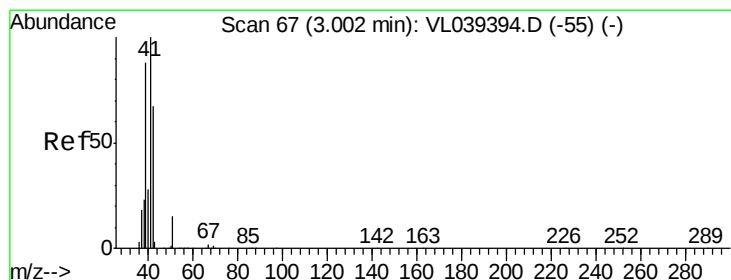
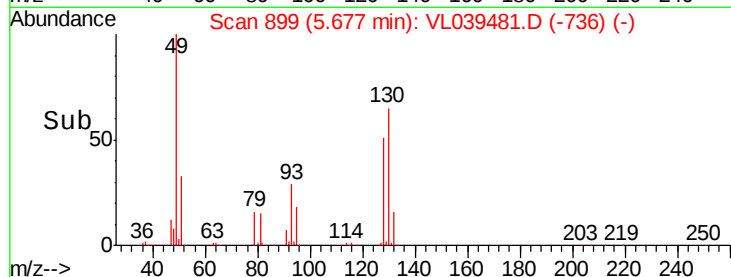
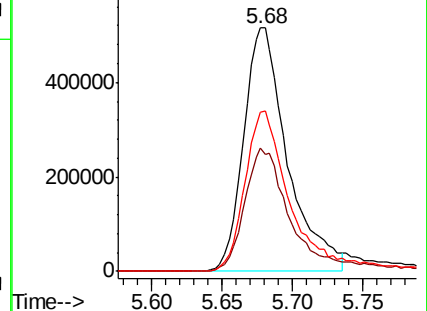
130 71.5 34.3 102.8



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: 0.140 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL039481.D

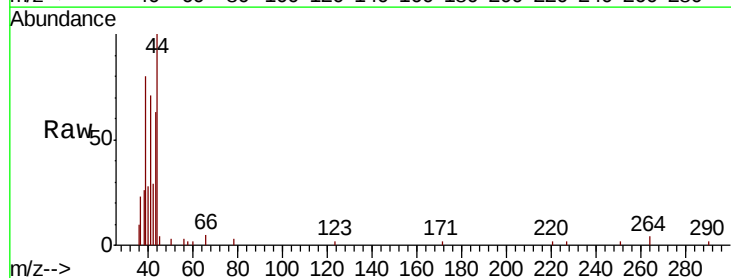
Acq: 19 Jul 2022 13:45

Tgt Ion: 41 Resp: 8999

Ion Ratio Lower Upper

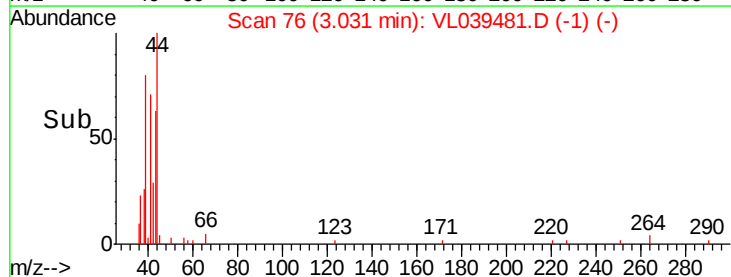
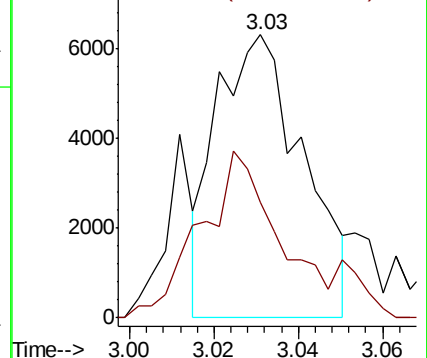
41 100

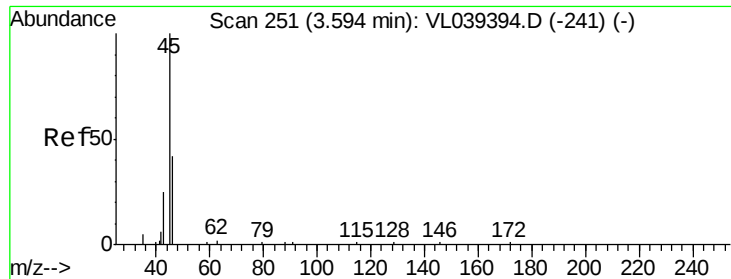
42 59.3 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

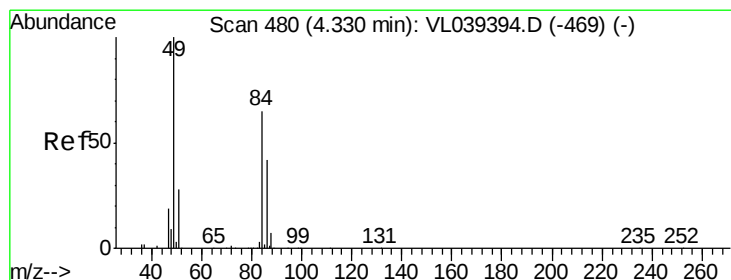
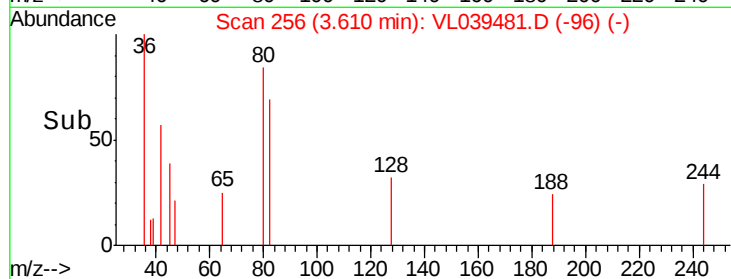
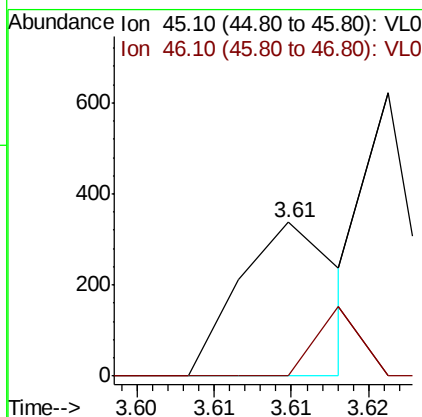
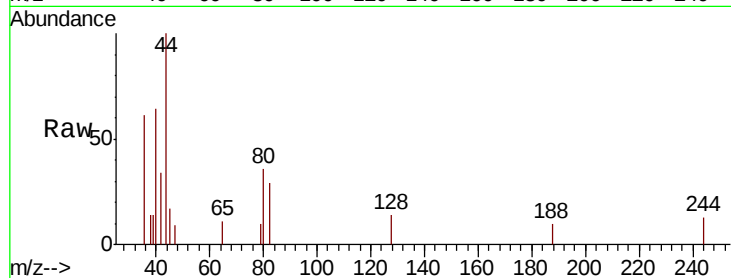
Ion 42.10 (41.80 to 42.80): VL0





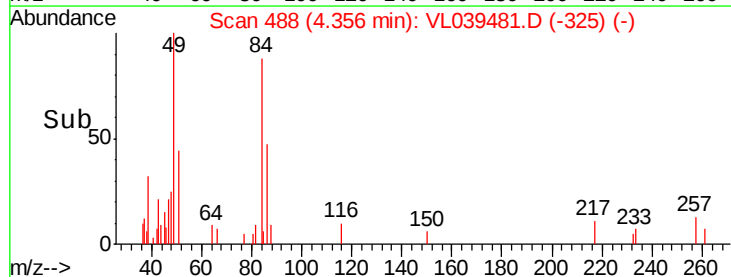
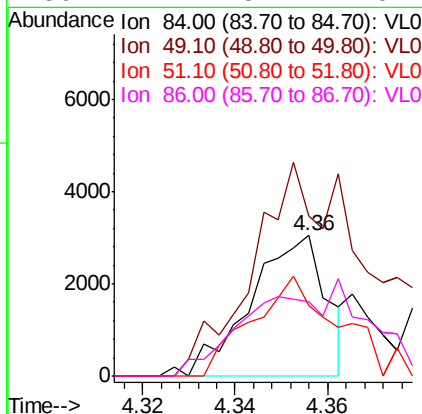
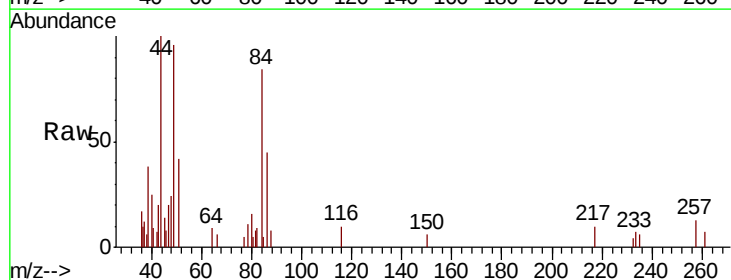
#13  
Ethanol  
Concen: 0.041 ppbv  
RT: 3.61 min  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 19 Jul 2022 13:45

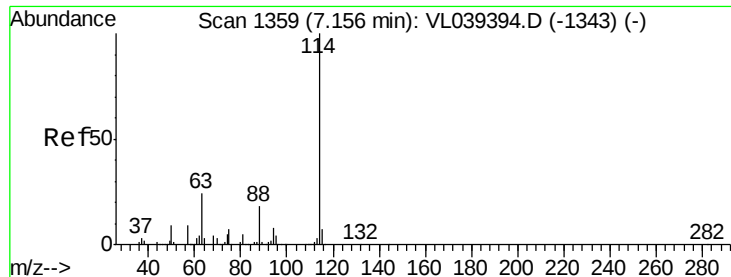
Tot Ion: 45 Resp: 152  
Ion Ratio Lower Upper  
45 100  
46 0.0 22.8 91.2#



#20  
Methylene Chloride  
Concen: 0.065 ppbv  
RT: 4.36 min Scan# 488  
Delta R.T. 0.03 min  
Lab File: VL039481.D  
Acq: 19 Jul 2022 13:45

Tgt Ion: 84 Resp: 3426  
Ion Ratio Lower Upper  
84 100  
49 101.9 123.1 184.7#  
51 50.3 34.4 51.6  
86 41.4 51.1 76.7#

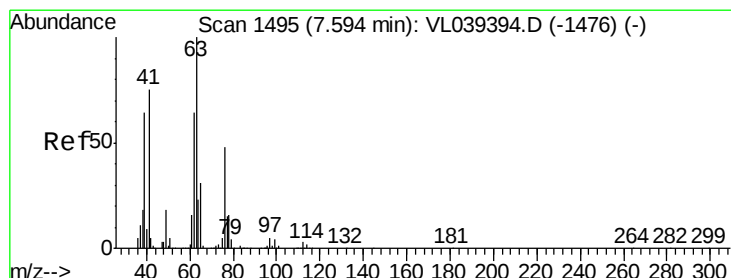
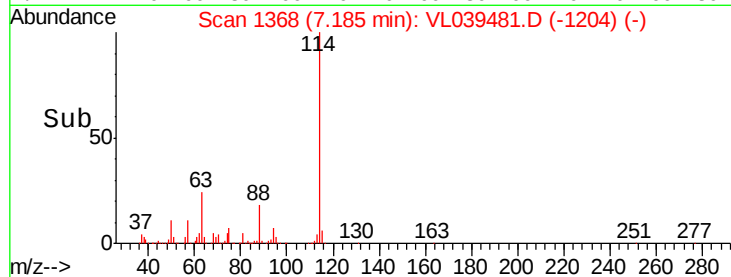
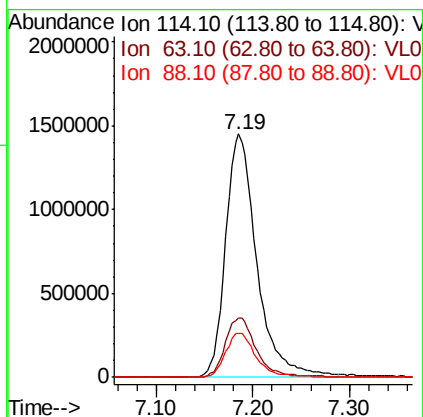
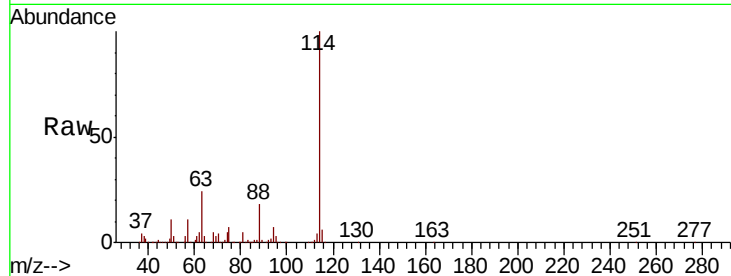




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.19 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId : VL0719ABL01  
 Acq: 19 Jul 2022 13:45

Tot Ion: 114 Resp: 3254667

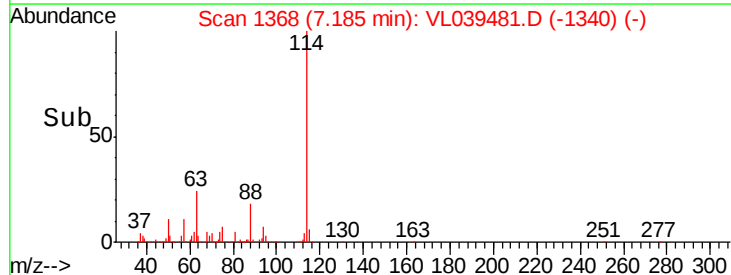
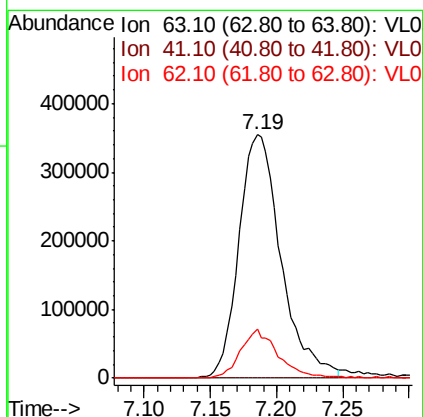
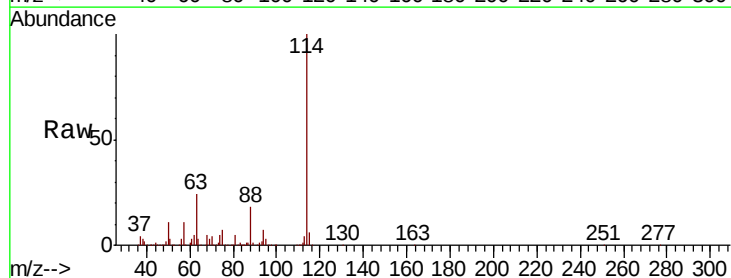
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 24.9  | 20.2  | 30.4  |
| 88  | 18.1  | 14.5  | 21.7  |

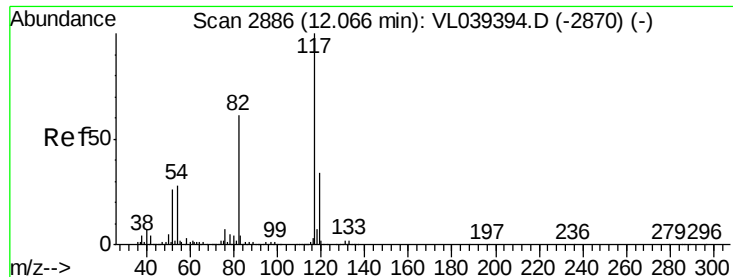


#39  
 1,2-Dichloropropane  
 Concen: 8.335 ppbv  
 RT: 7.19 min Scan# 1368  
 Delta R.T. -0.41 min  
 Lab File: VL039481.D  
 Acq: 19 Jul 2022 13:45

Tgt Ion: 63 Resp: 784302

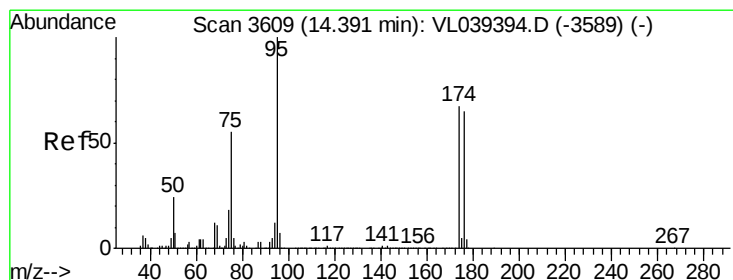
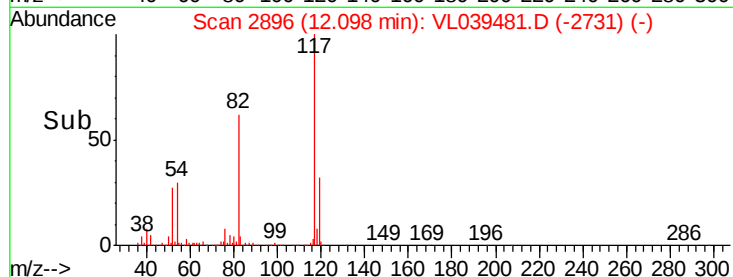
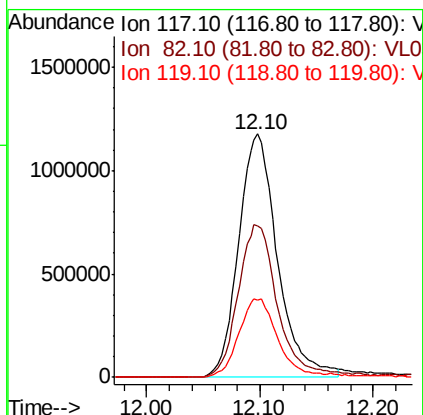
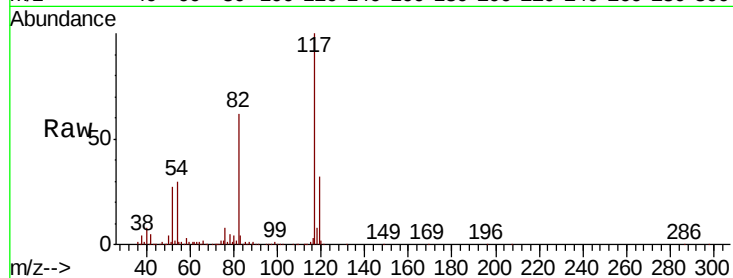
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 0.1   | 59.6  | 89.4# |
| 62  | 20.3  | 51.4  | 77.0# |





#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.10 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Client Sample ID:  
 Lab File: VL0719ABL01  
 Acq: 19 Jul 2022 13:45

Tot Ion: 117 Resp: 2818269  
 Ion Ratio Lower Upper  
 117 100  
 82 65.8 50.8 76.2  
 119 33.6 24.1 36.1



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.292 ppbv  
 RT: 14.43 min Scan# 3620  
 Delta R.T.: 0.04 min  
 Lab File: VL039481.D  
 Acq: 19 Jul 2022 13:45

Tgt Ion: 95 Resp: 2151711  
 Ion Ratio Lower Upper  
 95 100  
 174 71.7 55.9 83.9  
 175 5.3 4.2 6.4

