

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042021\  
 Data File : VL036835.D  
 Acq On : 20 Apr 2021 23:42  
 Operator : SY/AP  
 Sample : OC041521 CAN 10459  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Apr 21 06:39:49 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021  
 QLast Update : Thu Mar 25 09:42:40 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1178179  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2790300  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 2389995  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.43  | 95    | 1800743  | 9.45     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 94.50% |

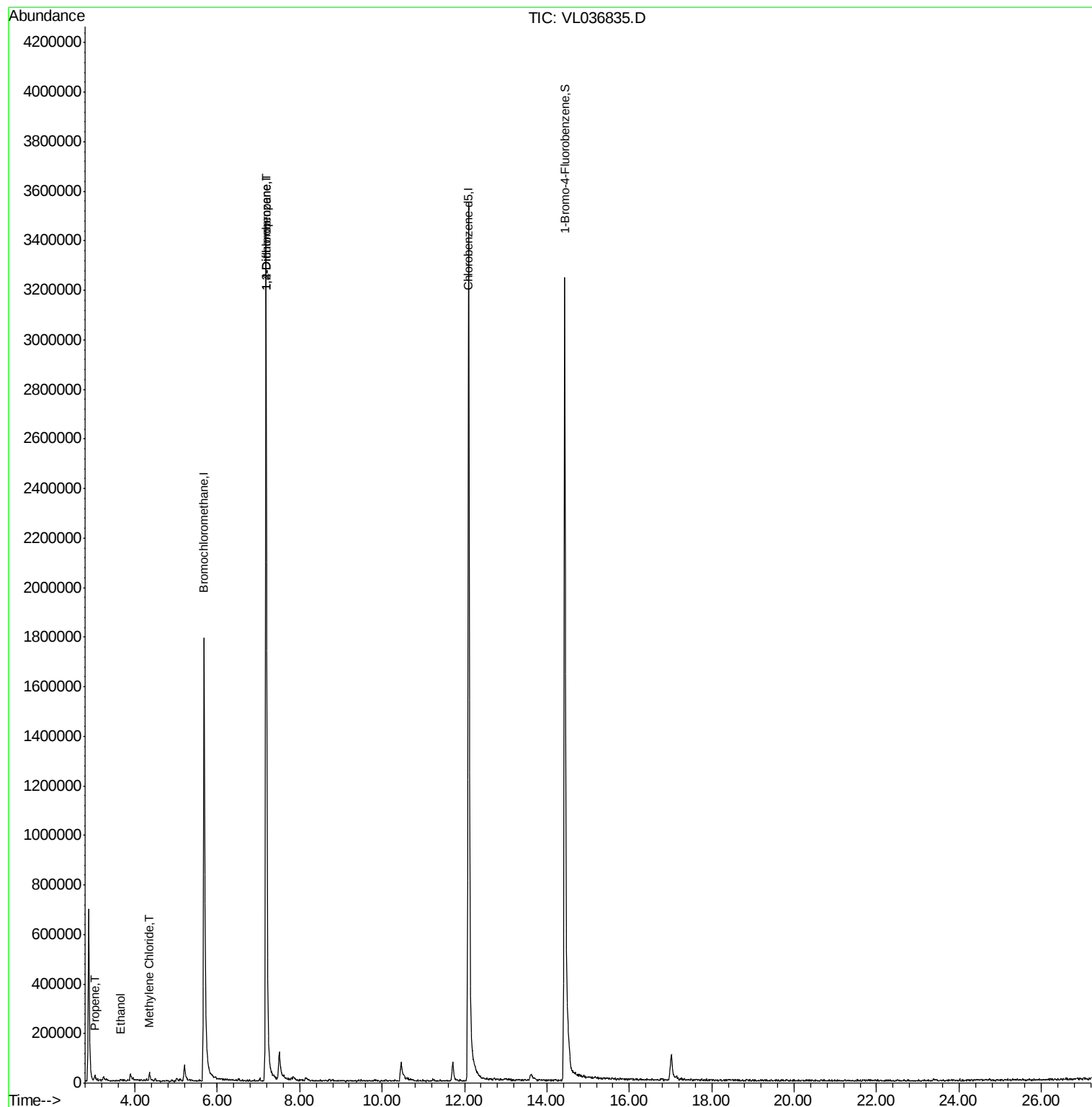
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.03 | 41   | 6844     | 0.098 | ppbv   | 84     |
| 13) Ethanol             | 3.64 | 45   | 2658     | 0.318 | ppbv # | 34     |
| 20) Methylene Chloride  | 4.35 | 84   | 12516    | 0.231 | ppbv # | 79     |
| 39) 1,2-Dichloropropane | 7.19 | 63   | 738136   | 7.071 | ppbv # | 23     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042021\  
Data File : VL036835.D  
Acq On : 20 Apr 2021 23:42  
Operator : SY/AP  
Sample : OC041521 CAN 10459  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :

Quant Time: Apr 21 06:39:49 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Mar 25 09:42:40 2021  
QLast Update : Thu Mar 25 09:42:40 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 20 Apr 2021 23:42

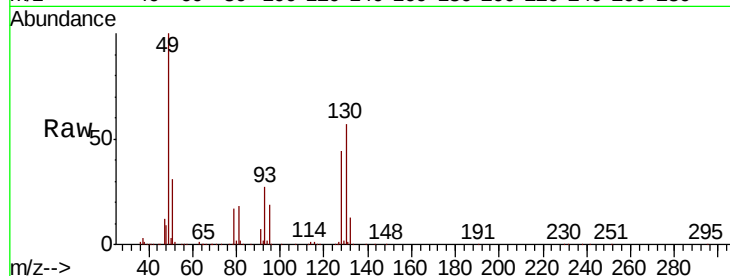
Tot Ion: 49 Resp: 1178179

Ion Ratio Lower Upper

49 100

128 45.2 23.5 70.6

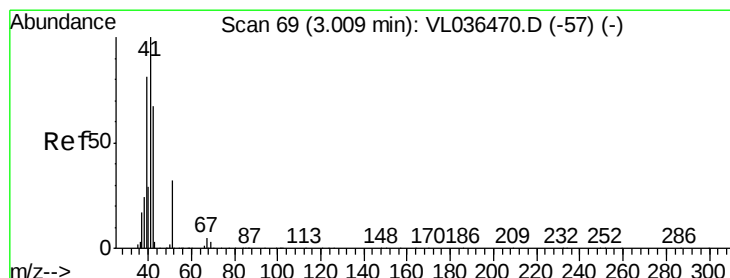
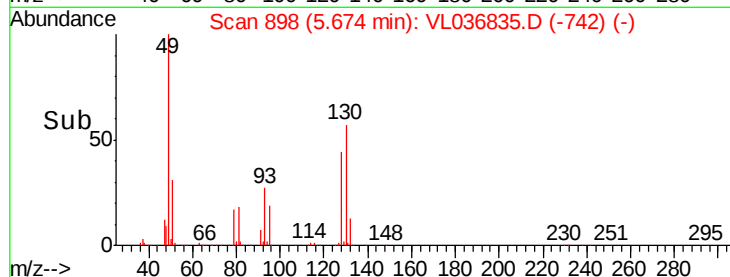
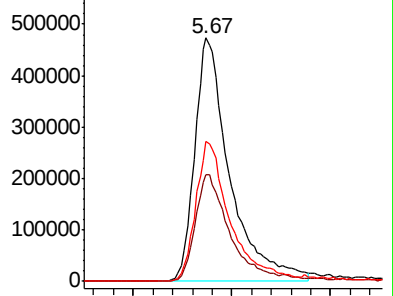
130 59.5 29.1 87.4



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: 0.098 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL036835.D

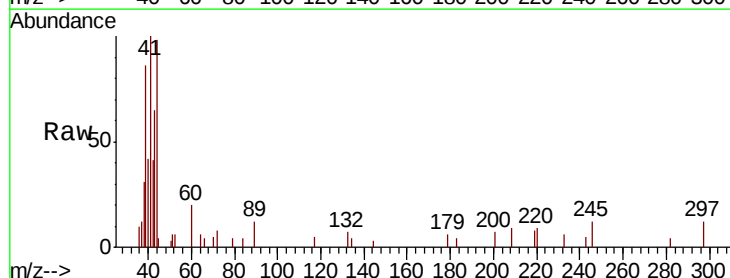
Acq: 20 Apr 2021 23:42

Tgt Ion: 41 Resp: 6844

Ion Ratio Lower Upper

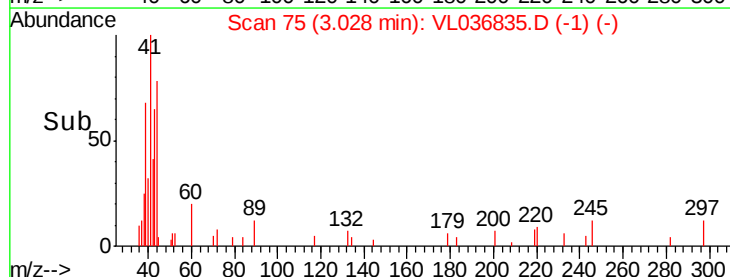
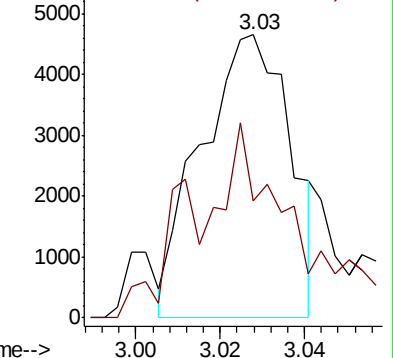
41 100

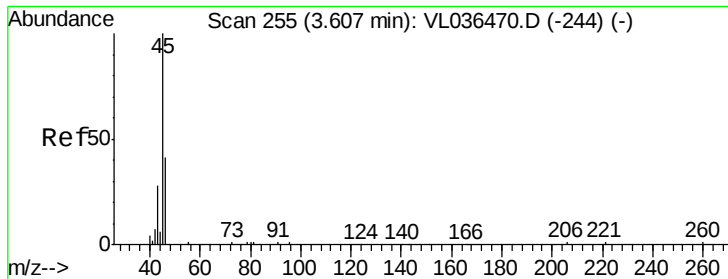
42 84.5 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

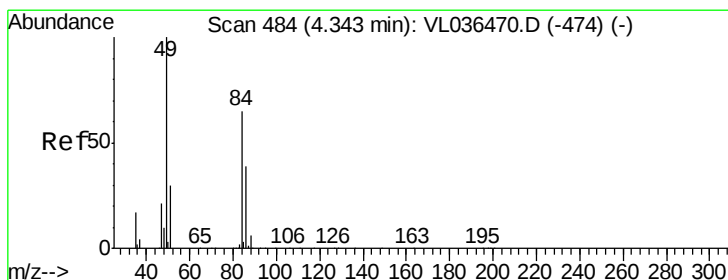
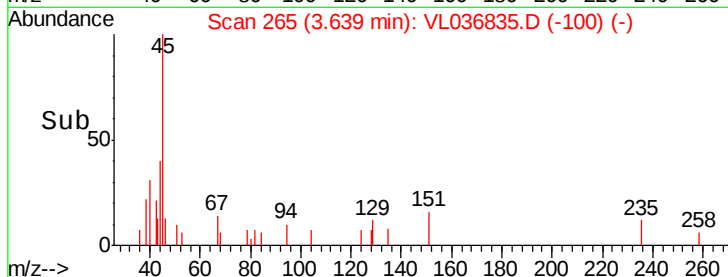
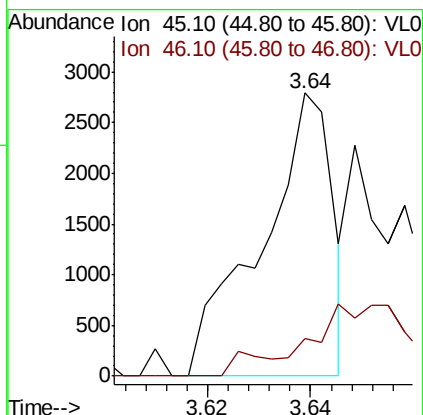
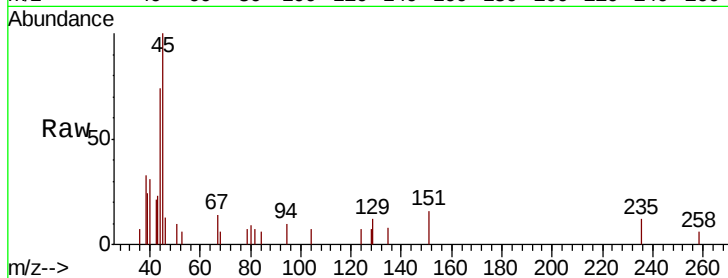
Ion 42.10 (41.80 to 42.80): VL0





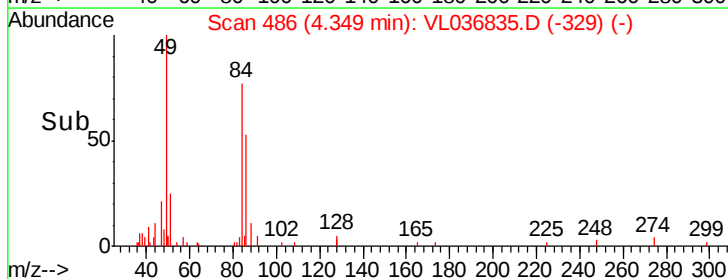
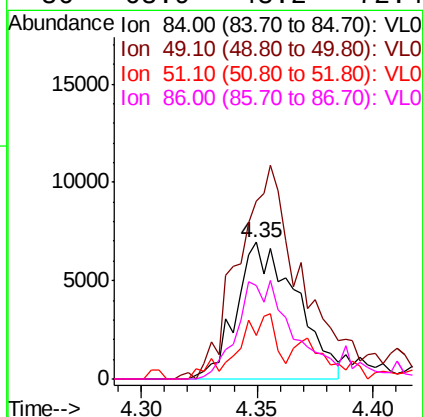
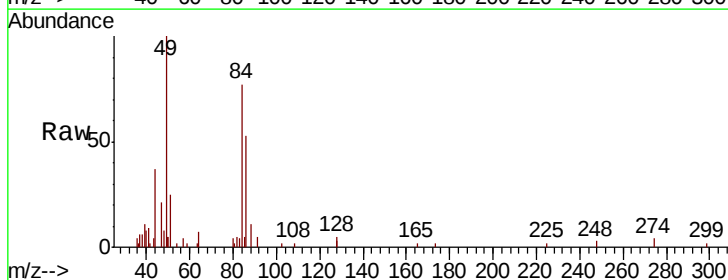
#13  
 Ethanol  
 Concen: 0.318 ppbv  
 RT: 3.64  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 20 Apr 2021 23:42

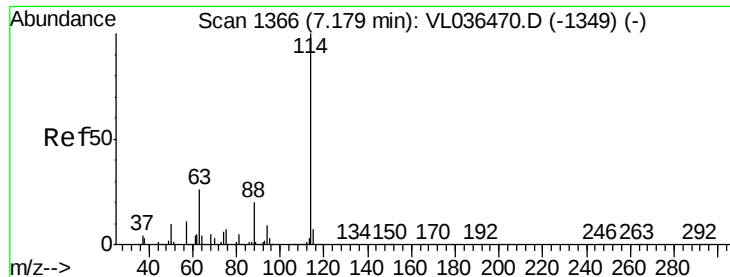
Tot Ion: 45 Resp: 2658  
 Ion Ratio Lower Upper  
 45 100  
 46 0.0 16.6 66.2#



#20  
 Methylene Chloride  
 Concen: 0.231 ppbv  
 RT: 4.35 min Scan# 486  
 Delta R.T. 0.01 min  
 Lab File: VL036835.D  
 Acq: 20 Apr 2021 23:42

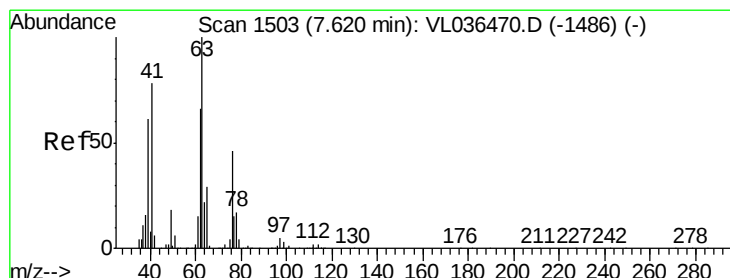
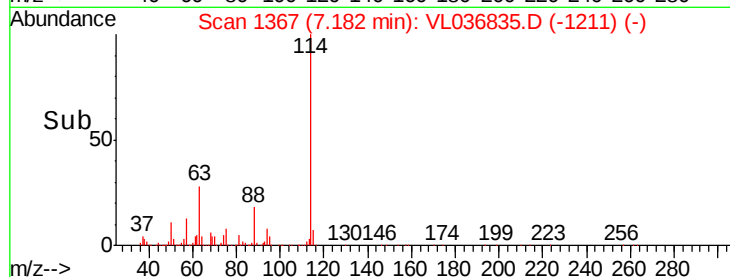
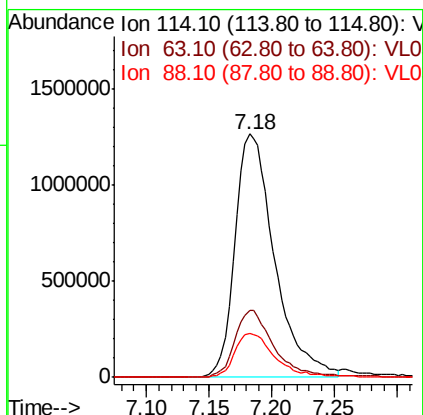
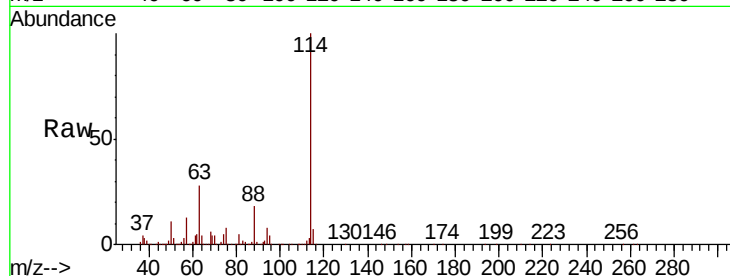
Tgt Ion: 84 Resp: 12516  
 Ion Ratio Lower Upper  
 84 100  
 49 125.4 122.9 184.3  
 51 24.7 36.9 55.3#  
 86 68.9 48.2 72.4





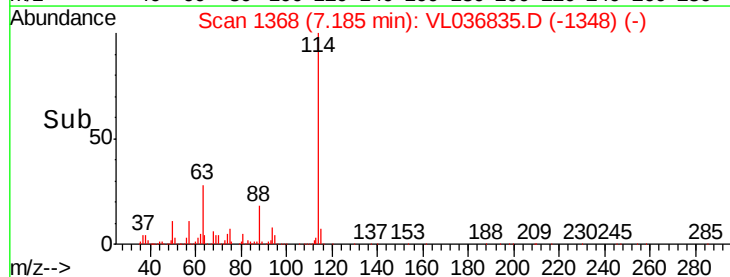
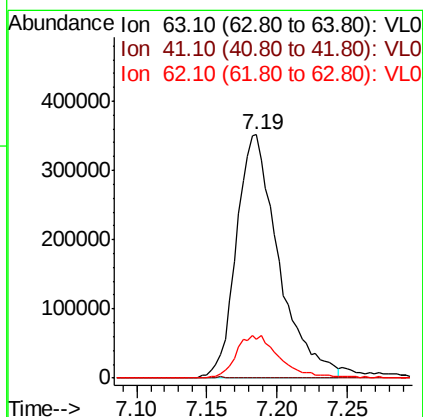
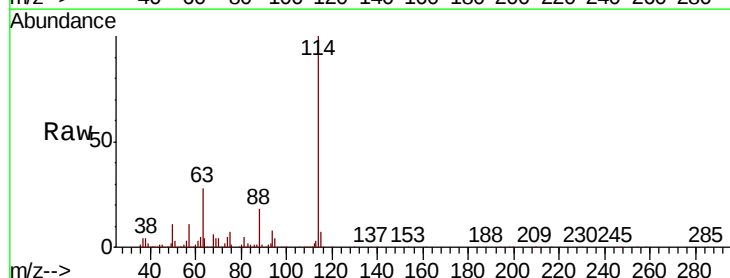
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.18 Instrument :  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 20 Apr 2021 23:42

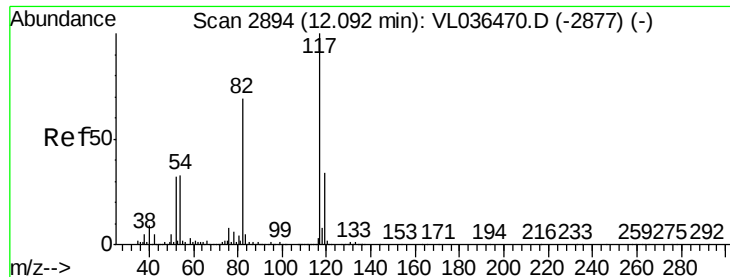
Tot Ion: 114 Resp: 2790300  
 Ion Ratio Lower Upper  
 114 100  
 63 27.8 22.4 33.6  
 88 18.8 15.4 23.0



#39  
 1,2-Dichloropropane  
 Concen: 7.071 ppbv  
 RT: 7.19 min Scan# 1368  
 Delta R.T. -0.43 min  
 Lab File: VL036835.D  
 Acq: 20 Apr 2021 23:42

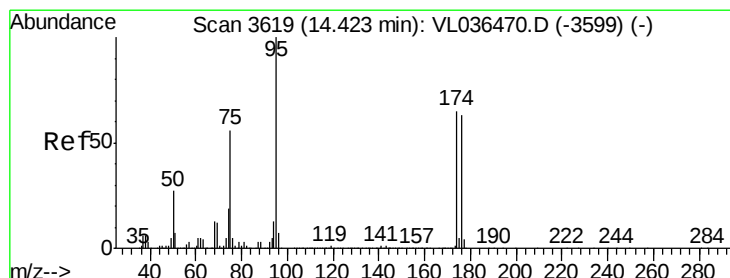
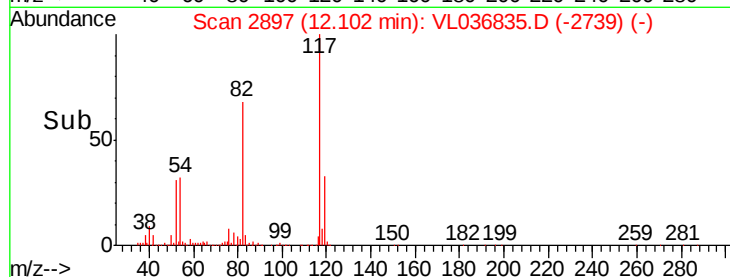
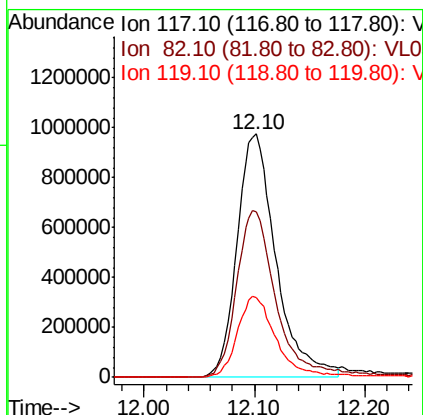
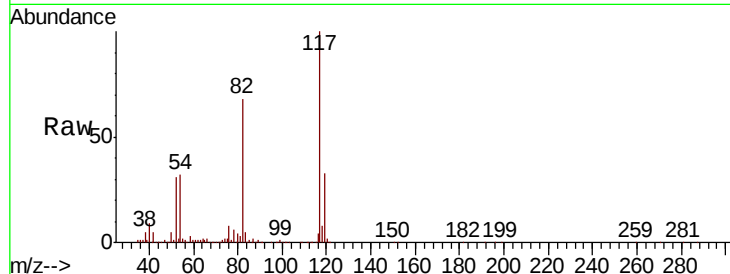
Tgt Ion: 63 Resp: 738136  
 Ion Ratio Lower Upper  
 63 100  
 41 0.2 62.4 93.6#  
 62 16.0 52.8 79.2#





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.10 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 20 Apr 2021 23:42

Tot Ion: 117 Resp: 2389995  
Ion Ratio Lower Upper  
117 100  
82 71.3 57.4 86.0  
119 34.2 47.4 71.0#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.453 ppbv  
RT: 14.43 min Scan# 3622  
Delta R.T.: 0.01 min  
Lab File: VL036835.D  
Acq: 20 Apr 2021 23:42

Tgt Ion: 95 Resp: 1800743  
Ion Ratio Lower Upper  
95 100  
174 64.7 51.0 76.6  
175 4.8 3.9 5.9

