

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110121\  
 Data File : VL037944.D  
 Acq On : 1 Nov 2021 18:55  
 Operator : SY/AP  
 Sample : QC102721 CAN 10604  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC102721 CAN 10604

Quant Time: Nov 02 06:07:22 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL110121AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue Nov 02 05:54:07 2021  
 QLast Update : Tue Nov 02 05:54:07 2021  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.658  | 49   | 1479201  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.163  | 114  | 4276959  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.073 | 117  | 3635385  | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 14.400 | 95    | 2593238  | 9.813    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.100% |

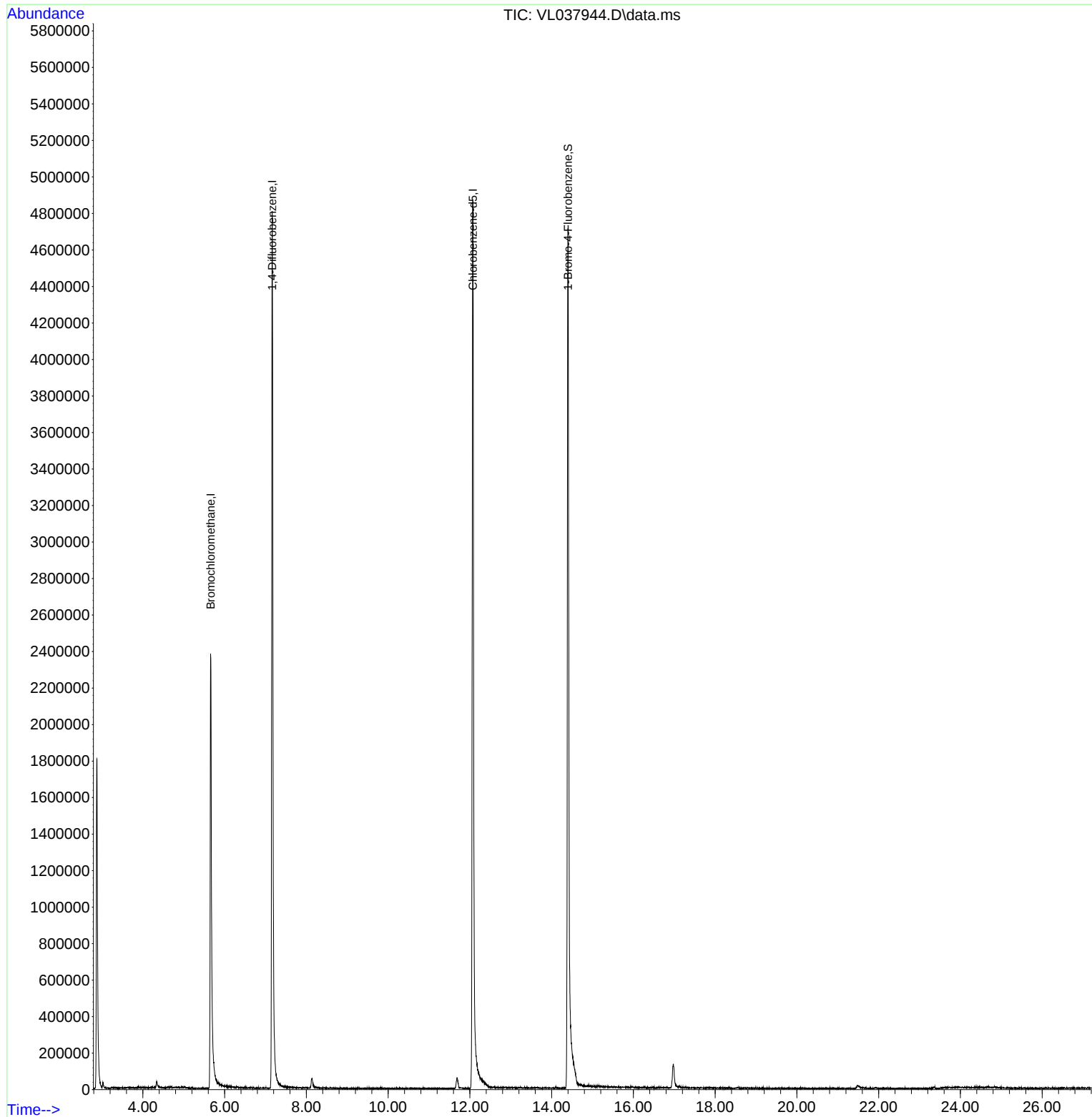
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

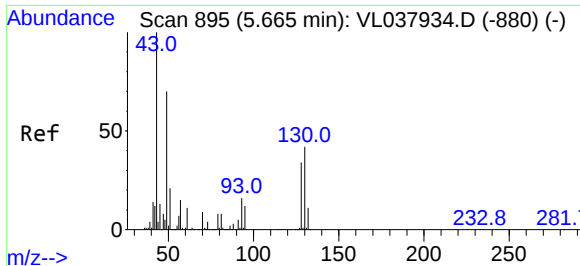
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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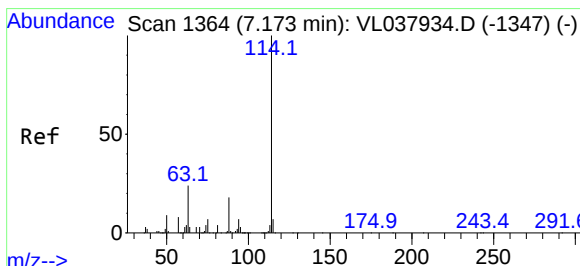
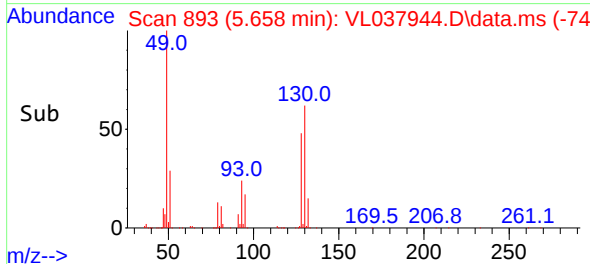
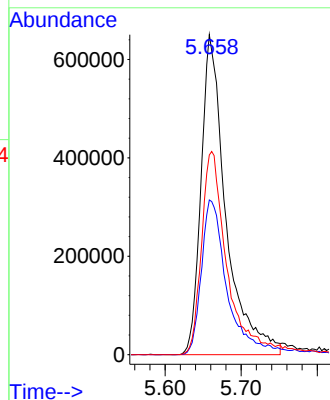
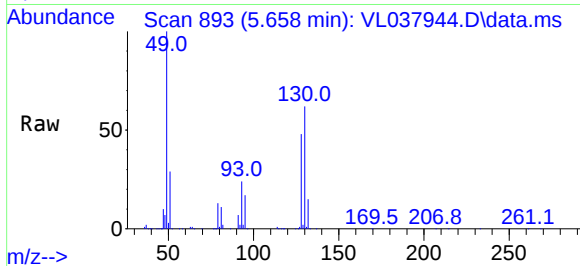


#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.658 min Scan# 895  
Delta R.T. -0.007 min  
Lab File: VL037944.D  
Acq: 1 Nov 2021 18:55

Instrument :  
MSVOA\_L  
ClientSampleId :  
QC102721 CAN 10604

Tgt Ion: 49 Resp: 1479201

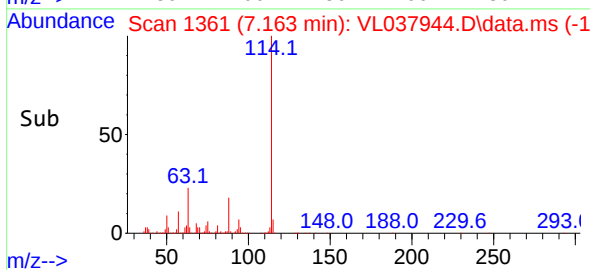
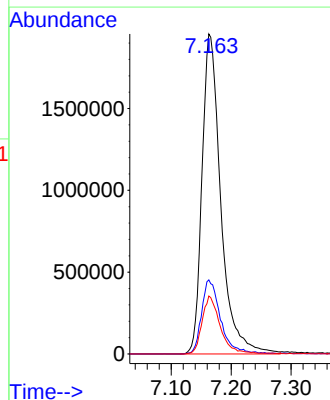
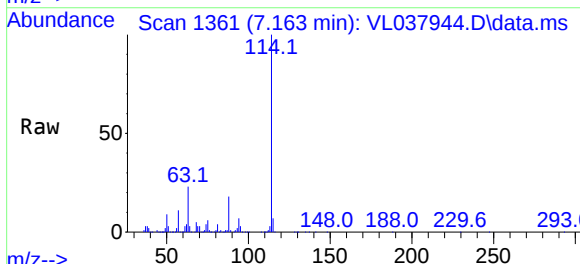
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 51.8  | 27.0  | 81.0  |
| 130 | 68.3  | 33.4  | 100.2 |

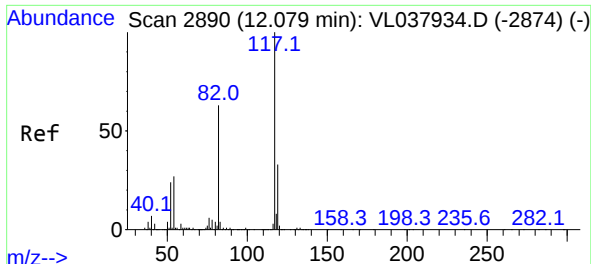


#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.163 min Scan# 1361  
Delta R.T. -0.010 min  
Lab File: VL037944.D  
Acq: 1 Nov 2021 18:55

Tgt Ion: 114 Resp: 4276959

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 23.8  | 19.4  | 29.0  |
| 88  | 17.6  | 14.2  | 21.4  |





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.073 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL037944.D

Acq: 1 Nov 2021 18:55

Instrument :

MSVOA\_L

ClientSampleId :

QC102721 CAN 10604

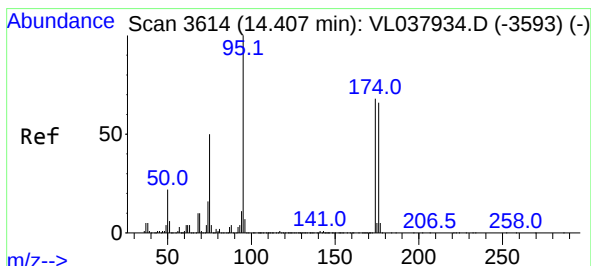
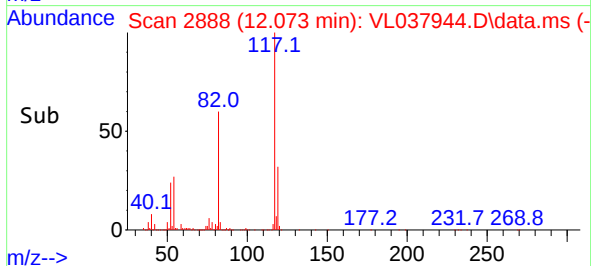
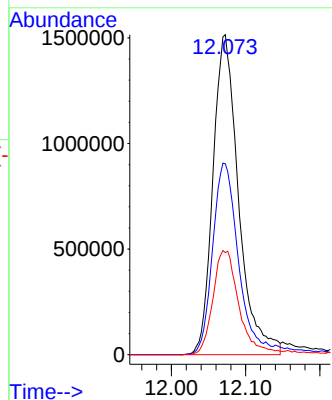
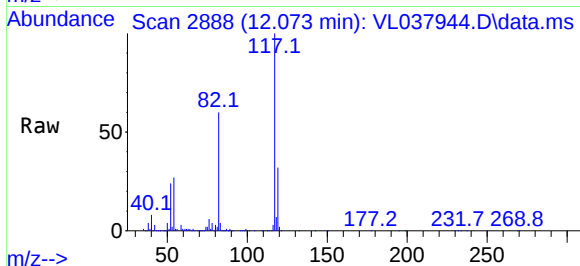
Tgt Ion:117 Resp: 3635385

Ion Ratio Lower Upper

117 100

82 64.5 51.0 76.6

119 34.1 26.9 40.3



#68

1-Bromo-4-Fluorobenzene

Concen: 9.813 ppbv

RT: 14.400 min Scan# 3612

Delta R.T. -0.007 min

Lab File: VL037944.D

Acq: 1 Nov 2021 18:55

Tgt Ion: 95 Resp: 2593238

Ion Ratio Lower Upper

95 100

174 75.8 58.3 87.5

175 5.8 4.6 6.8

