

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121724\  
Data File : VL041772.D  
Acq On : 17 Dec 2024 10:36  
Operator : SY/MD  
Sample : VL1217ABL01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1217ABL01

Quant Time: Dec 21 01:22:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Thu Dec 19 07:32:09 2024  
Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.793 | 49   | 62306    | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 165193   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.891 | 117  | 141917   | 10.000 | ppbv  | 0.01     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 10.383 | 95    | 113821   | 9.624    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 96.200% |

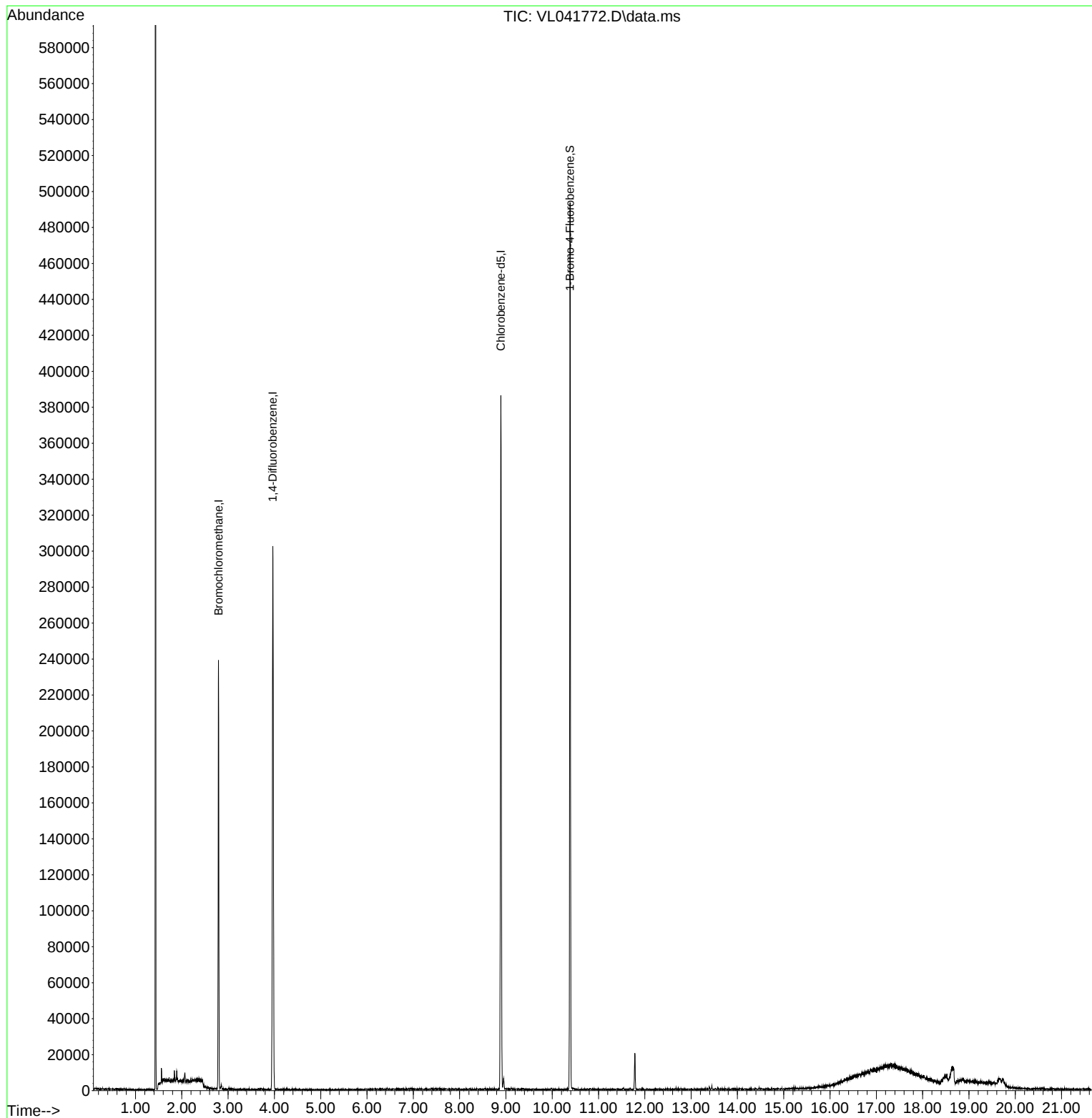
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

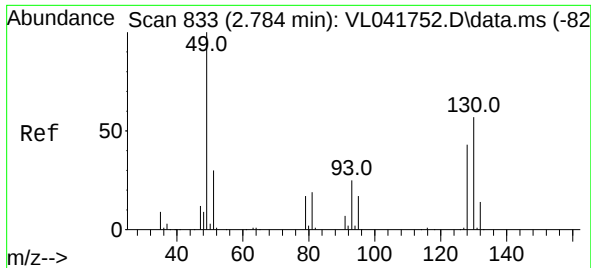
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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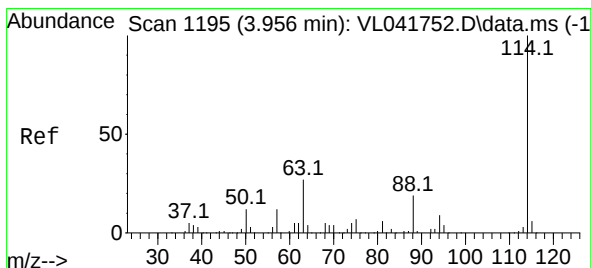
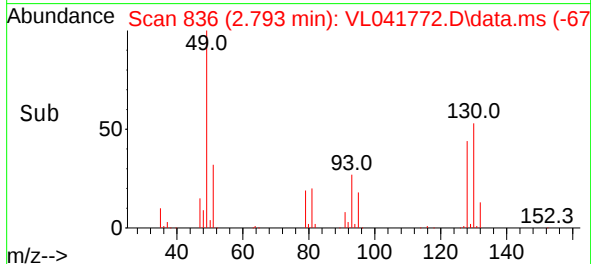
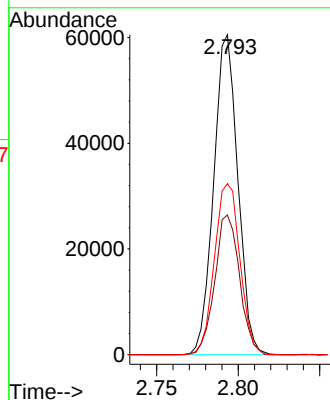
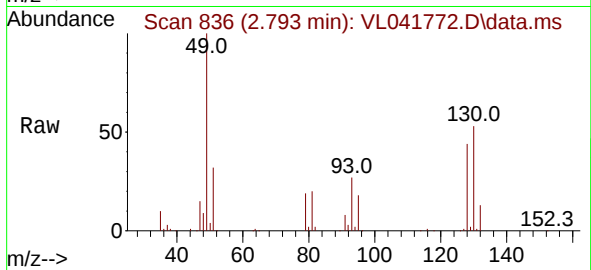




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.793 min Scan# 833  
Delta R.T. 0.009 min  
Lab File: VL041772.D  
Acq: 17 Dec 2024 10:36

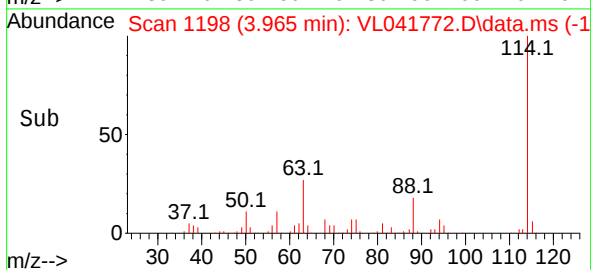
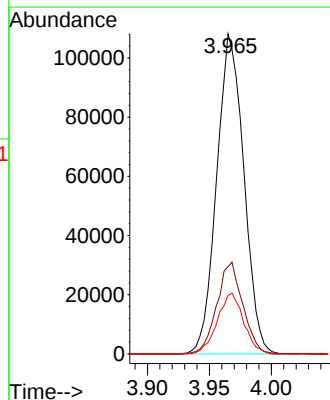
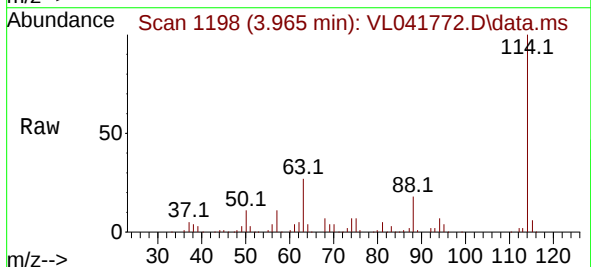
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1217ABL01

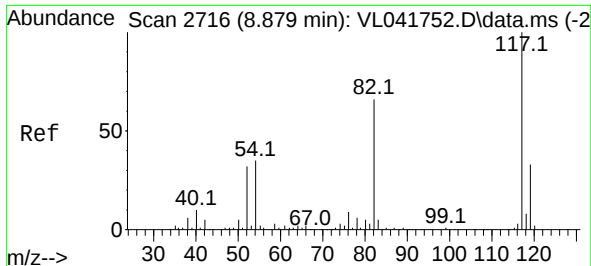
Tgt Ion: 49 Resp: 62306  
Ion Ratio Lower Upper  
49 100  
128 44.9 21.6 64.6  
130 56.4 28.3 85.0



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.965 min Scan# 1198  
Delta R.T. 0.009 min  
Lab File: VL041772.D  
Acq: 17 Dec 2024 10:36

Tgt Ion: 114 Resp: 165193  
Ion Ratio Lower Upper  
114 100  
63 27.4 21.8 32.8  
88 18.4 14.8 22.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL041772.D

Acq: 17 Dec 2024 10:36

Instrument :

MSVOA\_1

ClientSampleId :

VL1217ABL01

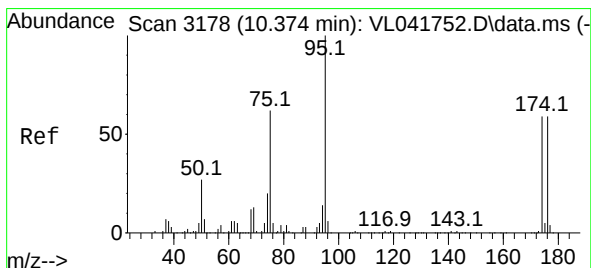
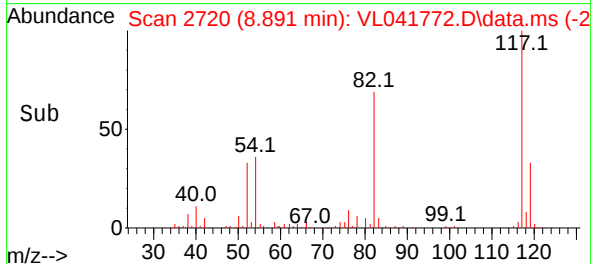
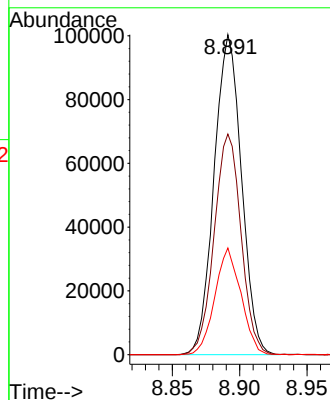
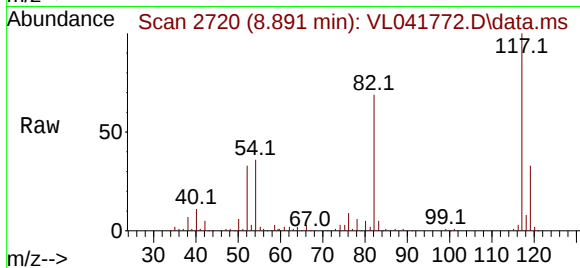
Tgt Ion:117 Resp: 141917

Ion Ratio Lower Upper

117 100

82 67.7 53.8 80.8

119 31.9 26.7 40.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.624 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.009 min

Lab File: VL041772.D

Acq: 17 Dec 2024 10:36

Tgt Ion: 95 Resp: 113821

Ion Ratio Lower Upper

95 100

174 58.7 47.6 71.4

175 4.9 3.7 5.5

