

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL021025\  
 Data File : VL041992.D  
 Acq On : 10 Feb 2025 17:21  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Quant Time: Feb 11 01:26:46 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Jan 14 23:15:42 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.780 | 49   | 132221   | 10.000 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 3.946 | 114  | 377885   | 10.000 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 8.868 | 117  | 318256   | 10.000 | ppbv  | -0.03    |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 10.367 | 95    | 234009   | 9.335    | ppbv | -0.02   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 93.400% |

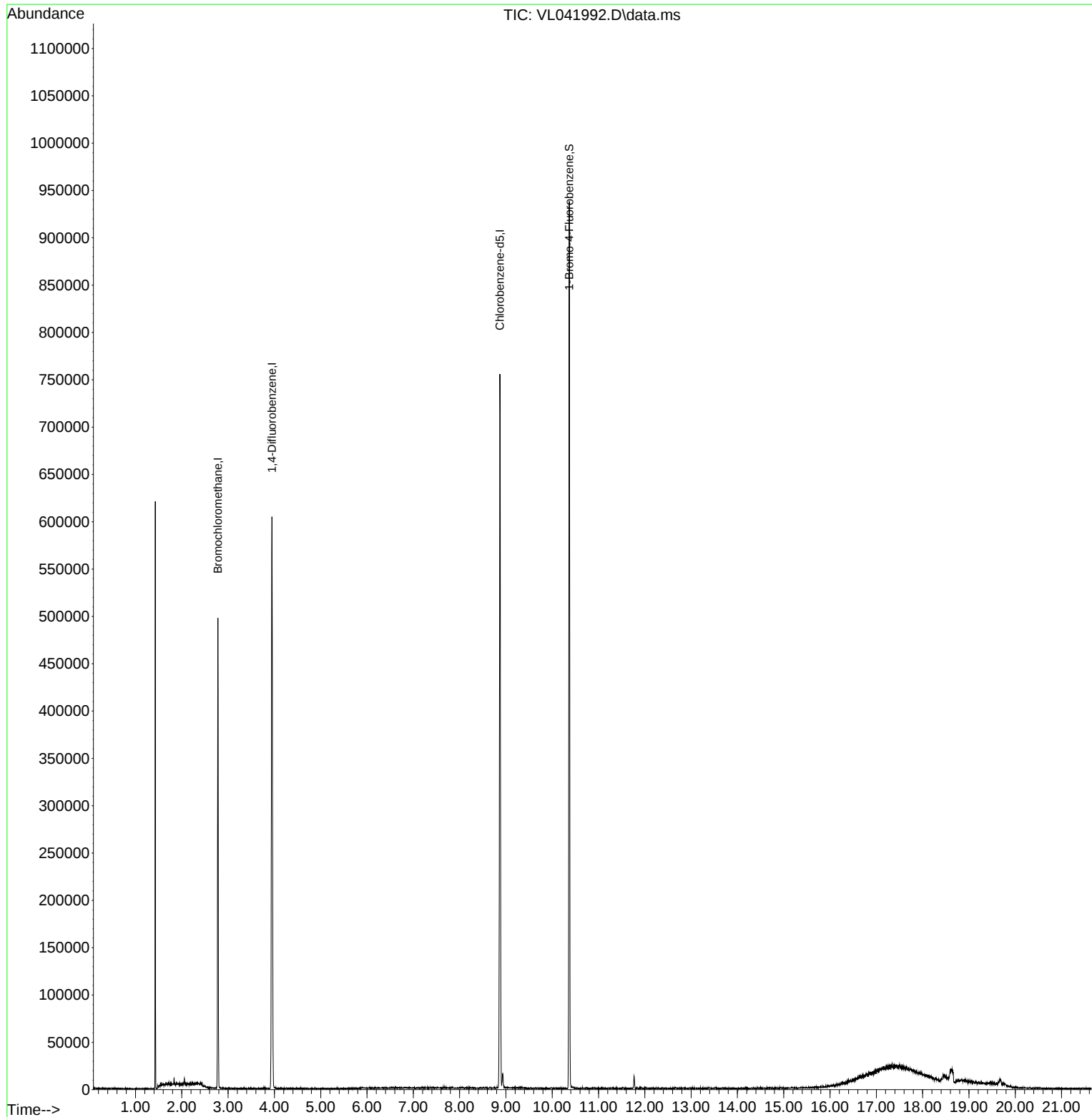
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

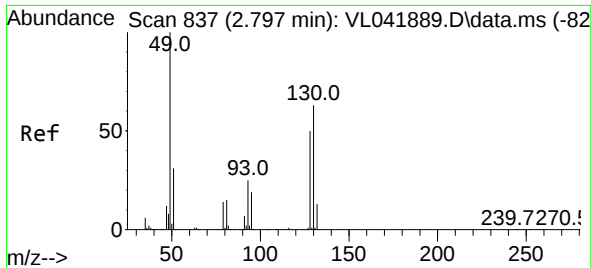
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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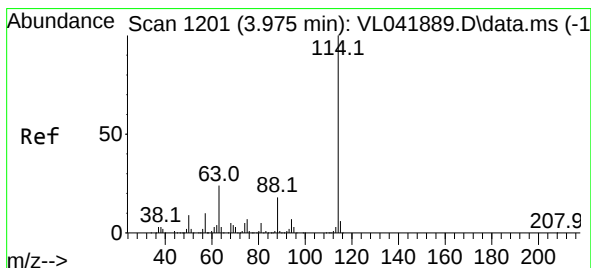
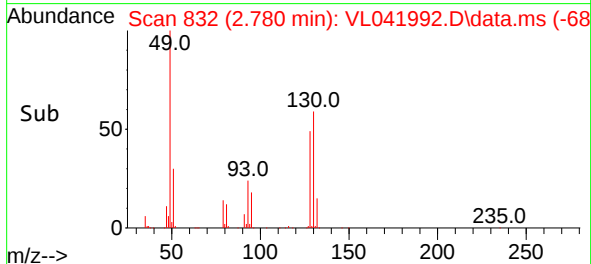
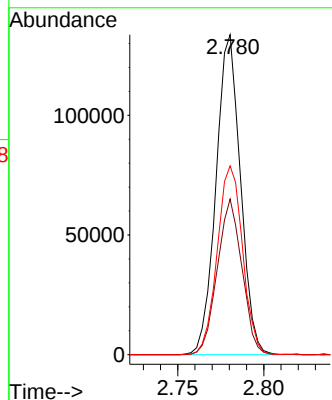
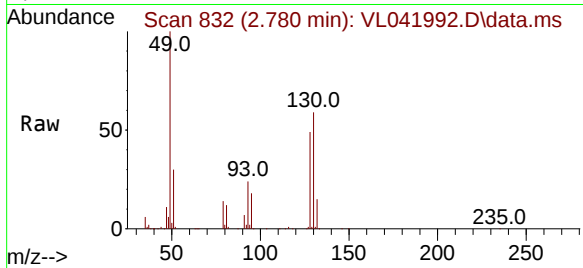




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.780 min Scan# 81  
Delta R.T. -0.017 min  
Lab File: VL041992.D  
Acq: 10 Feb 2025 17:21

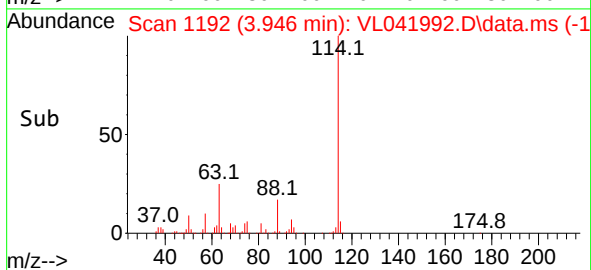
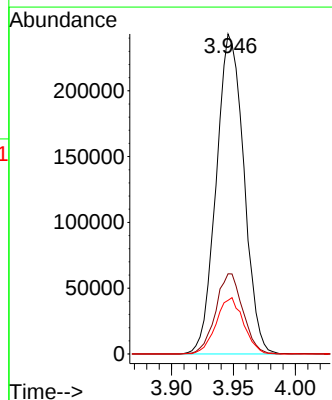
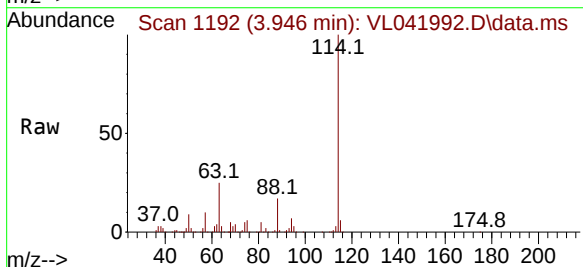
Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

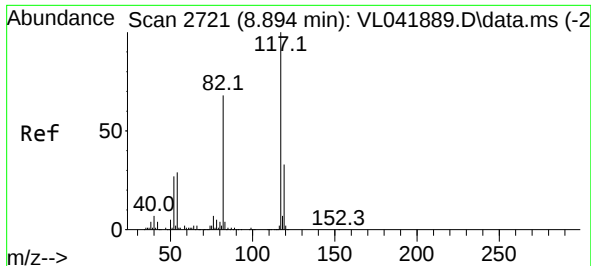
Tgt Ion: 49 Resp: 132221  
Ion Ratio Lower Upper  
49 100  
128 48.9 24.3 73.0  
130 61.0 31.1 93.2



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.946 min Scan# 1192  
Delta R.T. -0.029 min  
Lab File: VL041992.D  
Acq: 10 Feb 2025 17:21

Tgt Ion: 114 Resp: 377885  
Ion Ratio Lower Upper  
114 100  
63 24.7 19.8 29.6  
88 17.4 14.4 21.6

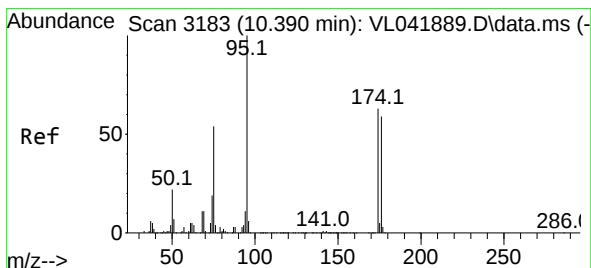
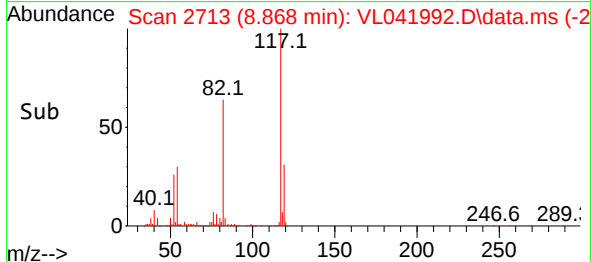
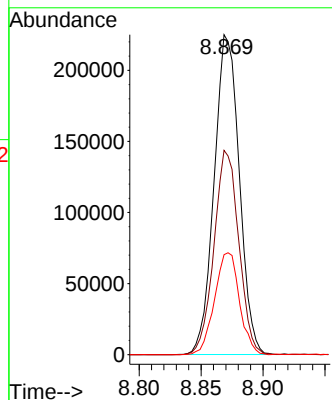
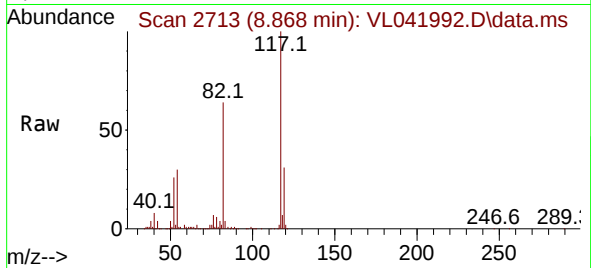




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.868 min Scan# 21  
Delta R.T. -0.026 min  
Lab File: VL041992.D  
Acq: 10 Feb 2025 17:21

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Tgt Ion:117 Resp: 318256  
Ion Ratio Lower Upper  
117 100  
82 63.1 54.2 81.4  
119 31.6 25.0 37.6



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.335 ppbv  
RT: 10.367 min Scan# 3176  
Delta R.T. -0.023 min  
Lab File: VL041992.D  
Acq: 10 Feb 2025 17:21

Tgt Ion: 95 Resp: 234009  
Ion Ratio Lower Upper  
95 100  
174 60.9 49.0 73.4  
175 4.6 3.8 5.8

