

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL072022\  
 Data File : VL039513.D  
 Acq On : 20 Jul 2022 16:38  
 Operator : SY/AP  
 Sample : N3750-02 40X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV-2DL2

Quant Time: Jul 21 06:07:44 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

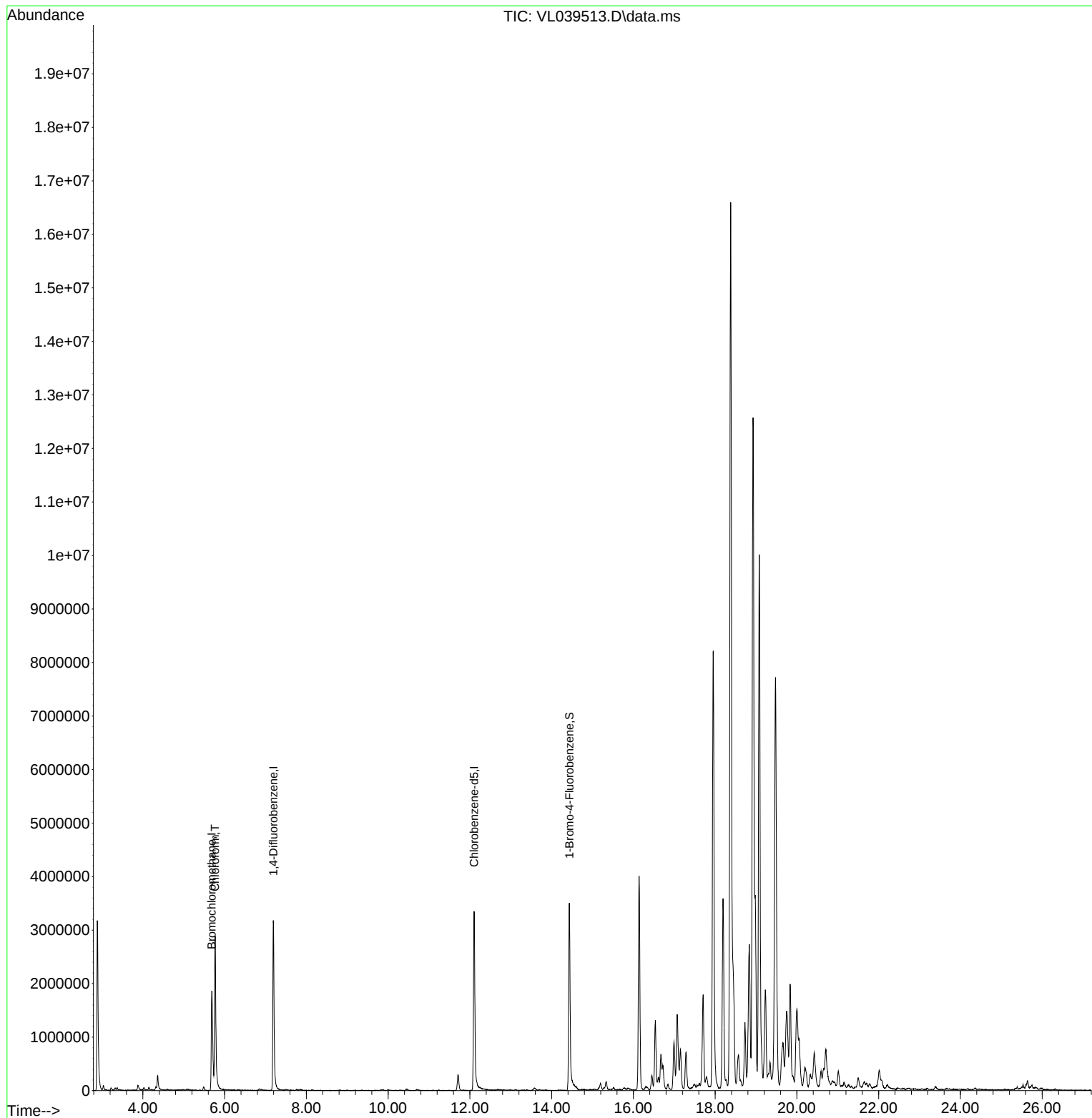
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Bromochloromethane       | 5.684  | 49    | 905988   | 10.000   | ppbv  | 0.03     |
| 33) 1,4-Difluorobenzene     | 7.192  | 114   | 2676672  | 10.000   | ppbv  | 0.04     |
| 55) Chlorobenzene-d5        | 12.105 | 117   | 2297582  | 10.000   | ppbv  | 0.04     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 68) 1-Bromo-4-Fluorobenzene | 14.433 | 95    | 1769201  | 10.380   | ppbv  | 0.04     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =     | 103.800% |
| Target Compounds            |        |       |          |          |       |          |
| 29) Chloroform              | 5.767  | 83    | 2318143  | 15.048   | ppbv  | 99       |
| -----                       |        |       |          |          |       |          |

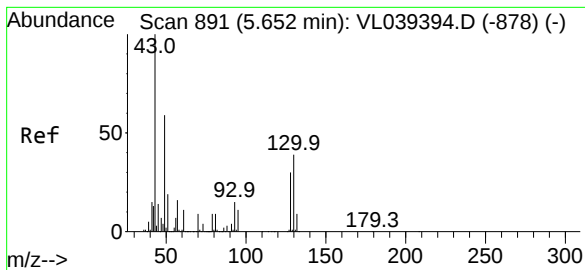
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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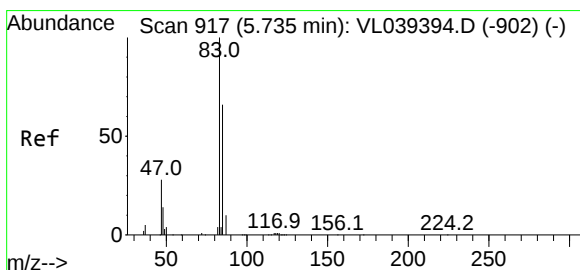
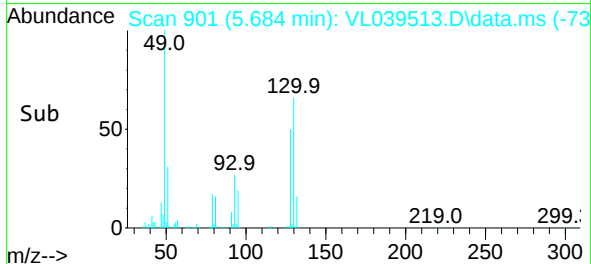
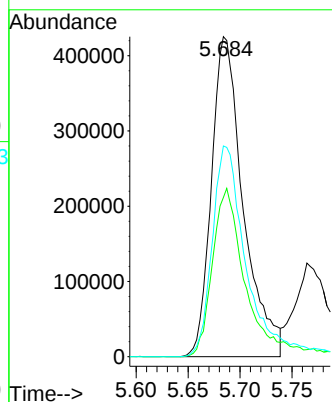
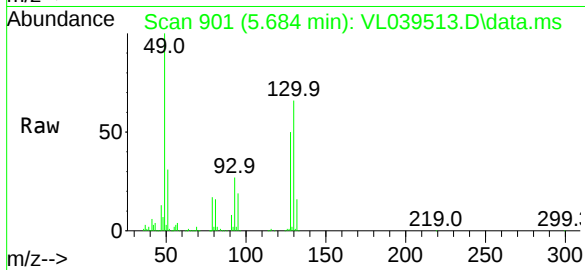




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.684 min Scan# 901  
Delta R.T. 0.032 min  
Lab File: VL039513.D  
Acq: 20 Jul 2022 16:38

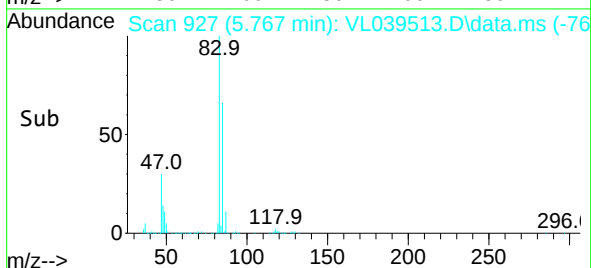
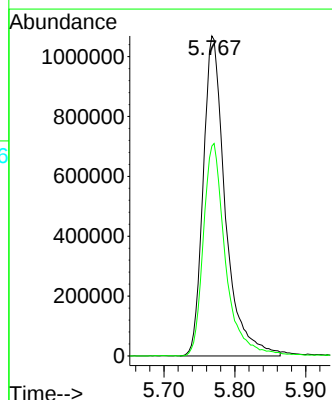
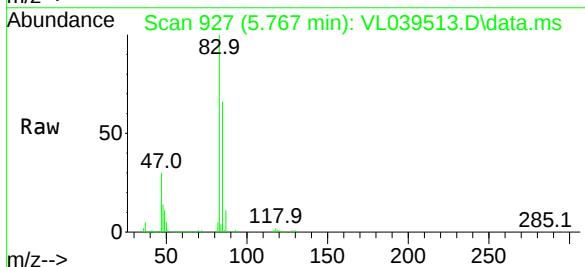
Instrument :  
MSVOA\_1  
ClientSampleId :  
SV-2DL2

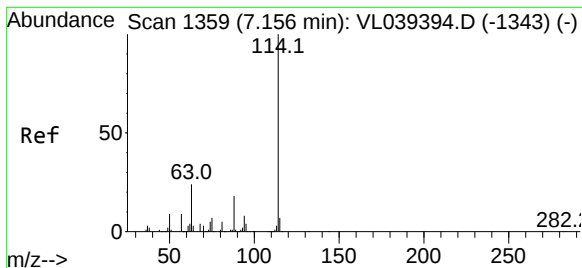
Tgt Ion: 49 Resp: 905988  
Ion Ratio Lower Upper  
49 100  
128 56.4 26.7 80.0  
130 74.2 34.3 102.8



#29  
Chloroform  
Concen: 15.048 ppbv  
RT: 5.767 min Scan# 927  
Delta R.T. 0.032 min  
Lab File: VL039513.D  
Acq: 20 Jul 2022 16:38

Tgt Ion: 83 Resp: 2318143  
Ion Ratio Lower Upper  
83 100  
85 65.5 52.8 79.2

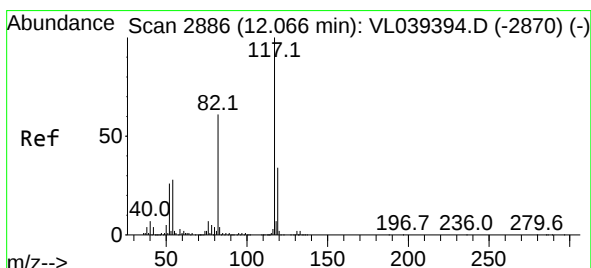
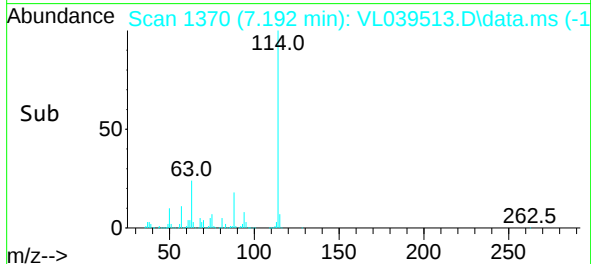
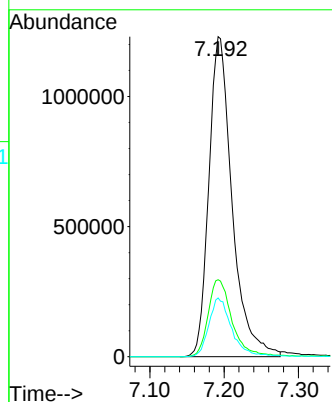
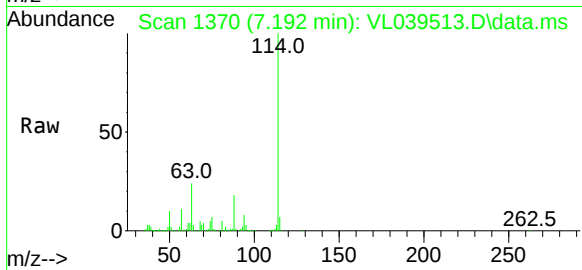




#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.192 min Scan# 114  
Delta R.T. 0.035 min  
Lab File: VL039513.D  
Acq: 20 Jul 2022 16:38

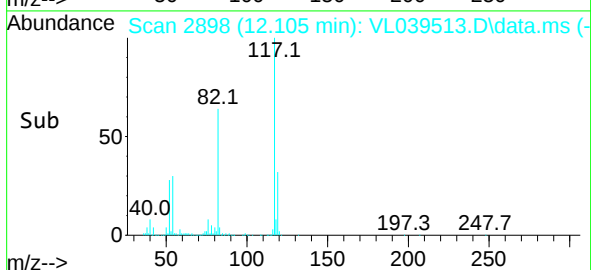
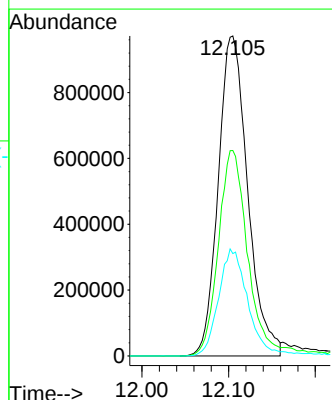
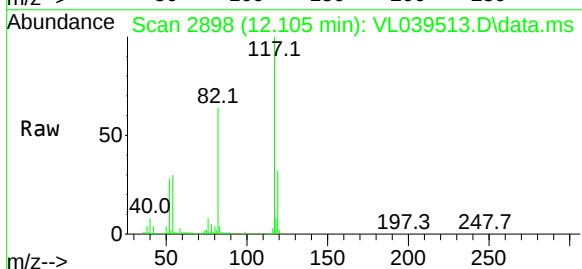
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV-2DL2

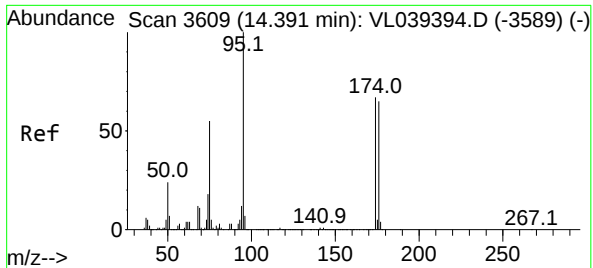
Tgt Ion:114 Resp: 2676672  
Ion Ratio Lower Upper  
114 100  
63 25.2 20.2 30.4  
88 18.3 14.5 21.7



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.105 min Scan# 2898  
Delta R.T. 0.039 min  
Lab File: VL039513.D  
Acq: 20 Jul 2022 16:38

Tgt Ion:117 Resp: 2297582  
Ion Ratio Lower Upper  
117 100  
82 66.0 50.8 76.2  
119 34.4 24.1 36.1





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.380 ppbv  
 RT: 14.433 min Scan# 3622  
 Delta R.T. 0.042 min  
 Lab File: VL039513.D  
 Acq: 20 Jul 2022 16:38

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV-2DL2

Tgt Ion: 95 Resp: 1769201

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 72.5  | 55.9  | 83.9  |
| 175 | 5.3   | 4.2   | 6.4   |

