

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL102522\  
 Data File : VL039801.D  
 Acq On : 25 Oct 2022 23:59  
 Operator : SY/AP  
 Sample : N5227-09DL 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IDL

Quant Time: Oct 28 08:40:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL102422AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Oct 24 20:00:55 2022  
 Response via : Initial Calibration

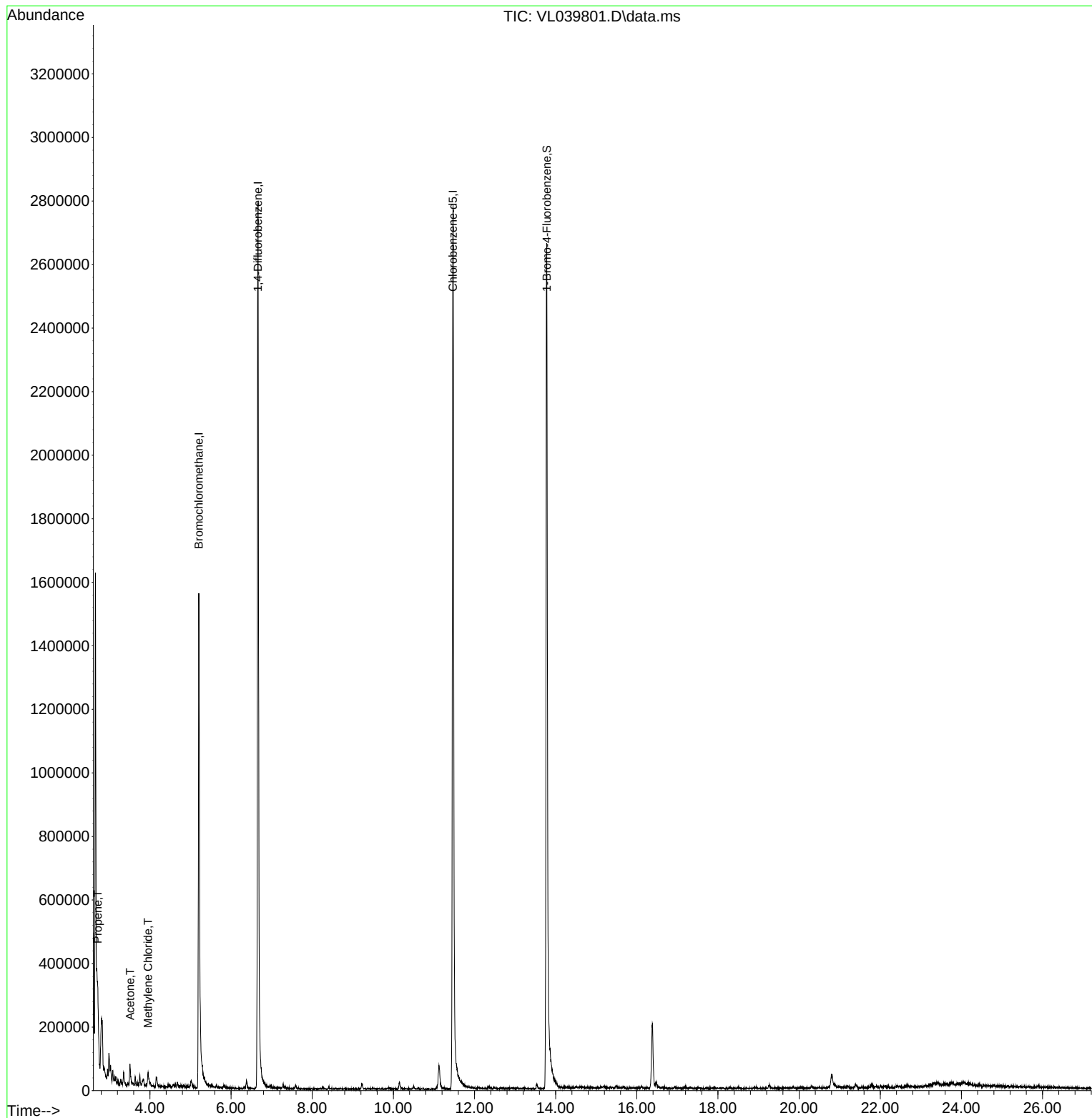
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.205  | 49    | 844630   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.664  | 114   | 2257743  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.468 | 117   | 1950198  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.780 | 95    | 1377103  | 9.926    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 99.300%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 2.716  | 41    | 70860    | 1.625    | ppbv   | 89       |
| 15) Acetone                 | 3.510  | 43    | 54398    | 0.539    | ppbv # | 79       |
| 20) Methylene Chloride      | 3.954  | 84    | 11691    | 0.305    | ppbv # | 77       |
| -----                       |        |       |          |          |        |          |

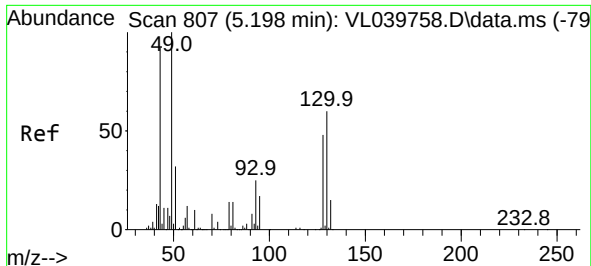
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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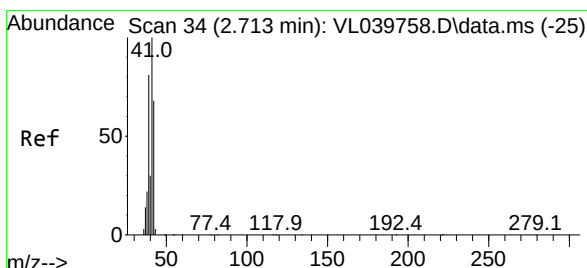
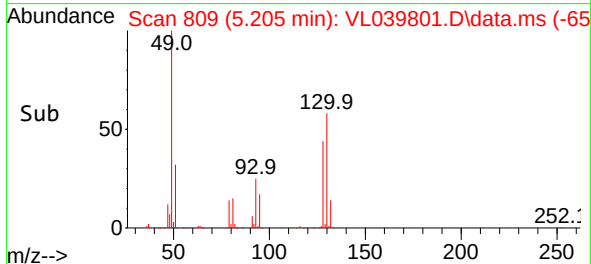
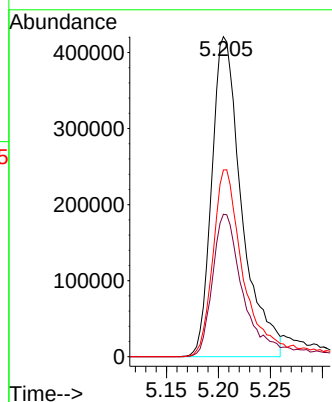
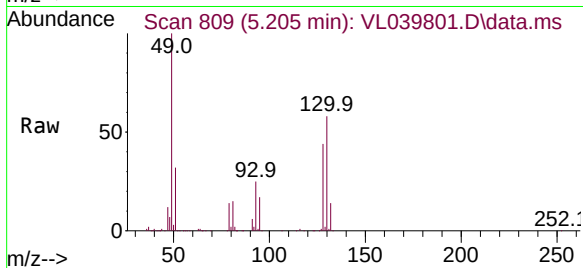




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.205 min Scan# 80  
Delta R.T. 0.007 min  
Lab File: VL039801.D  
Acq: 25 Oct 2022 23:59

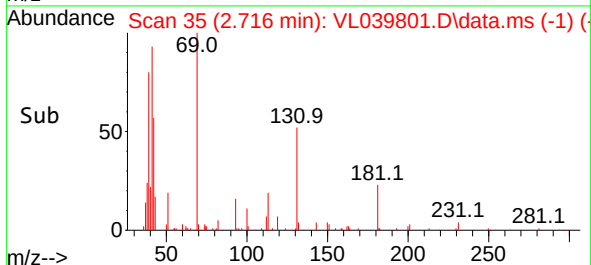
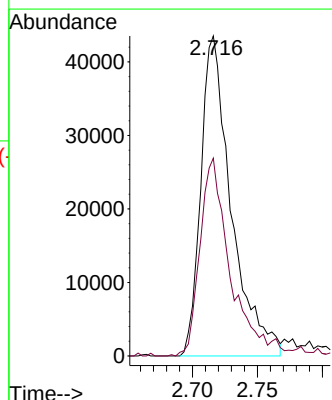
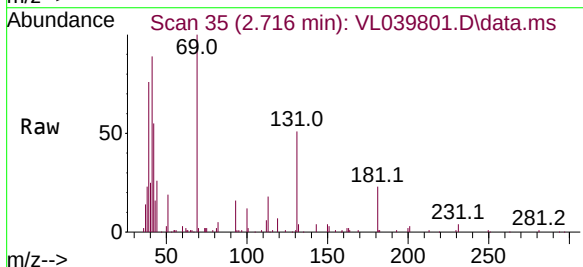
Instrument :  
MSVOA\_1  
ClientSampleId :  
IDL

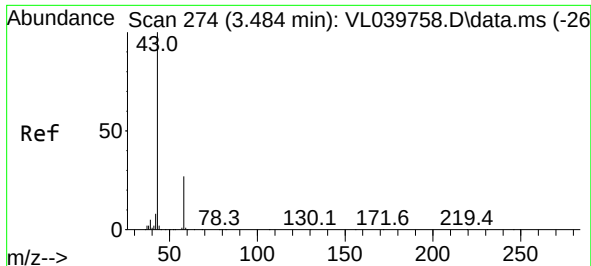
Tgt Ion: 49 Resp: 844630  
Ion Ratio Lower Upper  
49 100  
128 49.1 24.6 74.0  
130 64.2 31.8 95.3



#9  
Propene  
Concen: 1.625 ppbv  
RT: 2.716 min Scan# 35  
Delta R.T. 0.003 min  
Lab File: VL039801.D  
Acq: 25 Oct 2022 23:59

Tgt Ion: 41 Resp: 70860  
Ion Ratio Lower Upper  
41 100  
42 63.2 58.0 87.0

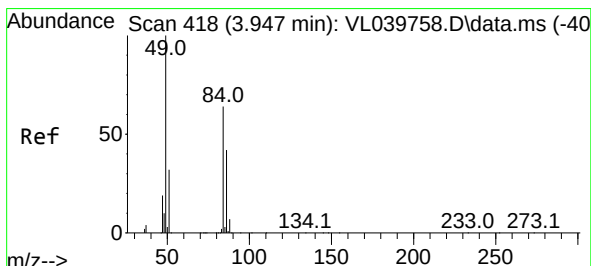
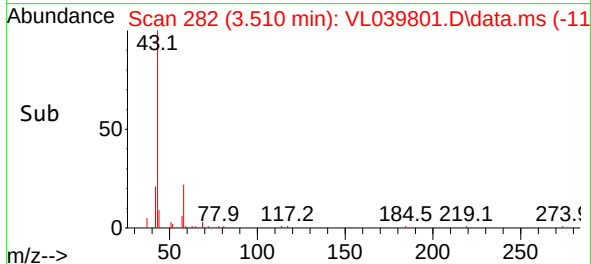
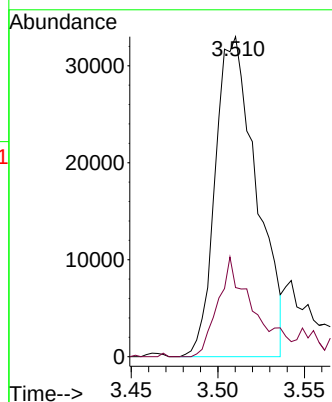
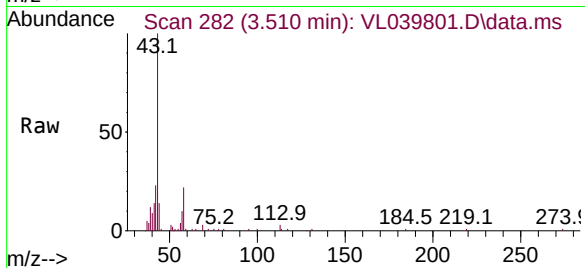




#15  
Acetone  
Concen: 0.539 ppbv  
RT: 3.510 min Scan# 21  
Delta R.T. 0.026 min  
Lab File: VL039801.D  
Acq: 25 Oct 2022 23:59

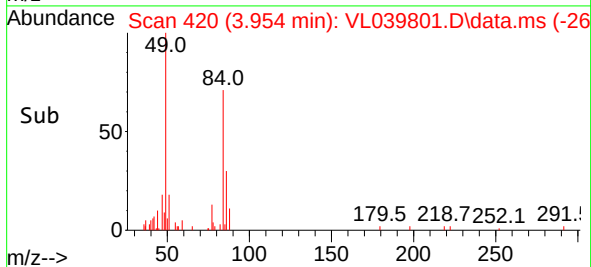
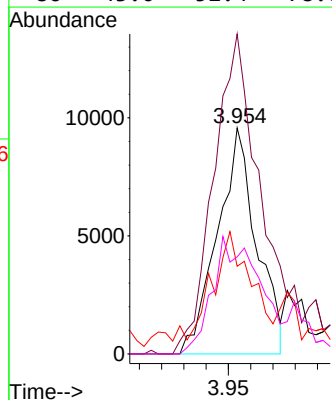
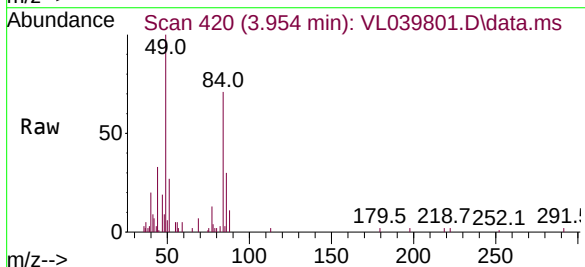
Instrument :  
MSVOA\_L  
ClientSampleId :  
IDL

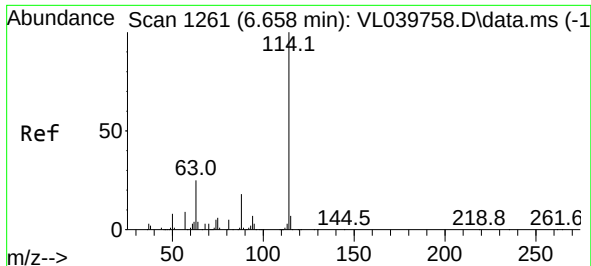
Tgt Ion: 43 Resp: 54398  
Ion Ratio Lower Upper  
43 100  
58 36.5 20.7 31.1#



#20  
Methylene Chloride  
Concen: 0.305 ppbv  
RT: 3.954 min Scan# 420  
Delta R.T. 0.007 min  
Lab File: VL039801.D  
Acq: 25 Oct 2022 23:59

Tgt Ion: 84 Resp: 11691  
Ion Ratio Lower Upper  
84 100  
49 135.8 126.0 189.0  
51 26.4 40.9 61.3#  
86 43.0 52.4 78.6#

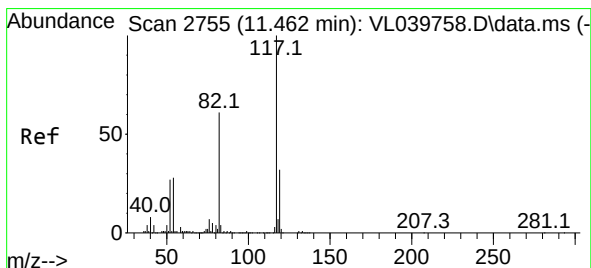
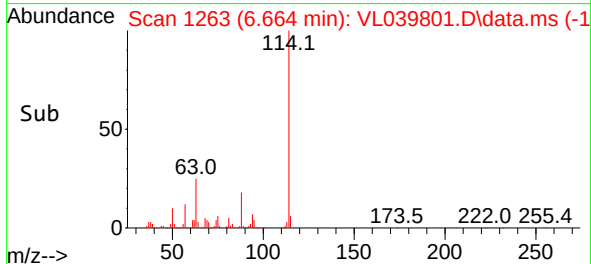
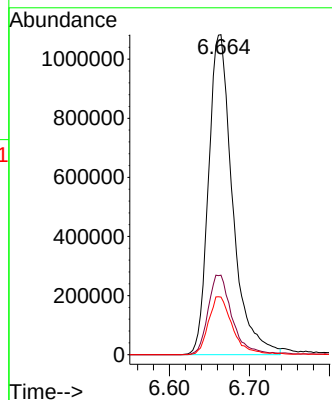
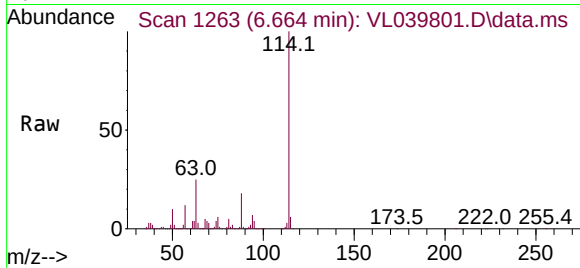




#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.664 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VL039801.D  
Acq: 25 Oct 2022 23:59

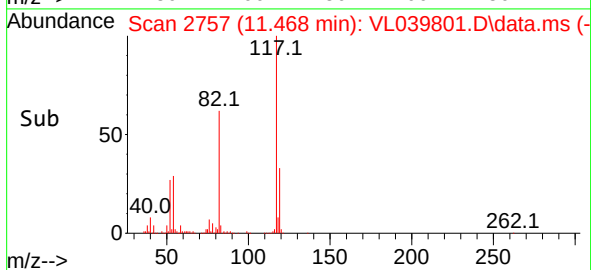
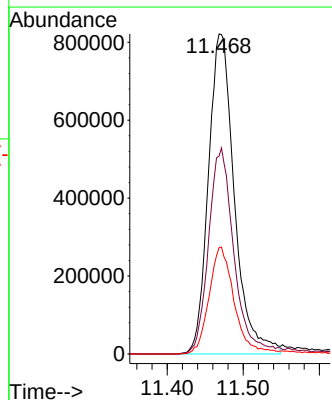
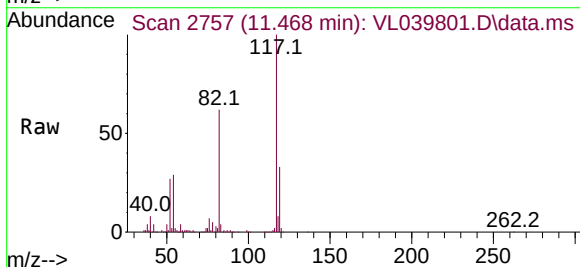
Instrument :  
MSVOA\_L  
ClientSampleId :  
IDL

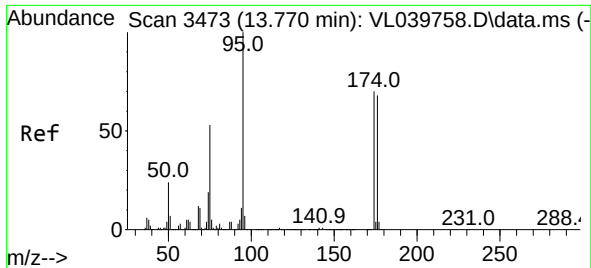
Tgt Ion:114 Resp: 2257743  
Ion Ratio Lower Upper  
114 100  
63 25.5 20.1 30.1  
88 18.4 14.5 21.7



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.468 min Scan# 2757  
Delta R.T. 0.006 min  
Lab File: VL039801.D  
Acq: 25 Oct 2022 23:59

Tgt Ion:117 Resp: 1950198  
Ion Ratio Lower Upper  
117 100  
82 65.1 49.9 74.9  
119 33.7 25.2 37.8





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.926 ppbv  
 RT: 13.780 min Scan# 34  
 Delta R.T. 0.010 min  
 Lab File: VL039801.D  
 Acq: 25 Oct 2022 23:59

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IDL

Tgt Ion: 95 Resp: 1377103  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 73.9  | 57.3  | 85.9  |
| 175 | 5.1   | 4.2   | 6.2   |

