

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL082124\  
 Data File : VL041576.D  
 Acq On : 21 Aug 2024 21:05  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Quant Time: Aug 22 15:48:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 22 01:05:17 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.195  | 49    | 919765   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.651  | 114   | 2501497  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.455 | 117   | 2265118  | 10.000   | ppbv   | # 0.00   |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.764 | 95    | 1697946  | 9.741    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 97.400%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 3.513  | 43    | 10283    | 0.098    | ppbv # | 77       |
| 20) Methylene Chloride      | 3.941  | 84    | 3542     | 0.091    | ppbv # | 80       |
| 39) 1,2-Dichloropropane     | 6.651  | 63    | 614952   | 8.788    | ppbv # | 25       |
| -----                       |        |       |          |          |        |          |

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

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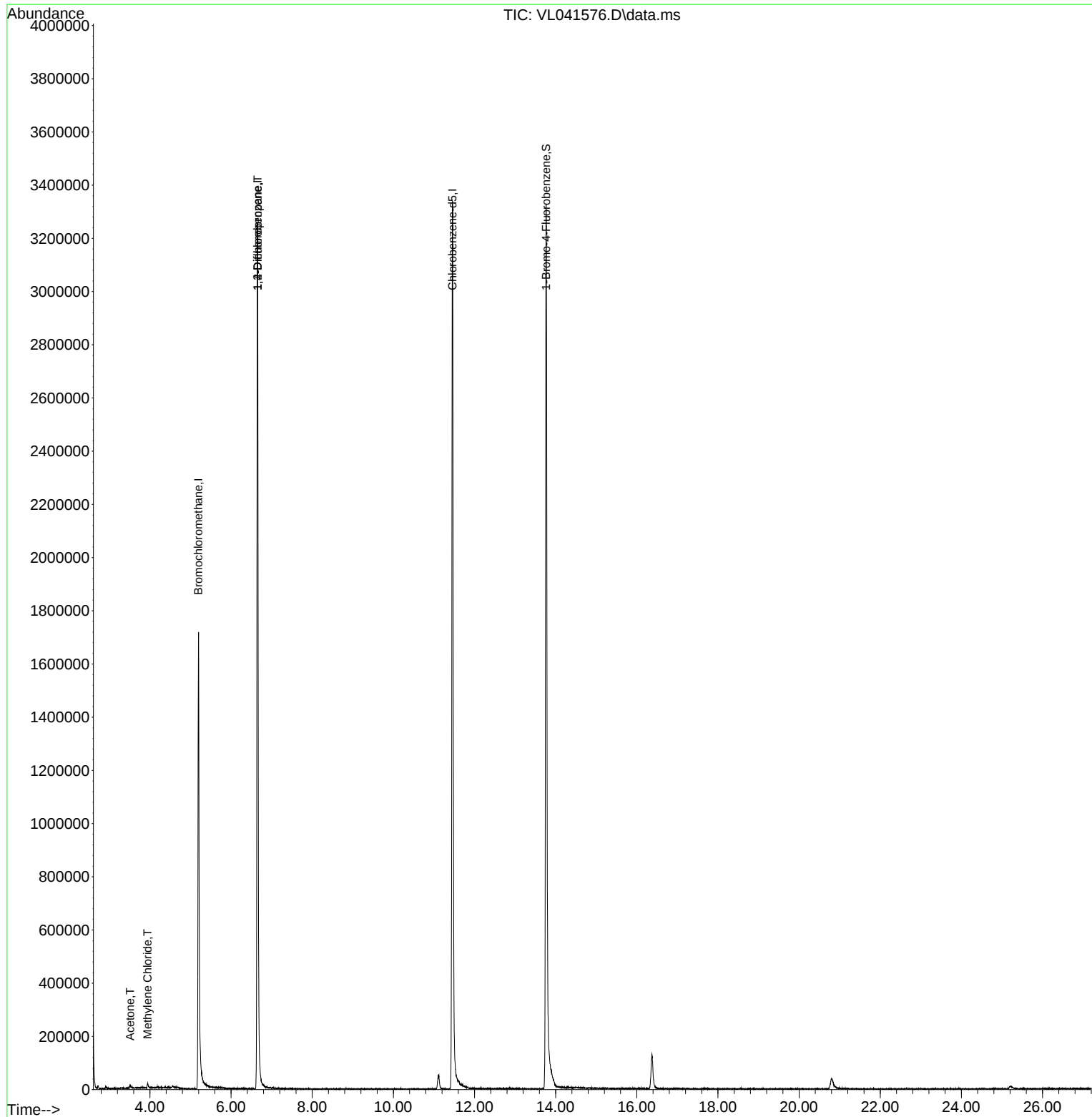
Quant Time: Aug 22 15:48:03 2024

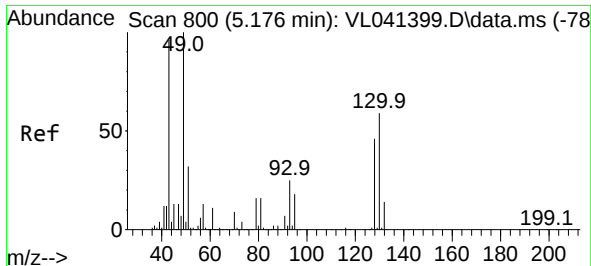
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

QLast Update : Thu Aug 22 01:05:17 2024

Response via : Initial Calibration

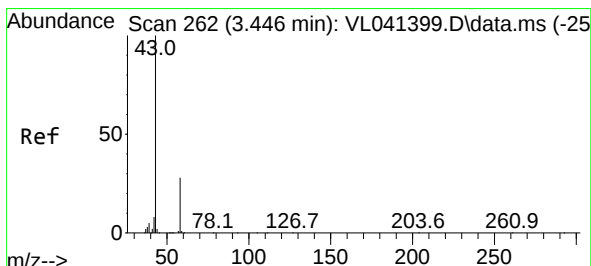
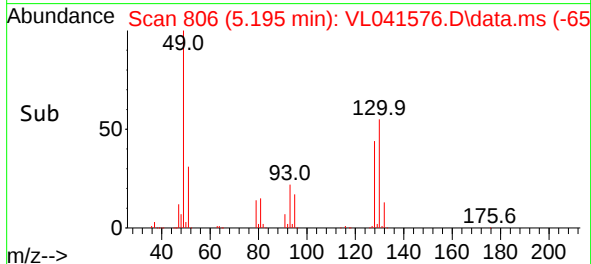
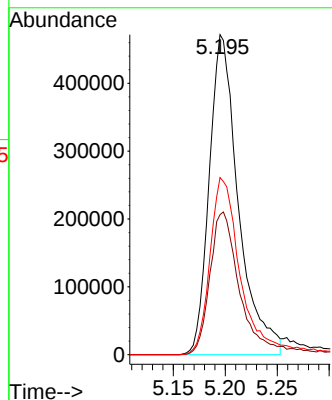
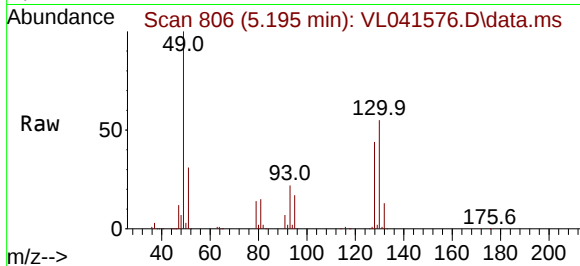




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.195 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VL041576.D  
Acq: 21 Aug 2024 21:05

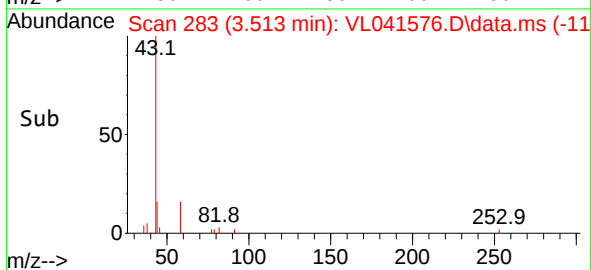
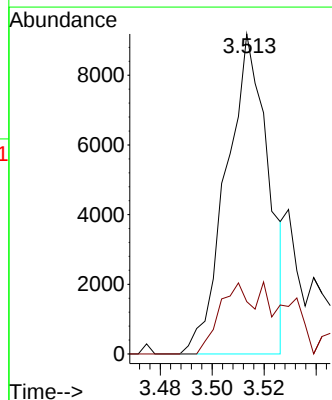
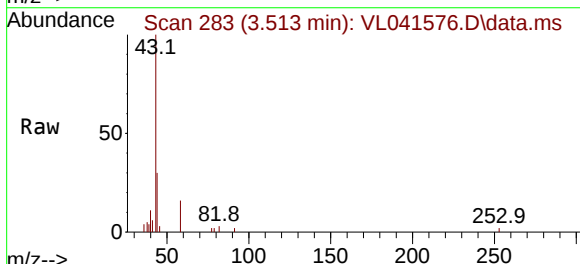
Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

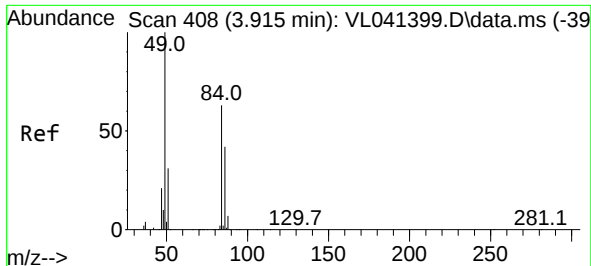
Tgt Ion: 49 Resp: 919765  
Ion Ratio Lower Upper  
49 100  
128 47.5 23.8 71.4  
130 60.8 30.8 92.4



#15  
Acetone  
Concen: 0.098 ppbv  
RT: 3.513 min Scan# 283  
Delta R.T. 0.035 min  
Lab File: VL041576.D  
Acq: 21 Aug 2024 21:05

Tgt Ion: 43 Resp: 10283  
Ion Ratio Lower Upper  
43 100  
58 38.9 21.4 32.2#

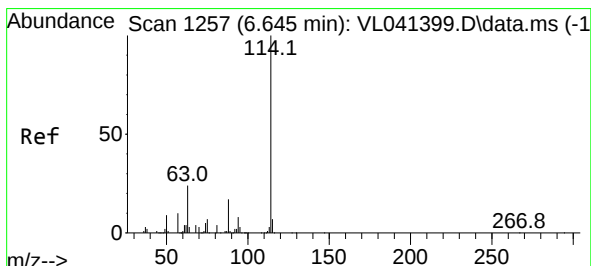
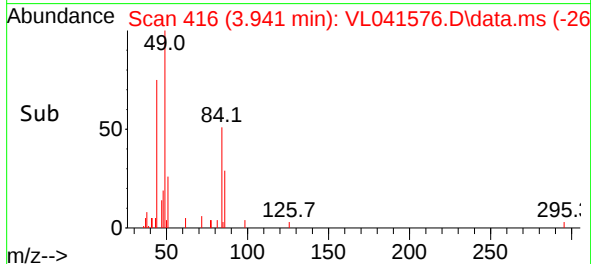
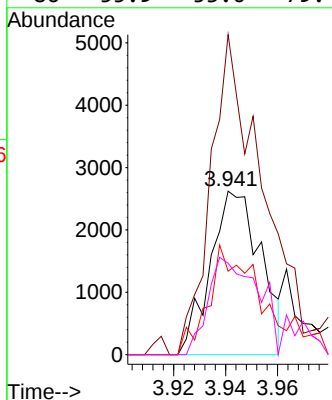
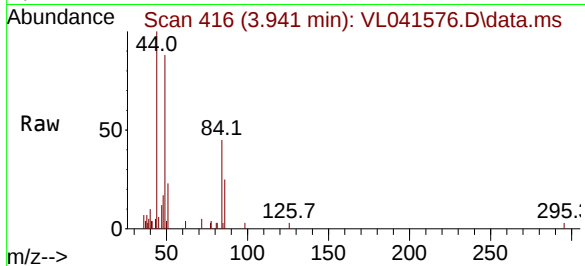




#20  
Methylene Chloride  
Concen: 0.091 ppbv  
RT: 3.941 min Scan# 416  
Delta R.T. -0.000 min  
Lab File: VL041576.D  
Acq: 21 Aug 2024 21:05

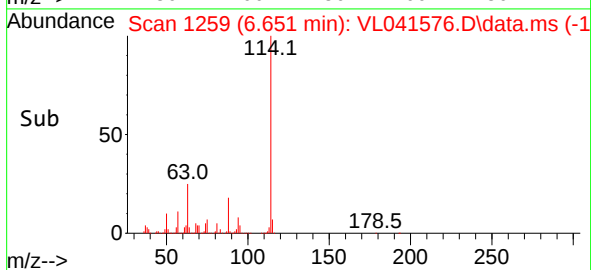
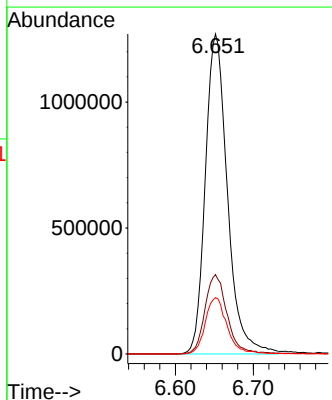
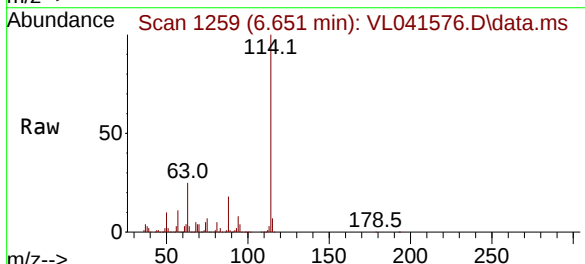
Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

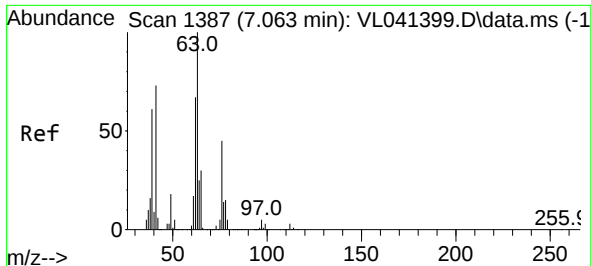
Tgt Ion: 84 Resp: 3542  
Ion Ratio Lower Upper  
84 100  
49 195.8 126.6 190.0#  
51 51.1 38.6 58.0  
86 55.9 53.0 79.4



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.651 min Scan# 1259  
Delta R.T. -0.003 min  
Lab File: VL041576.D  
Acq: 21 Aug 2024 21:05

Tgt Ion: 114 Resp: 2501497  
Ion Ratio Lower Upper  
114 100  
63 25.2 20.3 30.5  
88 17.6 14.3 21.5





#39

1,2-Dichloropropane

Concen: 8.788 ppbv

RT: 6.651 min Scan# 1

Delta R.T. -0.425 min

Lab File: VL041576.D

Acq: 21 Aug 2024 21:05

Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

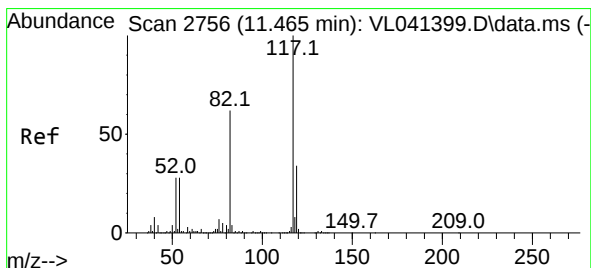
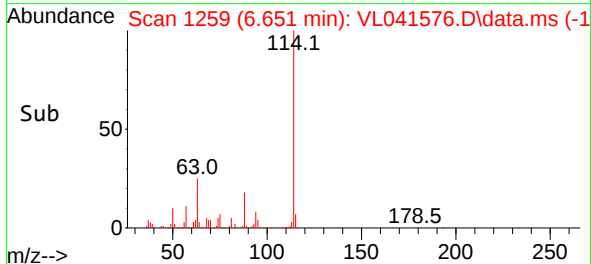
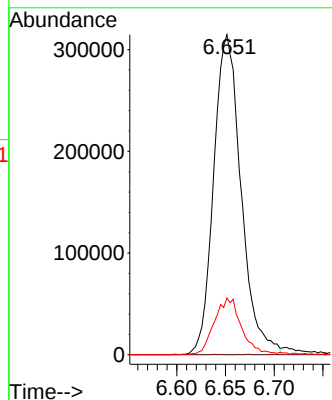
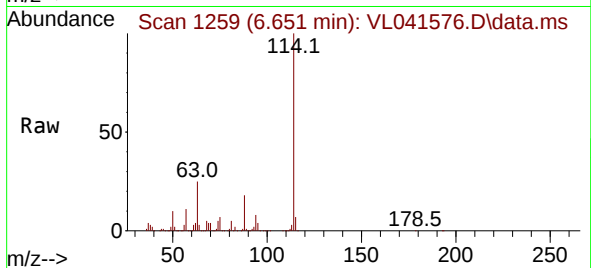
Tgt Ion: 63 Resp: 614952

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.7 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 2753

Delta R.T. -0.010 min

Lab File: VL041576.D

Acq: 21 Aug 2024 21:05

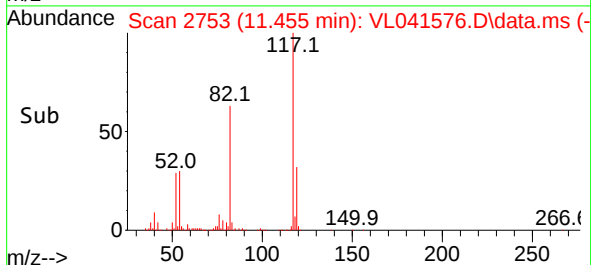
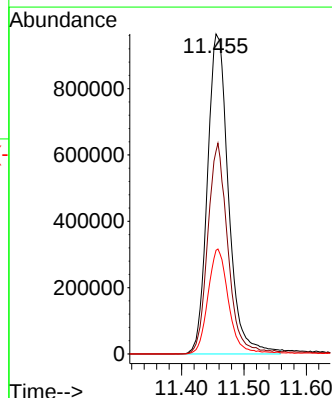
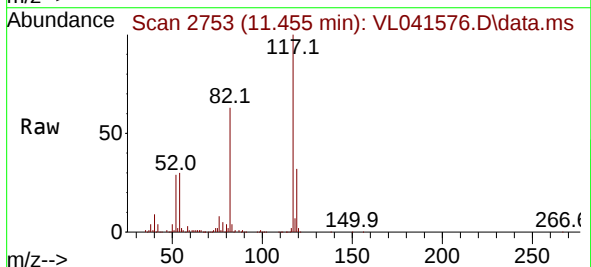
Tgt Ion: 117 Resp: 2265118

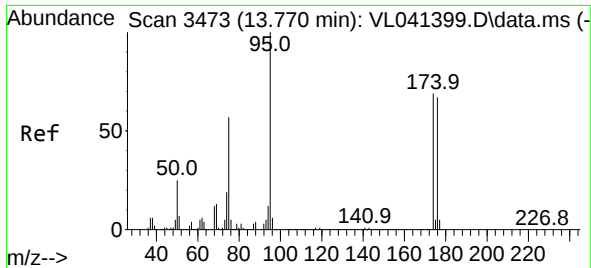
Ion Ratio Lower Upper

117 100

82 64.4 51.0 76.6

119 32.3 45.2 67.8#





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.741 ppbv  
 RT: 13.764 min Scan# 34  
 Delta R.T. -0.010 min  
 Lab File: VL041576.D  
 Acq: 21 Aug 2024 21:05

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Tgt Ion: 95 Resp: 1697946  
 Ion Ratio Lower Upper  
 95 100  
 174 72.2 56.3 84.5  
 175 5.1 4.0 6.0

