

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL080524\  
 Data File : VL041495.D  
 Acq On : 5 Aug 2024 10:26  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Aug 06 01:36:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Aug 06 01:32:58 2024  
 Response via : Initial Calibration

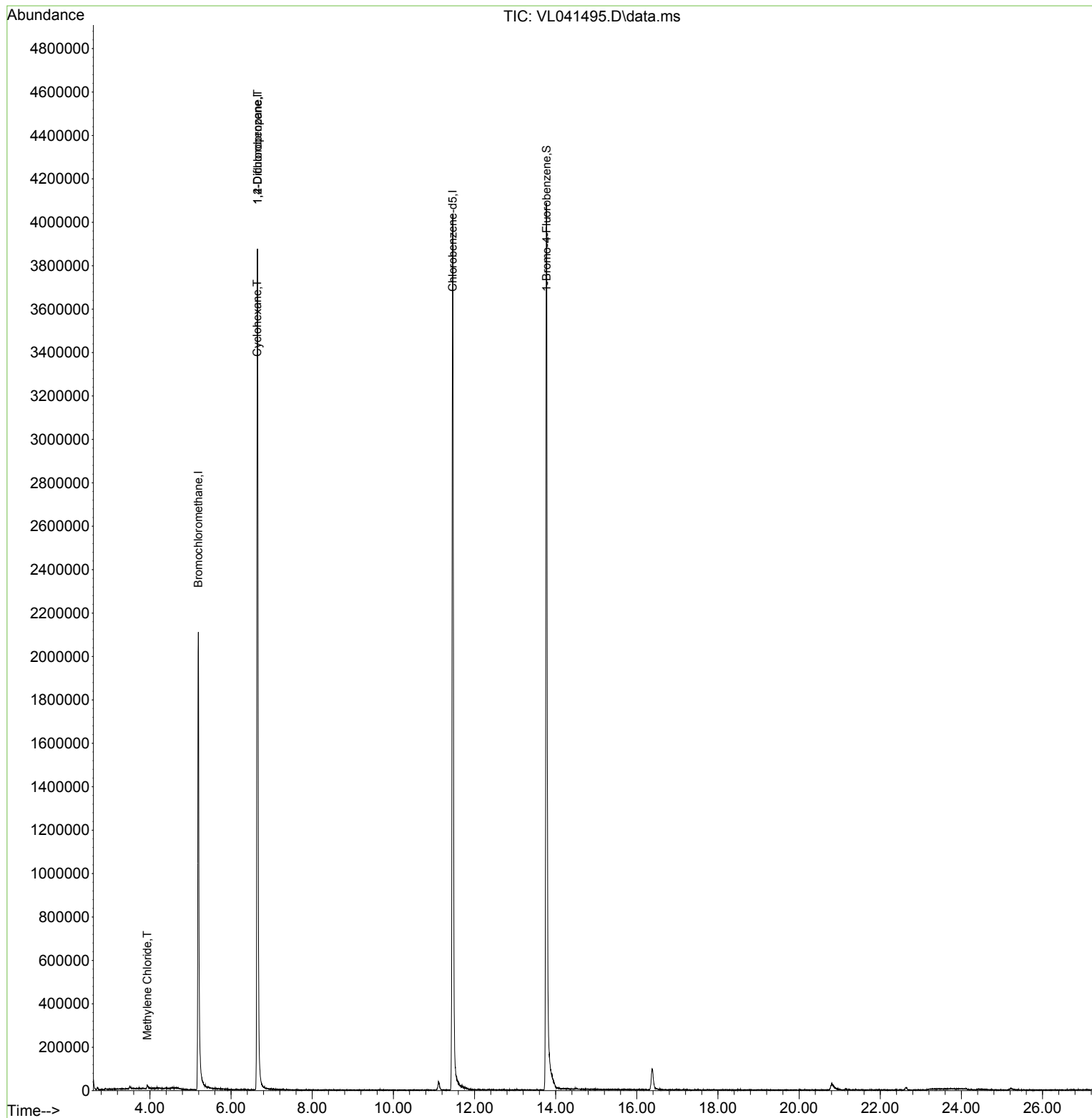
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.192  | 49    | 1123302  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.652  | 114   | 3066838  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.465 | 117   | 2771223  | 10.000   | ppbv   | # 0.00   |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.777 | 95    | 2089158  | 9.796    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 98.000%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 3.935  | 84    | 2219     | 0.047    | ppbv # | 51       |
| 30) Cyclohexane             | 6.642  | 84    | 3028     | 0.035    | ppbv # | 1        |
| 39) 1,2-Dichloropropane     | 6.652  | 63    | 756162   | 8.814    | ppbv # | 25       |
| -----                       |        |       |          |          |        |          |

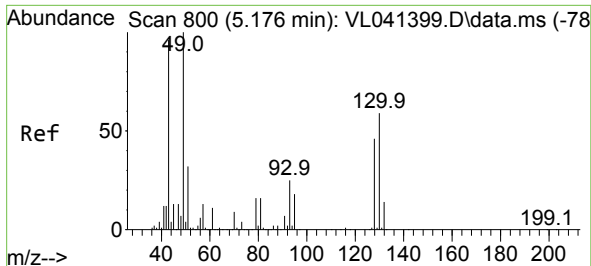
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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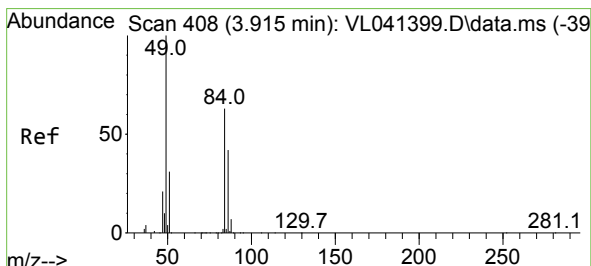
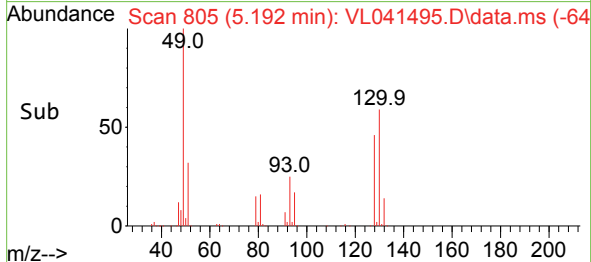
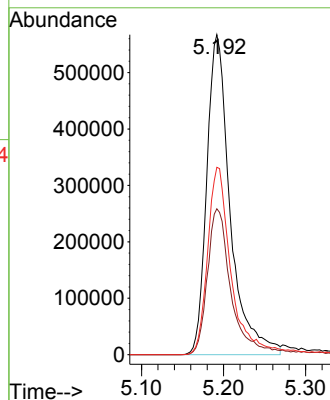
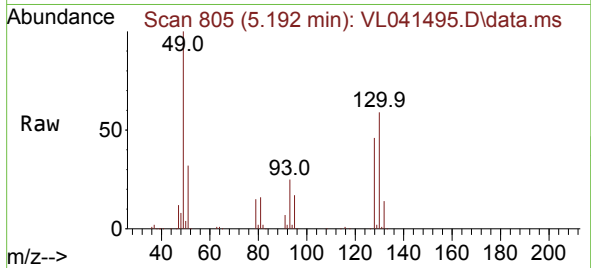




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.192 min Scan# 800  
Delta R.T. 0.003 min  
Lab File: VL041495.D  
Acq: 5 Aug 2024 10:26

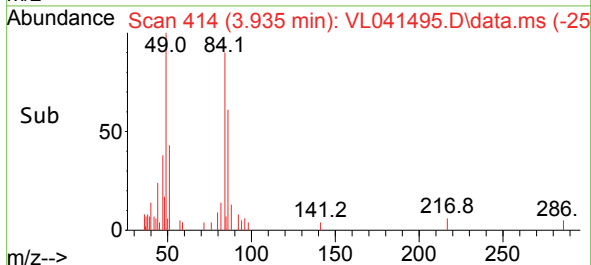
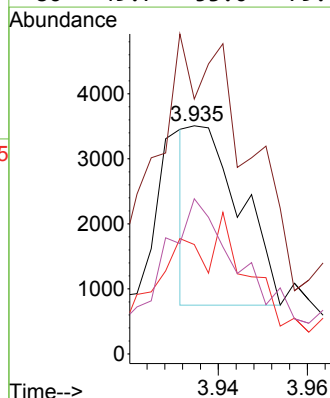
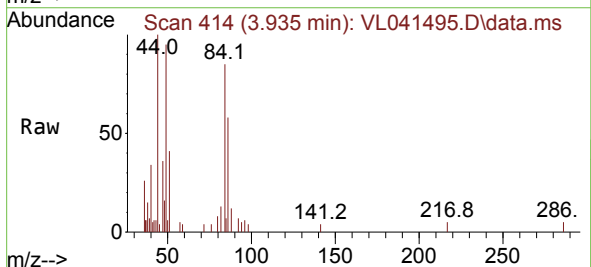
Instrument :  
MSVOA\_L  
ClientSampleId :

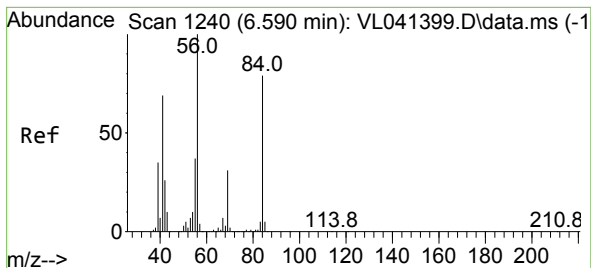
Tgt Ion: 49 Resp: 1123302  
Ion Ratio Lower Upper  
49 100  
128 48.2 23.8 71.4  
130 61.2 30.8 92.4



#20  
Methylene Chloride  
Concen: 0.047 ppbv  
RT: 3.935 min Scan# 414  
Delta R.T. 0.003 min  
Lab File: VL041495.D  
Acq: 5 Aug 2024 10:26

Tgt Ion: 84 Resp: 2219  
Ion Ratio Lower Upper  
84 100  
49 60.8 126.6 190.0#  
51 45.5 38.6 58.0  
86 49.7 53.0 79.4#





#30

Cyclohexane

Concen: 0.035 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. 0.045 min

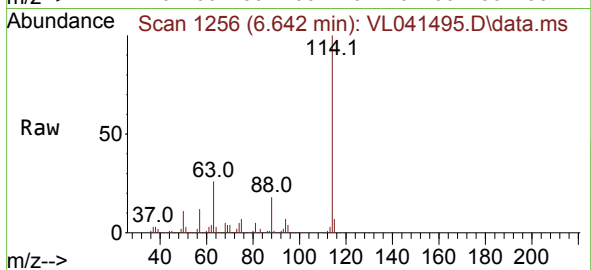
Lab File: VL041495.D

Acq: 5 Aug 2024 10:26

Instrument :

MSVOA\_L

ClientSampleId :



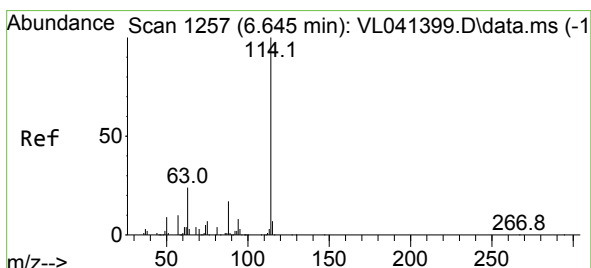
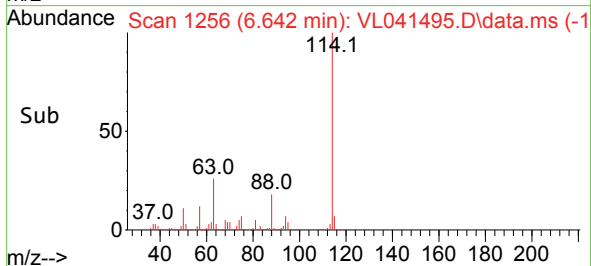
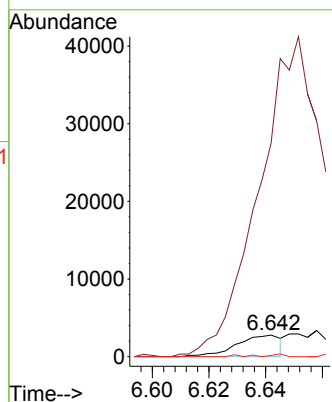
Tgt Ion: 84 Resp: 3028

Ion Ratio Lower Upper

84 100

56 0.0 111.2 166.8#

41 6.2 70.3 105.5#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VL041495.D

Acq: 5 Aug 2024 10:26

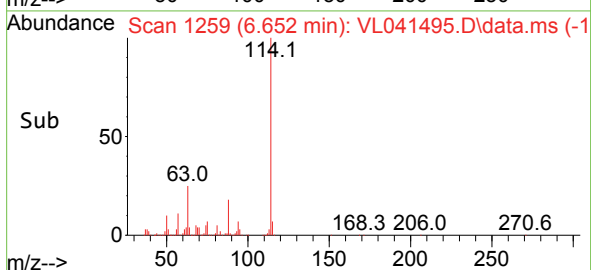
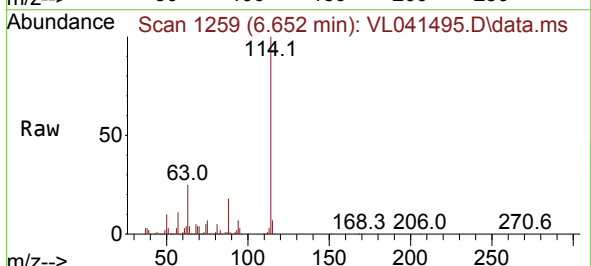
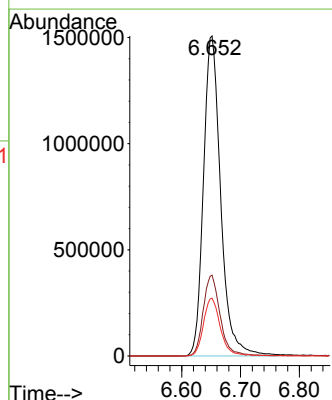
Tgt Ion: 114 Resp: 3066838

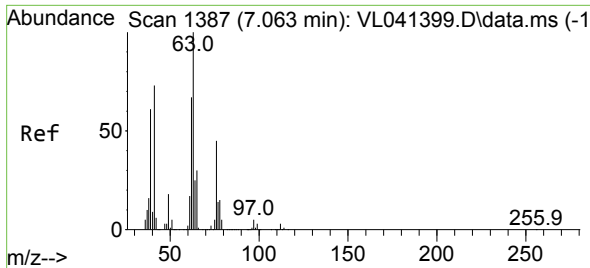
Ion Ratio Lower Upper

114 100

63 25.1 20.3 30.5

88 17.9 14.3 21.5





#39

1,2-Dichloropropane

Concen: 8.814 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. -0.418 min

Lab File: VL041495.D

Acq: 5 Aug 2024 10:26

Instrument :

MSVOA\_L

ClientSampleId :

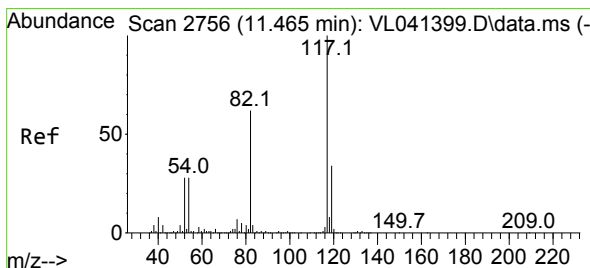
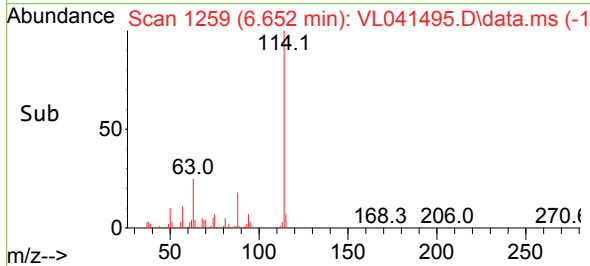
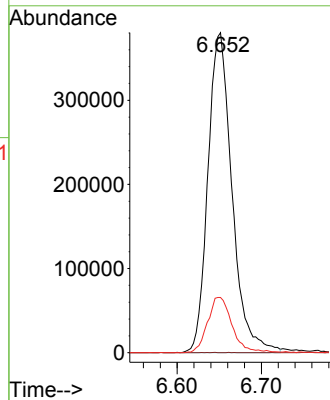
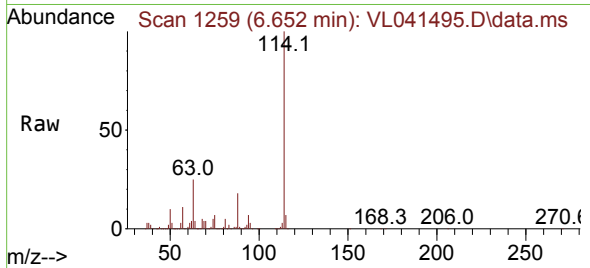
Tgt Ion: 63 Resp: 756162

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.3 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.003 min

Lab File: VL041495.D

Acq: 5 Aug 2024 10:26

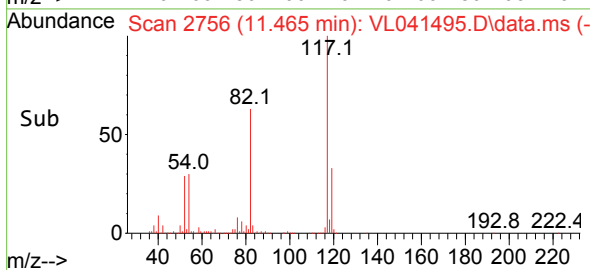
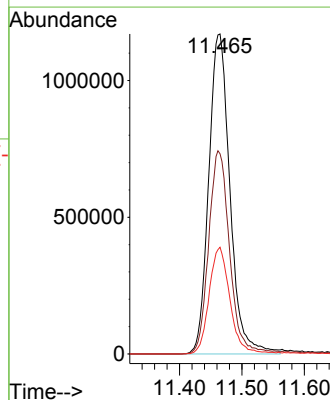
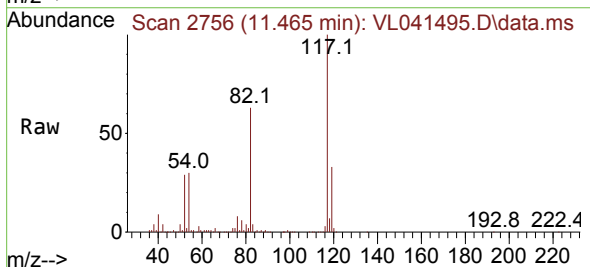
Tgt Ion: 117 Resp: 2771223

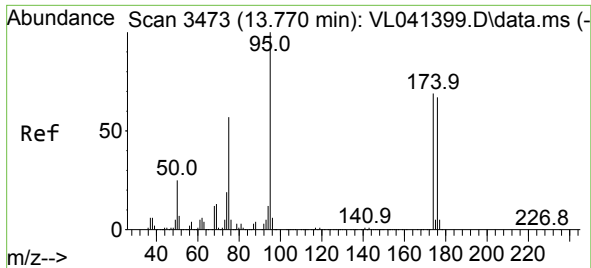
Ion Ratio Lower Upper

117 100

82 63.6 51.0 76.6

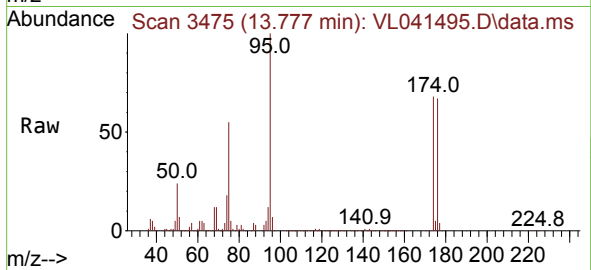
119 33.3 45.2 67.8#





#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.796 ppbv  
RT: 13.777 min Scan# 34  
Delta R.T. 0.010 min  
Lab File: VL041495.D  
Acq: 5 Aug 2024 10:26

Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion: 95 Resp: 2089158  
Ion Ratio Lower Upper  
95 100  
174 72.3 56.3 84.5  
175 5.3 4.0 6.0

