

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL070124\  
 Data File : VL041373.D  
 Acq On : 1 Jul 2024 18:30  
 Operator : SY/MD  
 Sample : CAN 10443  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jul 01 23:33:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL062624AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Jul 01 23:27:24 2024  
 Response via : Initial Calibration

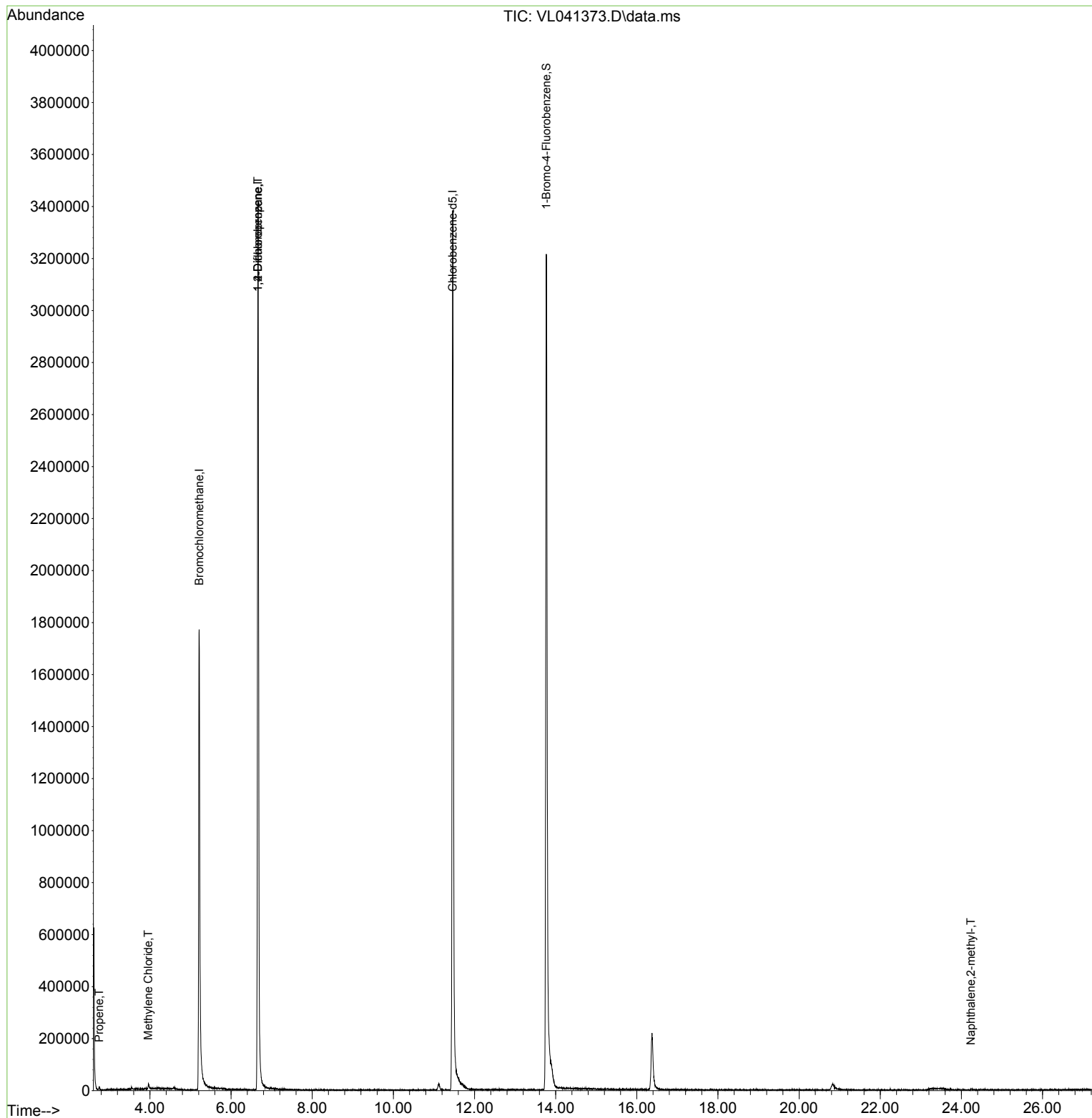
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.214  | 49    | 981392   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.664  | 114   | 2660227  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.462 | 117   | 2321056  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.770 | 95    | 1689791  | 9.713    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 97.100%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 2.748  | 41    | 3013     | 0.051    | ppbv   | 94       |
| 20) Methylene Chloride      | 3.960  | 84    | 1569     | 0.033    | ppbv # | 51       |
| 39) 1,2-Dichloropropane     | 6.664  | 63    | 647225   | 7.607    | ppbv # | 22       |
| 80) Naphthalene,2-methyl-   | 24.236 | 142   | 30       | 0.073    | ppbv # | 1        |
| -----                       |        |       |          |          |        |          |

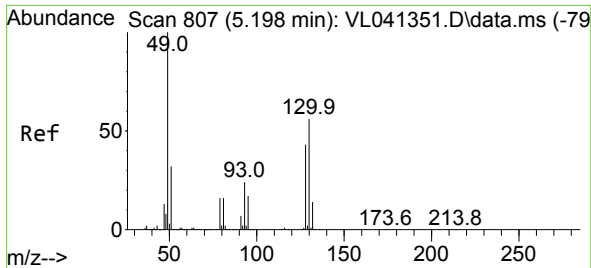
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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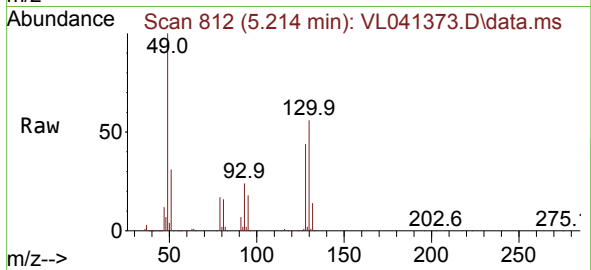
Quant Time: Jul 01 23:33:13 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL062624AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
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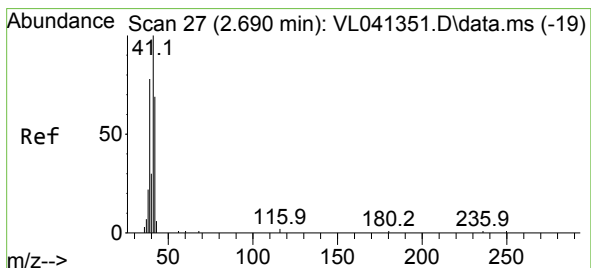
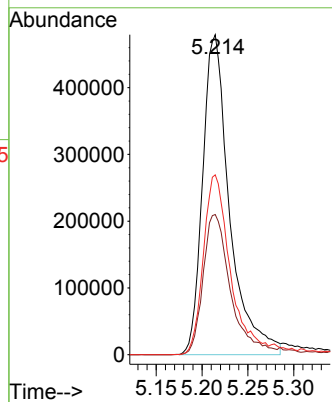
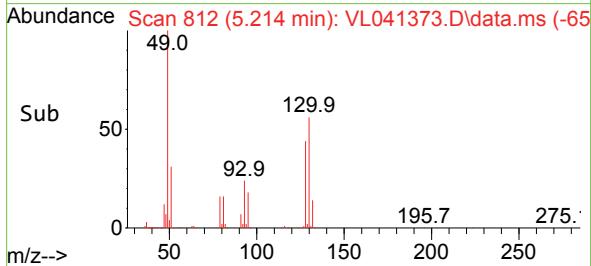


#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.214 min Scan# 81  
Delta R.T. -0.004 min  
Lab File: VL041373.D  
Acq: 1 Jul 2024 18:30

Instrument :  
MSVOA\_L  
ClientSampleId :

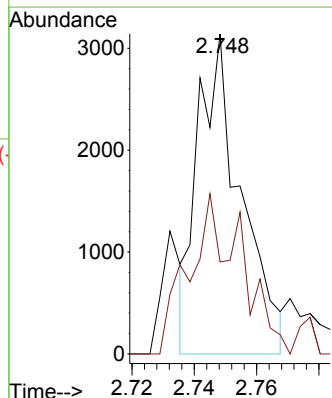
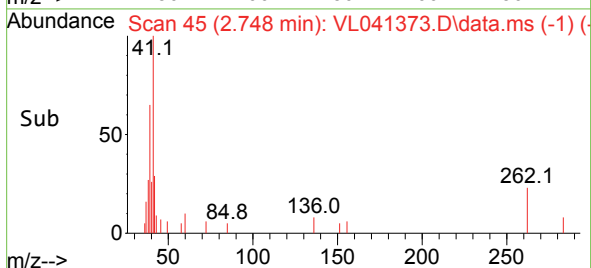
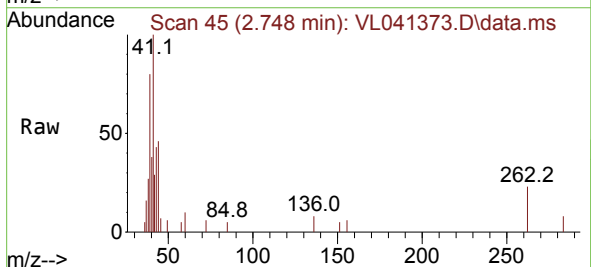


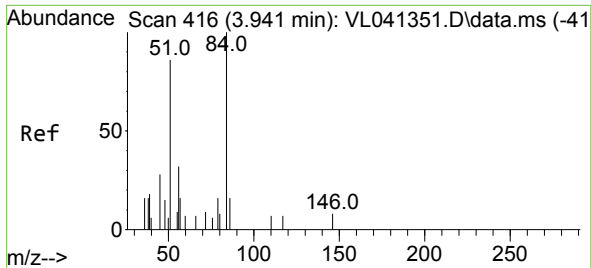
Tgt Ion: 49 Resp: 981392  
Ion Ratio Lower Upper  
49 100  
128 47.3 22.8 68.3  
130 59.9 28.9 86.7



#9  
Propene  
Concen: 0.051 ppbv  
RT: 2.748 min Scan# 45  
Delta R.T. 0.013 min  
Lab File: VL041373.D  
Acq: 1 Jul 2024 18:30

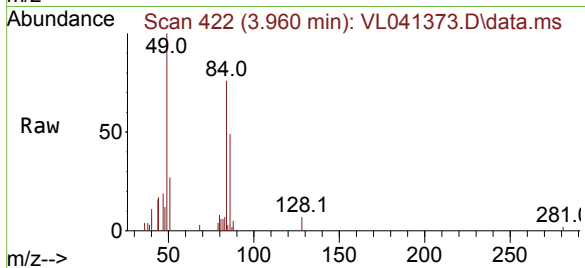
Tgt Ion: 41 Resp: 3013  
Ion Ratio Lower Upper  
41 100  
42 64.6 55.8 83.8



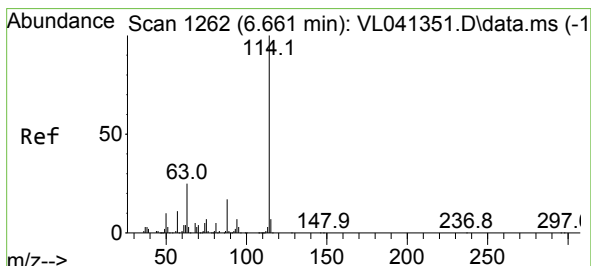
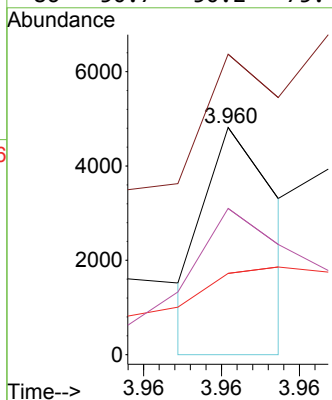
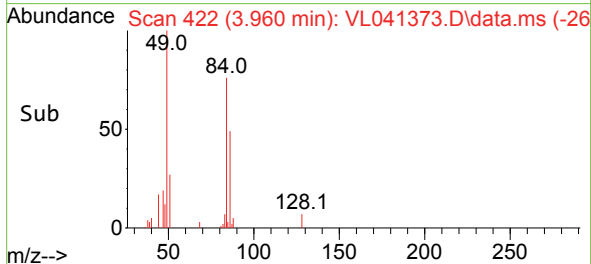


#20  
Methylene Chloride  
Concen: 0.033 ppbv  
RT: 3.960 min Scan# 416  
Delta R.T. -0.003 min  
Lab File: VL041373.D  
Acq: 1 Jul 2024 18:30

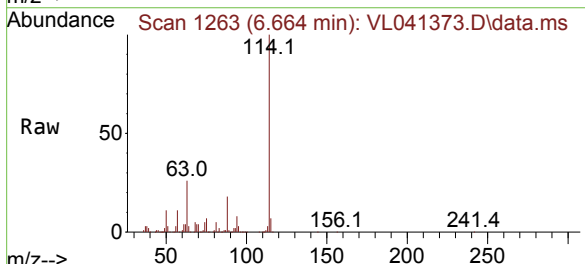
Instrument :  
MSVOA\_L  
ClientSampleId :



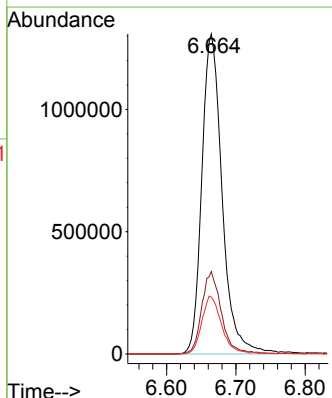
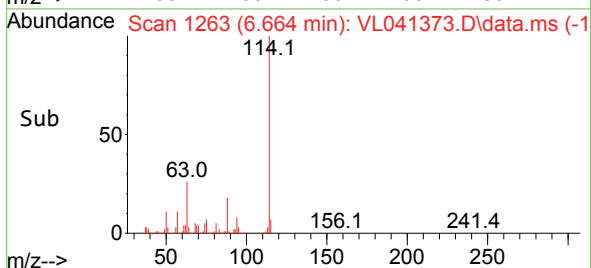
Tgt Ion: 84 Resp: 1569  
Ion Ratio Lower Upper  
84 100  
49 78.5 131.8 197.6#  
51 20.5 39.6 59.4#  
86 50.7 50.2 75.4

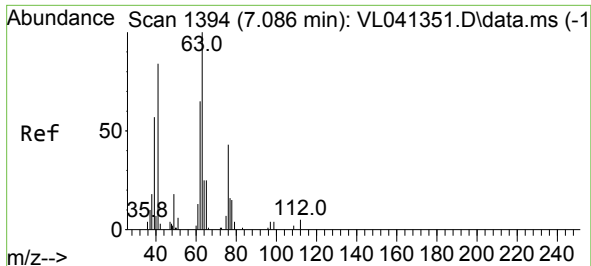


#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.664 min Scan# 1263  
Delta R.T. -0.006 min  
Lab File: VL041373.D  
Acq: 1 Jul 2024 18:30



Tgt Ion: 114 Resp: 2660227  
Ion Ratio Lower Upper  
114 100  
63 25.2 20.6 31.0  
88 17.9 14.6 21.8





#39

1,2-Dichloropropane

Concen: 7.607 ppbv

RT: 6.664 min Scan# 1

Delta R.T. -0.424 min

Lab File: VL041373.D

Acq: 1 Jul 2024 18:30

Instrument :

MSVOA\_L

ClientSampleId :

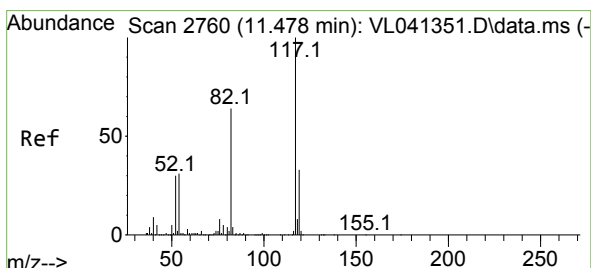
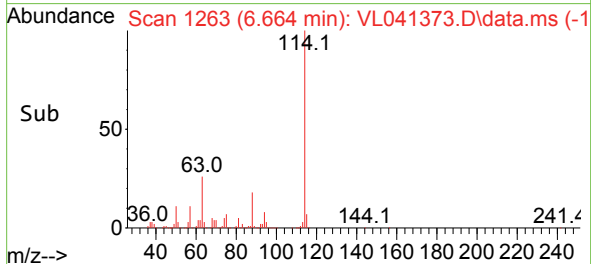
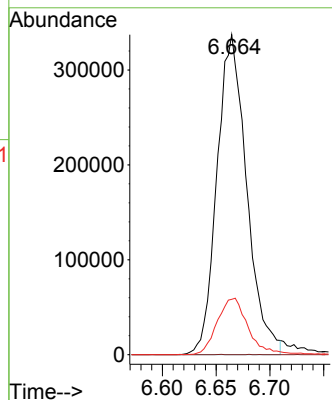
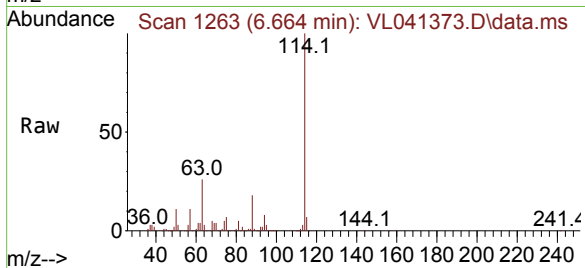
Tgt Ion: 63 Resp: 647225

Ion Ratio Lower Upper

63 100

41 0.0 64.0 96.0#

62 17.2 55.2 82.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 2755

Delta R.T. -0.010 min

Lab File: VL041373.D

Acq: 1 Jul 2024 18:30

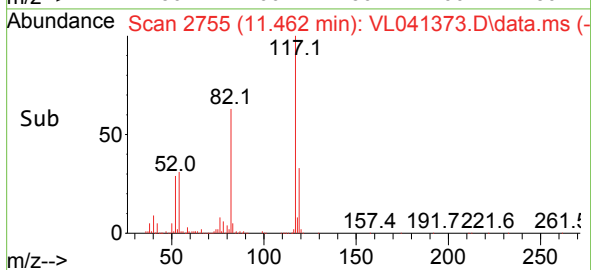
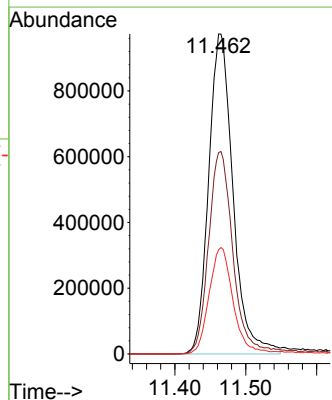
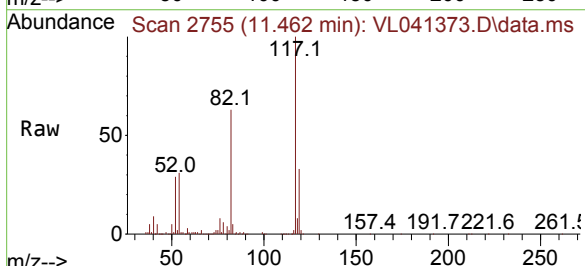
Tgt Ion: 117 Resp: 2321056

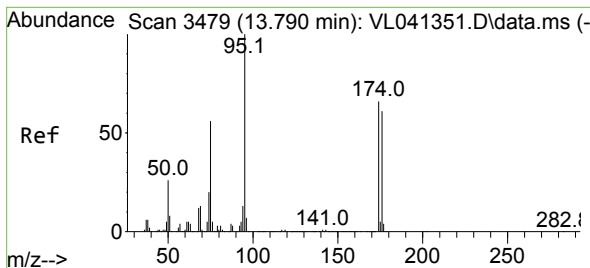
Ion Ratio Lower Upper

117 100

82 65.3 50.6 75.8

119 33.5 24.7 37.1

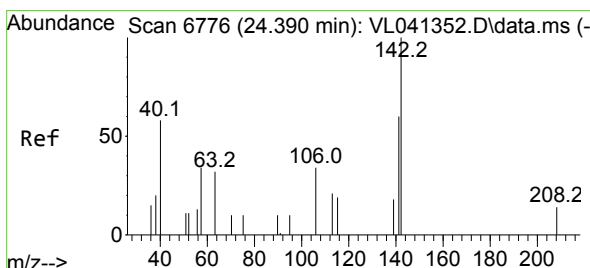
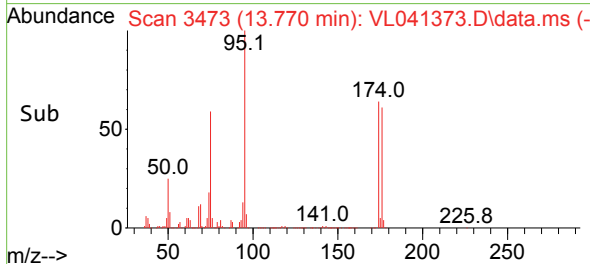
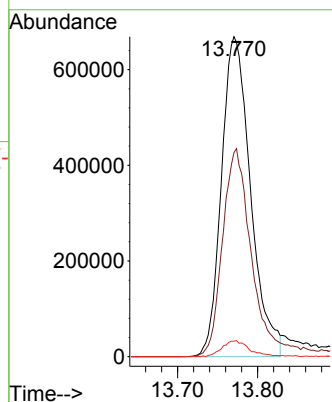
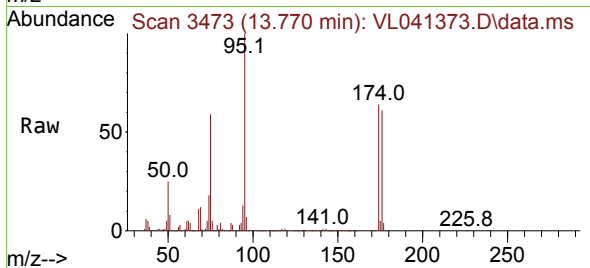




#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.713 ppbv  
RT: 13.770 min Scan# 3479  
Delta R.T. -0.006 min  
Lab File: VL041373.D  
Acq: 1 Jul 2024 18:30

Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion: 95 Resp: 1689791  
Ion Ratio Lower Upper  
95 100  
174 66.0 53.1 79.7  
175 4.9 4.0 6.0



#80  
Naphthalene,2-methyl-  
Concen: 0.073 ppbv  
RT: 24.236 min Scan# 6728  
Delta R.T. -0.135 min  
Lab File: VL041373.D  
Acq: 1 Jul 2024 18:30

Tgt Ion:142 Resp: 30  
Ion Ratio Lower Upper  
142 100  
141 133.3 37.9 56.9#  
115 0.0 11.0 16.4#

