

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL070124\  
 Data File : VL041369.D  
 Acq On : 1 Jul 2024 15:39  
 Operator : SY/MD  
 Sample : VL0701ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jul 01 23:31:28 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

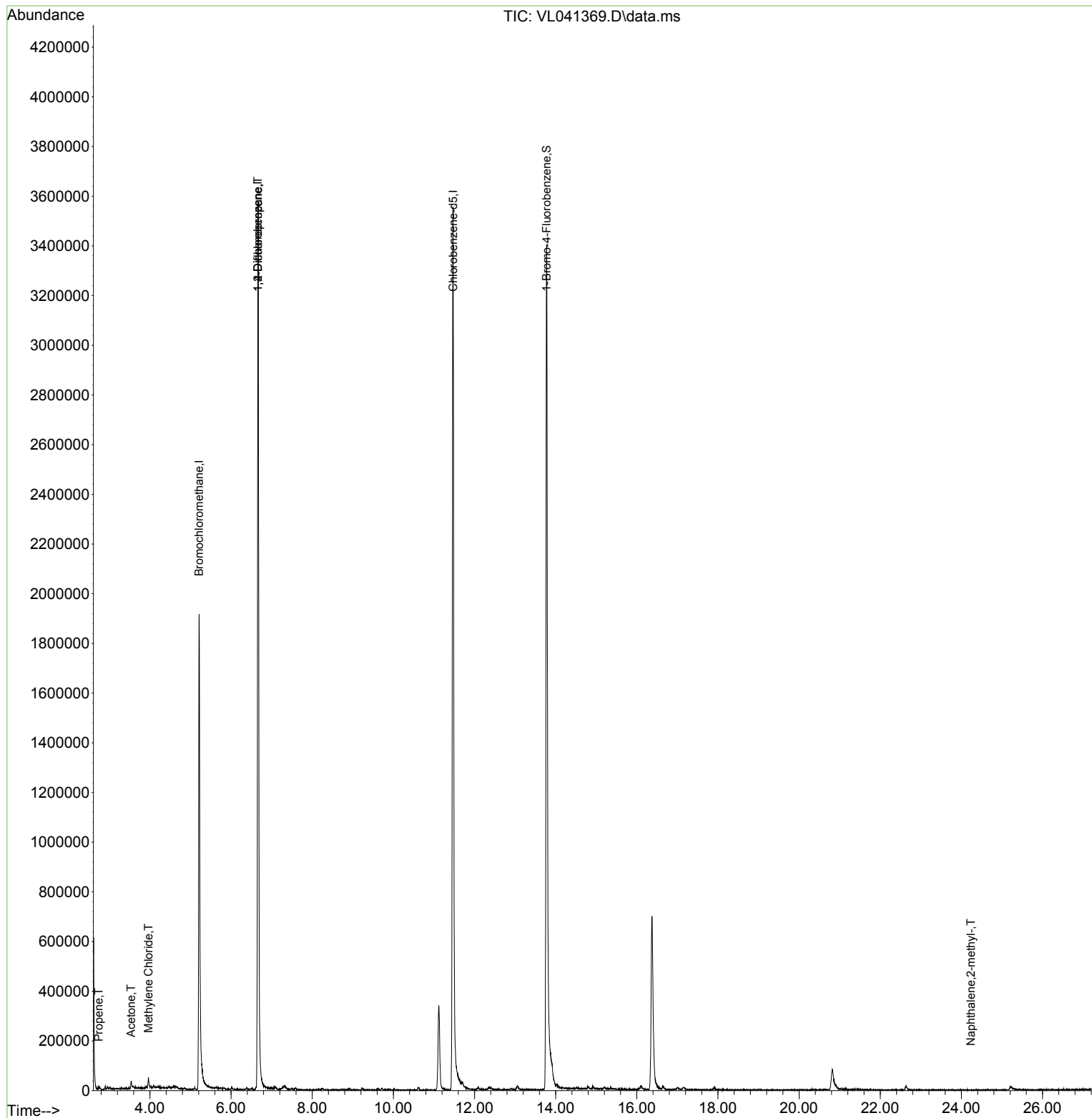
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.211  | 49    | 1055107  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.664  | 114   | 2824710  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.471 | 117   | 2475108  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.777 | 95    | 1786758  | 9.632    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 96.300%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 2.735  | 41    | 3774     | 0.060    | ppbv   | 92       |
| 15) Acetone                 | 3.536  | 43    | 33644    | 0.241    | ppbv # | 84       |
| 20) Methylene Chloride      | 3.964  | 84    | 10375    | 0.205    | ppbv # | 70       |
| 39) 1,2-Dichloropropane     | 6.664  | 63    | 694237   | 7.685    | ppbv # | 22       |
| 80) Naphthalene,2-methyl-   | 24.236 | 142   | 34       | 0.077    | ppbv # | 1        |
| -----                       |        |       |          |          |        |          |

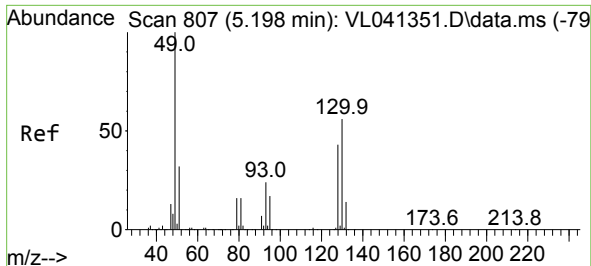
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL070124\  
Data File : VL041369.D  
Acq On : 1 Jul 2024 15:39  
Operator : SY/MD  
Sample : VL0701ABL01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :

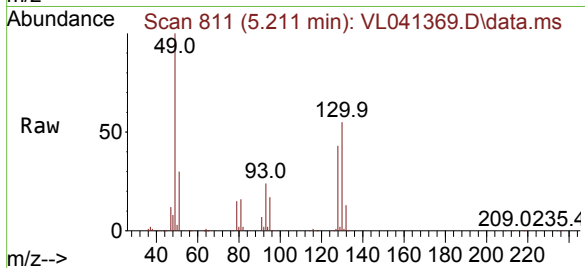
Quant Time: Jul 01 23:31:28 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL062624AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Mon Jul 01 23:27:24 2024  
Response via : Initial Calibration





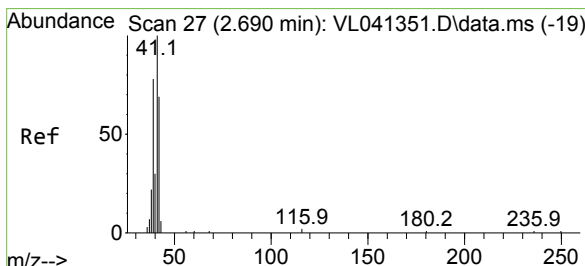
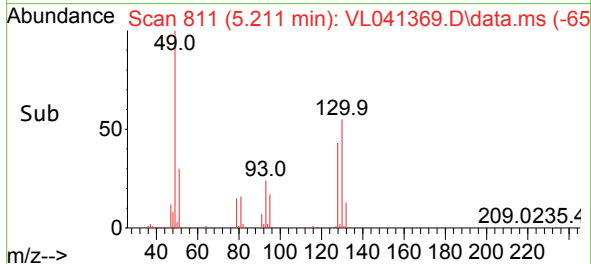
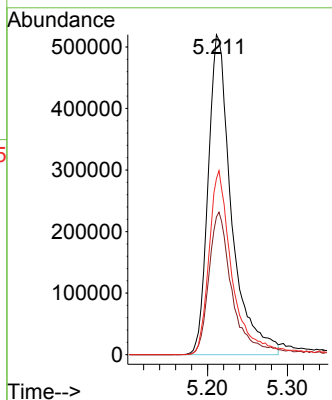
#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.211 min Scan# 81  
 Delta R.T. -0.007 min  
 Lab File: VL041369.D  
 Acq: 1 Jul 2024 15:39

Instrument :  
 MSVOA\_L  
 ClientSampleId :



Tgt Ion: 49 Resp: 1055107

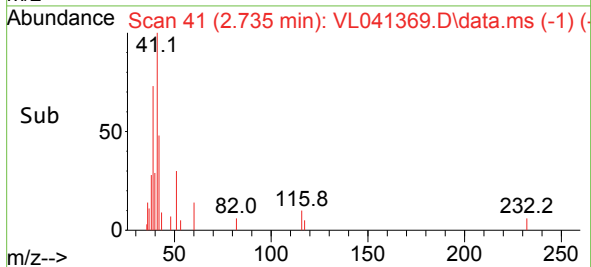
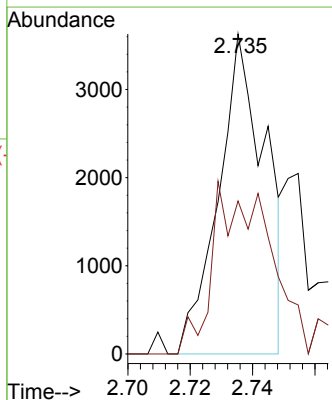
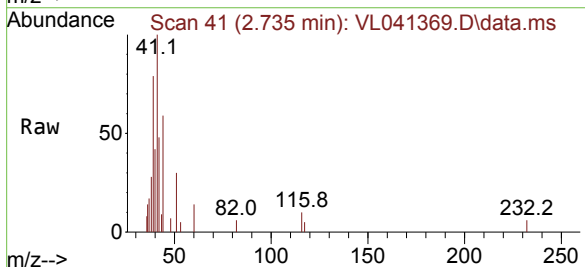
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 46.8  | 22.8  | 68.3  |
| 130 | 59.8  | 28.9  | 86.7  |

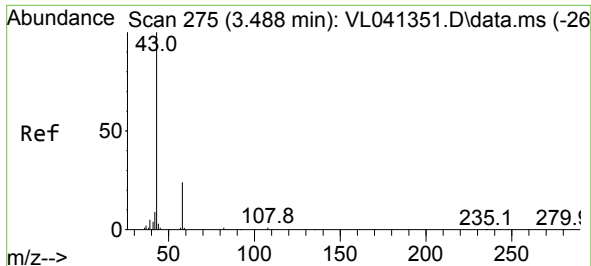


#9  
 Propene  
 Concen: 0.060 ppbv  
 RT: 2.735 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VL041369.D  
 Acq: 1 Jul 2024 15:39

Tgt Ion: 41 Resp: 3774

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 42  | 76.8  | 55.8  | 83.8  |

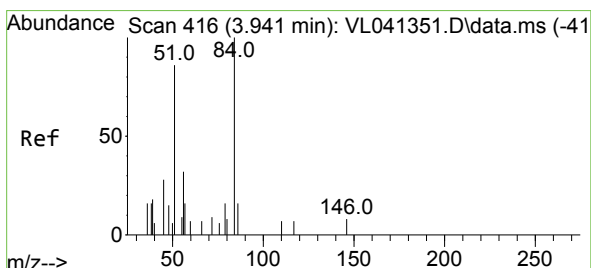
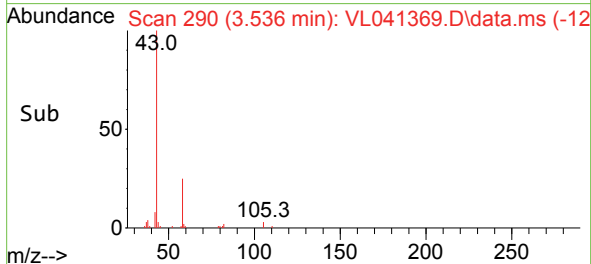
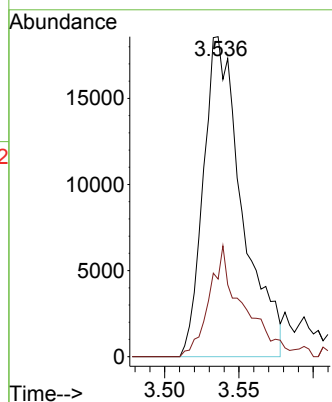
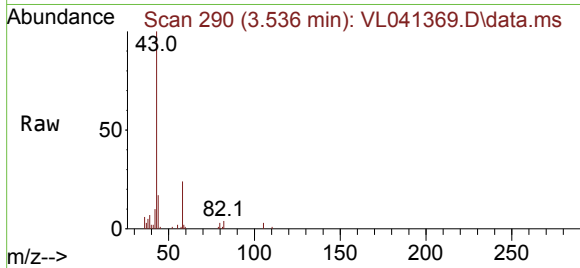




#15  
Acetone  
Concen: 0.241 ppbv  
RT: 3.536 min Scan# 24  
Delta R.T. 0.032 min  
Lab File: VL041369.D  
Acq: 1 Jul 2024 15:39

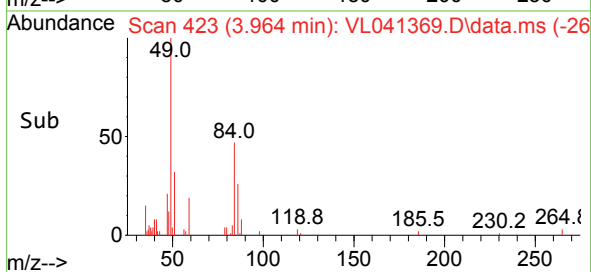
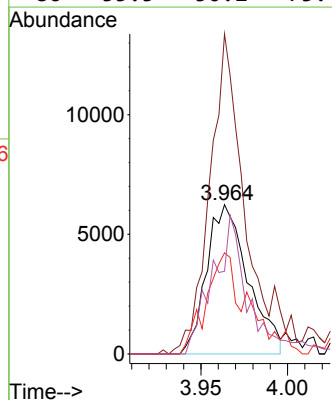
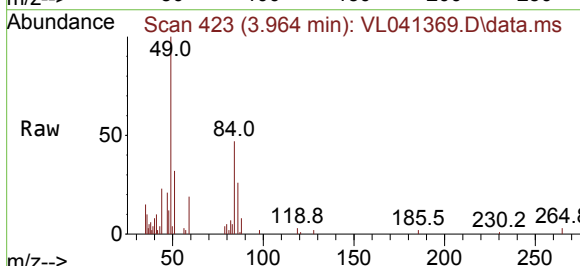
Instrument :  
MSVOA\_L  
ClientSampleId :

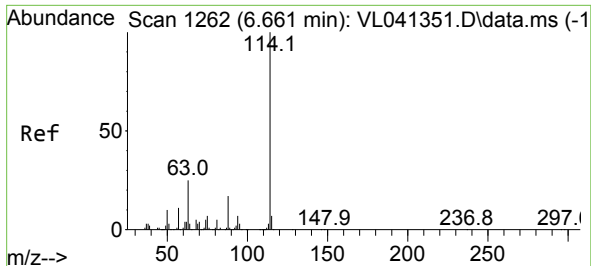
Tgt Ion: 43 Resp: 33644  
Ion Ratio Lower Upper  
43 100  
58 33.7 20.3 30.5#



#20  
Methylene Chloride  
Concen: 0.205 ppbv  
RT: 3.964 min Scan# 423  
Delta R.T. 0.000 min  
Lab File: VL041369.D  
Acq: 1 Jul 2024 15:39

Tgt Ion: 84 Resp: 10375  
Ion Ratio Lower Upper  
84 100  
49 217.7 131.8 197.6#  
51 67.8 39.6 59.4#  
86 55.5 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: VL041369.D

Acq: 1 Jul 2024 15:39

Instrument :

MSVOA\_L

ClientSampleId :

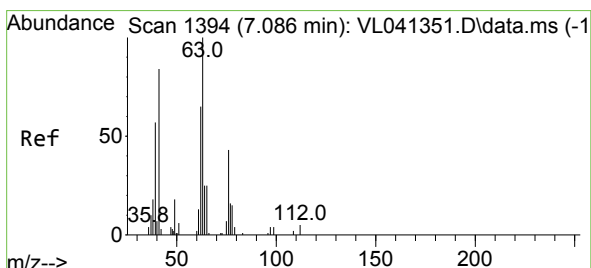
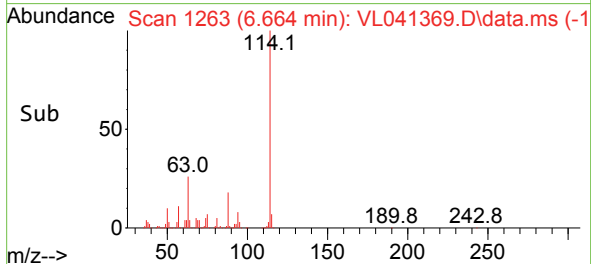
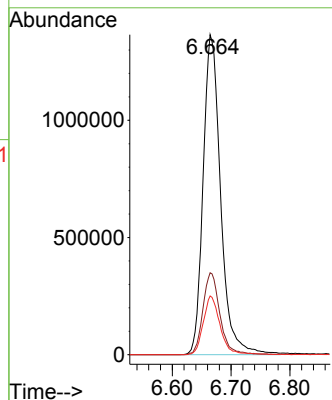
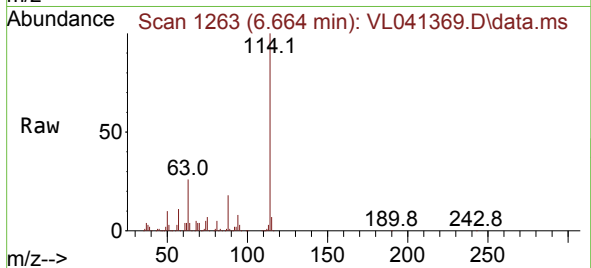
Tgt Ion:114 Resp: 2824710

Ion Ratio Lower Upper

114 100

63 25.0 20.6 31.0

88 17.7 14.6 21.8



#39

1,2-Dichloropropane

Concen: 7.685 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. -0.424 min

Lab File: VL041369.D

Acq: 1 Jul 2024 15:39

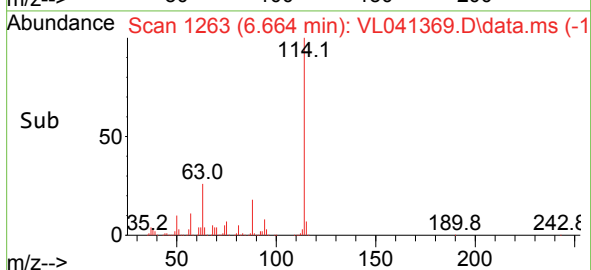
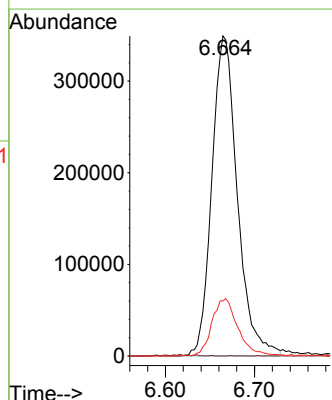
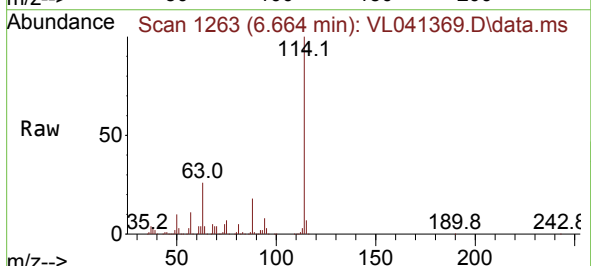
Tgt Ion: 63 Resp: 694237

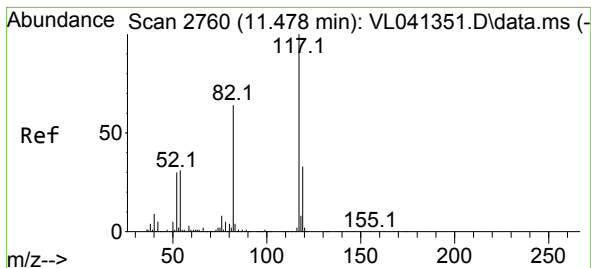
Ion Ratio Lower Upper

63 100

41 0.0 64.0 96.0#

62 17.3 55.2 82.8#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041369.D

Acq: 1 Jul 2024 15:39

Instrument :

MSVOA\_L

ClientSampleId :

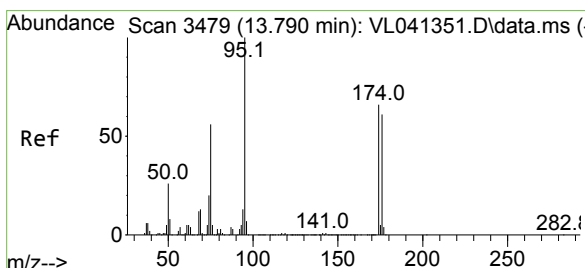
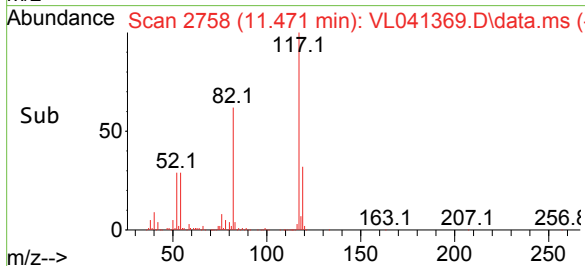
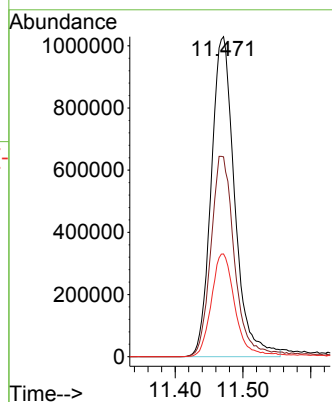
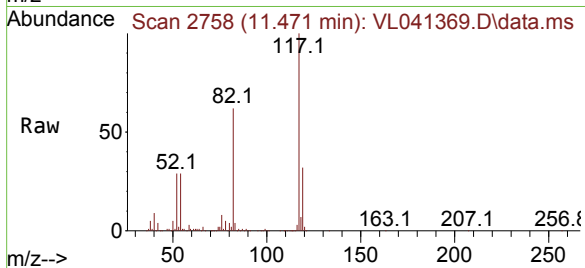
Tgt Ion:117 Resp: 2475108

Ion Ratio Lower Upper

117 100

82 65.2 50.6 75.8

119 33.5 24.7 37.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.632 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.000 min

Lab File: VL041369.D

Acq: 1 Jul 2024 15:39

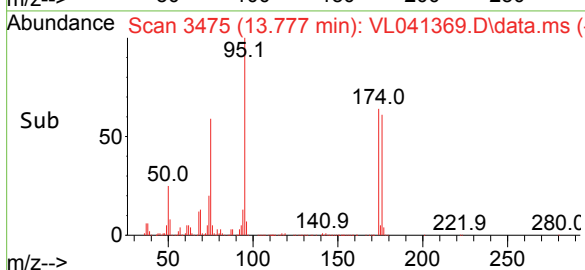
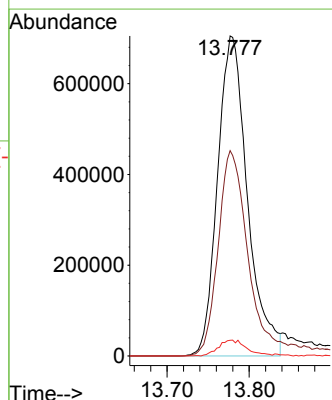
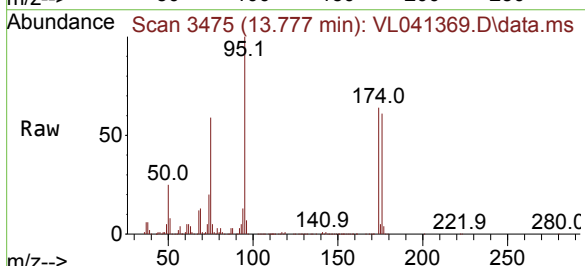
Tgt Ion: 95 Resp: 1786758

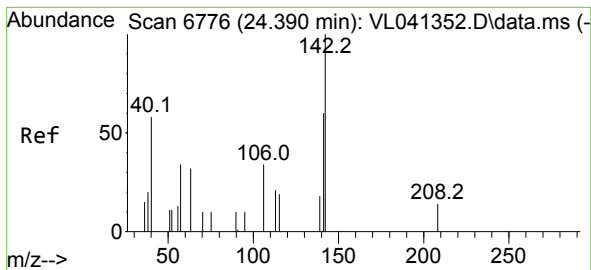
Ion Ratio Lower Upper

95 100

174 69.3 53.1 79.7

175 4.9 4.0 6.0





#80

Naphthalene, 2-methyl-

Concen: 0.077 ppbv

RT: 24.236 min Scan# 61

Delta R.T. -0.135 min

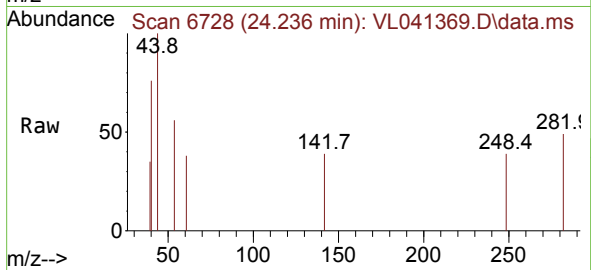
Lab File: VL041369.D

Acq: 1 Jul 2024 15:39

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion:142 Resp: 34

Ion Ratio Lower Upper

142 100

141 0.0 37.9 56.9#

115 200.0 11.0 16.4#

