

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081924\  
 Data File : VL041541.D  
 Acq On : 19 Aug 2024 10:07  
 Operator : SY/MD  
 Sample : VL0819ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0819ABL01

Quant Time: Aug 20 02:14:14 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 : Tue Aug 20 02:10:04 2024  
 Response via : Initial Calibration

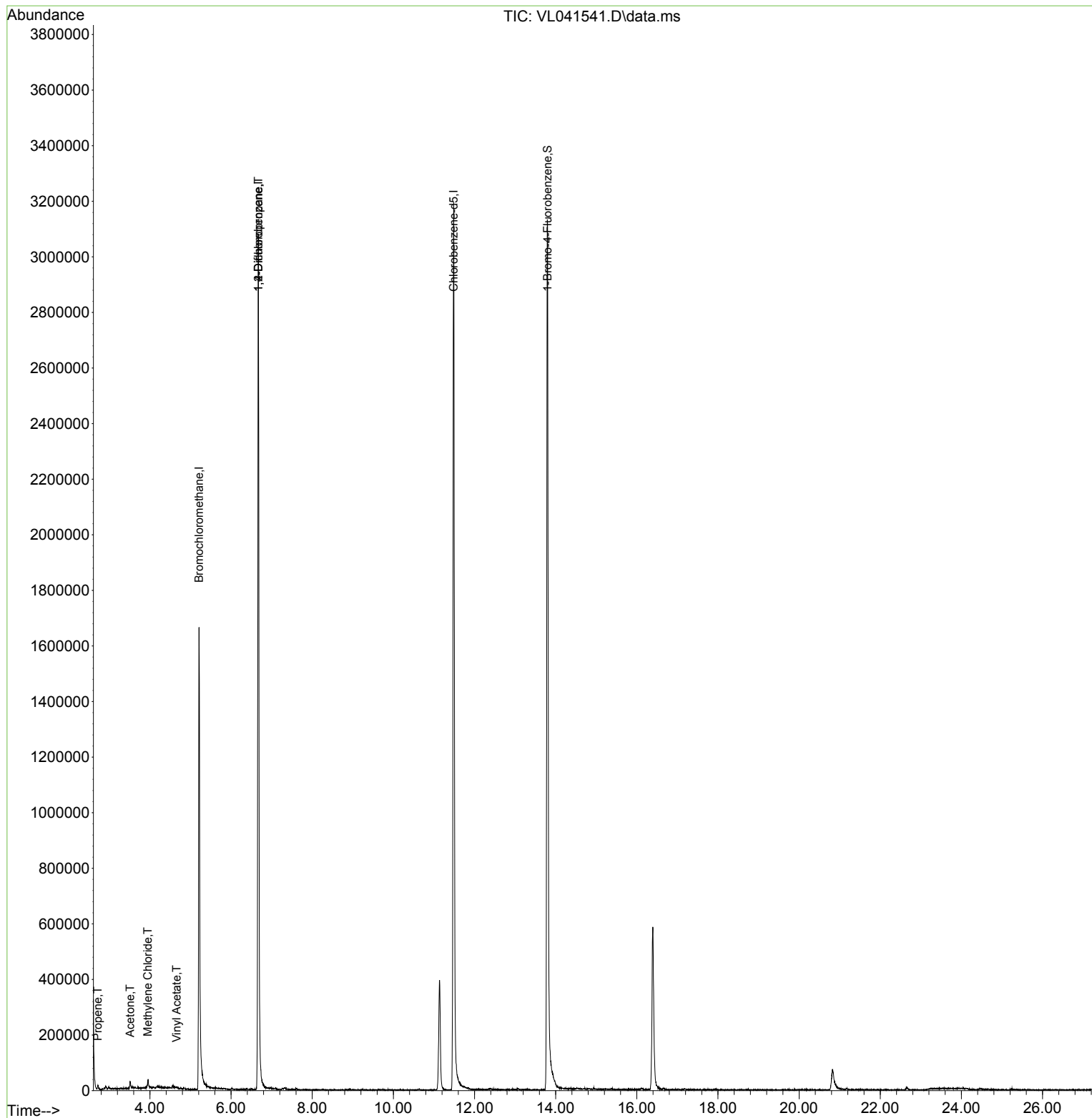
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.211  | 49    | 895764   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.671  | 114   | 2374230  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.484 | 117   | 2131055  | 10.000   | ppbv   | # 0.00   |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.799 | 95    | 1588219  | 9.684    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 96.800%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 2.716  | 41    | 5123     | 0.105    | ppbv   | 91       |
| 15) Acetone                 | 3.510  | 43    | 27610    | 0.271    | ppbv # | 85       |
| 20) Methylene Chloride      | 3.947  | 84    | 4910     | 0.129    | ppbv # | 95       |
| 23) Vinyl Acetate           | 4.658  | 43    | 3034     | 0.039    | ppbv # | 84       |
| 39) 1,2-Dichloropropane     | 6.671  | 63    | 577437   | 8.694    | ppbv # | 25       |
| -----                       |        |       |          |          |        |          |

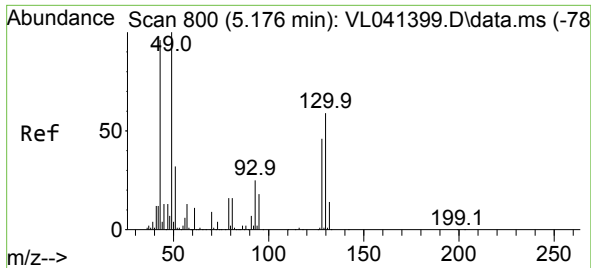
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 02:14:14 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 : Tue Aug 20 02:10:04 2024  
Response via : Initial Calibration

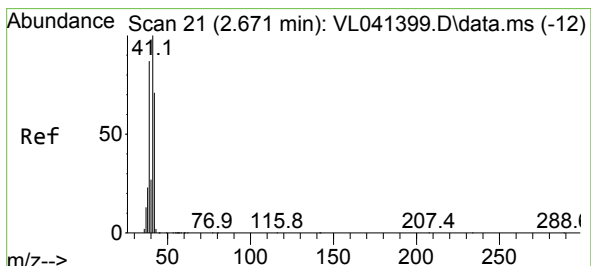
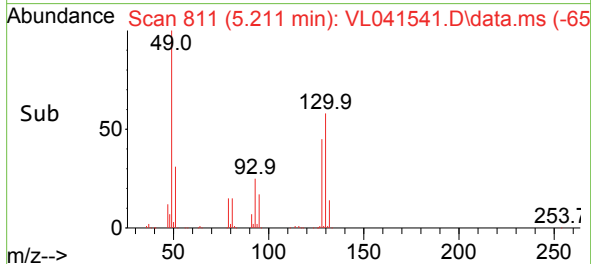
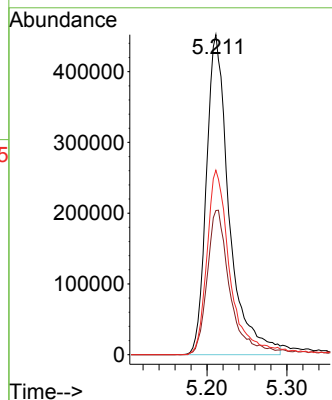
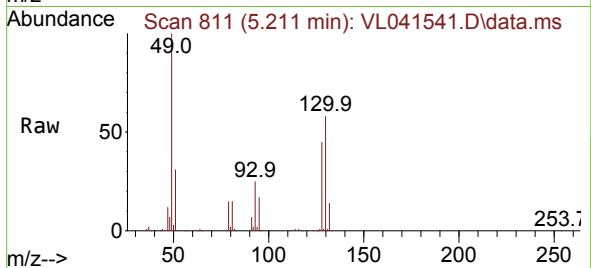




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.211 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VL041541.D  
Acq: 19 Aug 2024 10:07

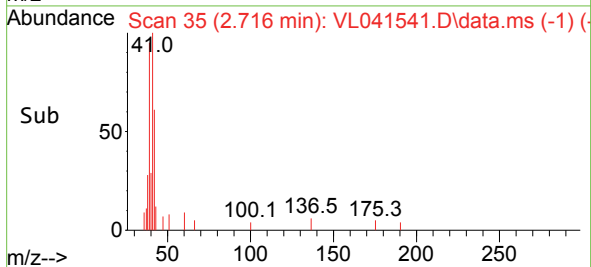
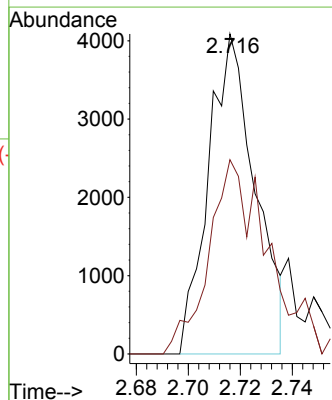
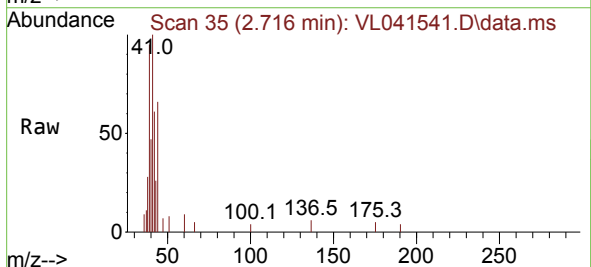
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0819ABL01

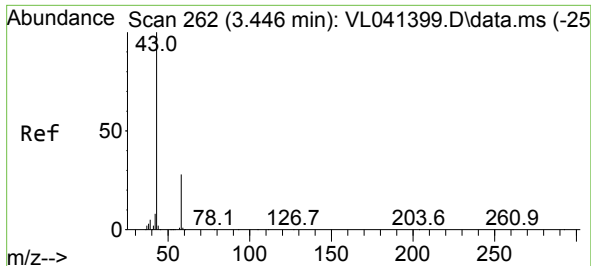
Tgt Ion: 49 Resp: 895764  
Ion Ratio Lower Upper  
49 100  
128 47.0 23.8 71.4  
130 61.2 30.8 92.4



#9  
Propene  
Concen: 0.105 ppbv  
RT: 2.716 min Scan# 35  
Delta R.T. 0.003 min  
Lab File: VL041541.D  
Acq: 19 Aug 2024 10:07

Tgt Ion: 41 Resp: 5123  
Ion Ratio Lower Upper  
41 100  
42 77.6 55.9 83.9





#15

Acetone

Concen: 0.271 ppbv

RT: 3.510 min Scan# 21

Delta R.T. 0.026 min

Lab File: VL041541.D

Acq: 19 Aug 2024 10:07

Instrument :

MSVOA\_L

ClientSampleId :

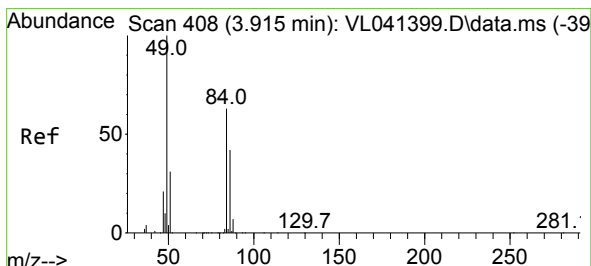
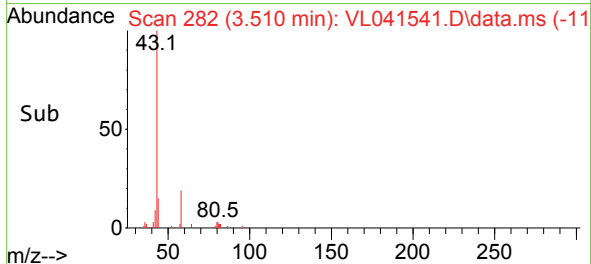
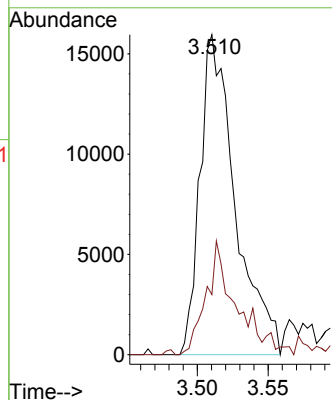
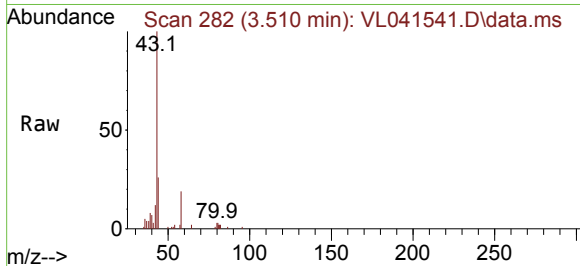
VL0819ABL01

Tgt Ion: 43 Resp: 27610

Ion Ratio Lower Upper

43 100

58 34.3 21.4 32.2#



#20

Methylene Chloride

Concen: 0.129 ppbv

RT: 3.947 min Scan# 418

Delta R.T. -0.003 min

Lab File: VL041541.D

Acq: 19 Aug 2024 10:07

Tgt Ion: 84 Resp: 4910

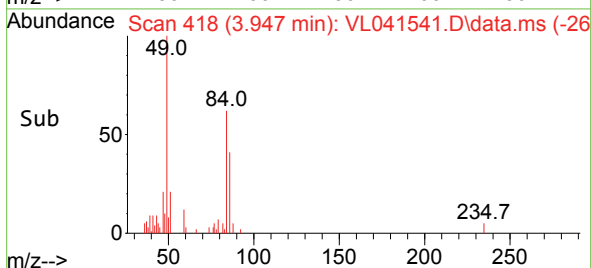
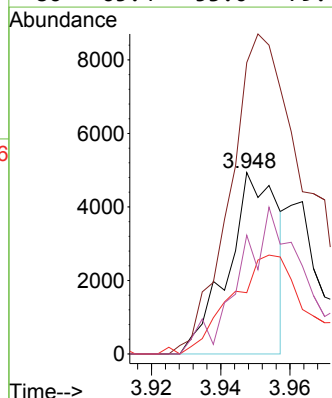
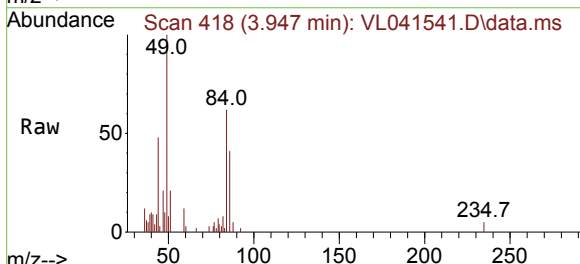
Ion Ratio Lower Upper

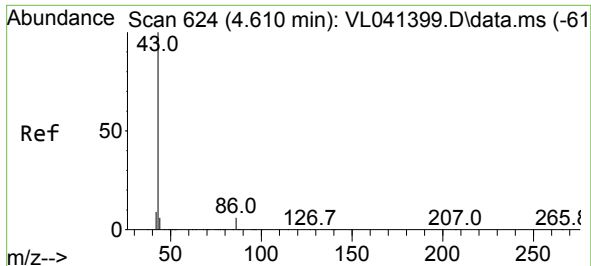
84 100

49 156.0 126.6 190.0

51 33.8 38.6 58.0#

86 65.4 53.0 79.4

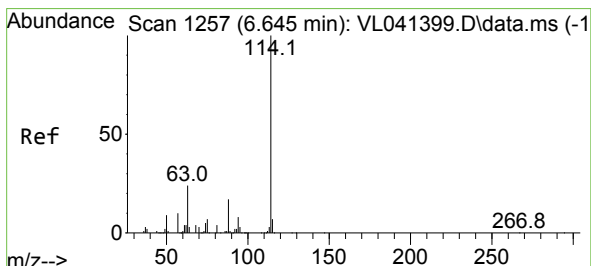
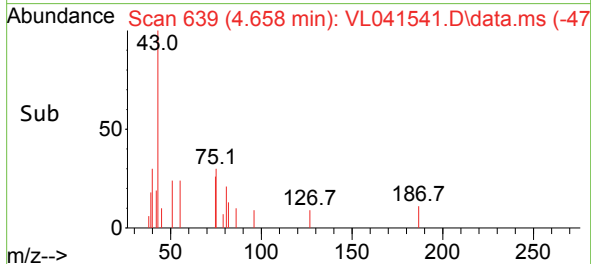
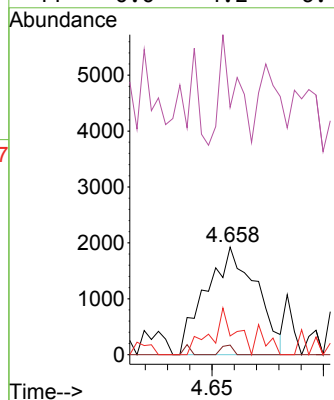
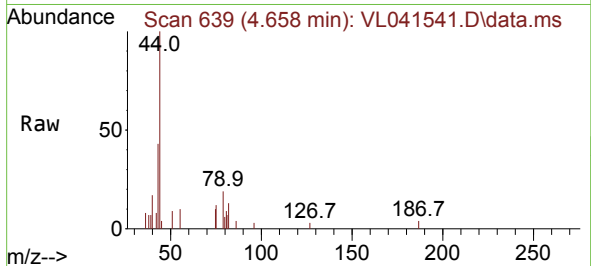




#23  
 Vinyl Acetate  
 Concen: 0.039 ppbv  
 RT: 4.658 min Scan# 61  
 Delta R.T. 0.016 min  
 Lab File: VL041541.D  
 Acq: 19 Aug 2024 10:07

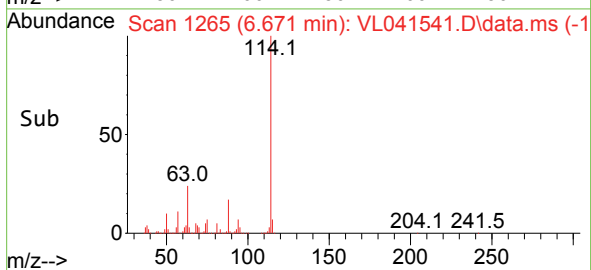
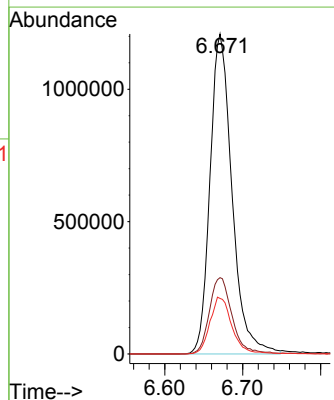
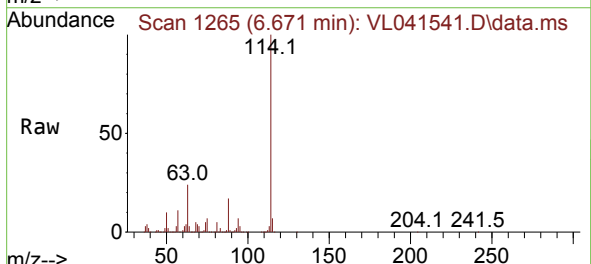
Instrument :  
 MSVOA\_L  
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 VL0819ABL01

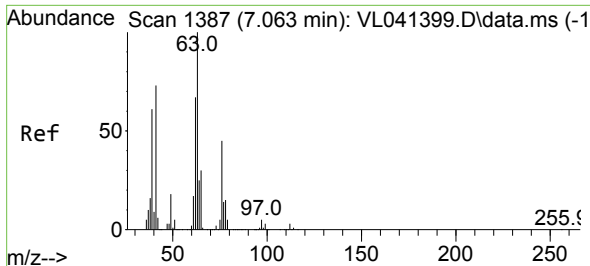
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 3034  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 86 8.9      | 4.6 6.8#    |
| 42 17.5     | 7.9 11.9#   |
| 44 0.0      | 4.2 6.4#    |



#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 6.671 min Scan# 1265  
 Delta R.T. 0.000 min  
 Lab File: VL041541.D  
 Acq: 19 Aug 2024 10:07

|             |               |       |       |
|-------------|---------------|-------|-------|
| Tgt Ion:114 | Resp: 2374230 |       |       |
| Ion         | Ratio         | Lower | Upper |
| 114         | 100           |       |       |
| 63          | 24.9          | 20.3  | 30.5  |
| 88          | 17.9          | 14.3  | 21.5  |





#39

1,2-Dichloropropane

Concen: 8.694 ppbv

RT: 6.671 min Scan# 11

Delta R.T. -0.424 min

Lab File: VL041541.D

Acq: 19 Aug 2024 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0819ABL01

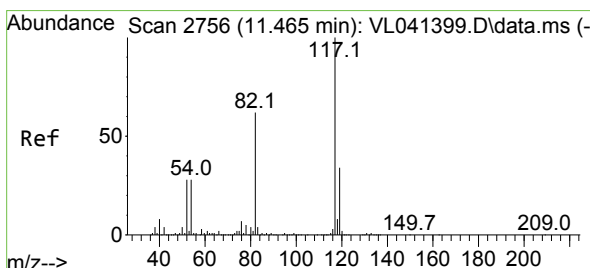
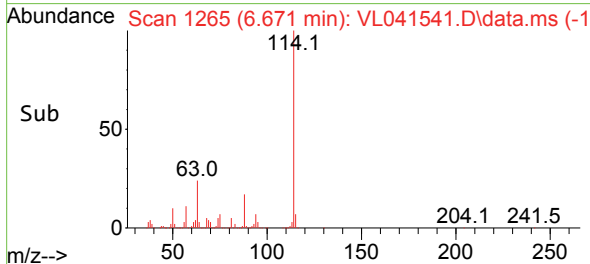
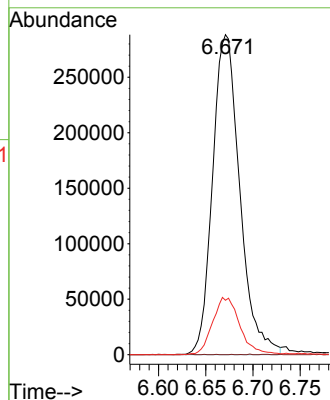
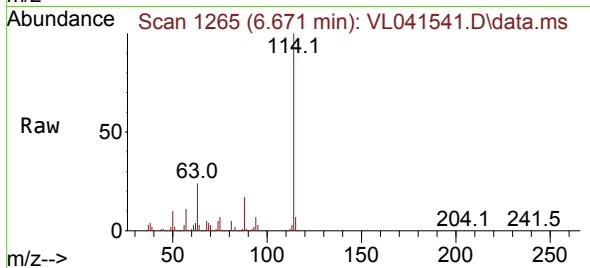
Tgt Ion: 63 Resp: 577437

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.0 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 2762

Delta R.T. -0.006 min

Lab File: VL041541.D

Acq: 19 Aug 2024 10:07

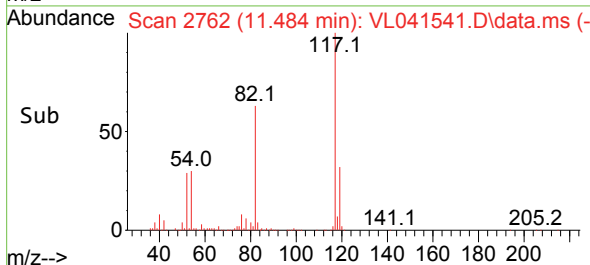
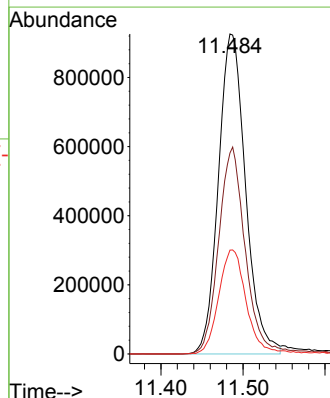
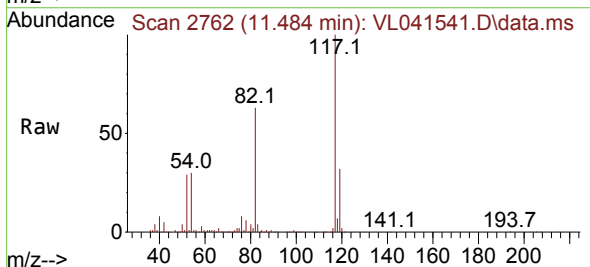
Tgt Ion: 117 Resp: 2131055

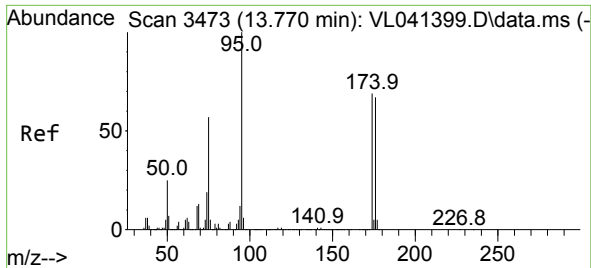
Ion Ratio Lower Upper

117 100

82 65.1 51.0 76.6

119 33.2 45.2 67.8#





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.684 ppbv  
 RT: 13.799 min Scan# 34  
 Delta R.T. 0.000 min  
 Lab File: VL041541.D  
 Acq: 19 Aug 2024 10:07

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0819ABL01

Tgt Ion: 95 Resp: 1588219  
 Ion Ratio Lower Upper  
 95 100  
 174 71.7 56.3 84.5  
 175 5.1 4.0 6.0

