

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110724\  
 Data File : VL041687.D  
 Acq On : 7 Nov 2024 21:03  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Nov 08 03:53:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110724AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Nov 08 01:01:00 2024  
 Response via : Initial Calibration

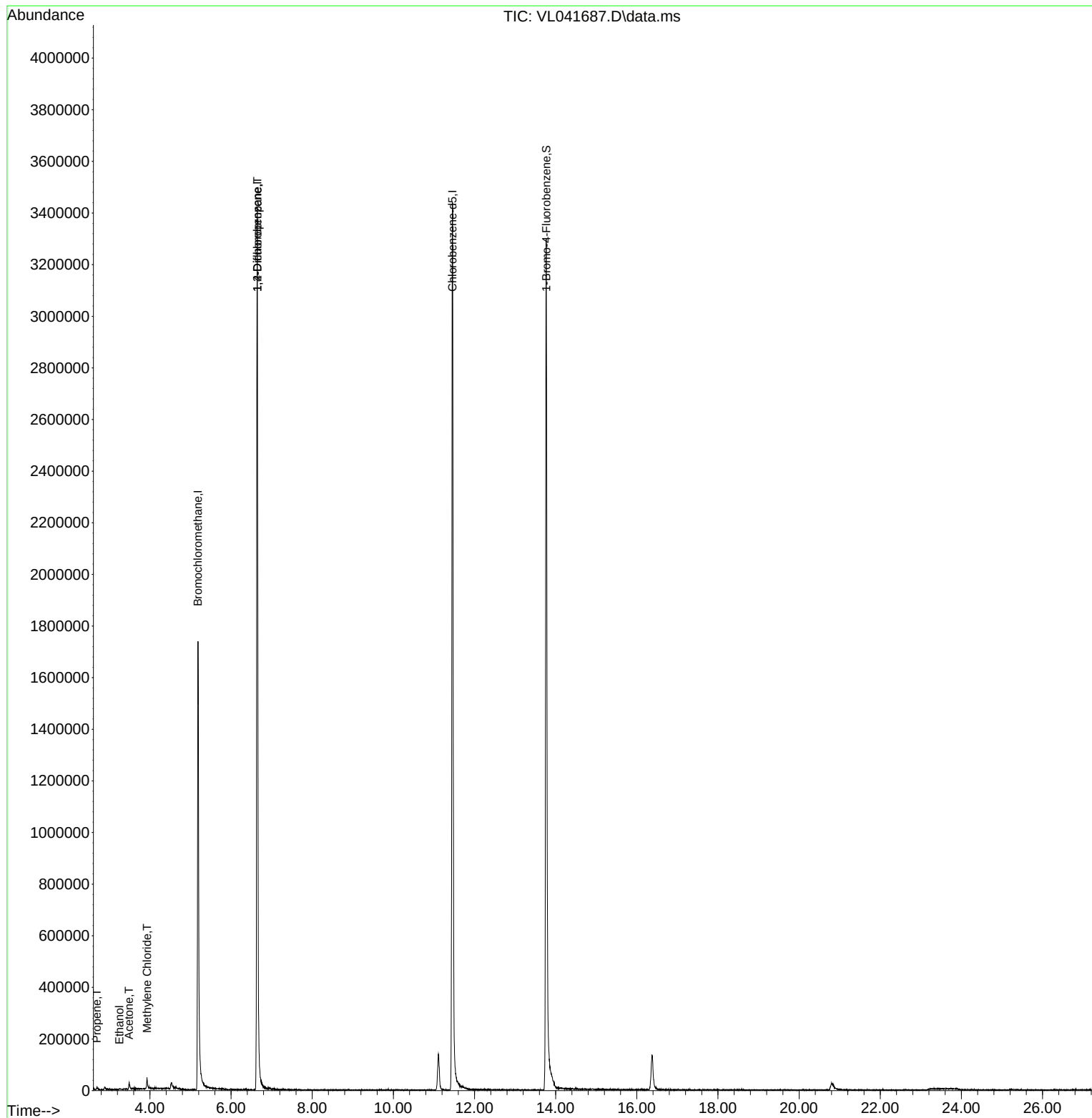
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.182  | 49    | 950727   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.645  | 114   | 2562315  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.455 | 117   | 2280755  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.767 | 95    | 1620701  | 9.644    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 96.400%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 2.690  | 41    | 1923     | 0.036    | ppbv # | 15       |
| 13) Ethanol                 | 3.247  | 45    | 417      | 0.126    | ppbv # | 40       |
| 15) Acetone                 | 3.484  | 43    | 23358    | 0.200    | ppbv # | 82       |
| 20) Methylene Chloride      | 3.928  | 84    | 11853    | 0.275    | ppbv   | 87       |
| 39) 1,2-Dichloropropane     | 6.645  | 63    | 634587   | 8.458    | ppbv # | 23       |
| -----                       |        |       |          |          |        |          |

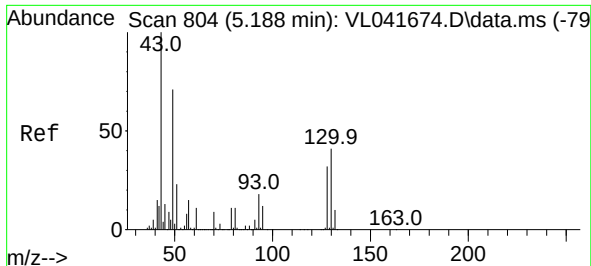
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
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Response via : Initial Calibration

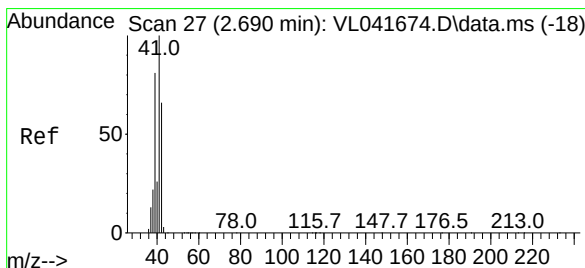
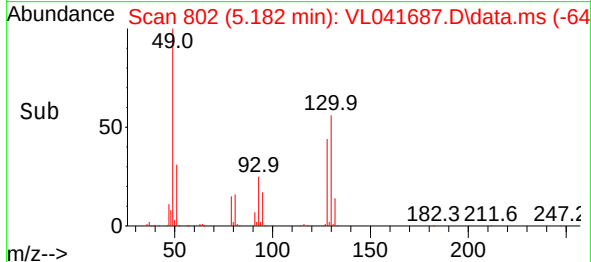
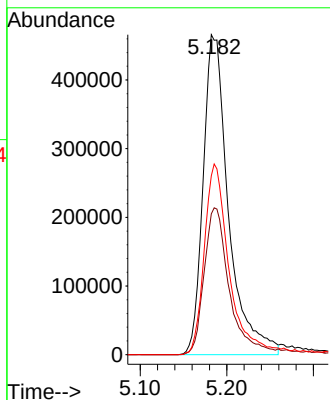
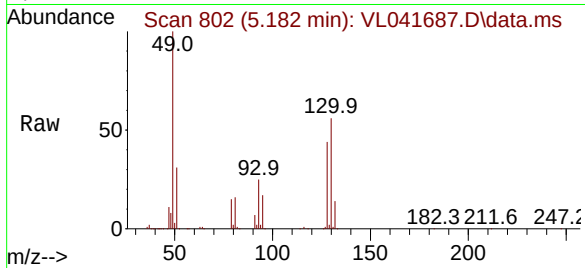




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.182 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: VL041687.D  
Acq: 7 Nov 2024 21:03

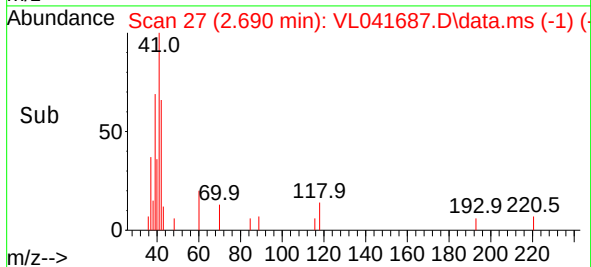
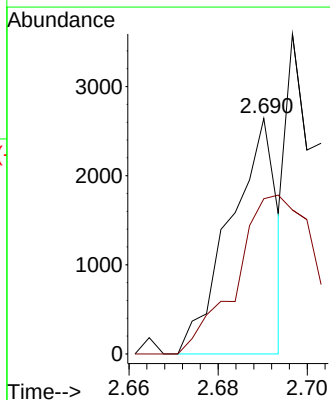
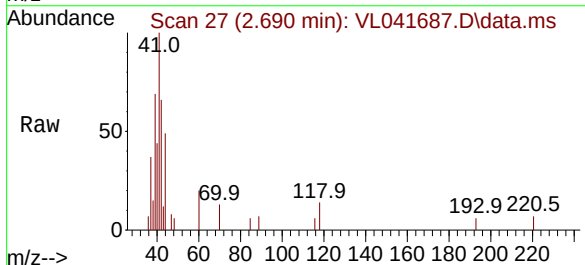
Instrument :  
MSVOA\_L  
ClientSampleId :

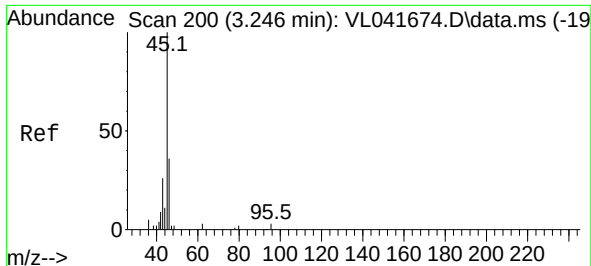
Tgt Ion: 49 Resp: 950727  
Ion Ratio Lower Upper  
49 100  
128 47.3 23.8 71.2  
130 59.6 30.1 90.5



#9  
Propene  
Concen: 0.036 ppbv  
RT: 2.690 min Scan# 27  
Delta R.T. 0.000 min  
Lab File: VL041687.D  
Acq: 7 Nov 2024 21:03

Tgt Ion: 41 Resp: 1923  
Ion Ratio Lower Upper  
41 100  
42 0.0 55.0 82.4#





#13

Ethanol

Concen: 0.126 ppbv

RT: 3.247 min Scan# 200

Delta R.T. 0.000 min

Lab File: VL041687.D

Acq: 7 Nov 2024 21:03

Instrument :

MSVOA\_L

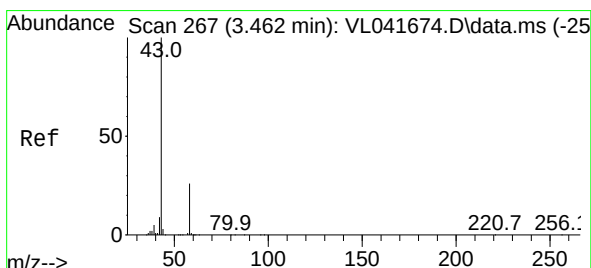
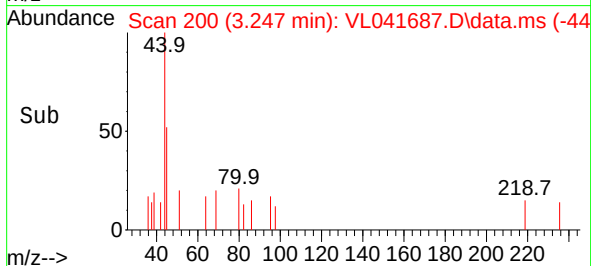
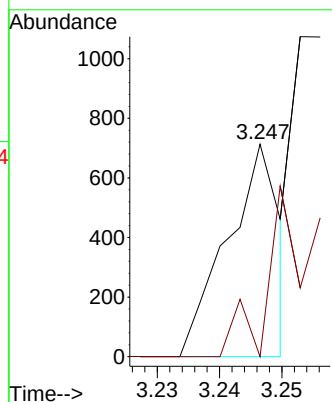
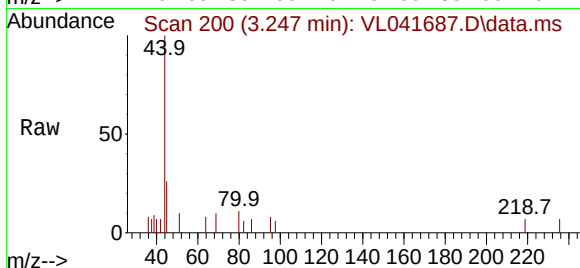
ClientSampleId :

Tgt Ion: 45 Resp: 417

Ion Ratio Lower Upper

45 100

46 0.0 13.8 55.2#



#15

Acetone

Concen: 0.200 ppbv

RT: 3.484 min Scan# 274

Delta R.T. 0.023 min

Lab File: VL041687.D

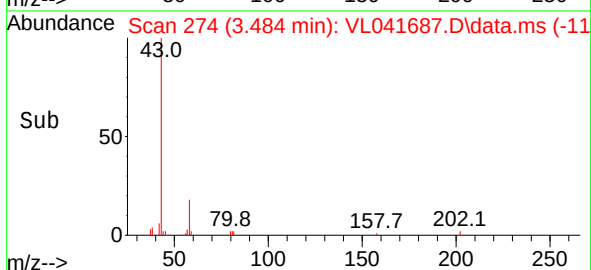
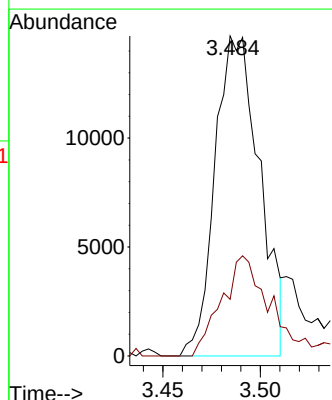
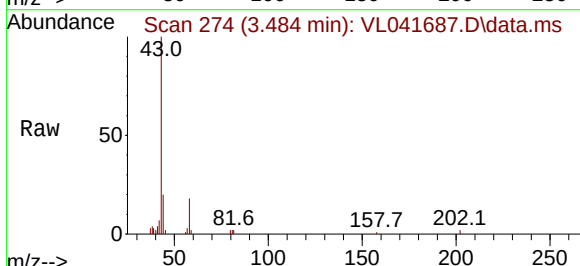
Acq: 7 Nov 2024 21:03

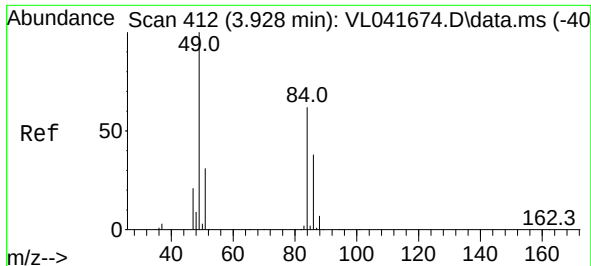
Tgt Ion: 43 Resp: 23358

Ion Ratio Lower Upper

43 100

58 36.2 21.4 32.0#





#20

Methylene Chloride

Concen: 0.275 ppbv

RT: 3.928 min Scan# 41

Delta R.T. 0.000 min

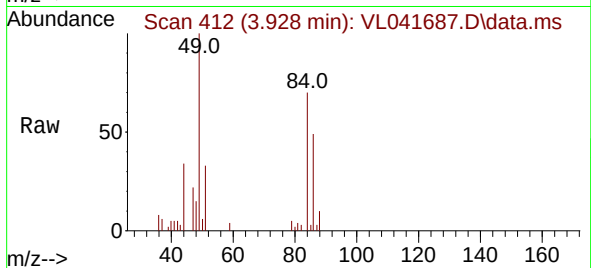
Lab File: VL041687.D

Acq: 7 Nov 2024 21:03

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion: 84 Resp: 11853

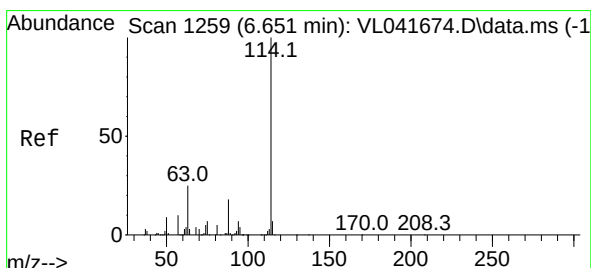
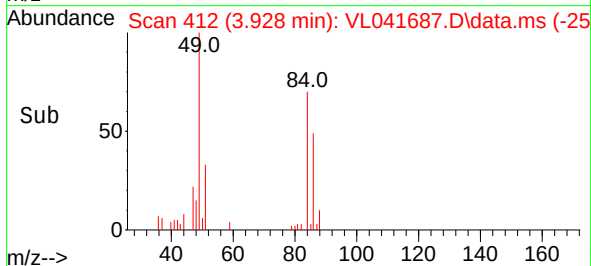
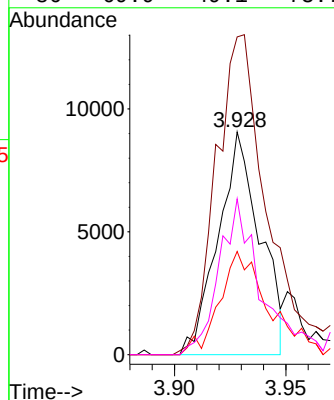
Ion Ratio Lower Upper

84 100

49 140.8 129.7 194.5

51 46.4 39.8 59.6

86 69.9 49.1 73.7



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1257

Delta R.T. -0.006 min

Lab File: VL041687.D

Acq: 7 Nov 2024 21:03

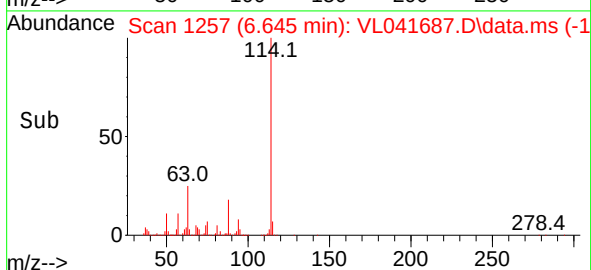
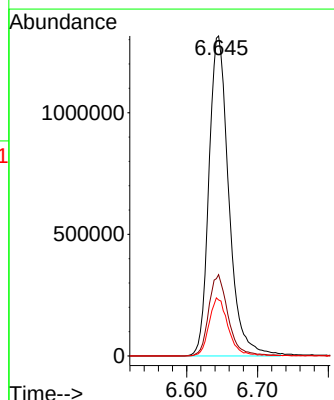
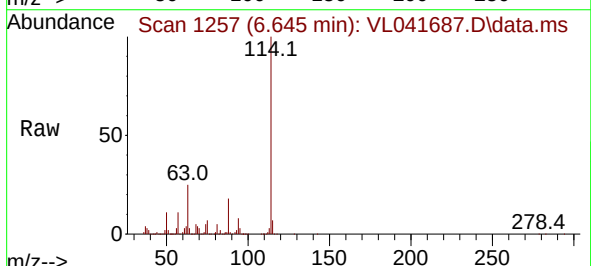
Tgt Ion: 114 Resp: 2562315

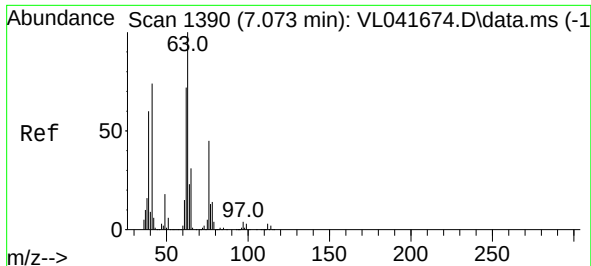
Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.7 14.2 21.4





#39

1,2-Dichloropropane

Concen: 8.458 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.428 min

Lab File: VL041687.D

Acq: 7 Nov 2024 21:03

Instrument :

MSVOA\_L

ClientSampleId :

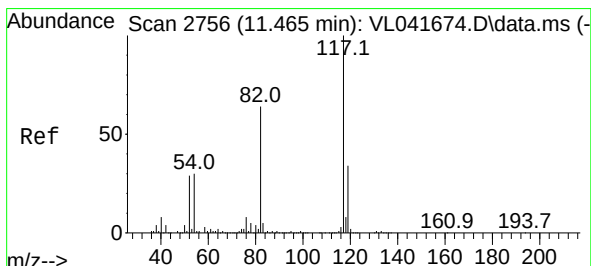
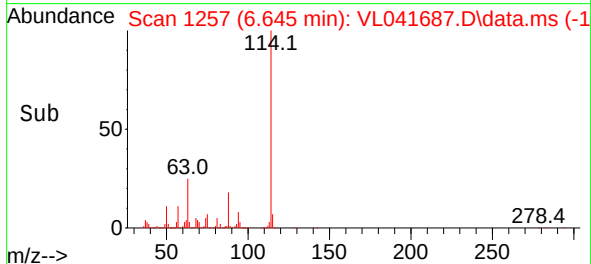
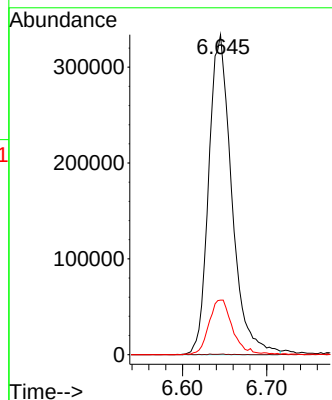
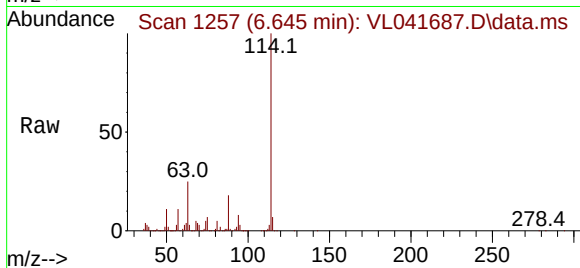
Tgt Ion: 63 Resp: 634587

Ion Ratio Lower Upper

63 100

41 0.1 59.1 88.7#

62 17.1 57.7 86.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 2753

Delta R.T. -0.010 min

Lab File: VL041687.D

Acq: 7 Nov 2024 21:03

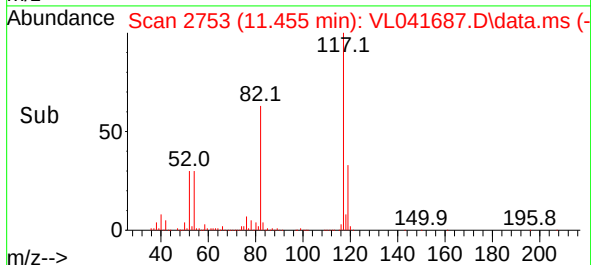
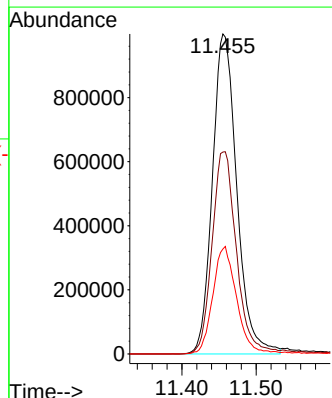
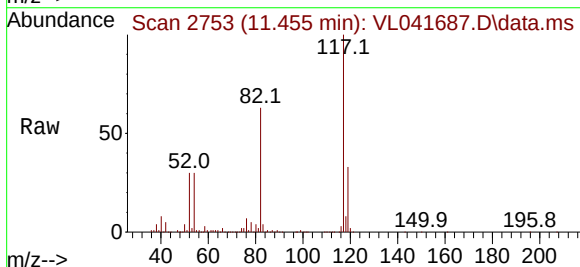
Tgt Ion: 117 Resp: 2280755

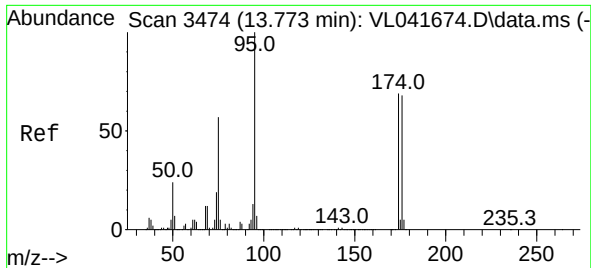
Ion Ratio Lower Upper

117 100

82 64.8 49.8 74.8

119 33.1 24.2 36.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.644 ppbv

RT: 13.767 min Scan# 34

Delta R.T. -0.006 min

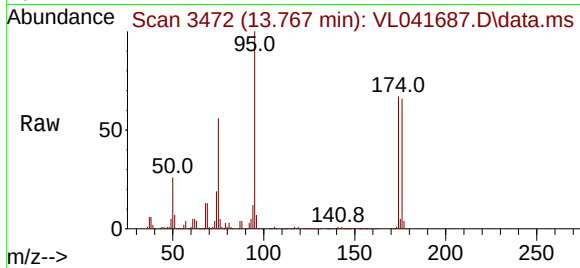
Lab File: VL041687.D

Acq: 7 Nov 2024 21:03

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion: 95 Resp: 1620701

Ion Ratio Lower Upper

95 100

174 71.0 55.6 83.4

175 5.0 4.2 6.2

