

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060524\  
 Data File : VL041325.D  
 Acq On : 5 Jun 2024 13:24  
 Operator : SY/MD  
 Sample : P2673-06DL 4X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jun 06 04:38:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL060424AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Jun 05 04:42:10 2024  
 Response via : Initial Calibration

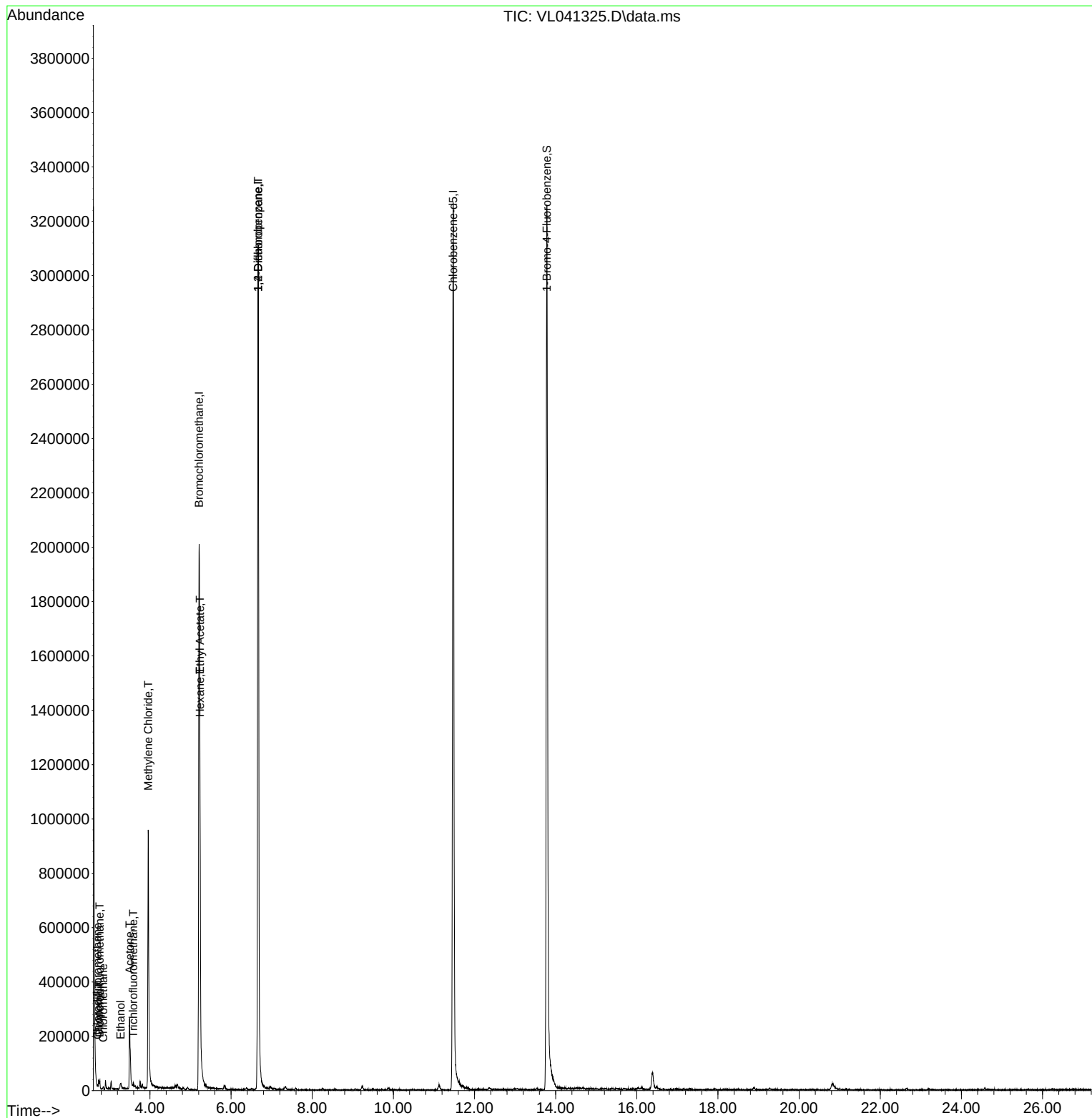
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.211  | 49    | 900244   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.668  | 114   | 2361470  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.475 | 117   | 2143680  | 10.000   | ppbv   | 0.01     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.783 | 95    | 1684117  | 10.175   | ppbv   | 0.01     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 101.800% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane  | 2.761  | 85    | 15997    | 0.111    | ppbv   | 92       |
| 3) Chlorodifluoromethane    | 2.706  | 51    | 11155    | 0.078    | ppbv   | 94       |
| 4) Chloromethane            | 2.848  | 50    | 6529     | 0.122    | ppbv   | 95       |
| 9) Propene                  | 2.739  | 41    | 5445     | 0.107    | ppbv   | 90       |
| 11) Trichlorofluoromethane  | 3.587  | 101   | 7620     | 0.058    | ppbv   | 97       |
| 13) Ethanol                 | 3.276  | 45    | 11881    | 0.901    | ppbv # | 7        |
| 15) Acetone                 | 3.501  | 43    | 275230   | 2.678    | ppbv   | 100      |
| 20) Methylene Chloride      | 3.960  | 84    | 308779   | 8.265    | ppbv   | 97       |
| 25) Ethyl Acetate           | 5.230  | 43    | 229473   | 1.129    | ppbv # | 77       |
| 26) Hexane                  | 5.234  | 57    | 319755   | 3.497    | ppbv # | 42       |
| 39) 1,2-Dichloropropane     | 6.668  | 63    | 591735   | 8.119    | ppbv # | 25       |
| -----                       |        |       |          |          |        |          |

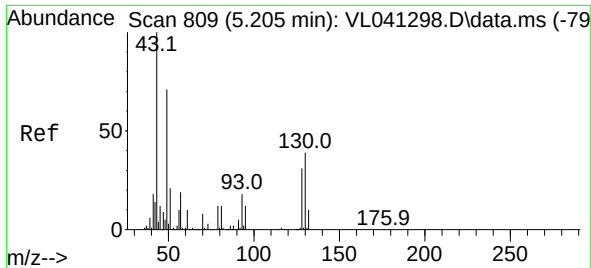
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 05 04:42:10 2024  
Response via : Initial Calibration

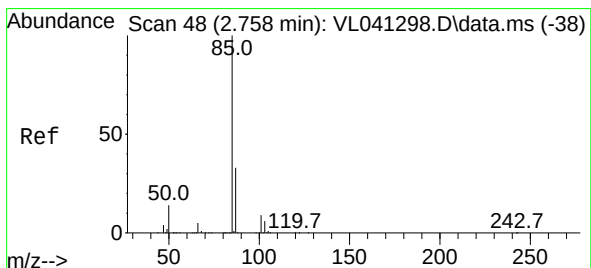
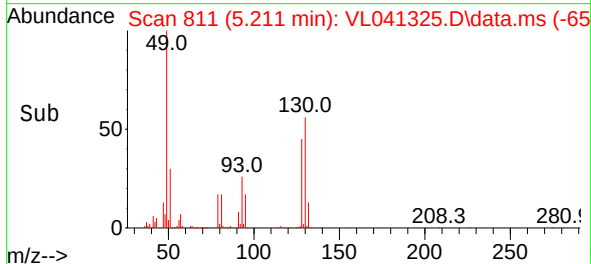
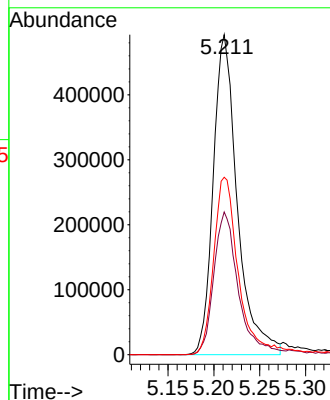
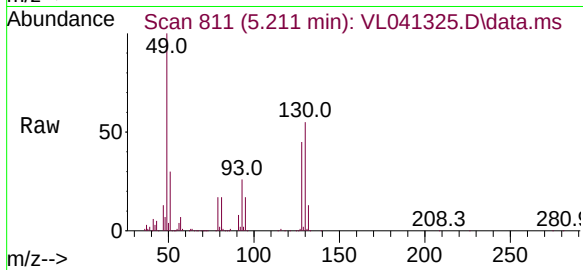




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.211 min Scan# 81  
 Delta R.T. 0.006 min  
 Lab File: VL041325.D  
 Acq: 5 Jun 2024 13:24

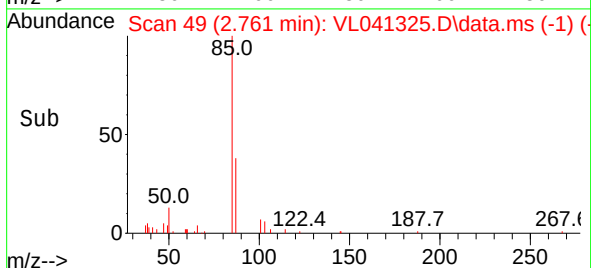
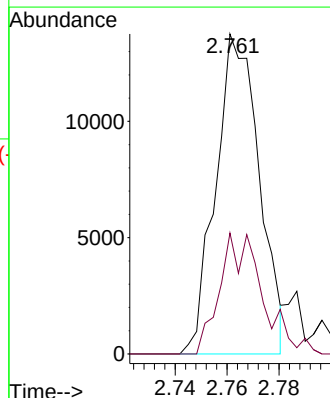
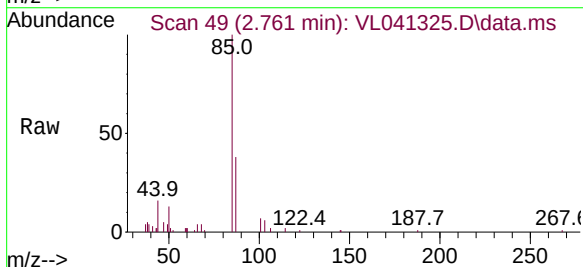
Instrument :  
 MSVOA\_L  
 ClientSampleId :

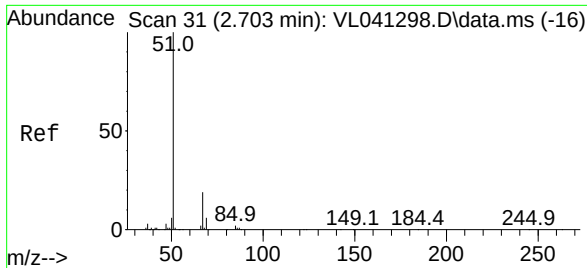
Tgt Ion: 49 Resp: 900244  
 Ion Ratio Lower Upper  
 49 100  
 128 47.2 22.8 68.3  
 130 59.1 28.4 85.3



#2  
 Dichlorodifluoromethane  
 Concen: 0.111 ppbv  
 RT: 2.761 min Scan# 49  
 Delta R.T. 0.003 min  
 Lab File: VL041325.D  
 Acq: 5 Jun 2024 13:24

Tgt Ion: 85 Resp: 15997  
 Ion Ratio Lower Upper  
 85 100  
 87 37.8 26.5 39.7

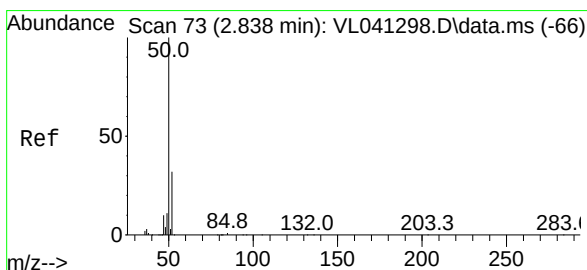
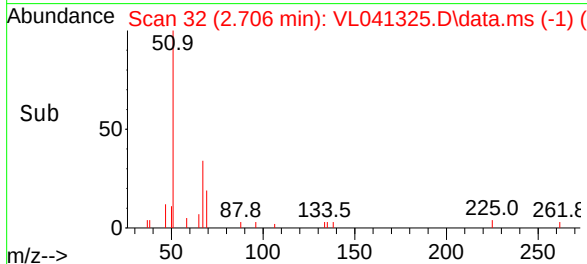
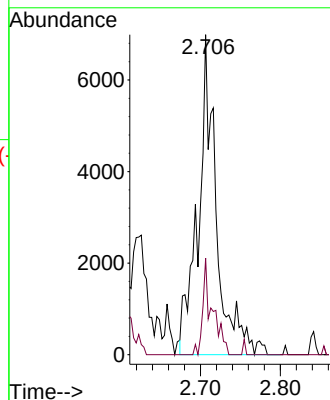
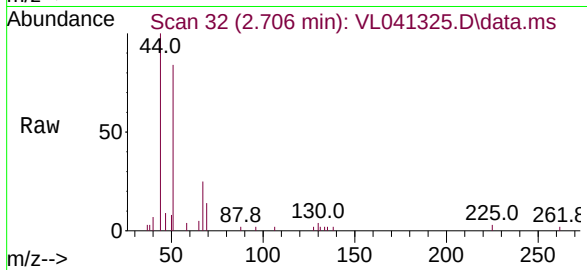




#3  
Chlorodifluoromethane  
Concen: 0.078 ppbv  
RT: 2.706 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL041325.D  
Acq: 5 Jun 2024 13:24

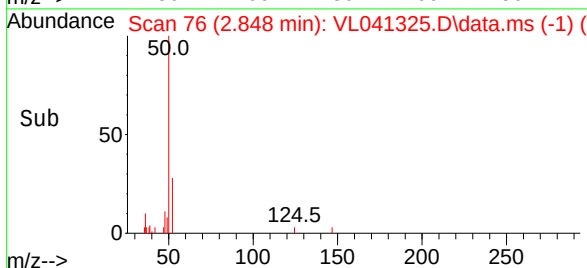
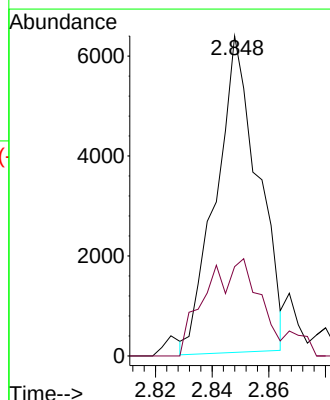
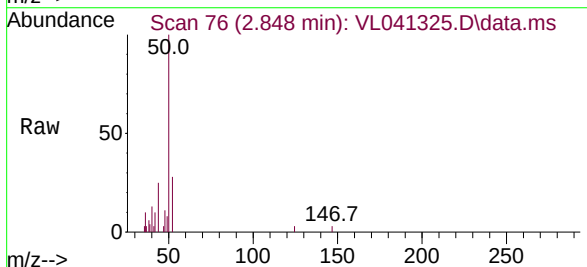
Instrument :  
MSVOA\_L  
ClientSampleId :

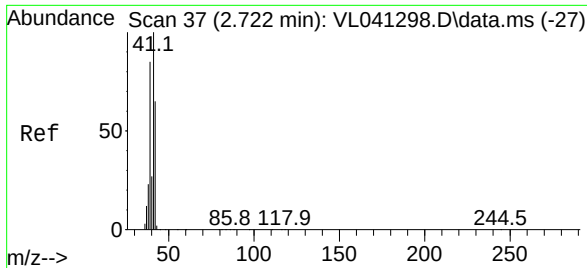
Tgt Ion: 51 Resp: 11155  
Ion Ratio Lower Upper  
51 100  
67 15.8 14.7 22.1



#4  
Chloromethane  
Concen: 0.122 ppbv  
RT: 2.848 min Scan# 76  
Delta R.T. 0.010 min  
Lab File: VL041325.D  
Acq: 5 Jun 2024 13:24

Tgt Ion: 50 Resp: 6529  
Ion Ratio Lower Upper  
50 100  
52 29.2 25.6 38.4





#9

Propene

Concen: 0.107 ppbv

RT: 2.739 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

Instrument :

MSVOA\_L

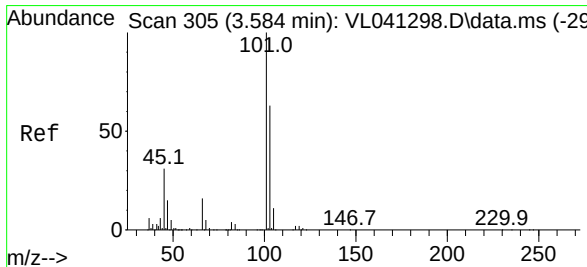
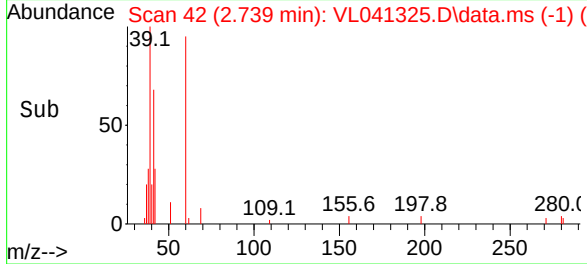
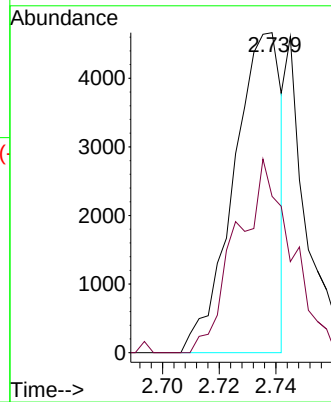
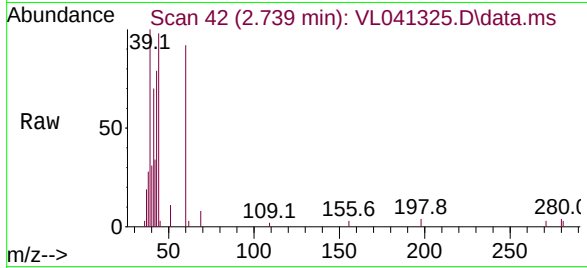
ClientSampleId :

Tgt Ion: 41 Resp: 5445

Ion Ratio Lower Upper

41 100

42 76.8 55.2 82.8



#11

Trichlorofluoromethane

Concen: 0.058 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.003 min

Lab File: VL041325.D

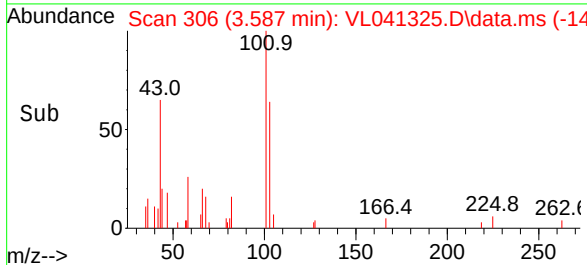
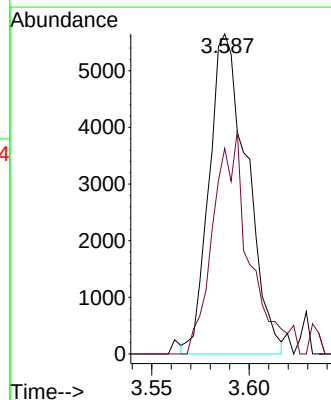
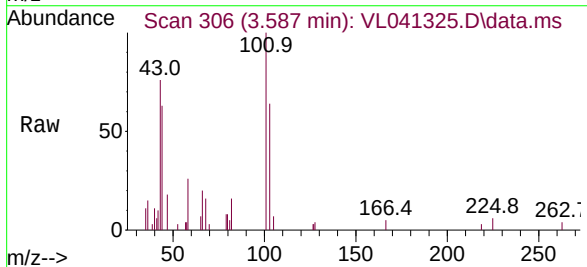
Acq: 5 Jun 2024 13:24

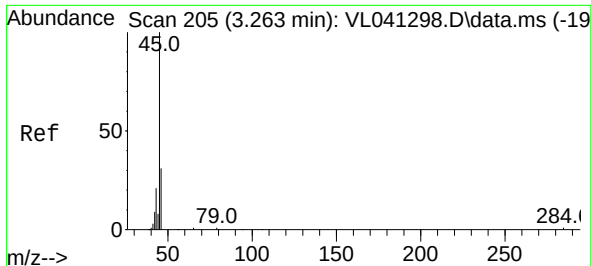
Tgt Ion: 101 Resp: 7620

Ion Ratio Lower Upper

101 100

103 66.0 50.6 76.0





#13

Ethanol

Concen: 0.901 ppbv

RT: 3.276 min Scan# 20

Delta R.T. 0.013 min

Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

Instrument :

MSVOA\_L

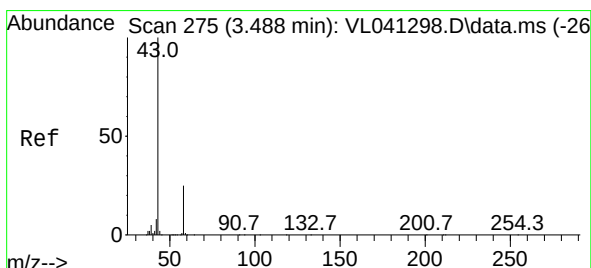
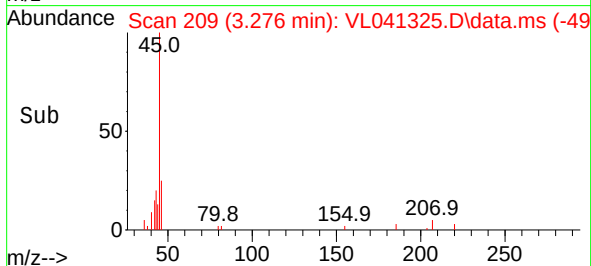
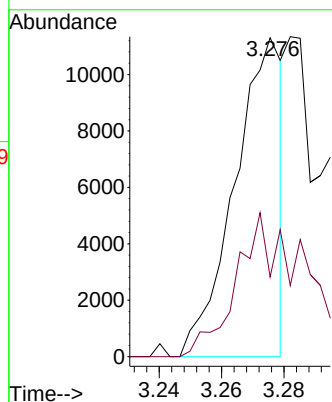
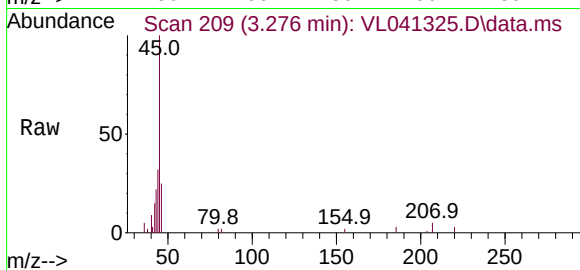
ClientSampleId :

Tgt Ion: 45 Resp: 11881

Ion Ratio Lower Upper

45 100

46 89.6 14.2 56.6#



#15

Acetone

Concen: 2.678 ppbv

RT: 3.501 min Scan# 279

Delta R.T. 0.013 min

Lab File: VL041325.D

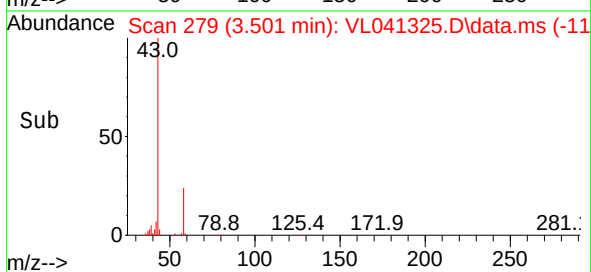
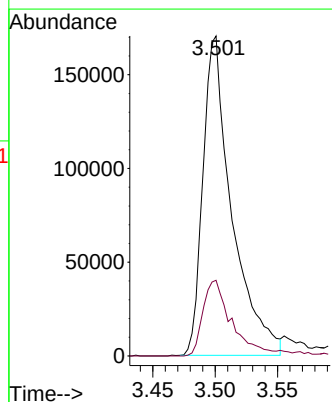
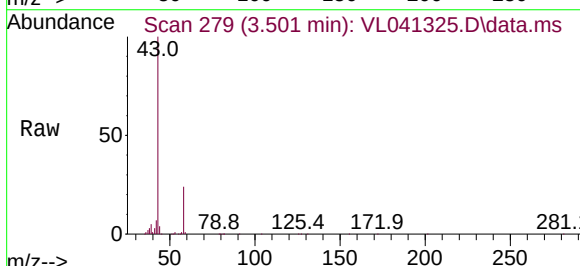
Acq: 5 Jun 2024 13:24

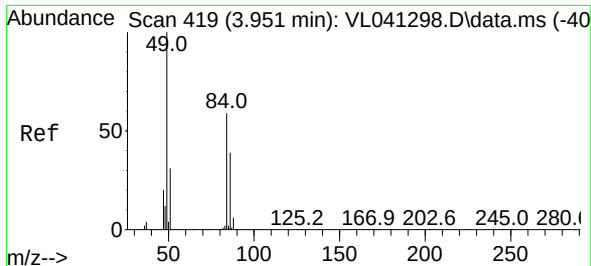
Tgt Ion: 43 Resp: 275230

Ion Ratio Lower Upper

43 100

58 25.8 20.6 31.0





#20

Methylene Chloride

Concen: 8.265 ppbv

RT: 3.960 min Scan# 419

Delta R.T. 0.010 min

Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

Instrument :

MSVOA\_L

ClientSampleId :

Tgt Ion: 84 Resp: 308779

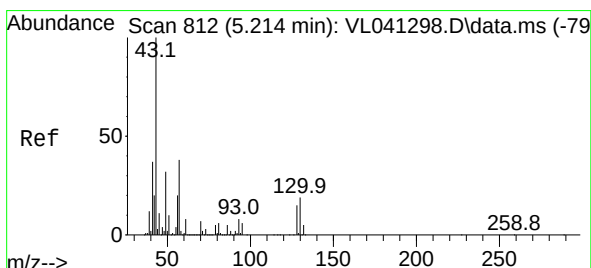
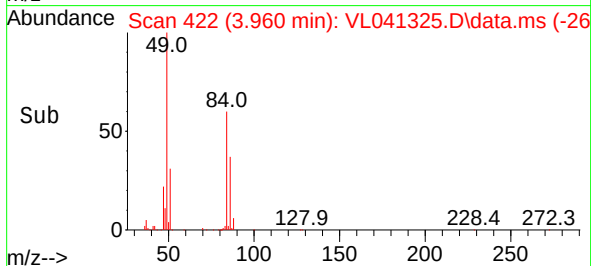
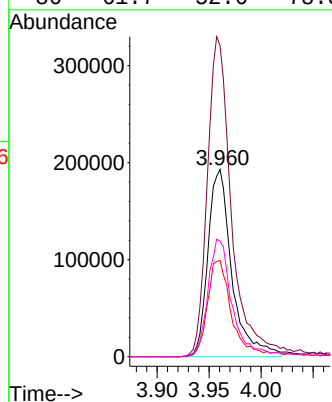
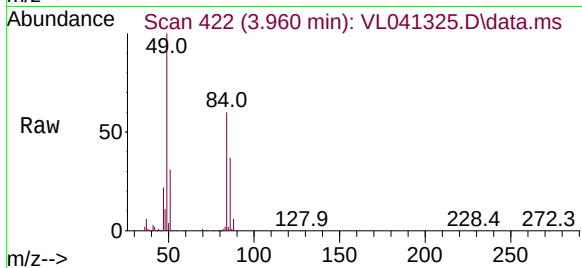
Ion Ratio Lower Upper

84 100

49 166.0 136.2 204.2

51 51.5 41.9 62.9

86 61.7 52.6 78.8



#25

Ethyl Acetate

Concen: 1.129 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.016 min

Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

Tgt Ion: 43 Resp: 229473

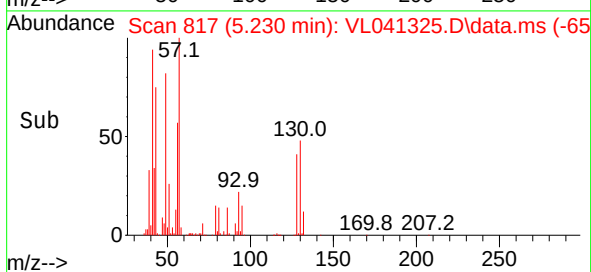
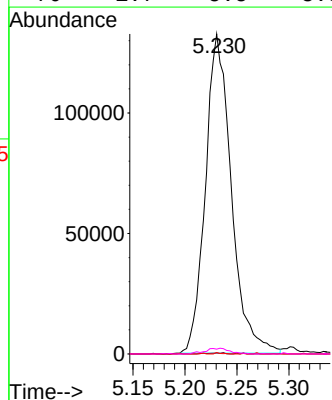
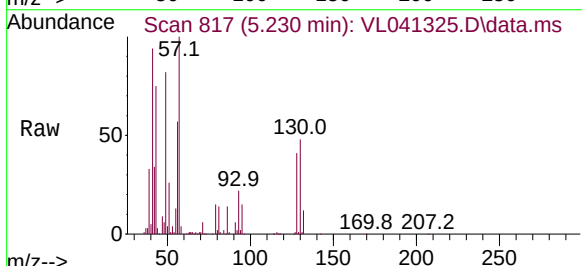
Ion Ratio Lower Upper

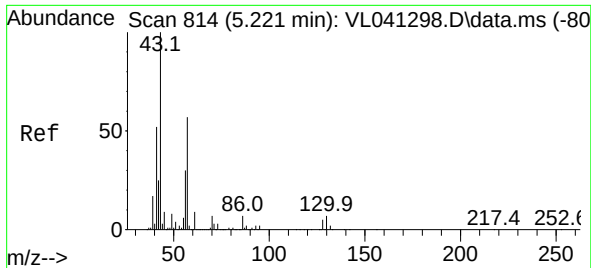
43 100

45 0.3 8.1 12.1#

61 0.1 7.4 11.0#

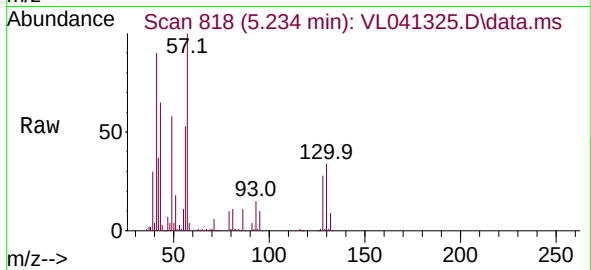
70 1.7 5.5 8.3#



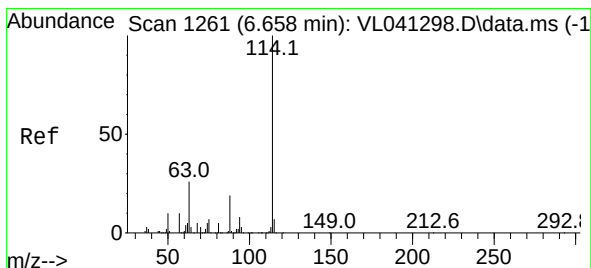
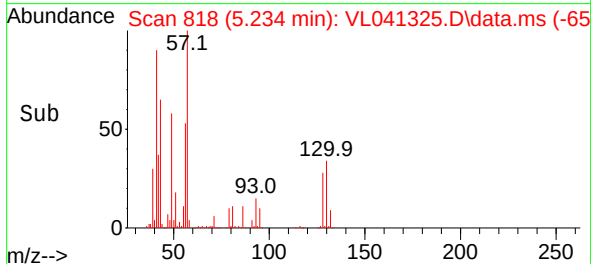
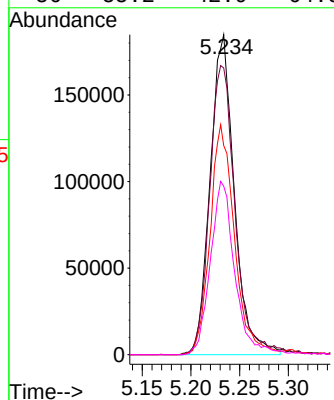


#26  
Hexane  
Concen: 3.497 ppbv  
RT: 5.234 min Scan# 814  
Delta R.T. 0.013 min  
Lab File: VL041325.D  
Acq: 5 Jun 2024 13:24

Instrument :  
MSVOA\_L  
ClientSampleId :

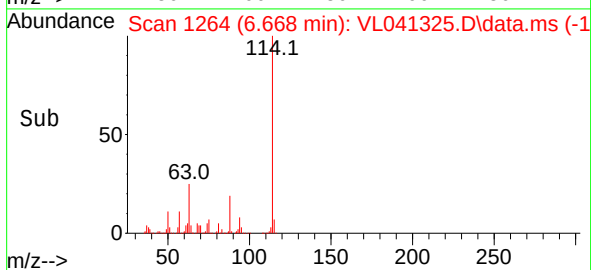
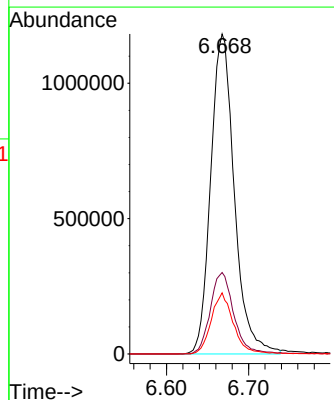
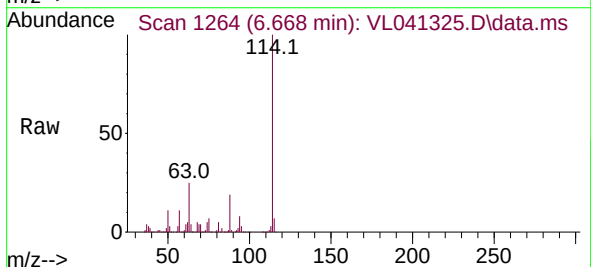


Tgt Ion: 57 Resp: 319755  
Ion Ratio Lower Upper  
57 100  
41 96.3 77.1 115.7  
43 73.9 186.1 279.1#  
56 55.2 42.9 64.3

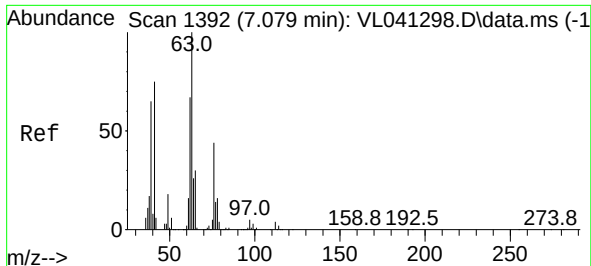


#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.668 min Scan# 1264  
Delta R.T. 0.010 min  
Lab File: VL041325.D  
Acq: 5 Jun 2024 13:24

Tgt Ion:114 Resp: 2361470  
Ion Ratio Lower Upper  
114 100  
63 25.7 20.6 30.8  
88 18.1 14.5 21.7







#39

1,2-Dichloropropane

Concen: 8.119 ppbv

RT: 6.668 min Scan# 11

Delta R.T. -0.411 min

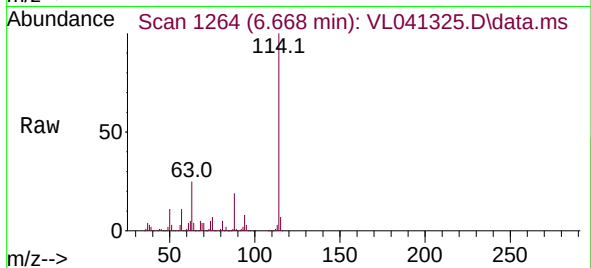
Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

Instrument :

MSVOA\_L

ClientSampleId :



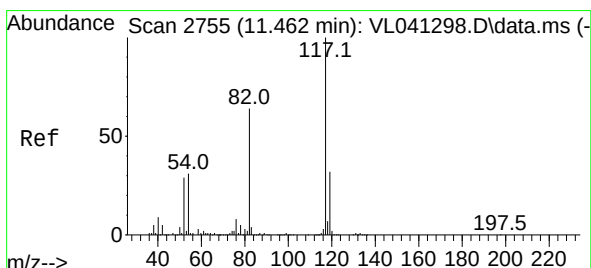
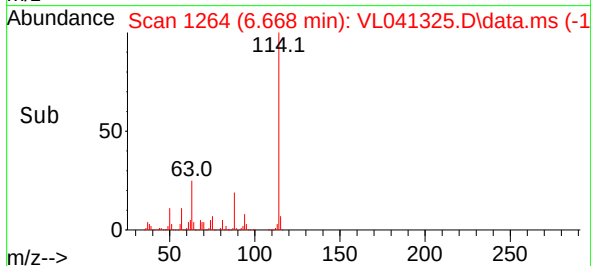
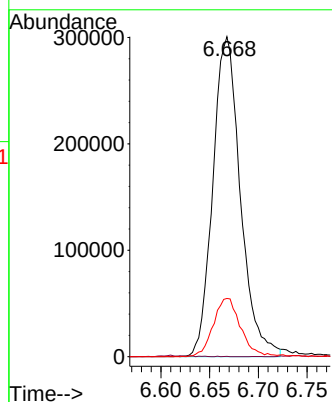
Tgt Ion: 63 Resp: 591735

Ion Ratio Lower Upper

63 100

41 0.0 59.9 89.9#

62 18.2 53.8 80.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.475 min Scan# 2759

Delta R.T. 0.013 min

Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

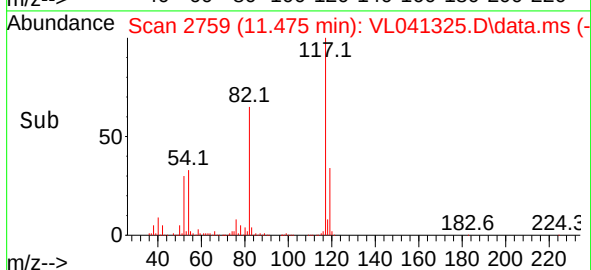
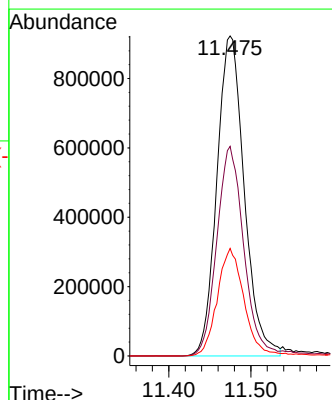
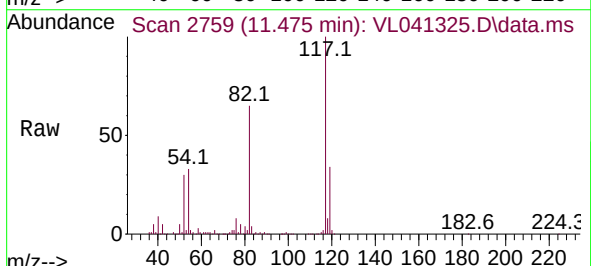
Tgt Ion: 117 Resp: 2143680

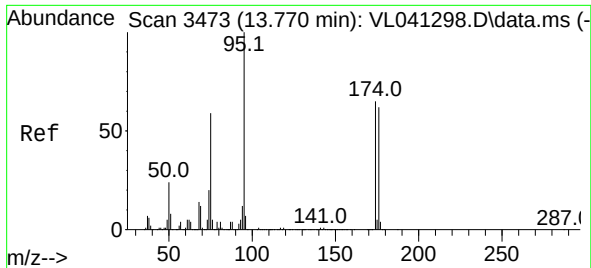
Ion Ratio Lower Upper

117 100

82 66.2 52.3 78.5

119 33.3 26.2 39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.175 ppbv

RT: 13.783 min Scan# 34

Delta R.T. 0.013 min

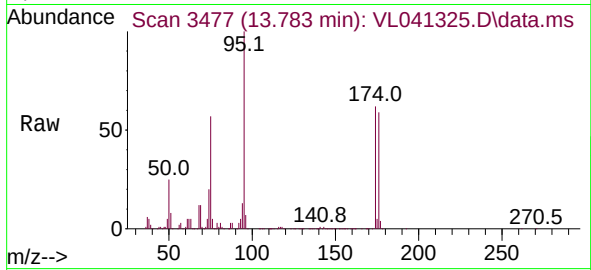
Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion: 95 Resp: 1684117

Ion Ratio Lower Upper

95 100

174 65.0 52.2 78.2

175 4.6 4.1 6.1

