

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060524\  
 Data File : VL041329.D  
 Acq On : 5 Jun 2024 16:11  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Quant Time: Jun 06 04:40:40 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

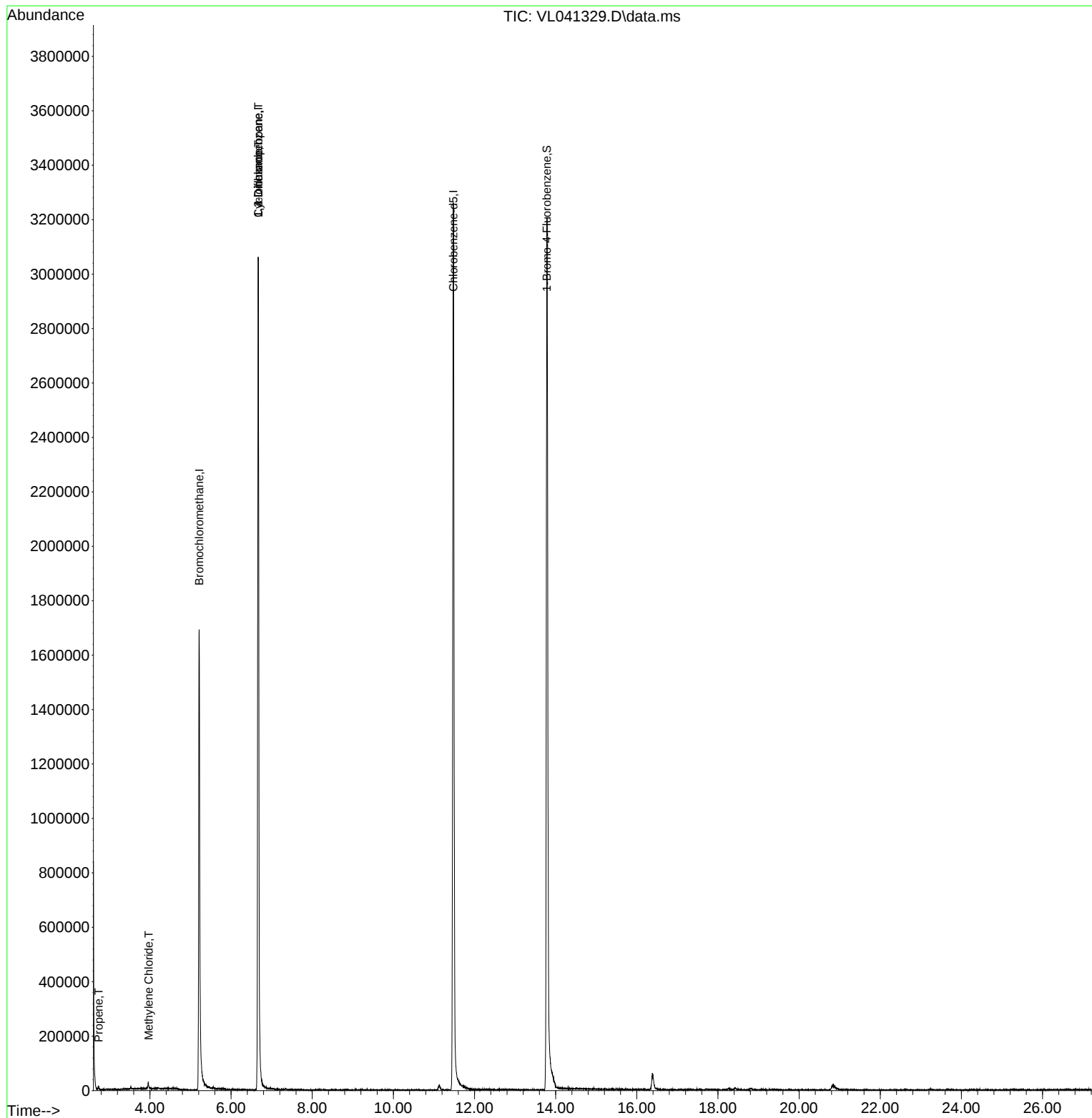
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.214  | 49    | 905594   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.671  | 114   | 2332031  | 10.000   | ppbv   | 0.01     |
| 55) Chlorobenzene-d5        | 11.478 | 117   | 2140076  | 10.000   | ppbv   | 0.02     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.786 | 95    | 1634804  | 9.894    | ppbv   | 0.02     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 98.900%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 2.735  | 41    | 3051     | 0.060    | ppbv   | 96       |
| 20) Methylene Chloride      | 3.967  | 84    | 5235     | 0.139    | ppbv # | 59       |
| 30) Cyclohexane             | 6.671  | 84    | 4225     | 0.057    | ppbv # | 1        |
| 39) 1,2-Dichloropropane     | 6.671  | 63    | 585826   | 8.139    | ppbv # | 25       |
| -----                       |        |       |          |          |        |          |

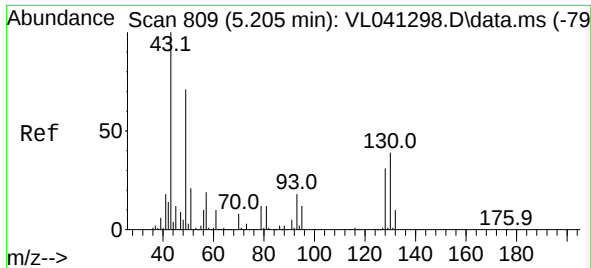
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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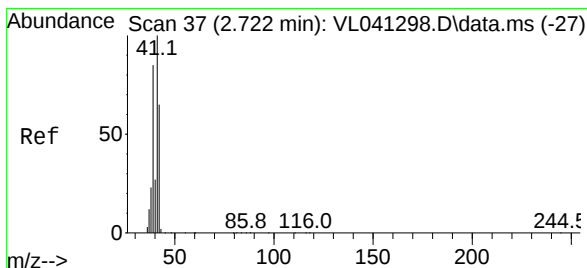
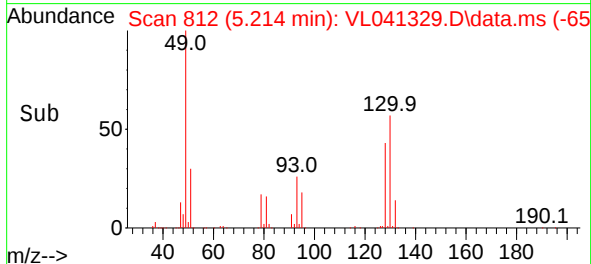
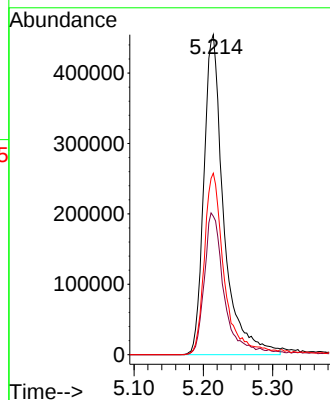
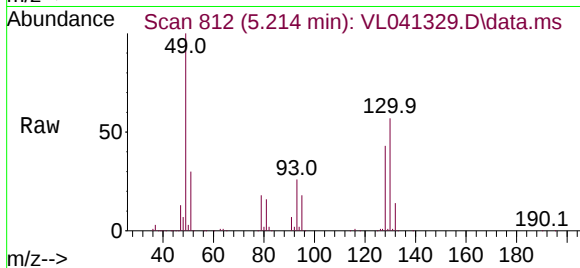




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.214 min Scan# 81  
Delta R.T. 0.009 min  
Lab File: VL041329.D  
Acq: 5 Jun 2024 16:11

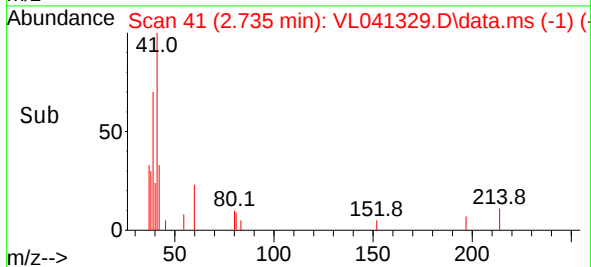
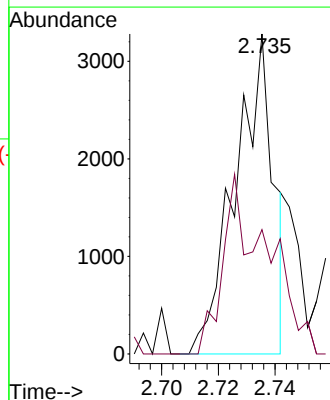
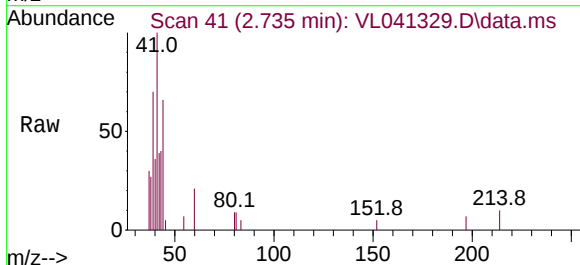
Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

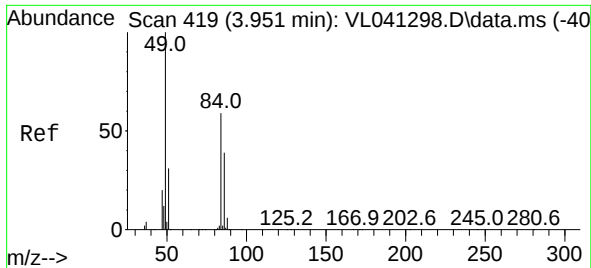
Tgt Ion: 49 Resp: 905594  
Ion Ratio Lower Upper  
49 100  
128 46.2 22.8 68.3  
130 58.2 28.4 85.3



#9  
Propene  
Concen: 0.060 ppbv  
RT: 2.735 min Scan# 41  
Delta R.T. 0.013 min  
Lab File: VL041329.D  
Acq: 5 Jun 2024 16:11

Tgt Ion: 41 Resp: 3051  
Ion Ratio Lower Upper  
41 100  
42 65.8 55.2 82.8



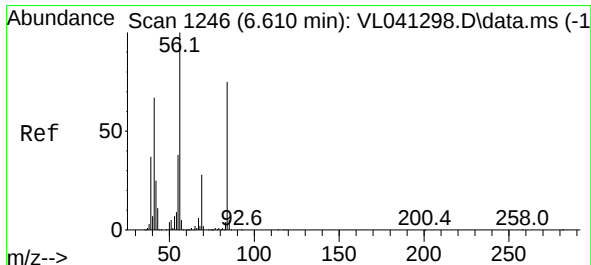
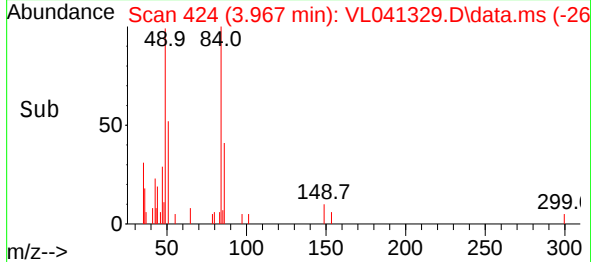
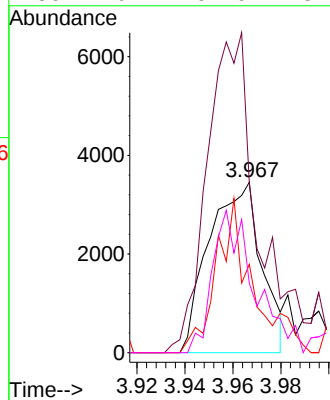
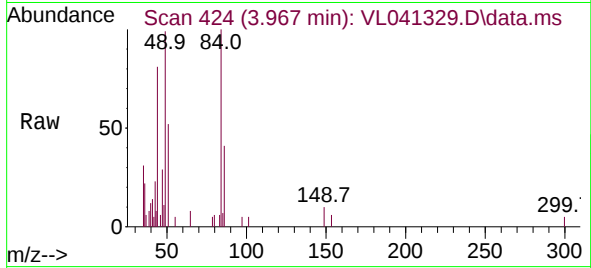


#20  
Methylene Chloride  
Concen: 0.139 ppbv  
RT: 3.967 min Scan# 41  
Delta R.T. 0.016 min  
Lab File: VL041329.D  
Acq: 5 Jun 2024 16:11

Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

Tgt Ion: 84 Resp: 5235

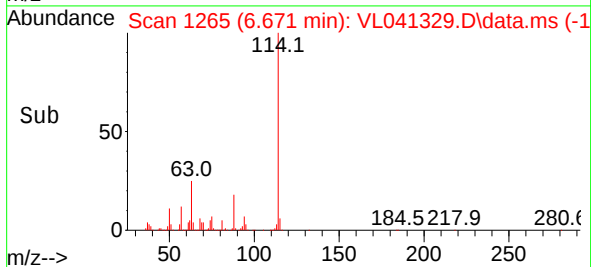
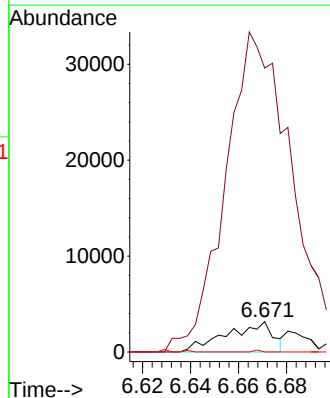
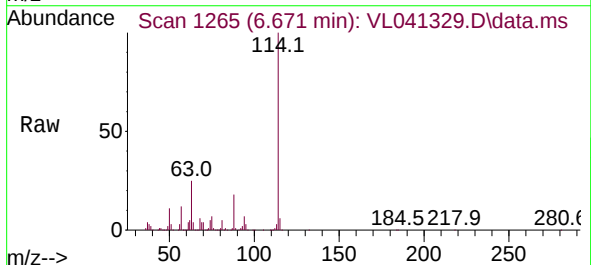
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 91.8  | 136.2 | 204.2# |
| 51  | 51.8  | 41.9  | 62.9   |
| 86  | 40.7  | 52.6  | 78.8#  |

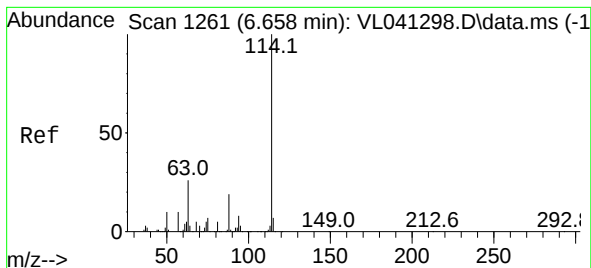


#30  
Cyclohexane  
Concen: 0.057 ppbv  
RT: 6.671 min Scan# 1265  
Delta R.T. 0.061 min  
Lab File: VL041329.D  
Acq: 5 Jun 2024 16:11

Tgt Ion: 84 Resp: 4225

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 84  | 100    |       |        |
| 56  | 1599.6 | 114.9 | 172.3# |
| 41  | 0.0    | 74.4  | 111.6# |





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 1265

Delta R.T. 0.013 min

Lab File: VL041329.D

Acq: 5 Jun 2024 16:11

Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

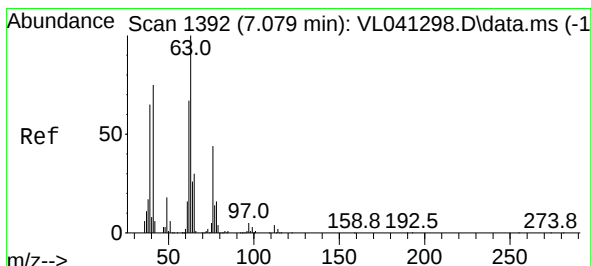
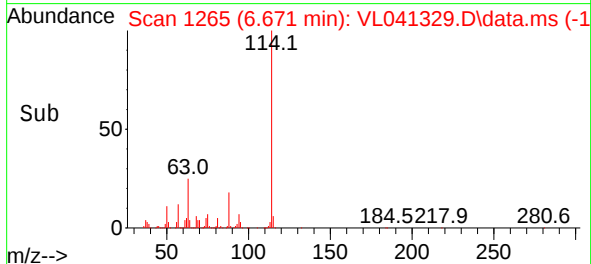
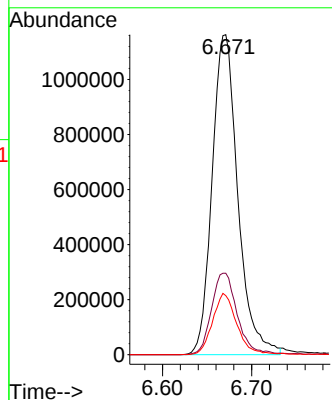
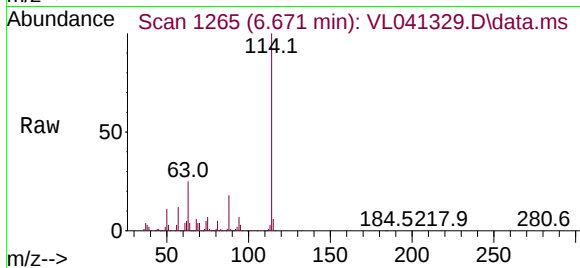
Tgt Ion:114 Resp: 2332031

Ion Ratio Lower Upper

114 100

63 26.0 20.6 30.8

88 18.2 14.5 21.7



#39

1,2-Dichloropropane

Concen: 8.139 ppbv

RT: 6.671 min Scan# 1265

Delta R.T. -0.408 min

Lab File: VL041329.D

Acq: 5 Jun 2024 16:11

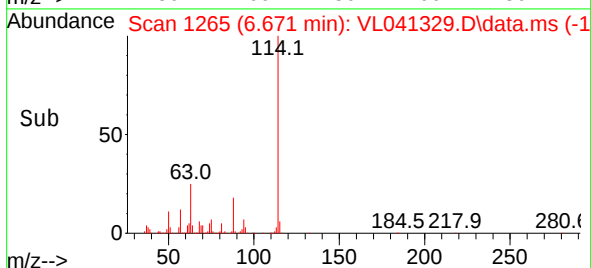
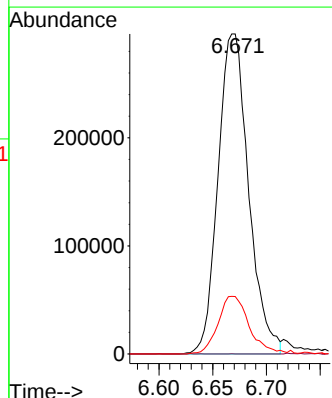
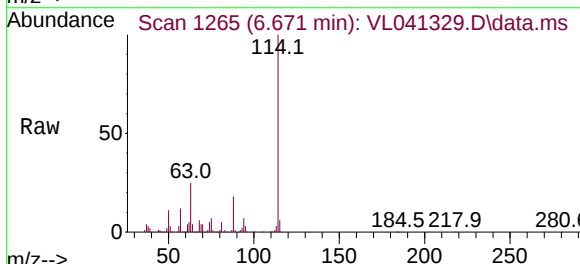
Tgt Ion: 63 Resp: 585826

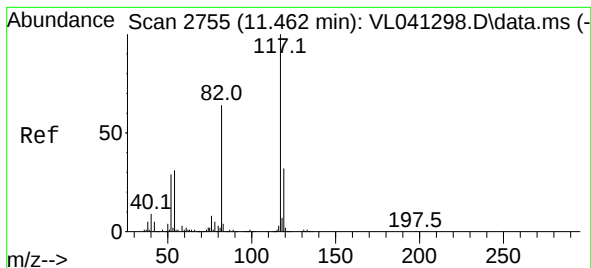
Ion Ratio Lower Upper

63 100

41 0.0 59.9 89.9#

62 18.0 53.8 80.6#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL041329.D

Acq: 5 Jun 2024 16:11

Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

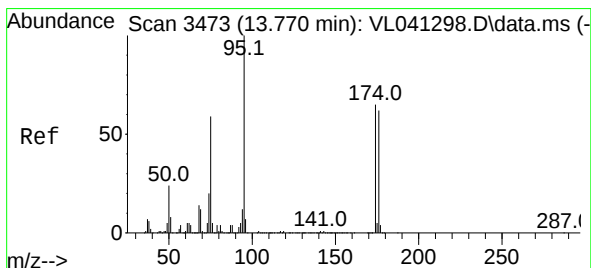
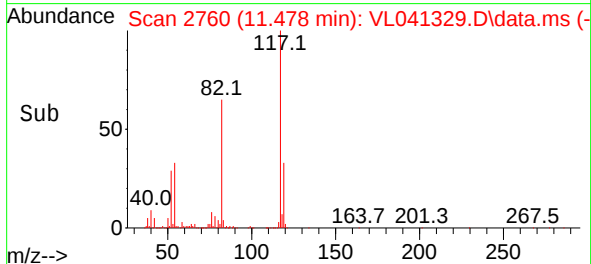
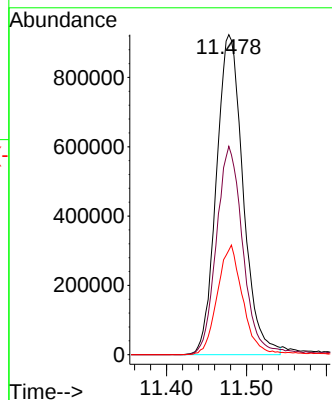
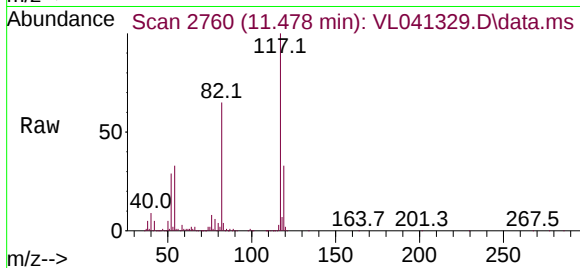
Tgt Ion:117 Resp: 2140076

Ion Ratio Lower Upper

117 100

82 65.5 52.3 78.5

119 33.4 26.2 39.2



#68

1-Bromo-4-Fluorobenzene

Concen: 9.894 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.016 min

Lab File: VL041329.D

Acq: 5 Jun 2024 16:11

Tgt Ion: 95 Resp: 1634804

Ion Ratio Lower Upper

95 100

174 67.4 52.2 78.2

175 4.6 4.1 6.1

