

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL051623\  
 Data File : VL040447.D  
 Acq On : 16 May 2023 21:12  
 Operator : SY/MD  
 Sample : 02793-01DL 80X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SG-1DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023  
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 17 05:17:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL051623AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Wed May 17 05:12:40 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.208  | 49    | 1018188  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.671  | 114   | 2645454  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.494 | 117   | 2279741  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.806 | 95    | 1791220  | 9.772    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 97.700%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 13) Ethanol                 | 3.266  | 45    | 26865m   | 6.929    | ppbv   |          |
| 15) Acetone                 | 3.494  | 43    | 108396   | 0.842    | ppbv   | 94       |
| 20) Methylene Chloride      | 3.944  | 84    | 648942   | 11.310   | ppbv   | 98       |
| 26) Hexane                  | 5.227  | 57    | 615001   | 6.116    | ppbv # | 35       |
| -----                       |        |       |          |          |        |          |

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

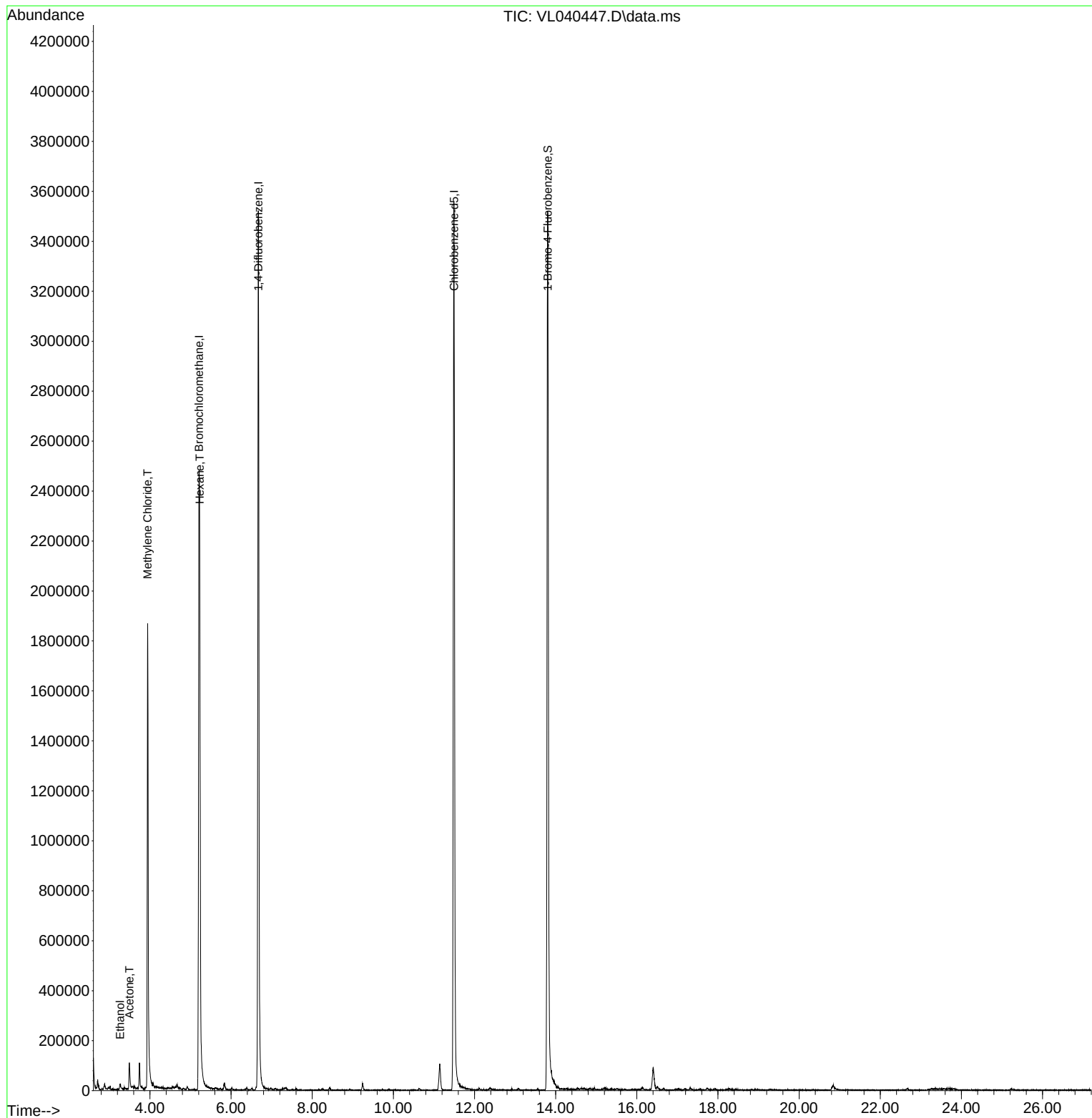
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL051623\  
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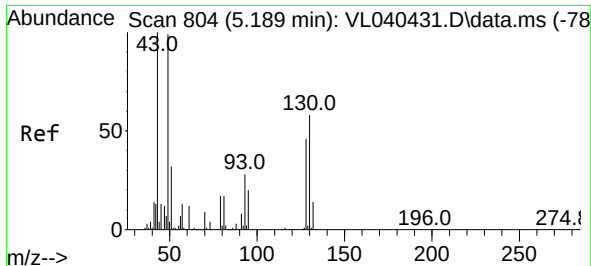
Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-1DL

Quant Time: May 17 05:17:52 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL051623AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Wed May 17 05:12:40 2023  
Response via : Initial Calibration

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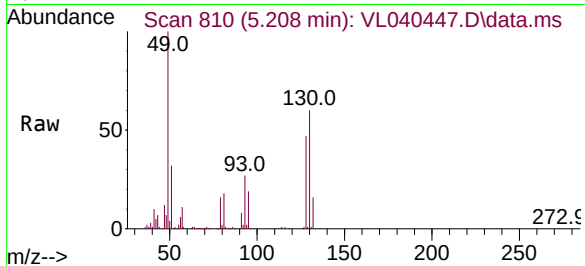
Reviewed By :Semsettin Yesilyurt 05/17/2023  
Supervised By :Mahesh Dadoda 05/17/2023





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.208 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL040447.D  
Acq: 16 May 2023 21:12

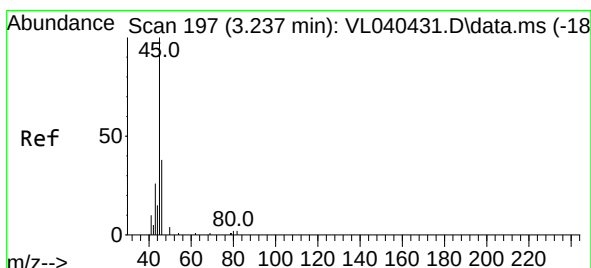
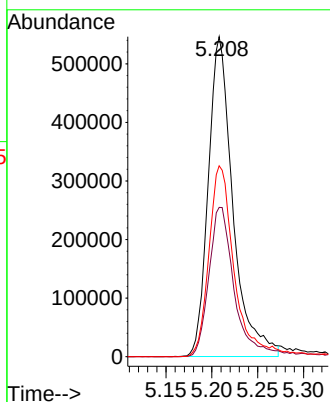
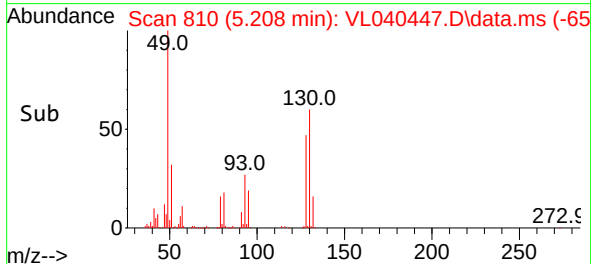
Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-1DL



Tgt Ion: 49 Resp: 101818  
Ion Ratio Lower Upper  
49 100  
128 49.6 24.3 72.8  
130 64.1 30.2 90.6

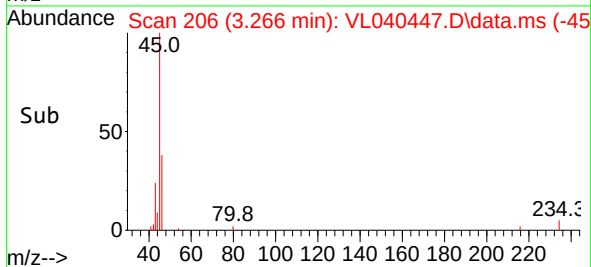
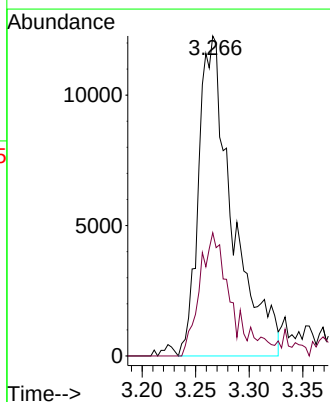
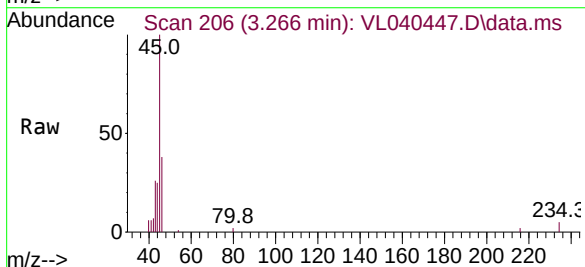
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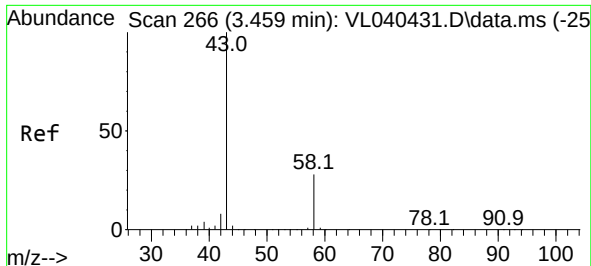
Reviewed By :Semsettin Yesilyurt 05/17/2023  
Supervised By :Mahesh Dadoda 05/17/2023



#13  
Ethanol  
Concen: 6.929 ppbv m  
RT: 3.266 min Scan# 206  
Delta R.T. 0.016 min  
Lab File: VL040447.D  
Acq: 16 May 2023 21:12

Tgt Ion: 45 Resp: 26865  
Ion Ratio Lower Upper  
45 100  
46 36.7 13.2 52.8





#15

Acetone

Concen: 0.842 ppbv

RT: 3.494 min Scan# 21

Delta R.T. 0.026 min

Lab File: VL040447.D

Acq: 16 May 2023 21:12

Instrument :

MSVOA\_L

ClientSampleId :

SG-1DL

Tgt Ion: 43 Resp: 108390

Ion Ratio Lower Upper

43 100

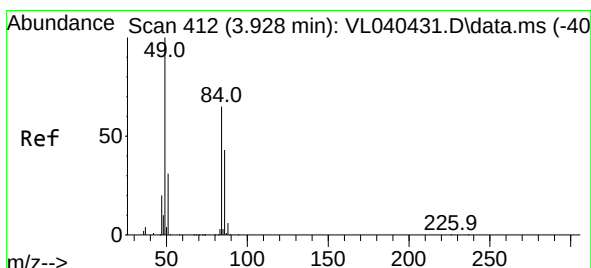
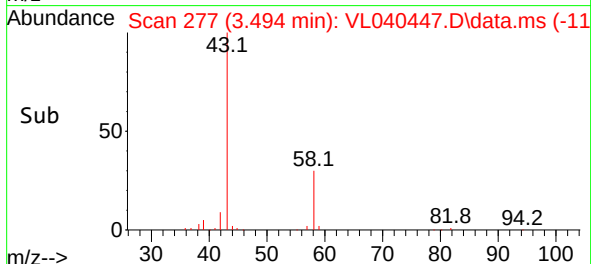
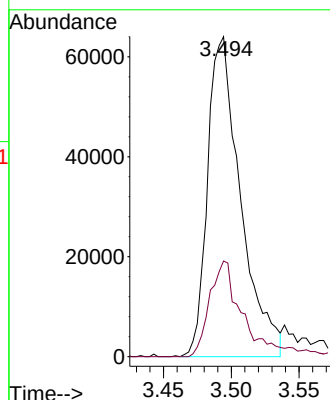
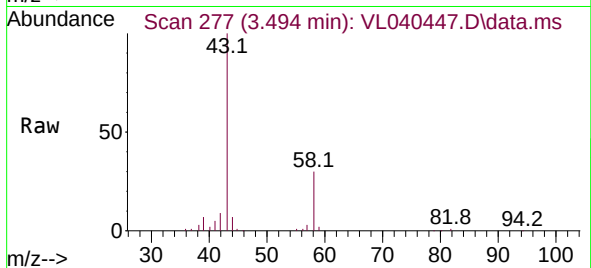
58 30.8 22.2 33.4

Manual Integrations

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Supervised By :Mahesh Dadoda 05/17/2023



#20

Methylene Chloride

Concen: 11.310 ppbv

RT: 3.944 min Scan# 417

Delta R.T. 0.007 min

Lab File: VL040447.D

Acq: 16 May 2023 21:12

Tgt Ion: 84 Resp: 648942

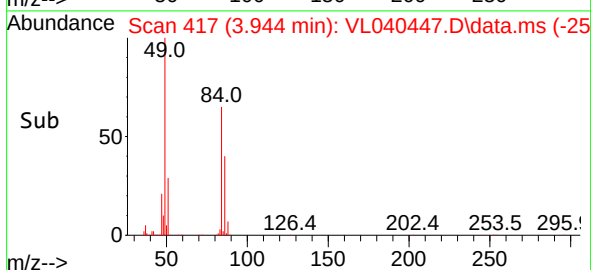
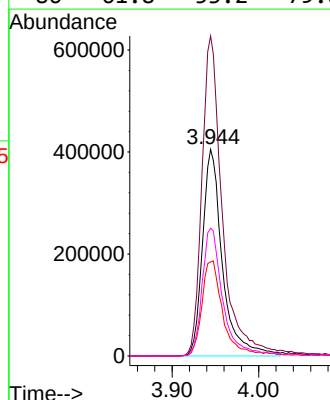
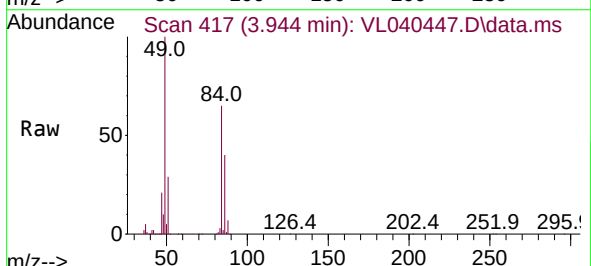
Ion Ratio Lower Upper

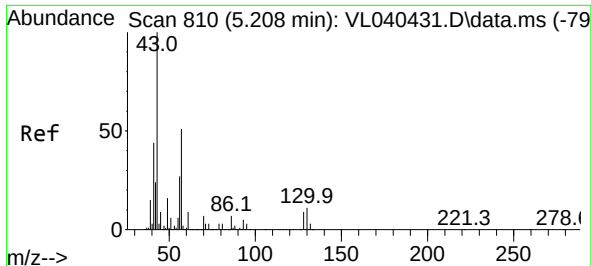
84 100

49 154.8 123.7 185.5

51 45.5 38.6 57.8

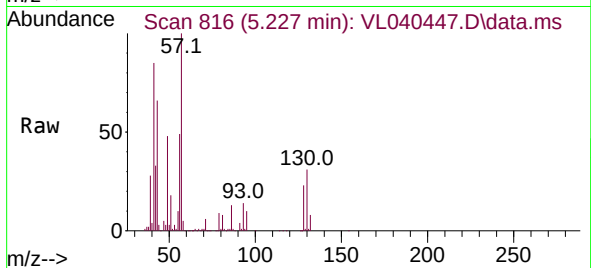
86 61.8 53.2 79.8





#26  
Hexane  
Concen: 6.116 ppbv  
RT: 5.227 min Scan# 810  
Delta R.T. 0.003 min  
Lab File: VL040447.D  
Acq: 16 May 2023 21:12

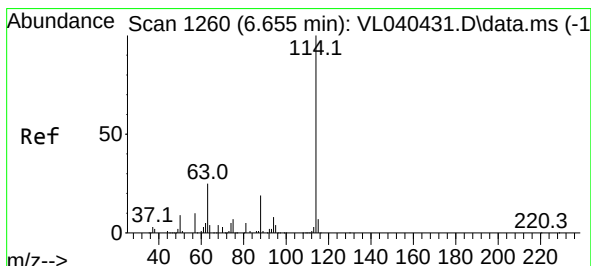
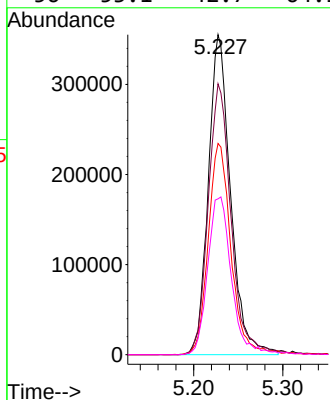
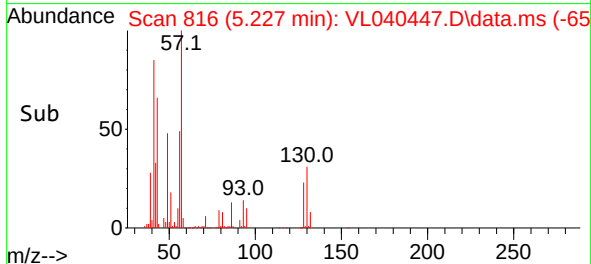
Instrument :  
MSVOA\_L  
ClientSampleId :  
SG-1DL



Tgt Ion: 57 Resp: 61500  
Ion Ratio Lower Upper  
57 100  
41 88.4 75.1 112.7  
43 68.1 194.4 291.6  
56 53.1 42.7 64.1

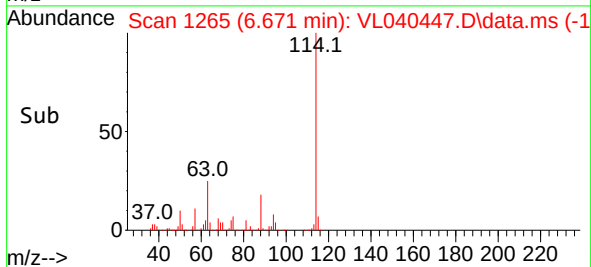
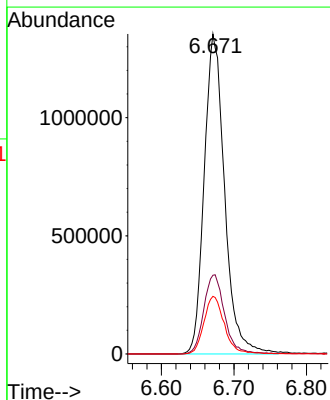
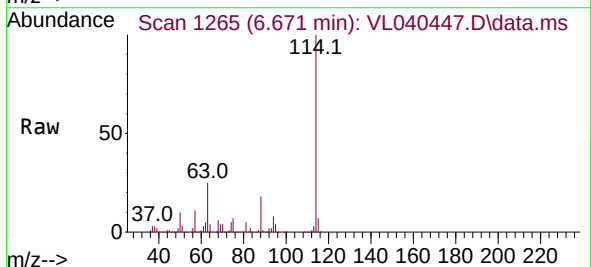
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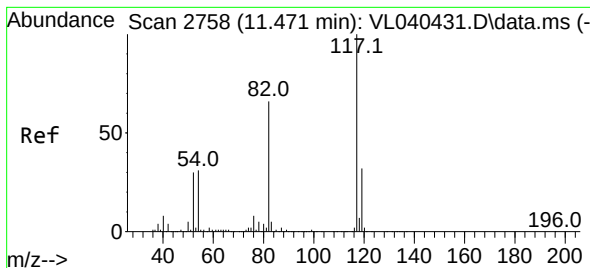
Reviewed By :Semsettin Yesilyurt 05/17/2023  
Supervised By :Mahesh Dadoda 05/17/2023



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.671 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VL040447.D  
Acq: 16 May 2023 21:12

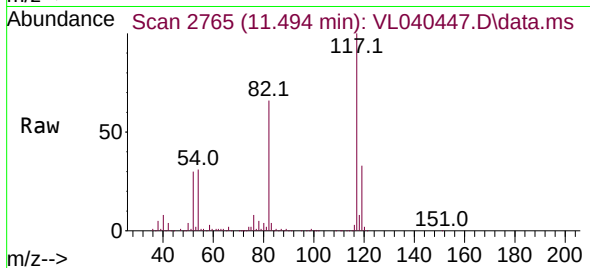
Tgt Ion:114 Resp: 2645454  
Ion Ratio Lower Upper  
114 100  
63 25.4 21.0 31.6  
88 18.1 14.6 22.0





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.494 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL040447.D  
Acq: 16 May 2023 21:12

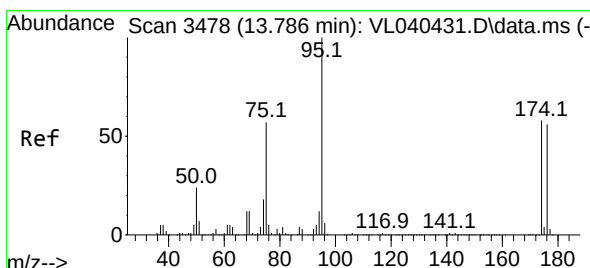
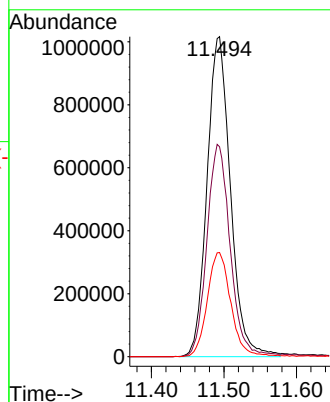
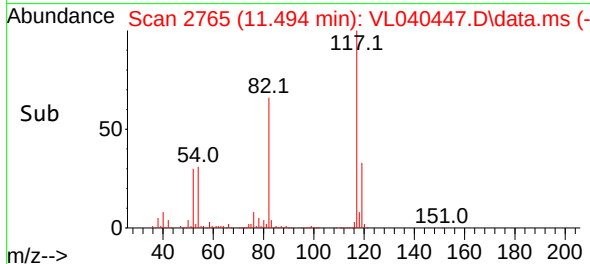
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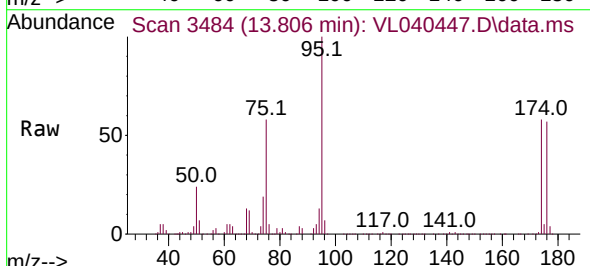
Tgt Ion: 117 Resp: 227974  
Ion Ratio Lower Upper  
117 100  
82 67.3 52.5 78.7  
119 32.9 24.0 36.0

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#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.772 ppbv  
RT: 13.806 min Scan# 3484  
Delta R.T. 0.007 min  
Lab File: VL040447.D  
Acq: 16 May 2023 21:12



Tgt Ion: 95 Resp: 1791220  
Ion Ratio Lower Upper  
95 100  
174 60.7 47.0 70.6  
175 4.4 3.4 5.0

