

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050125\  
 Data File : VL042464.D  
 Acq On : 01 May 2025 12:15  
 Operator : SY/MD  
 Sample : VSTDICC0.03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.03

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025  
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 02 02:49:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL050125AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Fri May 02 02:23:22 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 2.787  | 49    | 64365    | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.959  | 114   | 174433   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 8.885  | 117   | 145955   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.377 | 95    | 137362   | 10.161   | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 101.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl Chloride             | 1.580  | 62    | 162      | 0.031    | ppbv # | 44       |
| 32) 1,1,1-Trichloroethane     | 3.373  | 97    | 563m     | 0.029    | ppbv   |          |
| 35) Carbon Tetrachloride      | 3.764  | 117   | 467m     | 0.025    | ppbv   |          |
| 38) Trichloroethene           | 4.544  | 130   | 45       | 0.006    | ppbv # | 31       |
| 52) Tetrachloroethene         | 8.218  | 164   | 19m      | 0.003    | ppbv   |          |
| 63) 1,1,2,2-Tetrachloroethane | 9.969  | 83    | 331      | 0.021    | ppbv # | 96       |
| -----                         |        |       |          |          |        |          |

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

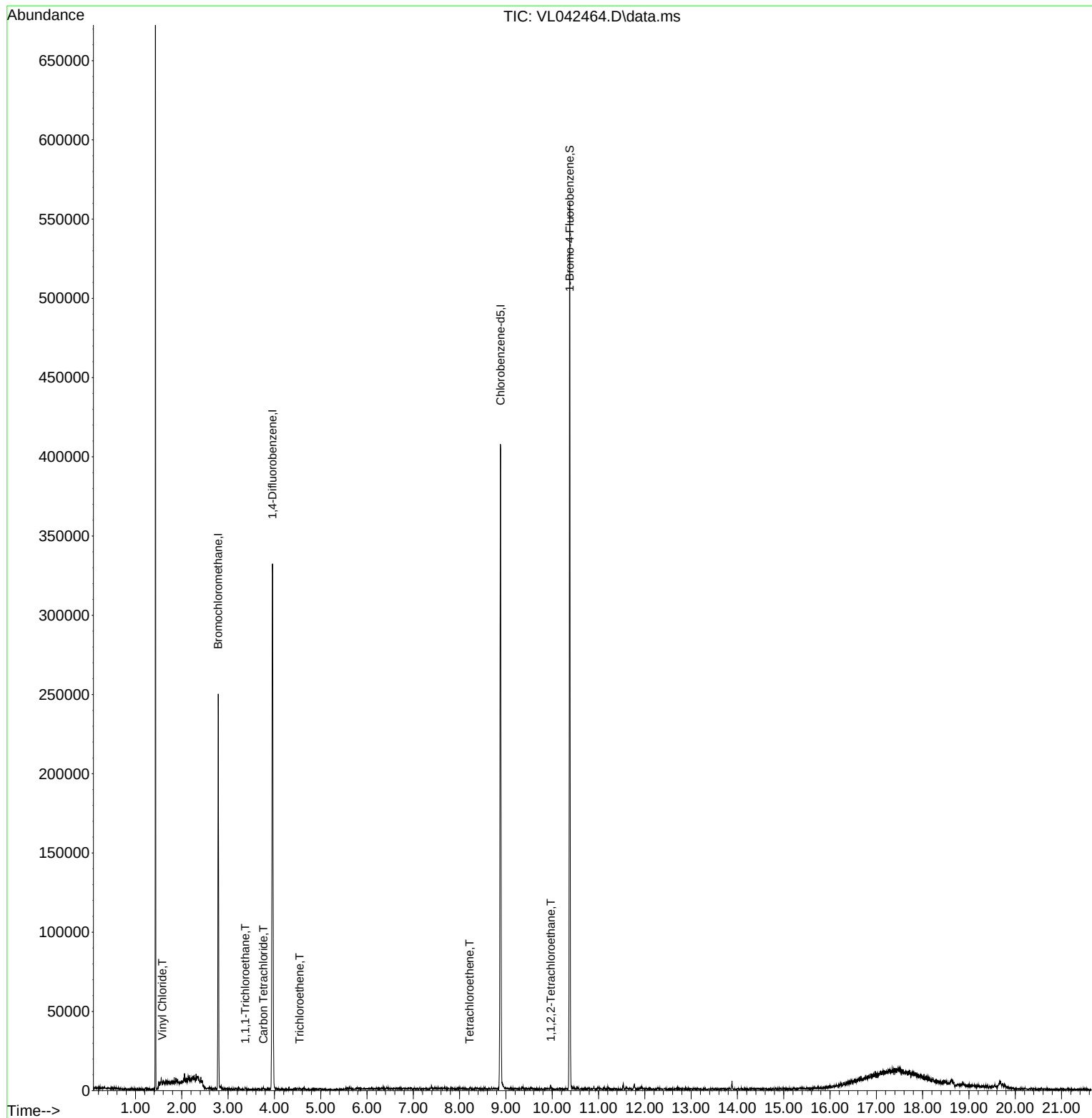
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050125\  
Data File : VL042464.D  
Acq On : 01 May 2025 12:15  
Operator : SY/MD  
Sample : VSTDICC0.03  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

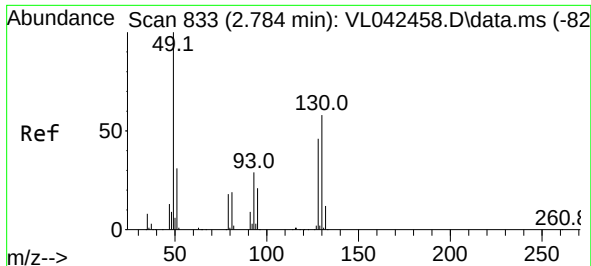
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

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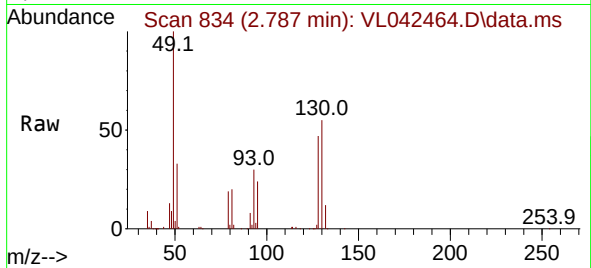
Quant Time: May 02 02:49:27 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL050125AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Fri May 02 02:23:22 2025  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 833  
Delta R.T. 0.003 min  
Lab File: VL042464.D  
Acq: 01 May 2025 12:15

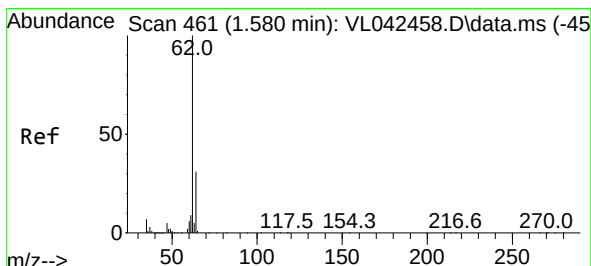
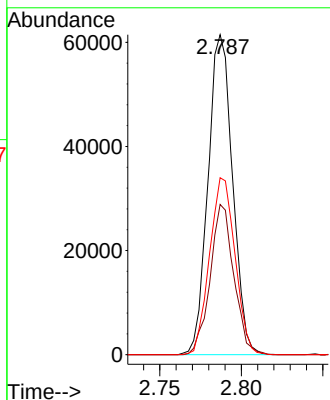
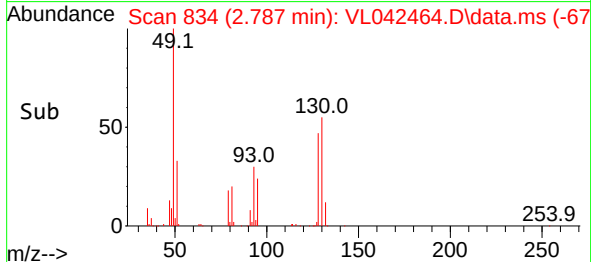
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03



Tgt Ion: 49 Resp: 6436  
Ion Ratio Lower Upper  
49 100  
128 45.3 23.3 69.9  
130 57.4 29.5 88.6

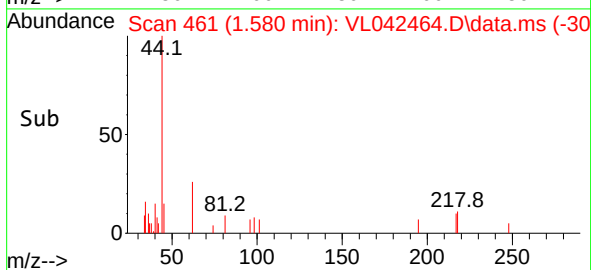
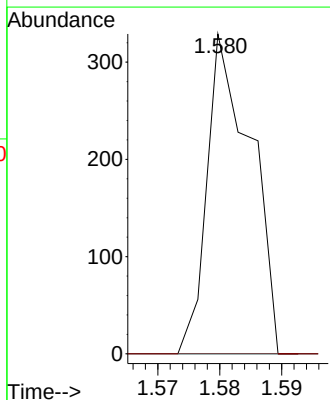
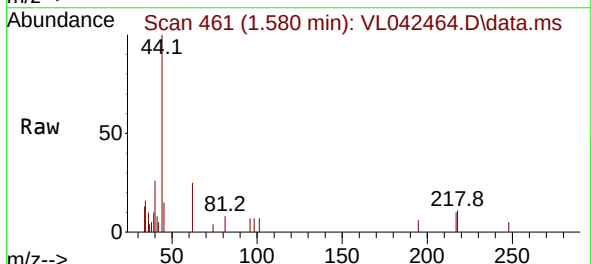
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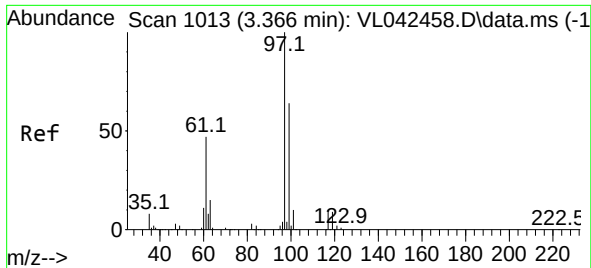
Reviewed By :Semsettin Yesilyurt 05/02/2025  
Supervised By :Mahesh Dadoda 05/05/2025



#5  
Vinyl Chloride  
Concen: 0.031 ppbv  
RT: 1.580 min Scan# 461  
Delta R.T. 0.000 min  
Lab File: VL042464.D  
Acq: 01 May 2025 12:15

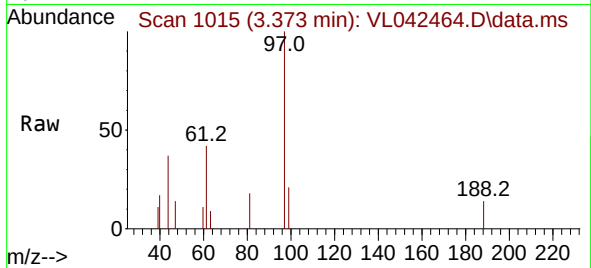
Tgt Ion: 62 Resp: 162  
Ion Ratio Lower Upper  
62 100  
64 0.0 24.9 37.3#





#32  
1,1,1-Trichloroethane  
Concen: 0.029 ppbv m  
RT: 3.373 min Scan# 1013  
Delta R.T. 0.007 min  
Lab File: VL042464.D  
Acq: 01 May 2025 12:15

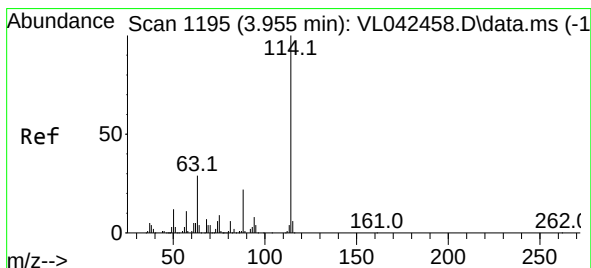
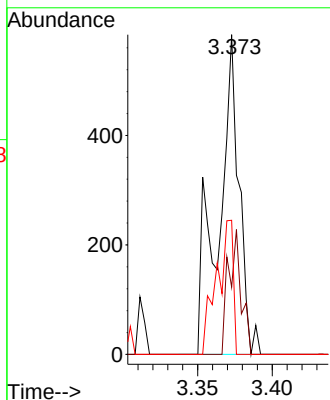
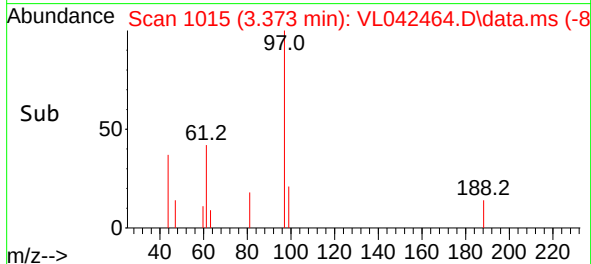
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03



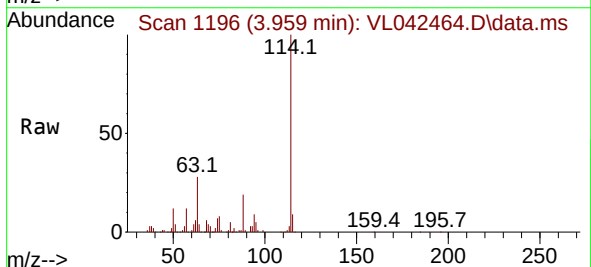
Tgt Ion: 97 Resp: 561  
Ion Ratio Lower Upper  
97 100  
99 24.0 50.7 76.1  
61 33.2 40.9 61.3

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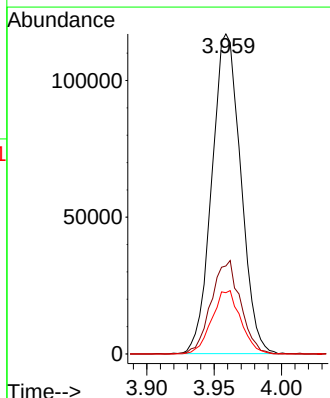
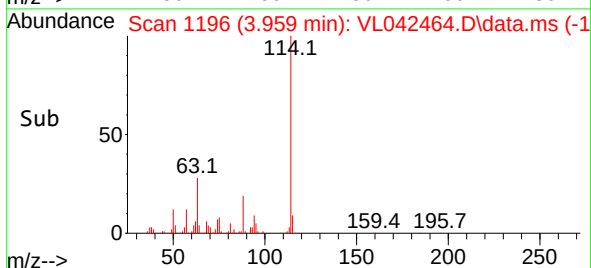
Reviewed By :Semsettin Yesilyurt 05/02/2025  
Supervised By :Mahesh Dadoda 05/05/2025

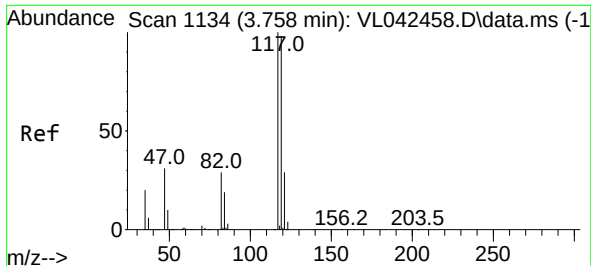


#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.959 min Scan# 1196  
Delta R.T. 0.003 min  
Lab File: VL042464.D  
Acq: 01 May 2025 12:15



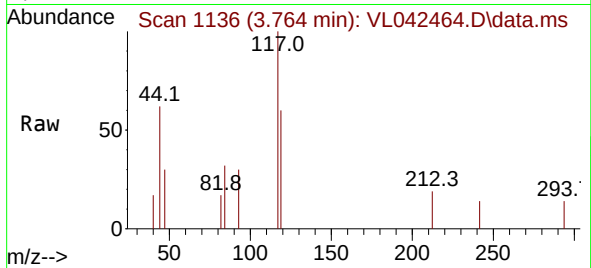
Tgt Ion:114 Resp: 174433  
Ion Ratio Lower Upper  
114 100  
63 29.7 23.1 34.7  
88 19.9 16.1 24.1





#35  
Carbon Tetrachloride  
Concen: 0.025 ppbv m  
RT: 3.764 min Scan# 1136  
Delta R.T. 0.007 min  
Lab File: VL042464.D  
Acq: 01 May 2025 12:15

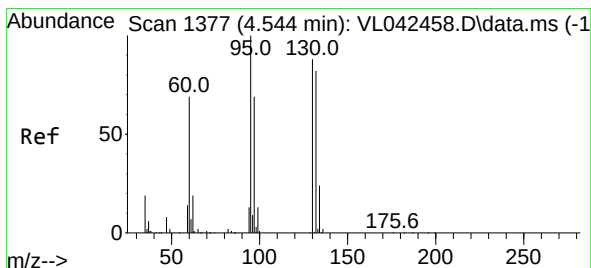
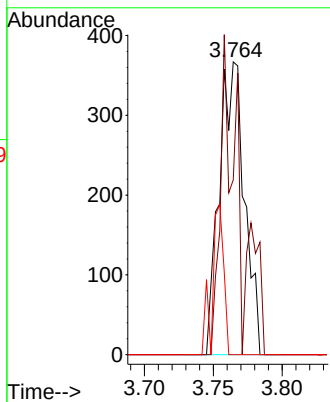
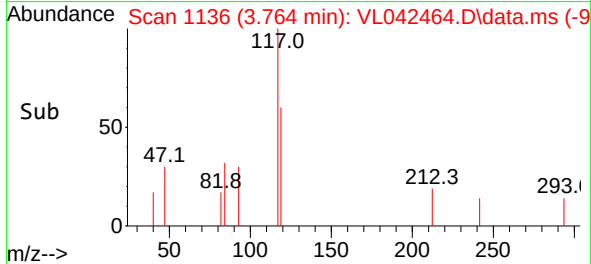
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03



Tgt Ion:117 Resp: 46  
Ion Ratio Lower Upper  
117 100  
119 59.7 78.1 117.1  
121 0.0 23.0 34.6

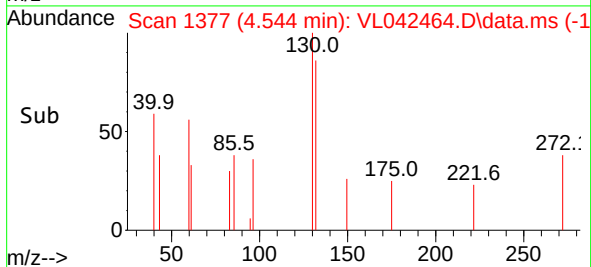
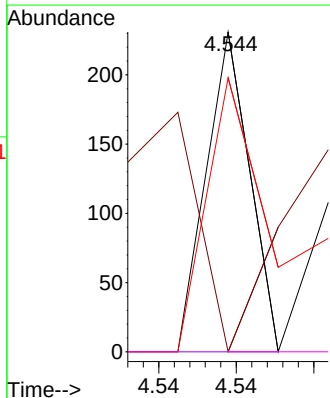
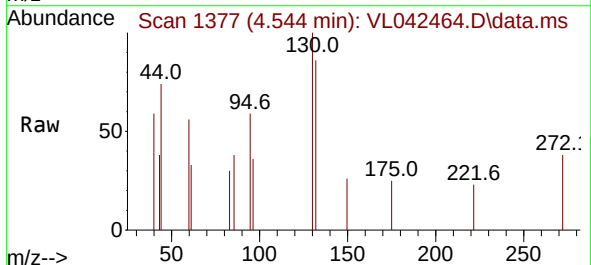
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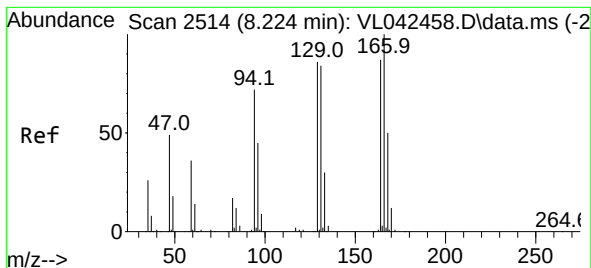
Reviewed By :Semsettin Yesilyurt 05/02/2025  
Supervised By :Mahesh Dadoda 05/05/2025



#38  
Trichloroethene  
Concen: 0.006 ppbv  
RT: 4.544 min Scan# 1377  
Delta R.T. 0.000 min  
Lab File: VL042464.D  
Acq: 01 May 2025 12:15

Tgt Ion:130 Resp: 45  
Ion Ratio Lower Upper  
130 100  
95 0.0 91.0 136.4#  
132 85.7 74.2 111.4  
97 0.0 62.3 93.5#





#52

Tetrachloroethene

Concen: 0.003 ppbv m

RT: 8.218 min Scan# 2514

Delta R.T. -0.006 min

Lab File: VL042464.D

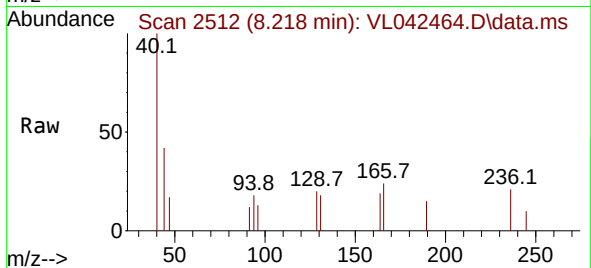
Acq: 01 May 2025 12:15

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.03



Tgt Ion:164 Resp: 19

Ion Ratio Lower Upper

164 100

166 126.0 91.6 137.4

129 108.0 79.0 118.4

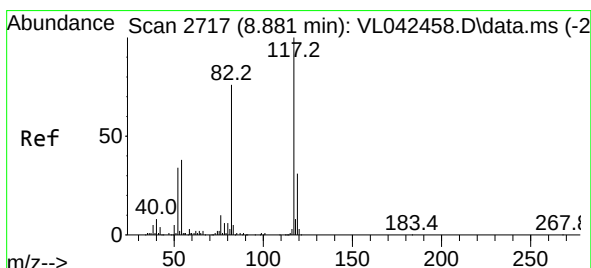
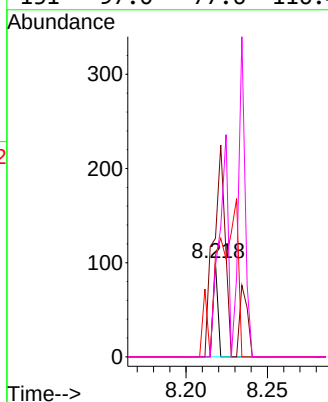
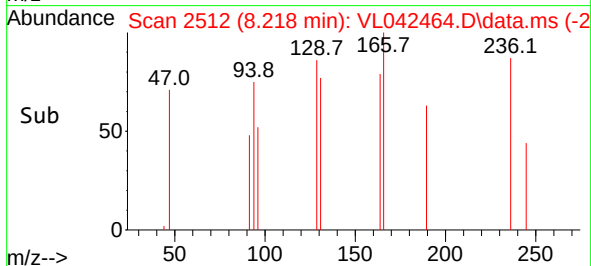
131 97.0 77.6 116.4

Manual Integrations

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Supervised By :Mahesh Dadoda 05/05/2025



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. 0.003 min

Lab File: VL042464.D

Acq: 01 May 2025 12:15

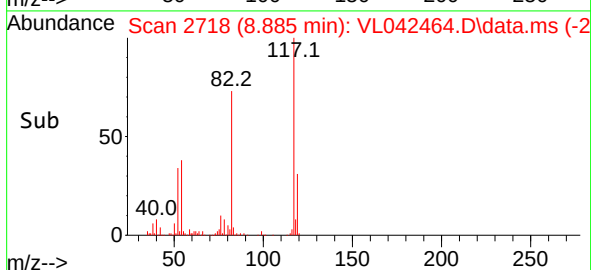
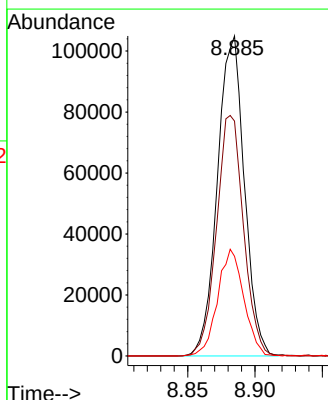
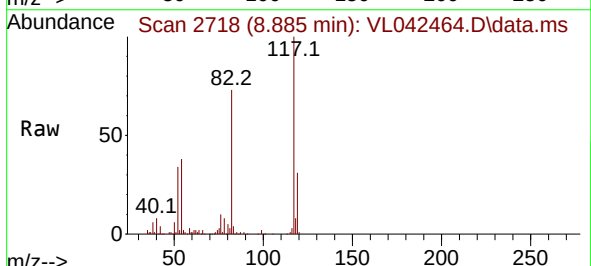
Tgt Ion:117 Resp: 145955

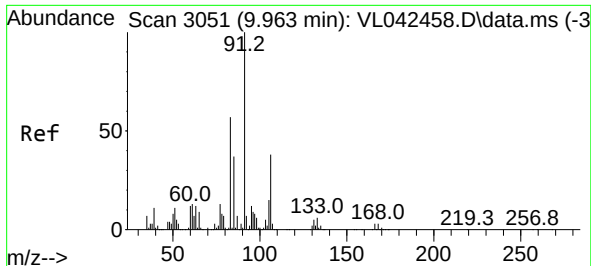
Ion Ratio Lower Upper

117 100

82 75.4 63.5 95.3

119 32.6 25.8 38.8





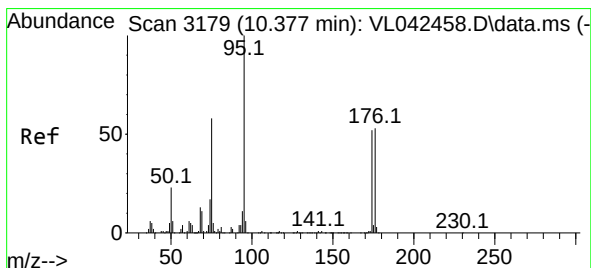
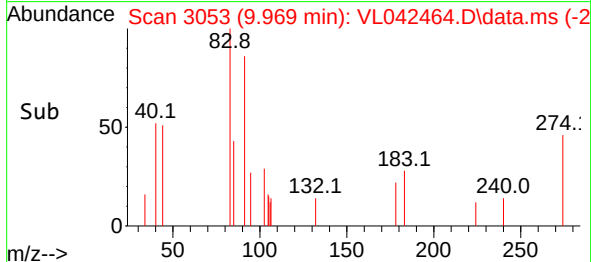
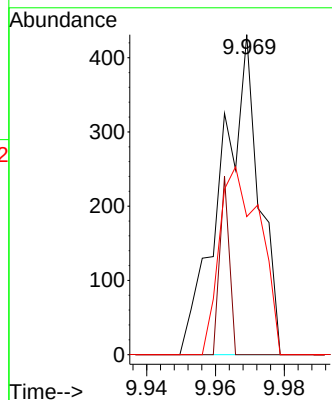
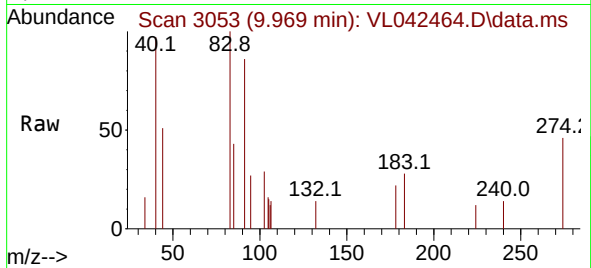
#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.021 ppbv  
RT: 9.969 min Scan# 3053  
Delta R.T. 0.007 min  
Lab File: VL042464.D  
Acq: 01 May 2025 12:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

Tgt Ion: 83 Resp: 33  
Ion Ratio Lower Upper  
83 100  
131 14.2 4.7 14.1  
85 62.5 32.5 97.4

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#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.161 ppbv  
RT: 10.377 min Scan# 3179  
Delta R.T. 0.000 min  
Lab File: VL042464.D  
Acq: 01 May 2025 12:15

Tgt Ion: 95 Resp: 137362  
Ion Ratio Lower Upper  
95 100  
174 51.7 42.7 64.1  
175 4.3 3.6 5.4

