

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL062325\  
 Data File : VL042668.D  
 Acq On : 23 Jun 2025 13:08  
 Operator : SY/MD  
 Sample : Q2390-01DL DUP 200X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL DUP

Manual Integrations  
 APPROVED

Reviewed By : Mahesh Dadoda 06/24/2025  
 Supervised By : Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 06:43:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Fri May 30 02:01:56 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.787  | 49    | 105933   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.959  | 114   | 267802   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.885  | 117   | 238220   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 179633   | 10.059   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 100.600% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 13) Ethanol                 | 1.722  | 45    | 596m     | 0.693    | ppbv   |          |
| 15) Acetone                 | 1.835  | 43    | 8518     | 0.668    | ppbv   | 98       |
| 26) Hexane                  | 2.826  | 57    | 2388     | 0.151    | ppbv # | 34       |
| 38) Trichloroethene         | 4.548  | 130   | 2217m    | 0.198    | ppbv   |          |
| 52) Tetrachloroethene       | 8.231  | 164   | 108653   | 11.026   | ppbv   | 98       |
| -----                       |        |       |          |          |        |          |

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

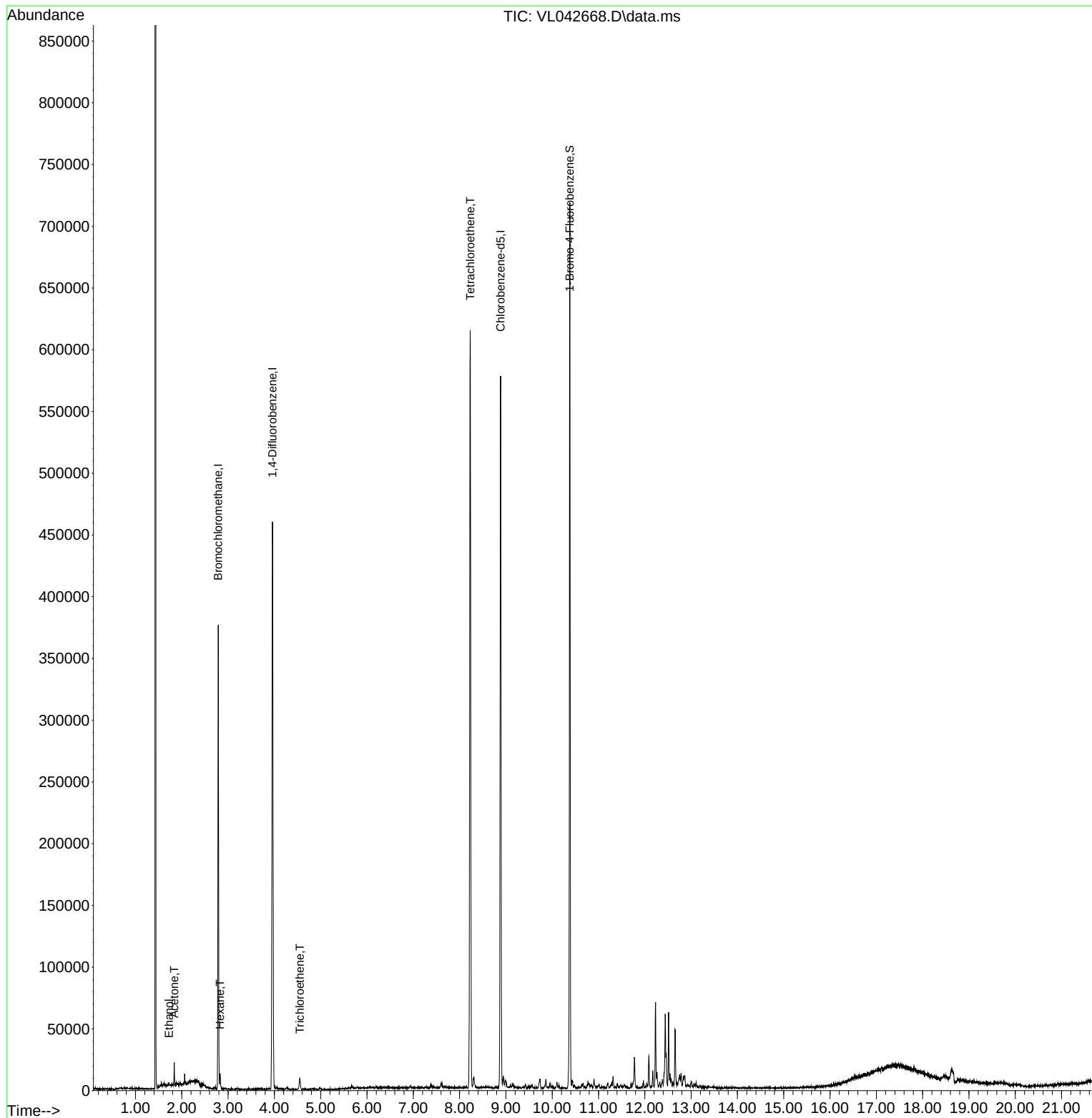
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL062325\  
Data File : VL042668.D  
Acq On : 23 Jun 2025 13:08  
Operator : SY/MD  
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ALS Vial : 1 Sample Multiplier: 1

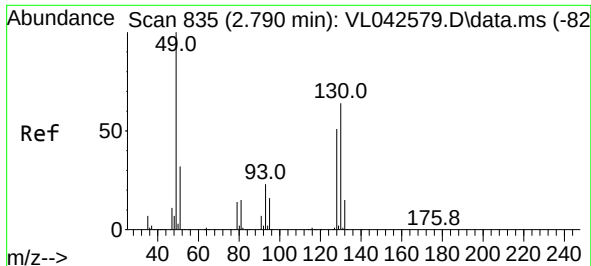
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DLDUP

Quant Time: Jun 24 06:43:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Fri May 30 02:01:56 2025  
Response via : Initial Calibration

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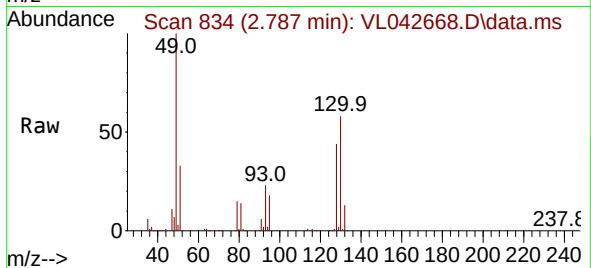
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL042668.D  
Acq: 23 Jun 2025 13:08

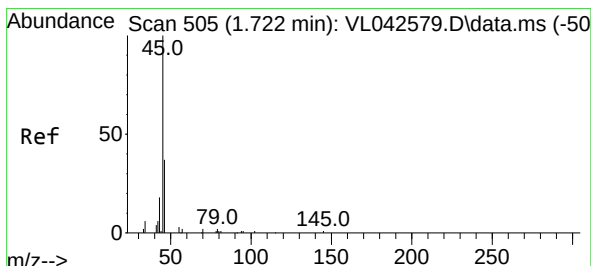
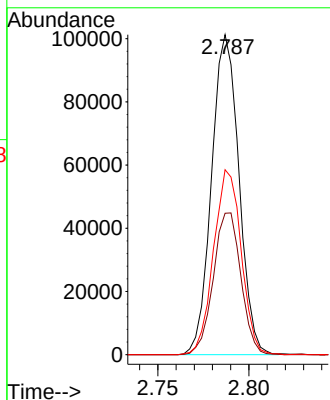
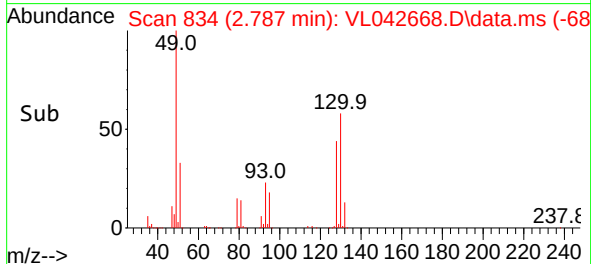
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DLDUP



Tgt Ion: 49 Resp: 10593  
Ion Ratio Lower Upper  
49 100  
128 44.6 24.2 72.6  
130 58.3 30.4 91.2

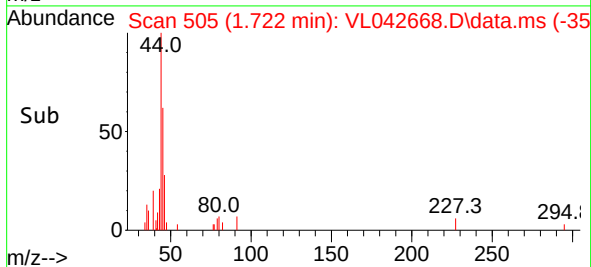
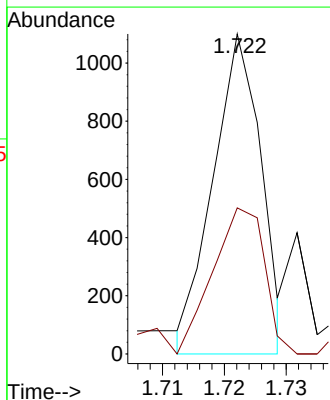
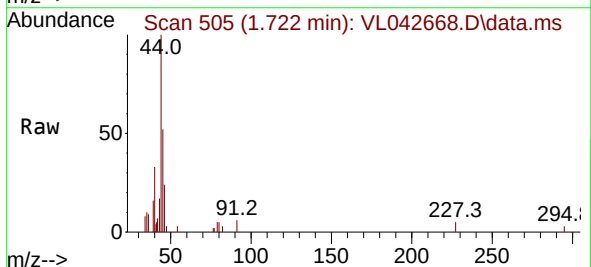
Manual Integrations  
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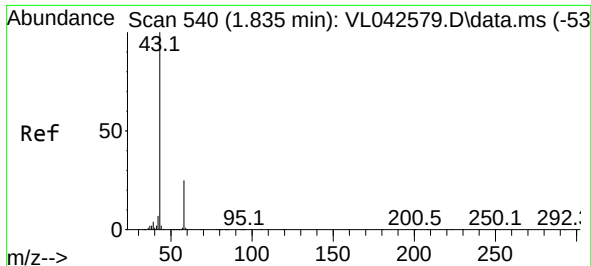
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#13  
Ethanol  
Concen: 0.693 ppbv m  
RT: 1.722 min Scan# 505  
Delta R.T. -0.000 min  
Lab File: VL042668.D  
Acq: 23 Jun 2025 13:08

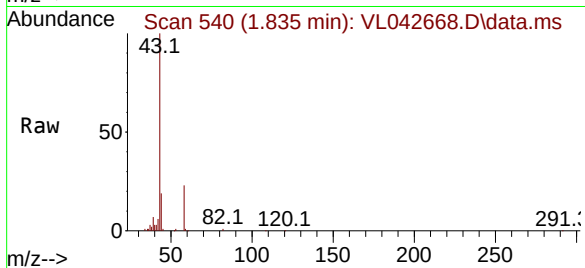
Tgt Ion: 45 Resp: 596  
Ion Ratio Lower Upper  
45 100  
46 5185.2 14.5 58.1#





#15  
Acetone  
Concen: 0.668 ppbv  
RT: 1.835 min Scan# 540  
Delta R.T. -0.000 min  
Lab File: VL042668.D  
Acq: 23 Jun 2025 13:08

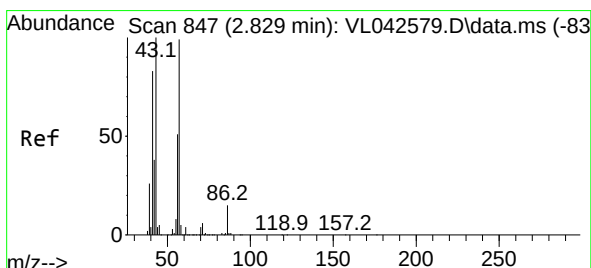
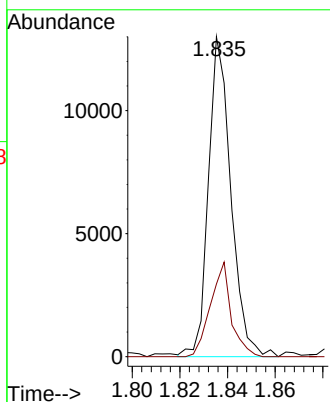
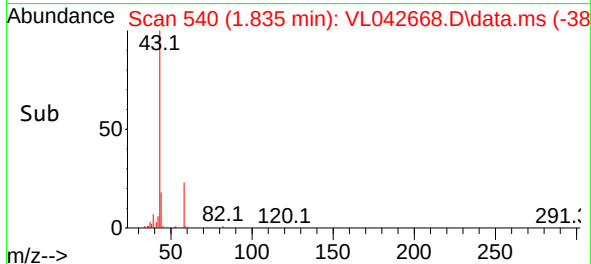
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DLDUP



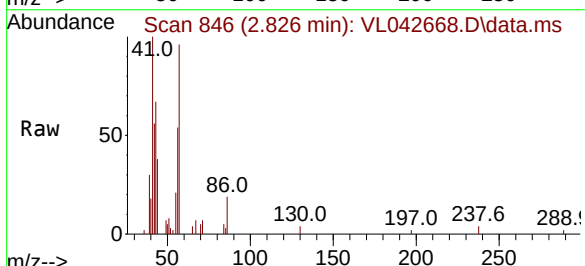
Tgt Ion: 43 Resp: 8518  
Ion Ratio Lower Upper  
43 100  
58 27.3 21.0 31.4

Manual Integrations  
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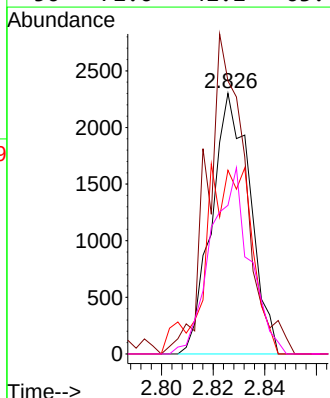
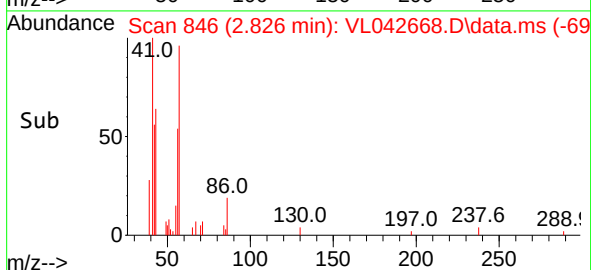
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025

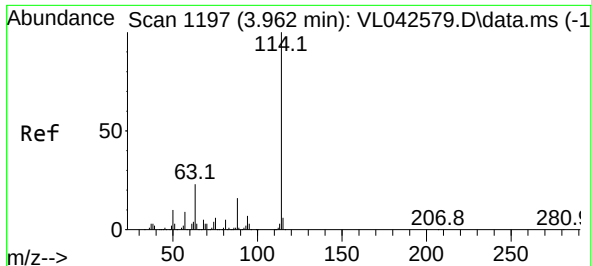


#26  
Hexane  
Concen: 0.151 ppbv  
RT: 2.826 min Scan# 846  
Delta R.T. -0.003 min  
Lab File: VL042668.D  
Acq: 23 Jun 2025 13:08



Tgt Ion: 57 Resp: 2388  
Ion Ratio Lower Upper  
57 100  
41 125.5 70.6 106.0#  
43 86.6 181.1 271.7#  
56 72.6 42.2 63.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.003 min

Lab File: VL042668.D

Acq: 23 Jun 2025 13:08

Instrument :

MSVOA\_L

ClientSampleId :

SV1DLDUP

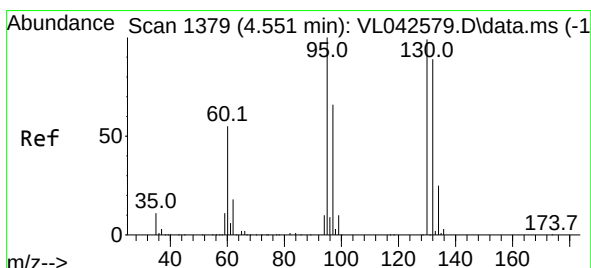
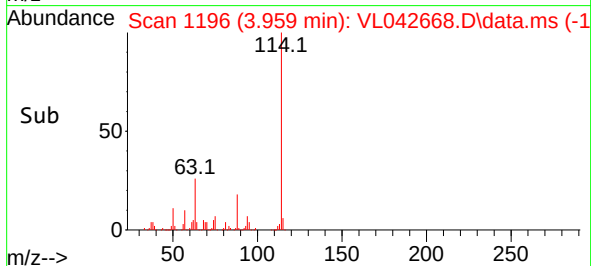
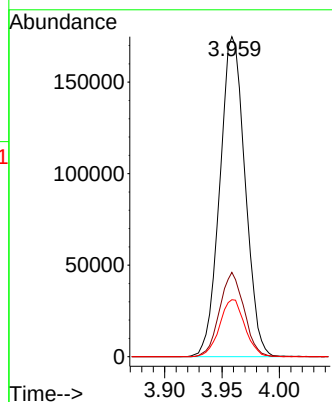
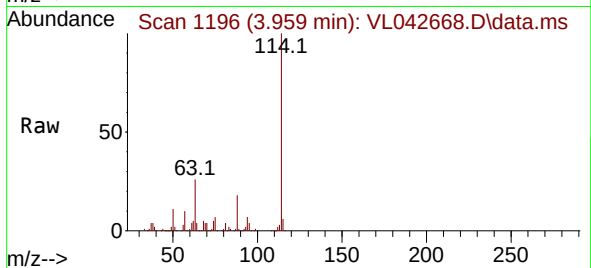
Tgt Ion:114 Resp: 26780

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 25.5  | 19.0  | 28.6  |
| 88  | 17.8  | 13.6  | 20.4  |

Manual Integrations

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Supervised By :Semsettin Yesilyurt 06/24/2025



#38

Trichloroethene

Concen: 0.198 ppbv m

RT: 4.548 min Scan# 1378

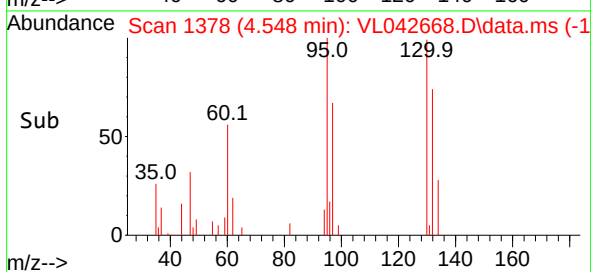
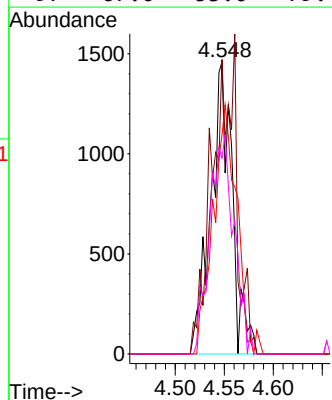
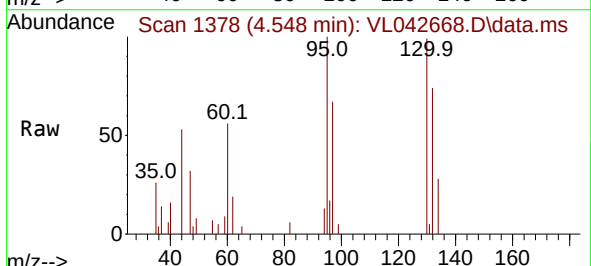
Delta R.T. -0.003 min

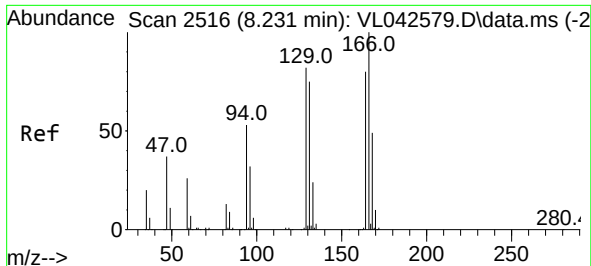
Lab File: VL042668.D

Acq: 23 Jun 2025 13:08

Tgt Ion:130 Resp: 2217

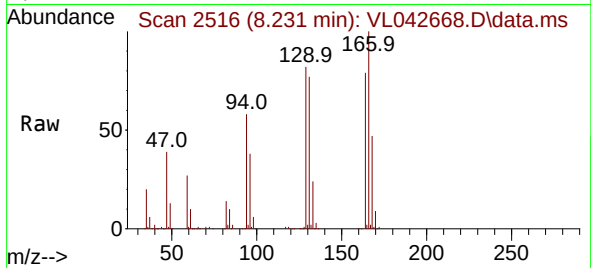
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 100.6 | 80.6  | 121.0 |
| 132 | 74.8  | 71.8  | 107.6 |
| 97  | 67.0  | 53.0  | 79.4  |





#52  
Tetrachloroethene  
Concen: 11.026 ppbv  
RT: 8.231 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL042668.D  
Acq: 23 Jun 2025 13:08

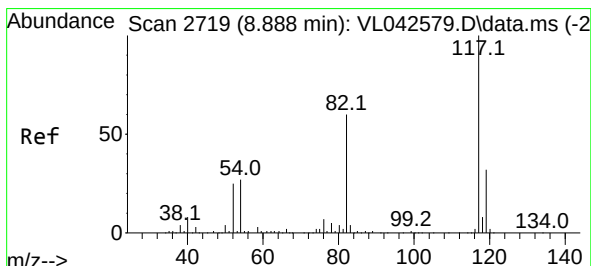
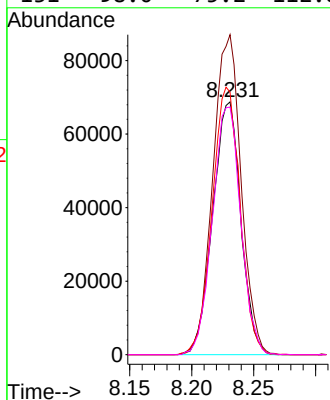
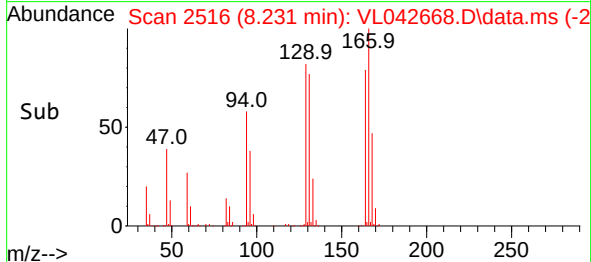
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1DLDUP



Tgt Ion:164 Resp: 10865  
Ion Ratio Lower Upper  
164 100  
166 126.5 100.0 150.0  
129 103.9 82.2 123.4  
131 98.0 75.2 112.8

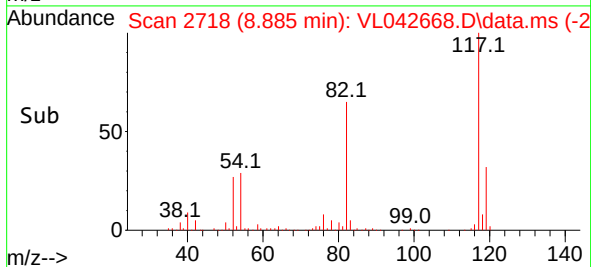
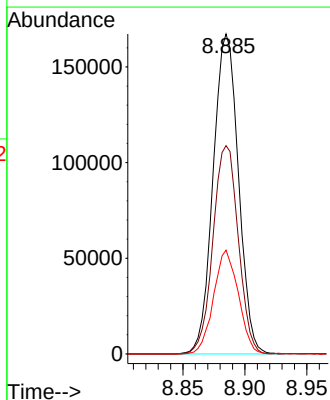
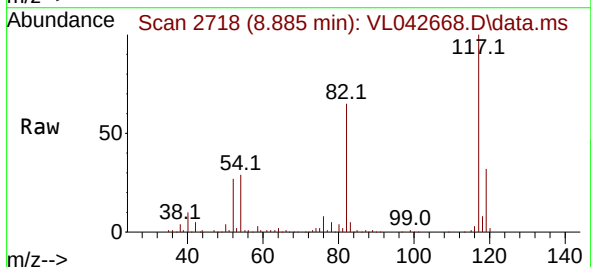
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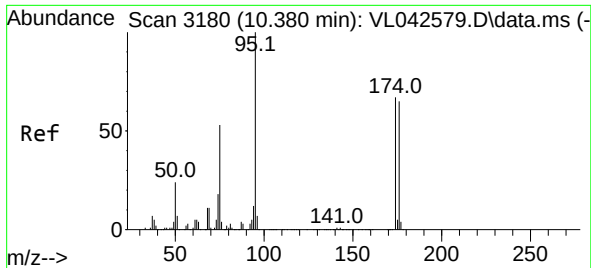
Reviewed By :Mahesh Dadoda 06/24/2025  
Supervised By :Semsettin Yesilyurt 06/24/2025



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.885 min Scan# 2718  
Delta R.T. -0.003 min  
Lab File: VL042668.D  
Acq: 23 Jun 2025 13:08

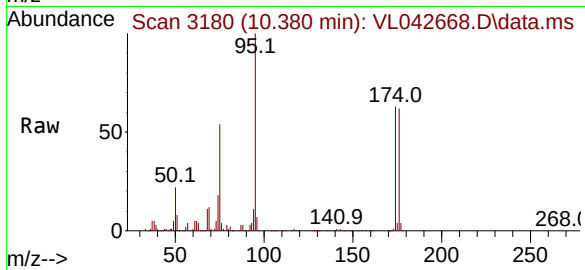
Tgt Ion:117 Resp: 238220  
Ion Ratio Lower Upper  
117 100  
82 65.1 51.2 76.8  
119 31.9 26.3 39.5





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.059 ppbv  
 RT: 10.380 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VL042668.D  
 Acq: 23 Jun 2025 13:08

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1DL DUP



Tgt Ion: 95 Resp: 17963  
 Ion Ratio Lower Upper  
 95 100  
 174 63.5 53.1 79.7  
 175 4.4 4.2 6.2

Manual Integrations  
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