

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092225\  
 Data File : VL042971.D  
 Acq On : 22 Sep 2025 23:23  
 Operator : SY/MD  
 Sample : Q3130-02DL 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 131-1A-2DL

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:58:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL092225AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Tue Sep 23 02:39:16 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Bromochloromethane       | 2.791  | 49    | 150018   | 10.000   | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.962  | 114   | 446558   | 10.000   | ppbv  | 0.00     |
| 55) Chlorobenzene-d5        | 8.885  | 117   | 395207   | 10.000   | ppbv  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 298058   | 10.103   | ppbv  | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =     | 101.000% |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 13) Ethanol                 | 1.722  | 45    | 41250    | 38.867   | ppbv  | 98       |
| 15) Acetone                 | 1.839  | 43    | 13462    | 0.689    | ppbv  | 99       |
| 26) Hexane                  | 2.826  | 57    | 5660m    | 0.251    | ppbv  |          |
| -----                       |        |       |          |          |       |          |

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

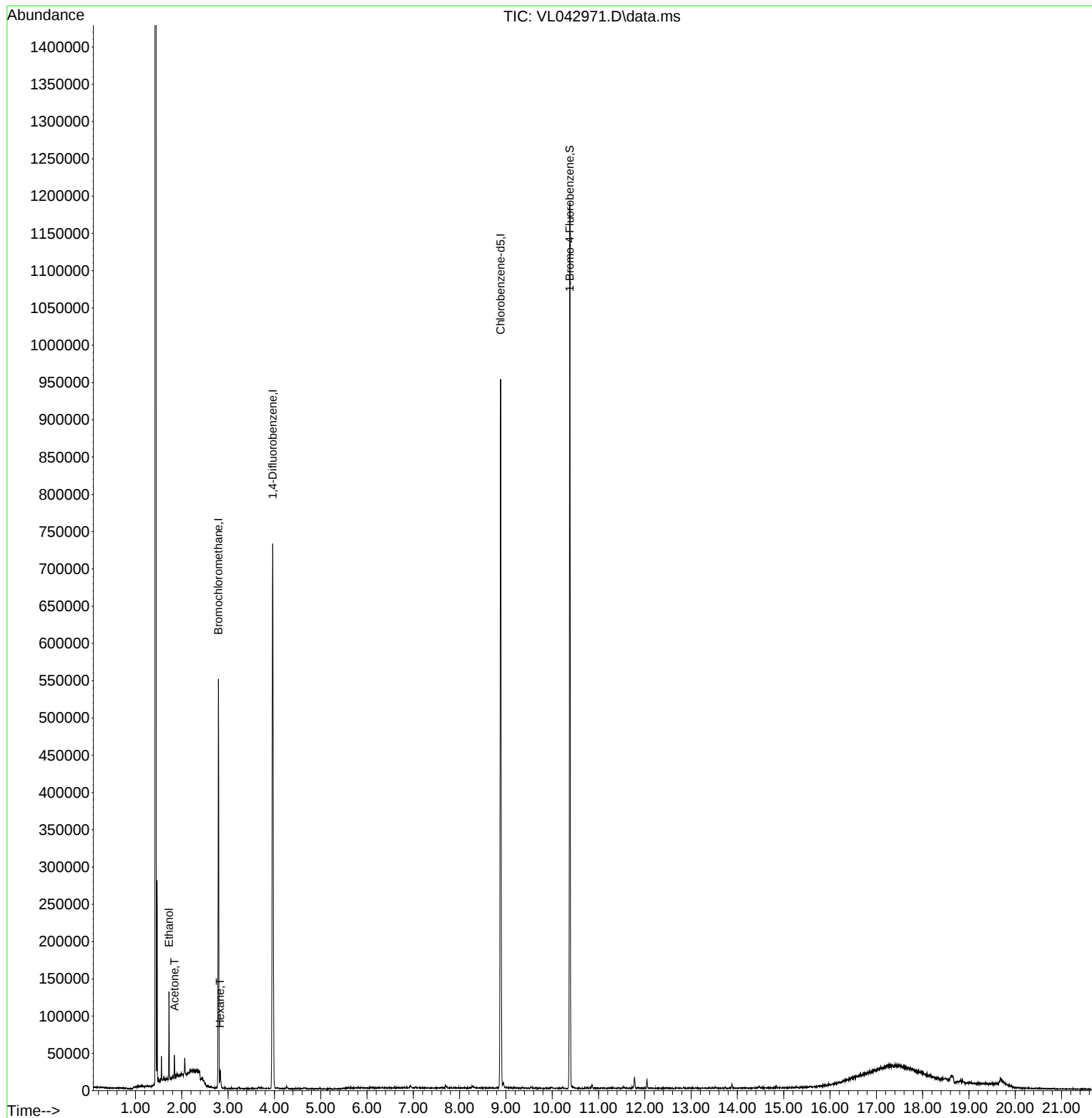
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092225\  
Data File : VL042971.D  
Acq On : 22 Sep 2025 23:23  
Operator : SY/MD  
Sample : Q3130-02DL 10X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

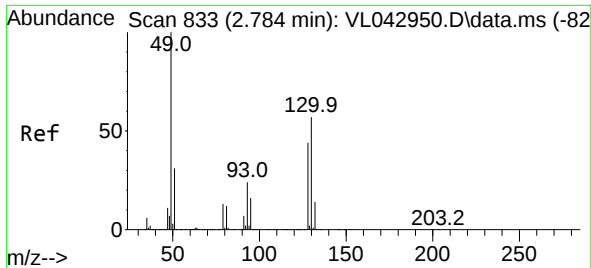
Instrument :  
MSVOA\_L  
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Quant Time: Sep 23 02:58:08 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL092225AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Tue Sep 23 02:39:16 2025  
Response via : Initial Calibration





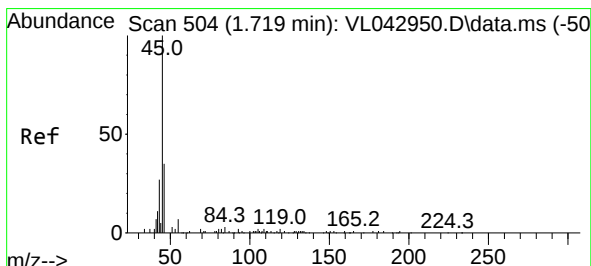
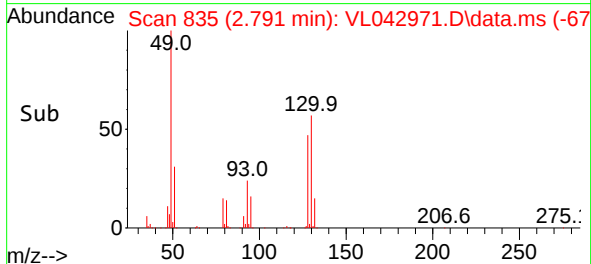
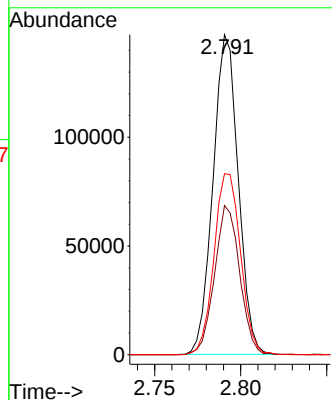
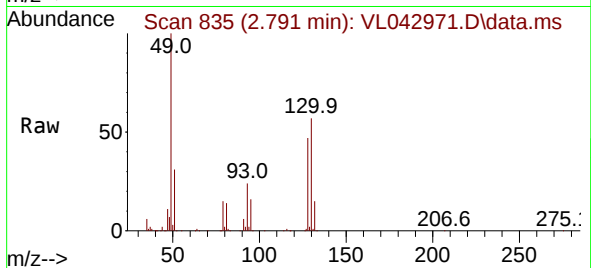
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.791 min Scan# 81  
Delta R.T. 0.007 min  
Lab File: VL042971.D  
Acq: 22 Sep 2025 23:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
131-1A-2DL

Tgt Ion: 49 Resp: 150018  
Ion Ratio Lower Upper  
49 100  
128 46.6 22.9 68.8  
130 59.7 29.1 87.3

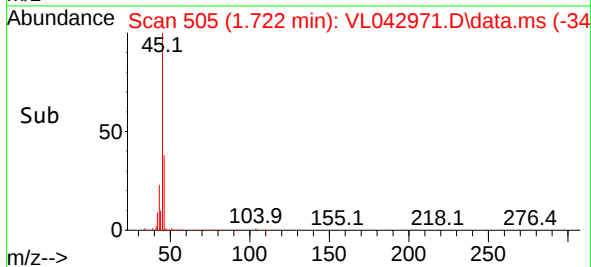
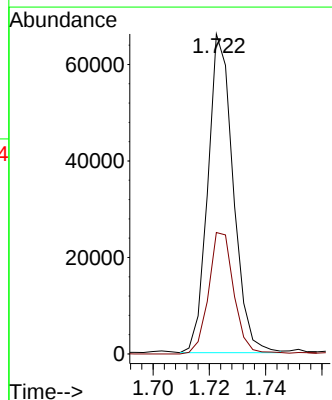
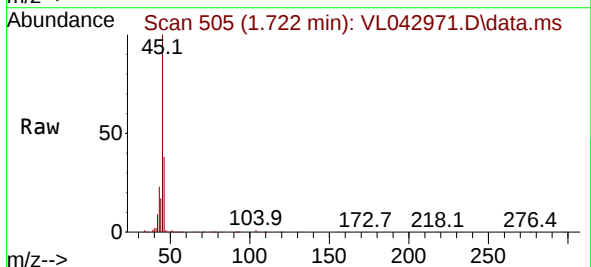
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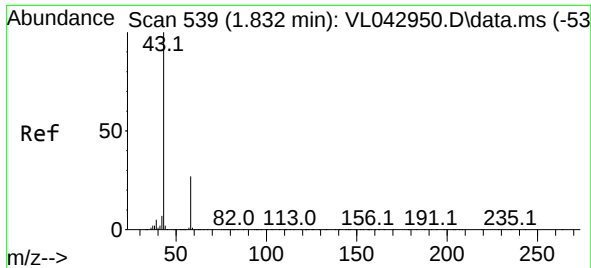
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#13  
Ethanol  
Concen: 38.867 ppbv  
RT: 1.722 min Scan# 505  
Delta R.T. 0.003 min  
Lab File: VL042971.D  
Acq: 22 Sep 2025 23:23

Tgt Ion: 45 Resp: 41250  
Ion Ratio Lower Upper  
45 100  
46 39.0 16.2 64.6





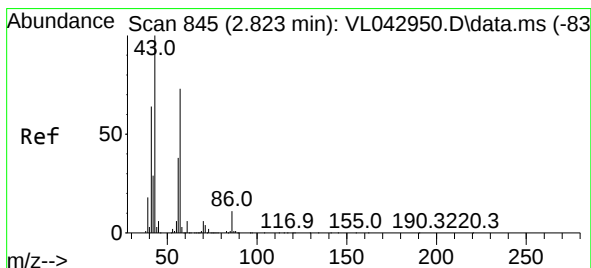
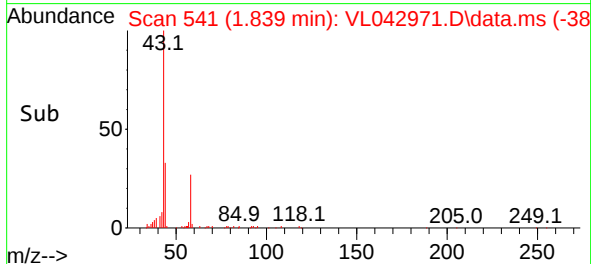
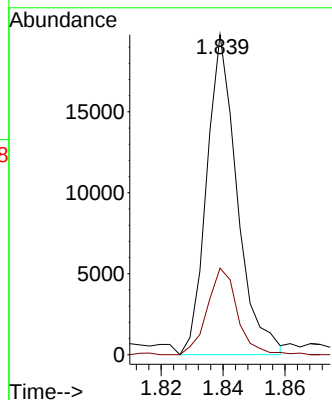
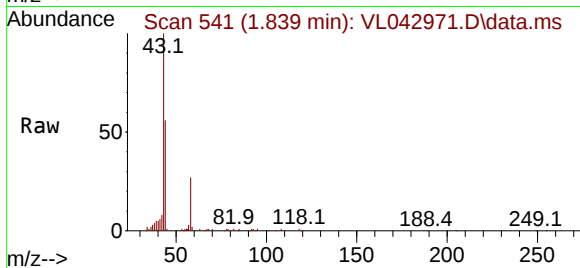
#15  
Acetone  
Concen: 0.689 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. 0.007 min  
Lab File: VL042971.D  
Acq: 22 Sep 2025 23:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
131-1A-2DL

Tgt Ion: 43 Resp: 13462  
Ion Ratio Lower Upper  
43 100  
58 27.5 22.3 33.5

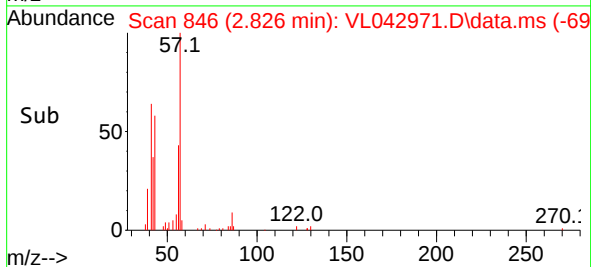
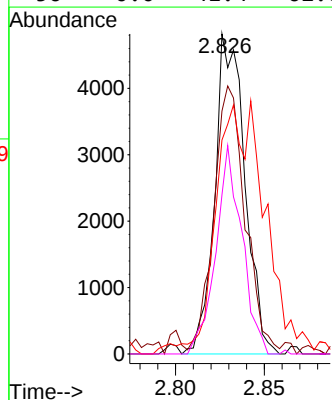
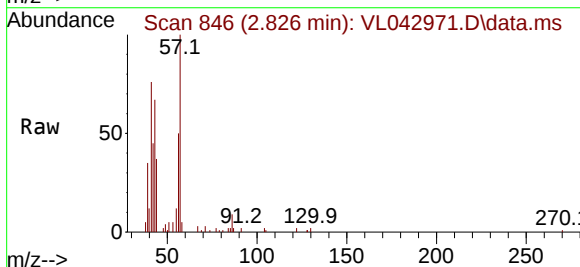
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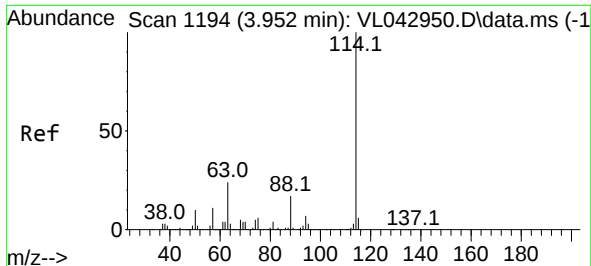
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#26  
Hexane  
Concen: 0.251 ppbv m  
RT: 2.826 min Scan# 846  
Delta R.T. 0.003 min  
Lab File: VL042971.D  
Acq: 22 Sep 2025 23:23

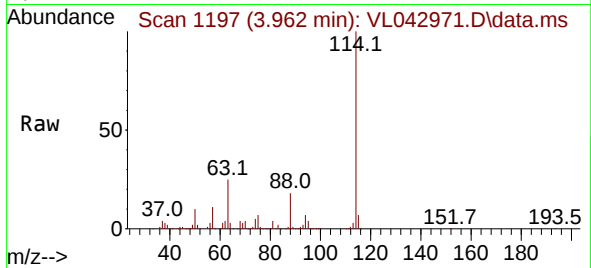
Tgt Ion: 57 Resp: 5660  
Ion Ratio Lower Upper  
57 100  
41 0.0 71.7 107.5#  
43 0.0 180.8 271.2#  
56 0.0 41.4 62.0#





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.962 min Scan# 1194  
Delta R.T. 0.010 min  
Lab File: VL042971.D  
Acq: 22 Sep 2025 23:23

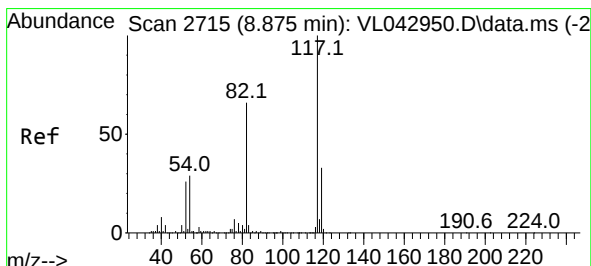
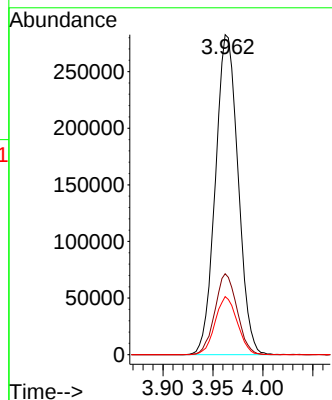
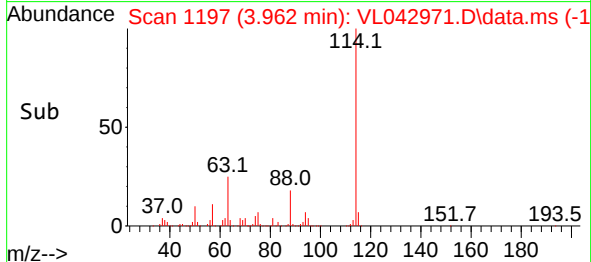
Instrument :  
MSVOA\_L  
ClientSampleId :  
131-1A-2DL



Tgt Ion:114 Resp: 446558  
Ion Ratio Lower Upper  
114 100  
63 24.8 19.4 29.2  
88 17.7 14.2 21.2

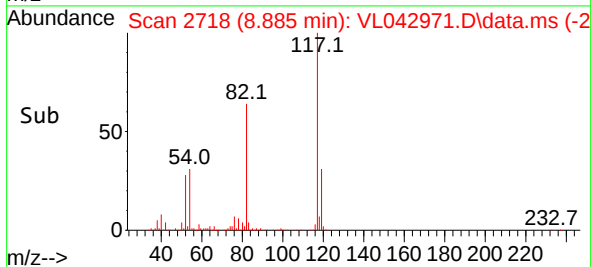
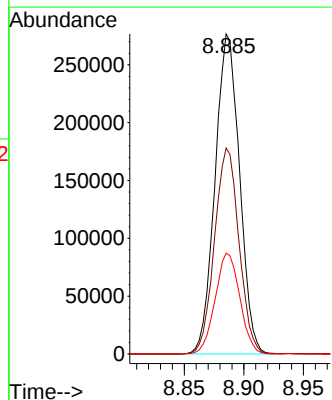
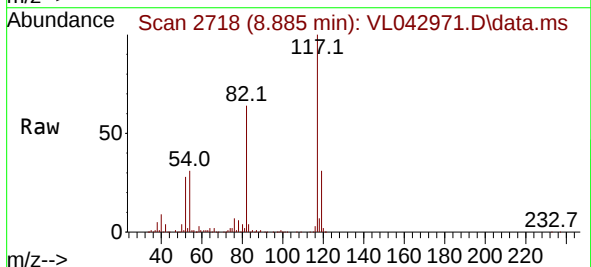
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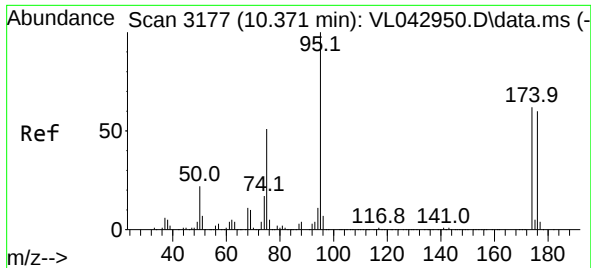
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.885 min Scan# 2718  
Delta R.T. 0.010 min  
Lab File: VL042971.D  
Acq: 22 Sep 2025 23:23

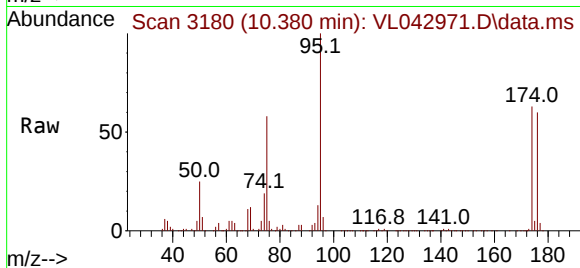
Tgt Ion:117 Resp: 395207  
Ion Ratio Lower Upper  
117 100  
82 64.3 52.8 79.2  
119 31.8 26.5 39.7





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.103 ppbv  
 RT: 10.380 min Scan# 31  
 Delta R.T. 0.010 min  
 Lab File: VL042971.D  
 Acq: 22 Sep 2025 23:23

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 131-1A-2DL



Tgt Ion: 95 Resp: 298058  
 Ion Ratio Lower Upper  
 95 100  
 174 62.3 51.4 77.2  
 175 4.8 4.0 6.0

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