

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL031725\  
 Data File : VL042156.D  
 Acq On : 17 Mar 2025 14:09  
 Operator : SY/MD  
 Sample : Q1586-02 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 557-SG-1

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2025  
 Supervised By :Mahesh Dadoda 03/18/2025

Quant Time: Mar 18 01:25:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL022525AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 2  
 QLast Update : Wed Feb 26 01:08:36 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.800  | 49    | 170524   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.978  | 114   | 408641   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.901  | 117   | 332614   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.393 | 95    | 253101   | 9.891    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 98.900%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 13) Ethanol                 | 1.729  | 45    | 3617m    | 5.643    | ppbv   |          |
| 15) Acetone                 | 1.845  | 43    | 13833    | 0.919    | ppbv   | 94       |
| 20) Methylene Chloride      | 2.069  | 84    | 1203     | 0.211    | ppbv # | 55       |
| 52) Tetrachloroethene       | 8.251  | 164   | 4517m    | 0.308    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

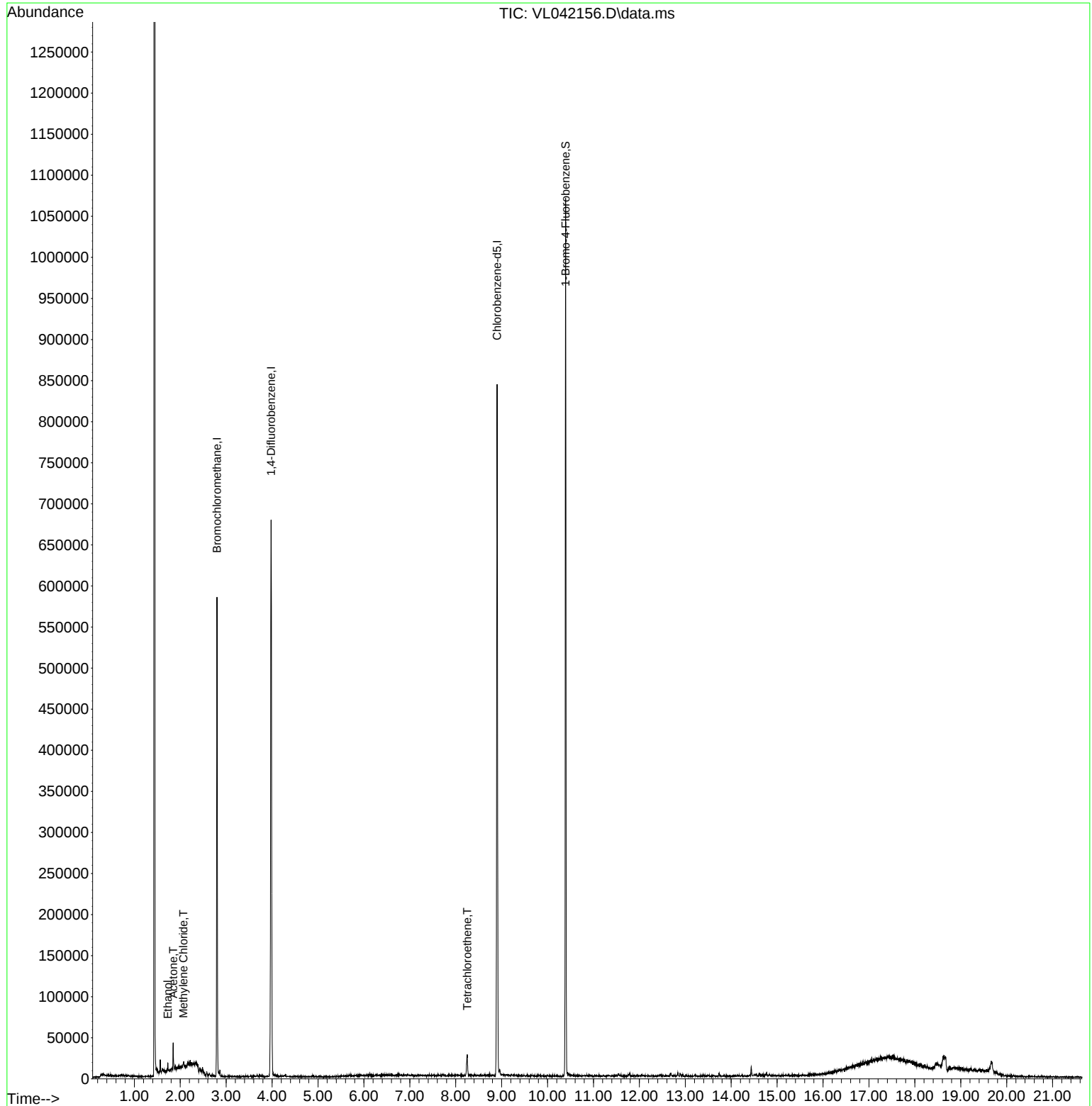
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL031725\  
Data File : VL042156.D  
Acq On : 17 Mar 2025 14:09  
Operator : SY/MD  
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Misc : 400mL/MSVOA\_L  
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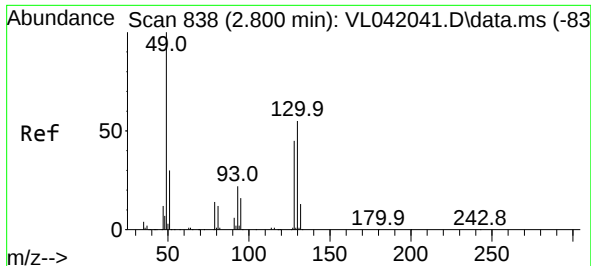
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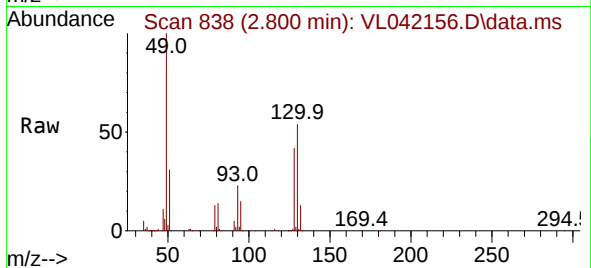
Quant Time: Mar 18 01:25:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL022525AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Wed Feb 26 01:08:36 2025  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.800 min Scan# 838  
Delta R.T. 0.000 min  
Lab File: VL042156.D  
Acq: 17 Mar 2025 14:09

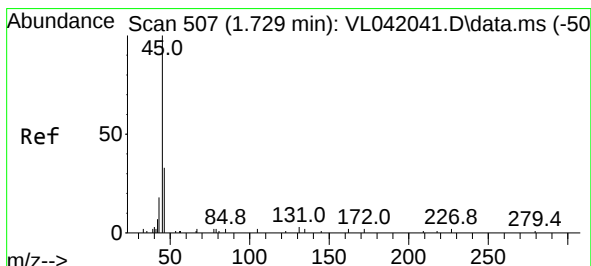
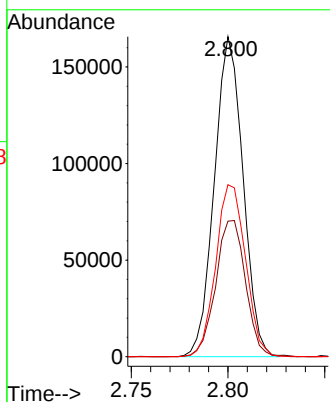
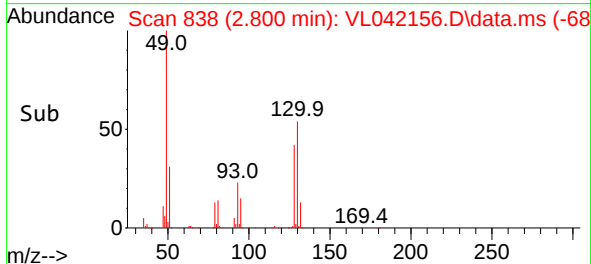
Instrument :  
MSVOA\_L  
ClientSampleId :  
557-SG-1



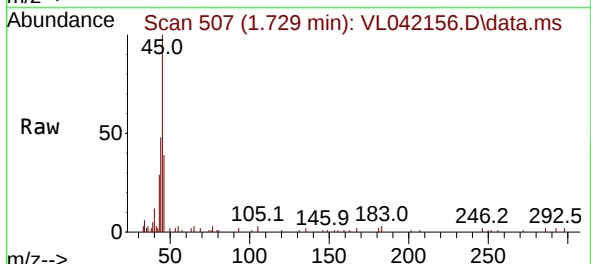
Tgt Ion: 49 Resp: 170524  
Ion Ratio Lower Upper  
49 100  
128 44.3 21.6 64.8  
130 55.9 27.8 83.4

Manual Integrations  
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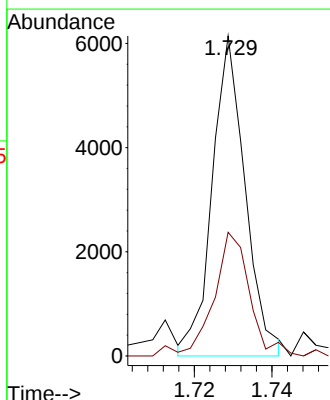
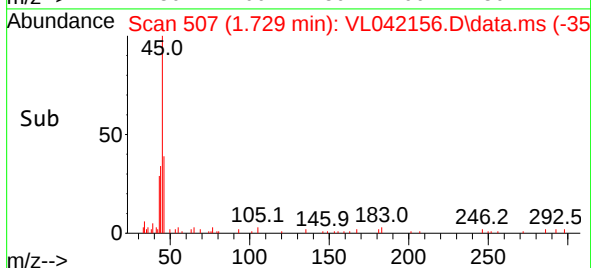
Reviewed By :Semsettin Yesilyurt 03/18/2025  
Supervised By :Mahesh Dadoda 03/18/2025

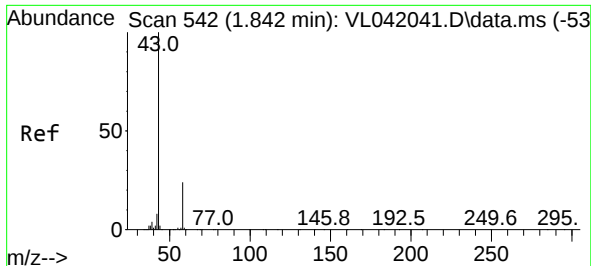


#13  
Ethanol  
Concen: 5.643 ppbv m  
RT: 1.729 min Scan# 507  
Delta R.T. -0.000 min  
Lab File: VL042156.D  
Acq: 17 Mar 2025 14:09



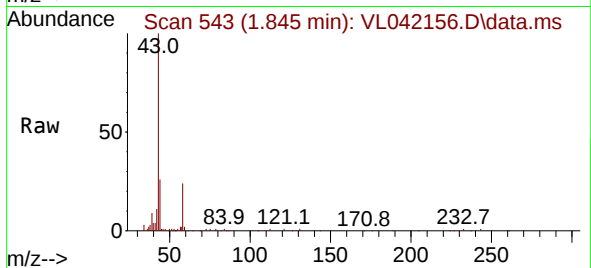
Tgt Ion: 45 Resp: 3617  
Ion Ratio Lower Upper  
45 100  
46 3860.5 17.1 68.3#





#15  
Acetone  
Concen: 0.919 ppbv  
RT: 1.845 min Scan# 542  
Delta R.T. 0.003 min  
Lab File: VL042156.D  
Acq: 17 Mar 2025 14:09

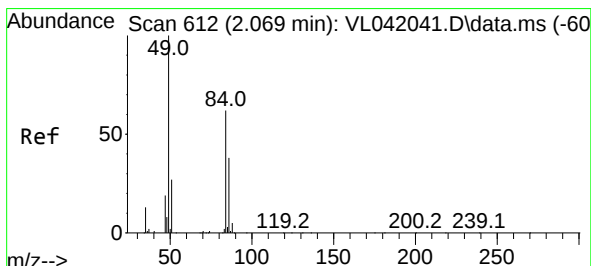
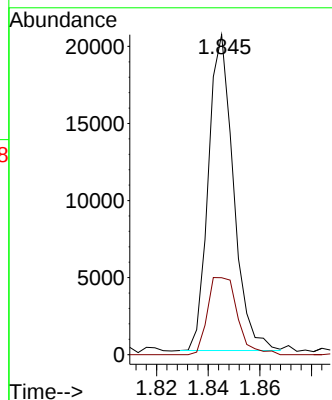
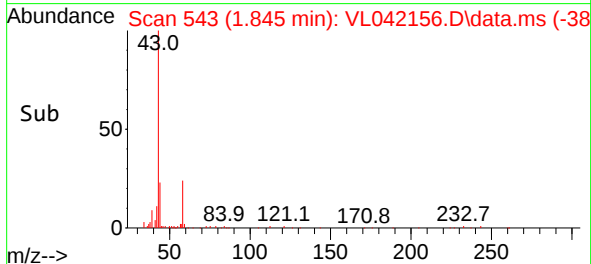
Instrument :  
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Tgt Ion: 43 Resp: 1383  
Ion Ratio Lower Upper  
43 100  
58 29.1 20.7 31.1

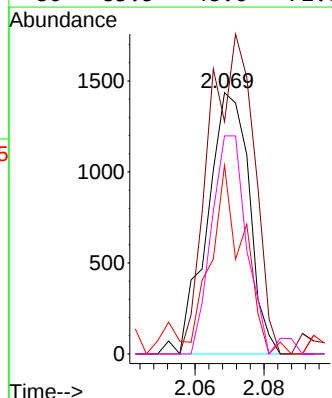
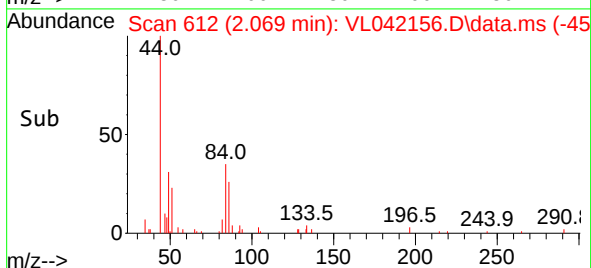
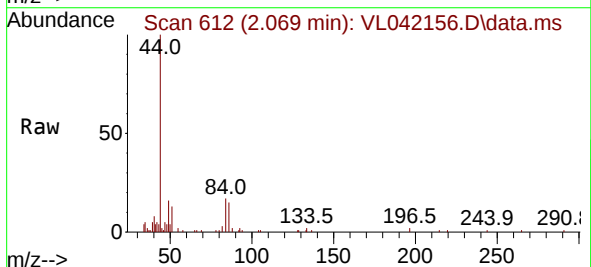
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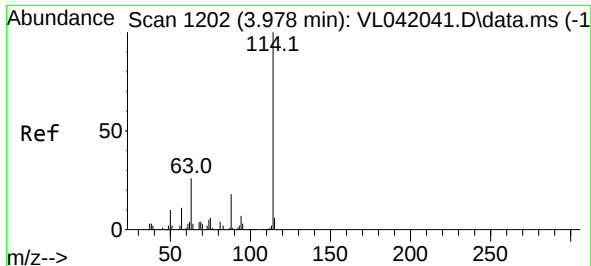
Reviewed By :Semsettin Yesilyurt 03/18/2025  
Supervised By :Mahesh Dadoda 03/18/2025



#20  
Methylene Chloride  
Concen: 0.211 ppbv  
RT: 2.069 min Scan# 612  
Delta R.T. -0.000 min  
Lab File: VL042156.D  
Acq: 17 Mar 2025 14:09

Tgt Ion: 84 Resp: 1203  
Ion Ratio Lower Upper  
84 100  
49 88.9 130.0 195.0#  
51 67.7 37.4 56.0#  
86 83.5 48.6 72.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL042156.D

Acq: 17 Mar 2025 14:09

Instrument :

MSVOA\_L

ClientSampleId :

557-SG-1

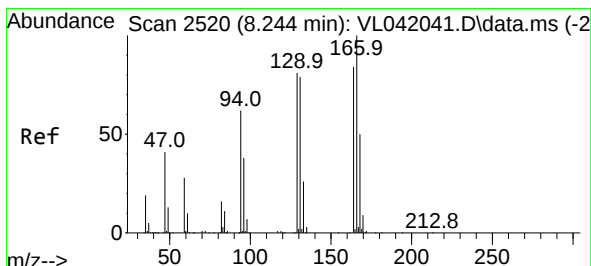
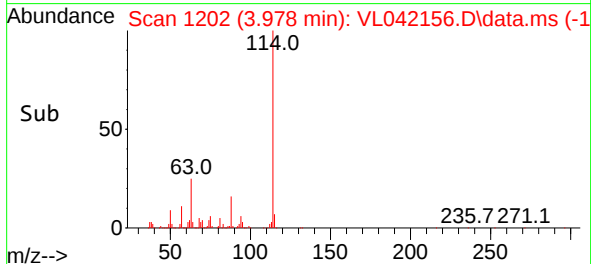
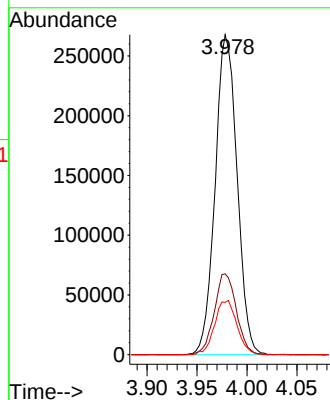
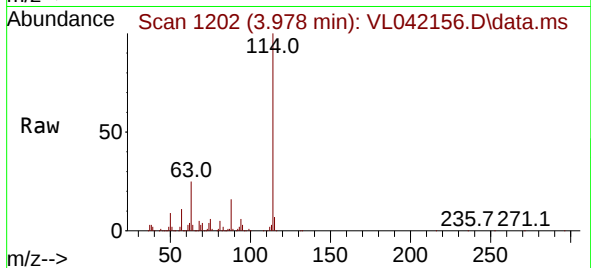
Tgt Ion:114 Resp: 40864

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 25.6  | 20.1  | 30.1  |
| 88  | 17.3  | 14.3  | 21.5  |

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#52

Tetrachloroethene

Concen: 0.308 ppbv m

RT: 8.251 min Scan# 2522

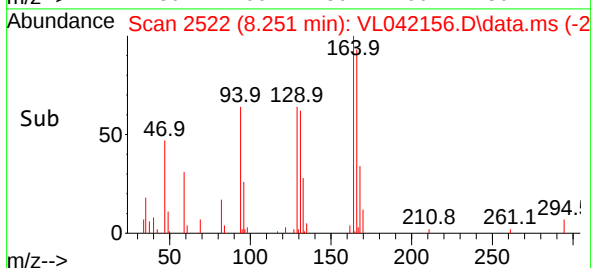
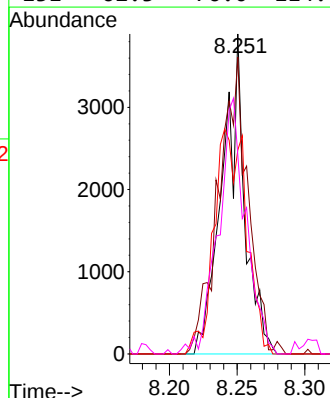
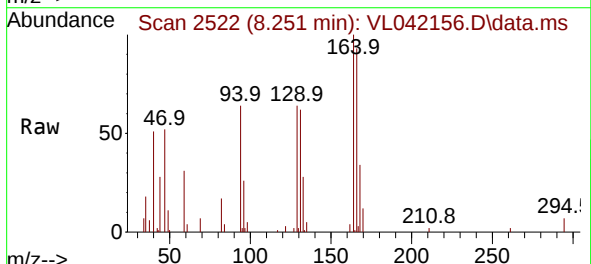
Delta R.T. 0.006 min

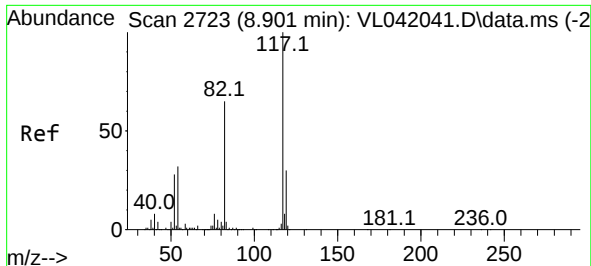
Lab File: VL042156.D

Acq: 17 Mar 2025 14:09

Tgt Ion:164 Resp: 4517

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 164 | 100   |       |        |
| 166 | 92.7  | 95.7  | 143.5# |
| 129 | 63.7  | 77.1  | 115.7# |
| 131 | 62.3  | 76.0  | 114.0# |





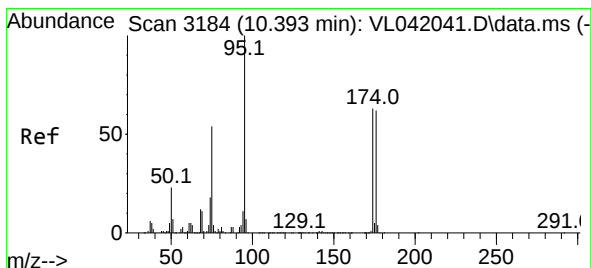
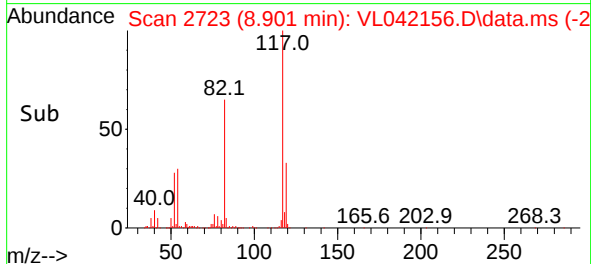
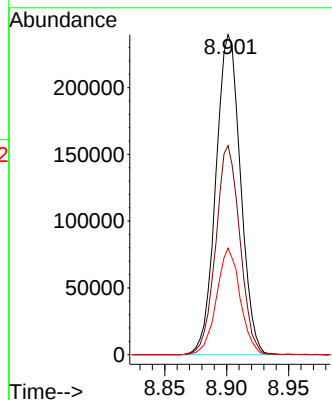
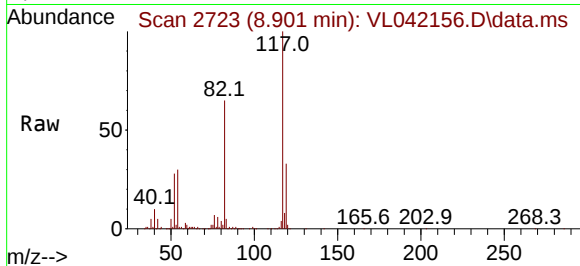
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.901 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL042156.D  
Acq: 17 Mar 2025 14:09

Instrument :  
MSVOA\_L  
ClientSampleId :  
557-SG-1

Tgt Ion: 117 Resp: 332614  
Ion Ratio Lower Upper  
117 100  
82 64.1 55.0 82.6  
119 31.9 25.9 38.9

Manual Integrations  
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Supervised By :Mahesh Dadoda 03/18/2025



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.891 ppbv  
RT: 10.393 min Scan# 3184  
Delta R.T. -0.000 min  
Lab File: VL042156.D  
Acq: 17 Mar 2025 14:09

Tgt Ion: 95 Resp: 253101  
Ion Ratio Lower Upper  
95 100  
174 65.1 51.8 77.6  
175 4.8 3.9 5.9

