

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051325\  
 Data File : VY022244.D  
 Acq On : 13 May 2025 15:34  
 Operator : SY/MD  
 Sample : Q1983-38RE  
 Misc : 4.97g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-636-VOC-07RE

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 05/14/2025  
 Supervised By :Semsettin Yesilyurt 05/15/2025

Quant Time: May 13 15:50:15 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc      | Units         | Dev(Min) |
|-----------------------------|--------|-------|----------|-----------|---------------|----------|
| -----                       |        |       |          |           |               |          |
| Internal Standards          |        |       |          |           |               |          |
| 1) Pentafluorobenzene       | 7.701  | 168   | 427      | 50.000    | ug/l          | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 900      | 50.000    | ug/l          | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 1698     | 50.000    | ug/l          | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 1737     | 50.000    | ug/l          | 0.00     |
| System Monitoring Compounds |        |       |          |           |               |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 72682    | 18427.937 | ug/l          | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery  | = 36855.880%# |          |
| 35) Dibromofluoromethane    | 7.634  | 113   | 83346m   | 14017.431 | ug/l          | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery  | = 28034.860%# |          |
| 50) Toluene-d8              | 10.109 | 98    | 254129   | 11336.979 | ug/l          | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery  | = 22673.960%# |          |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 63944    | 8473.765  | ug/l          | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery  | = 16947.540%# |          |

| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

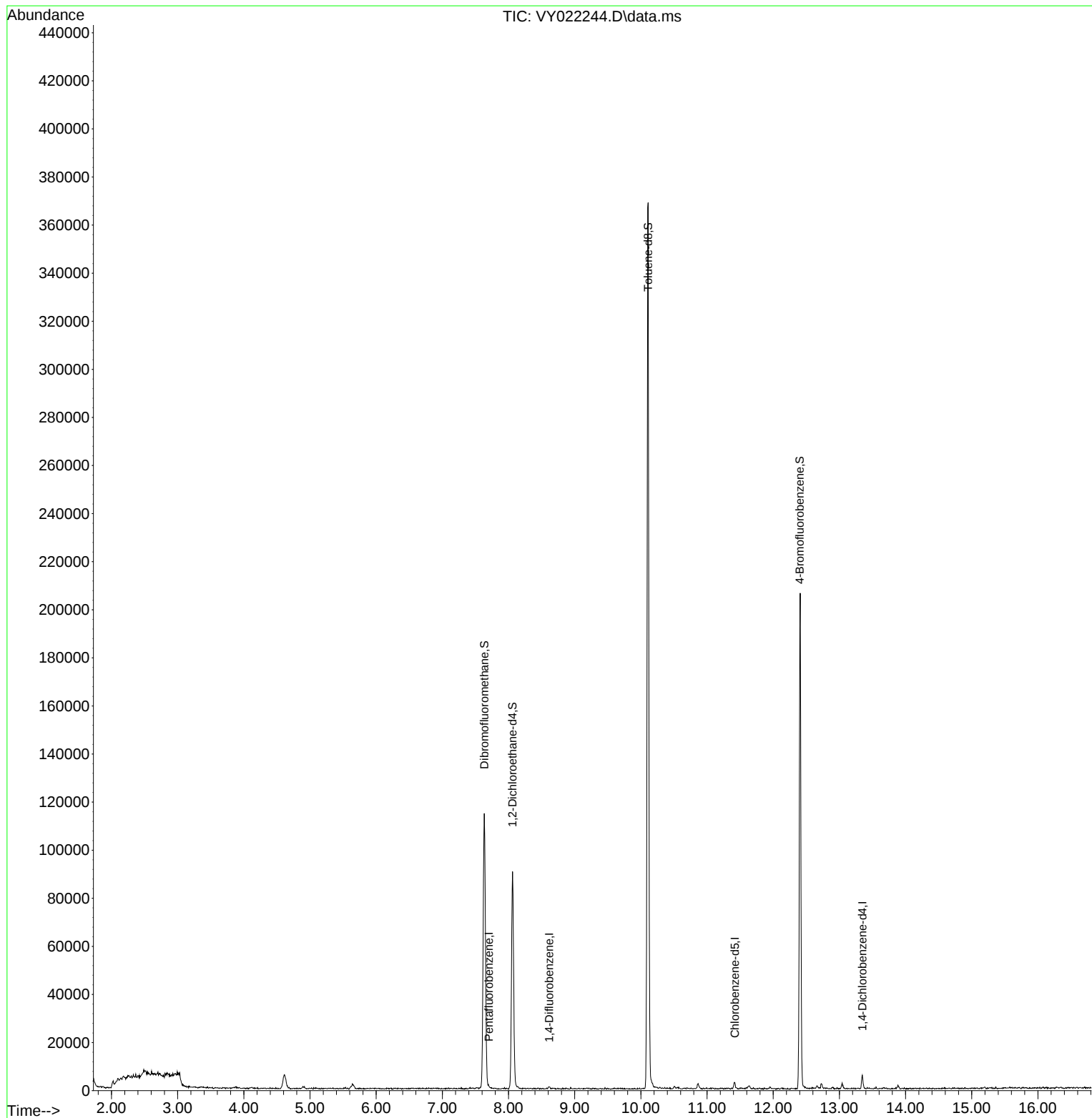
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051325\  
Data File : VY022244.D  
Acq On : 13 May 2025 15:34  
Operator : SY/MD  
Sample : Q1983-38RE  
Misc : 4.97g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

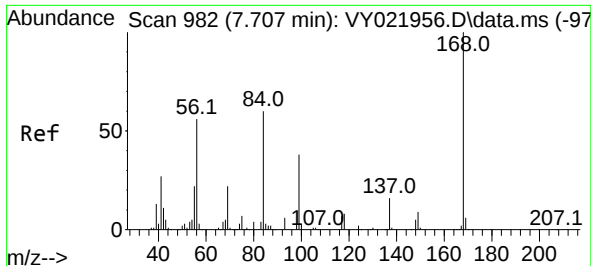
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-636-VOC-07RE

Quant Time: May 13 15:50:15 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 23 02:30:30 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

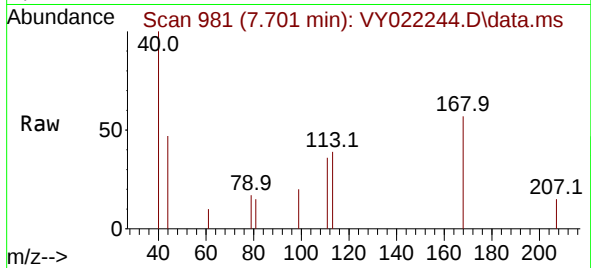
Reviewed By :Mahesh Dadoda 05/14/2025  
Supervised By :Semsettin Yesilyurt 05/15/2025





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: VY022244.D  
Acq: 13 May 2025 15:34

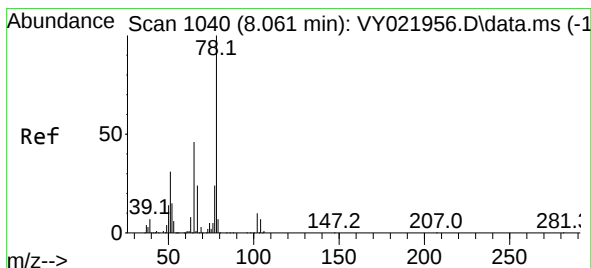
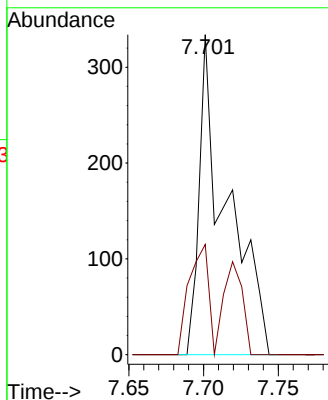
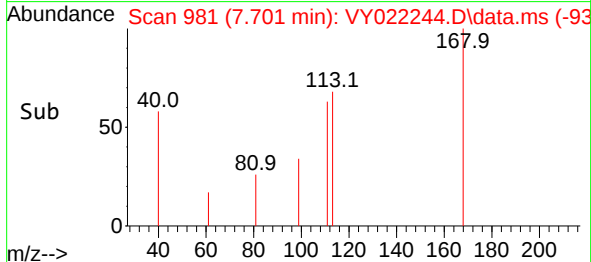
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-636-VOC-07RE



Tgt Ion: 168 Resp: 42  
Ion Ratio Lower Upper  
168 100  
99 34.4 43.1 64.7

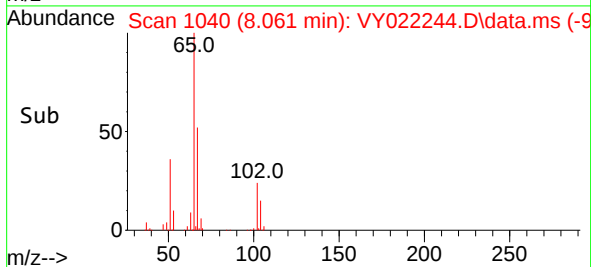
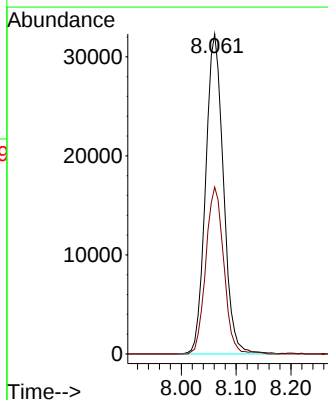
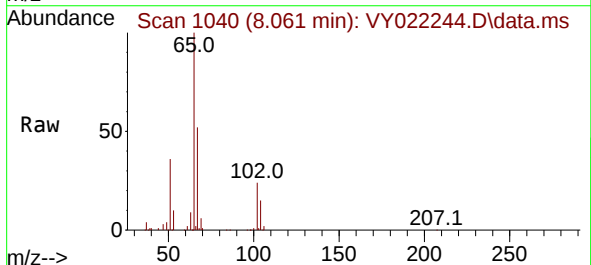
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 05/14/2025  
Supervised By :Semsettin Yesilyurt 05/15/2025



#33  
1,2-Dichloroethane-d4  
Concen: 18427.937 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY022244.D  
Acq: 13 May 2025 15:34

Tgt Ion: 65 Resp: 72682  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022244.D

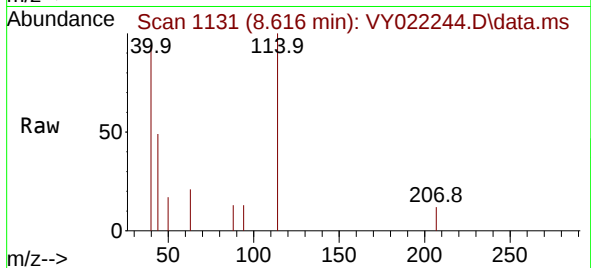
Acq: 13 May 2025 15:34

Instrument :

MSVOA\_Y

ClientSampleId :

OR-636-VOC-07RE



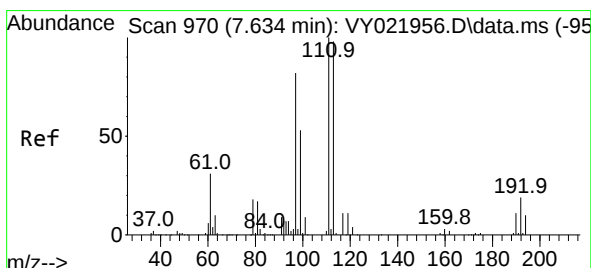
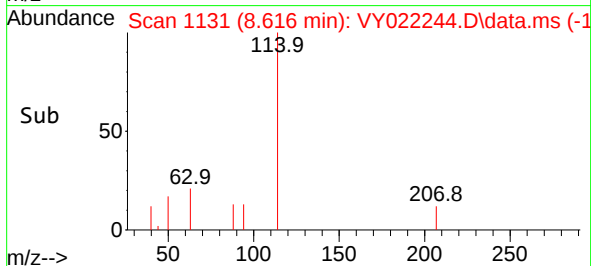
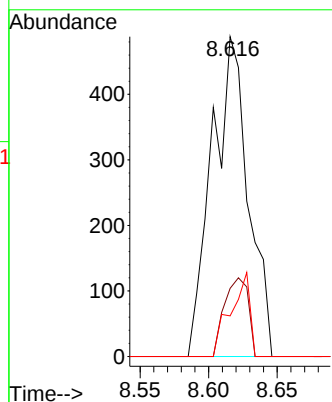
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 114   | Resp: | 900  |
| Ion Ratio | Lower | Upper |      |
| 114       | 100   |       |      |
| 63        | 21.3  | 0.0   | 35.4 |
| 88        | 12.7  | 0.0   | 28.2 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/14/2025

Supervised By :Semsettin Yesilyurt 05/15/2025



#35

Dibromofluoromethane

Concen: 14017.431 ug/l m

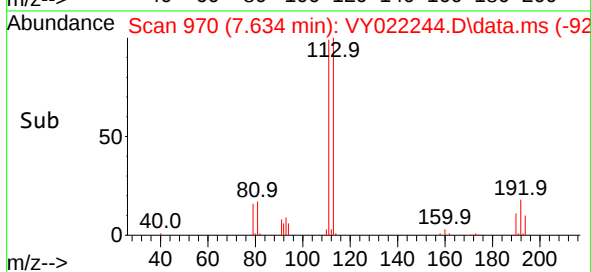
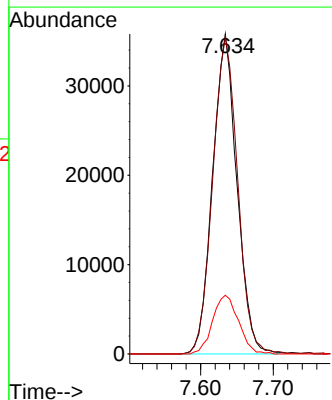
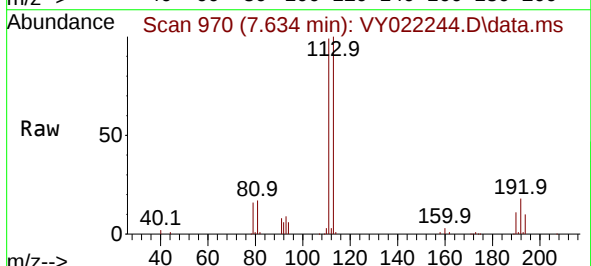
RT: 7.634 min Scan# 970

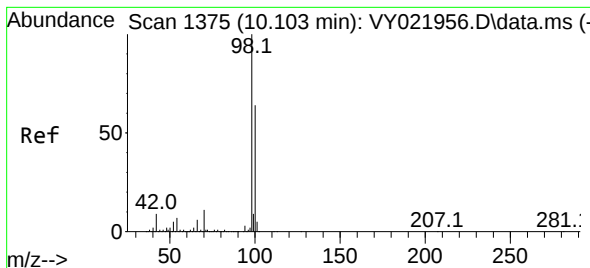
Delta R.T. -0.000 min

Lab File: VY022244.D

Acq: 13 May 2025 15:34

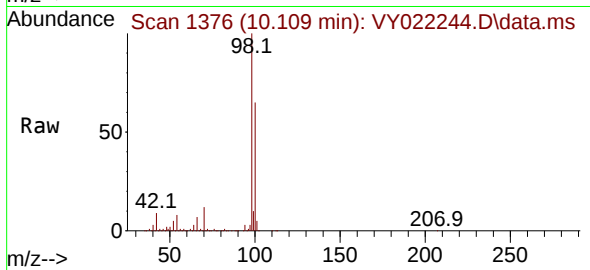
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 83346  |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 0.0   | 81.8  | 122.8# |
| 192       | 0.0   | 15.6  | 23.4#  |





#50  
Toluene-d8  
Concen: 11336.979 ug/l  
RT: 10.109 min Scan# 1375  
Delta R.T. 0.006 min  
Lab File: VY022244.D  
Acq: 13 May 2025 15:34

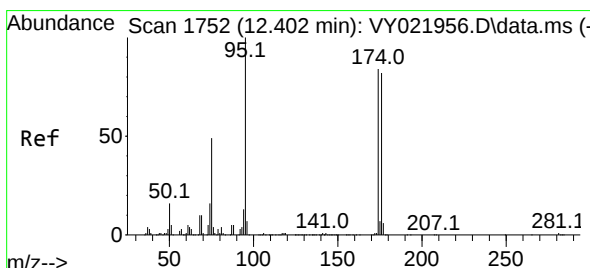
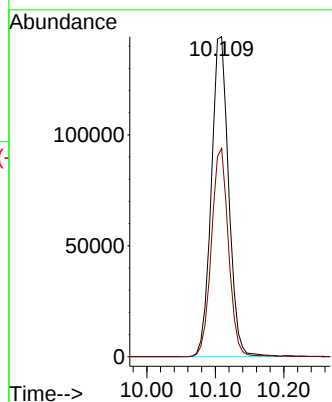
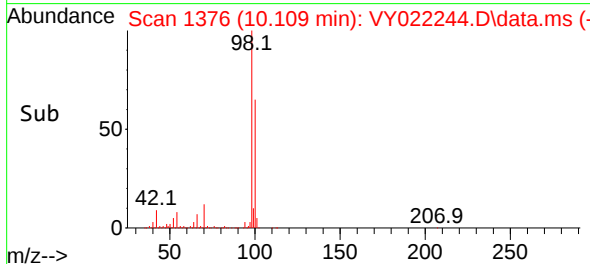
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-636-VOC-07RE



Tgt Ion: 98 Resp: 254129  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.6 77.4

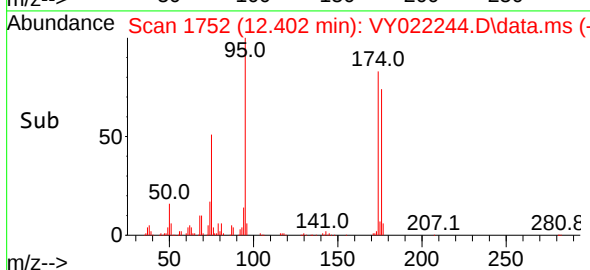
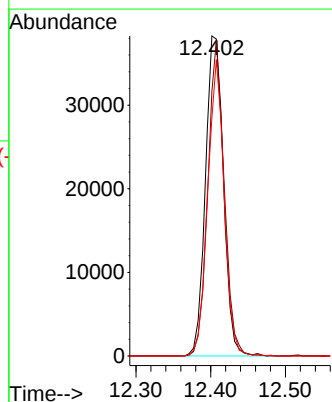
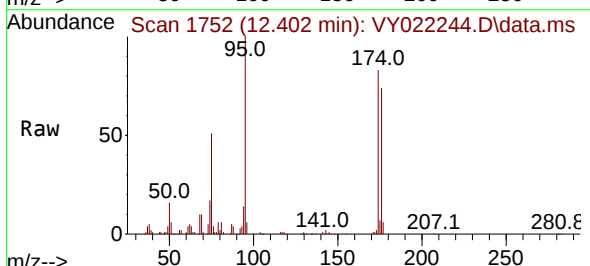
Manual Integrations  
APPROVED

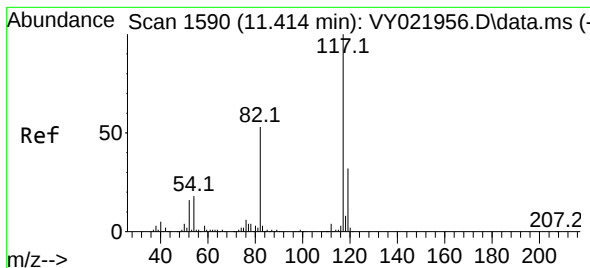
Reviewed By :Mahesh Dadoda 05/14/2025  
Supervised By :Semsettin Yesilyurt 05/15/2025



#62  
4-Bromofluorobenzene  
Concen: 8473.765 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY022244.D  
Acq: 13 May 2025 15:34

Tgt Ion: 95 Resp: 63944  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 179.0  
176 84.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY022244.D

Acq: 13 May 2025 15:34

Instrument :

MSVOA\_Y

ClientSampleId :

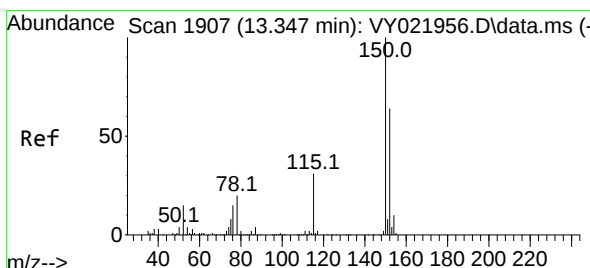
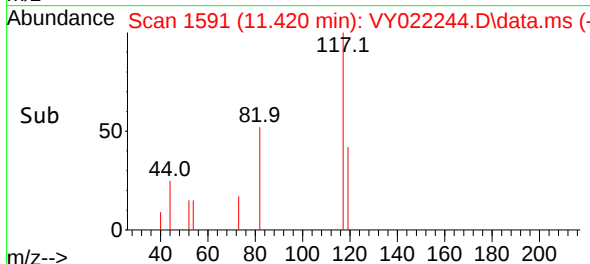
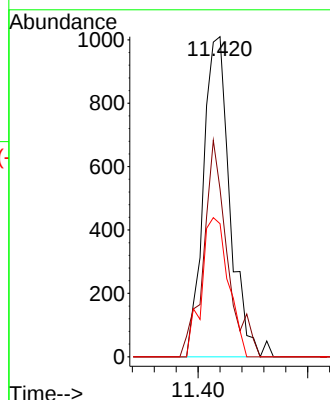
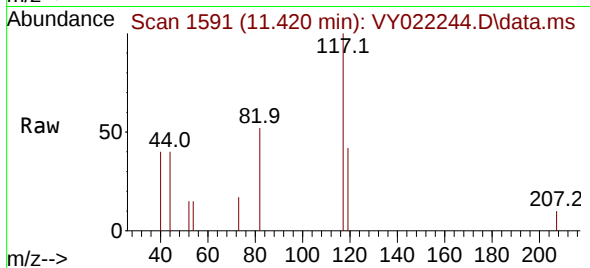
OR-636-VOC-07RE

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:117 | Resp: | 1698      |
| Ion Ratio   | Lower | Upper     |
| 117         | 100   |           |
| 82          | 52.4  | 42.1 63.1 |
| 119         | 41.6  | 25.7 38.5 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/14/2025  
Supervised By :Semsettin Yesilyurt 05/15/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022244.D

Acq: 13 May 2025 15:34

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 1737      |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 63.0  | 28.0 84.0 |
| 150         | 135.6 | 0.0 345.6 |

