

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031125\  
 Data File : VY021483.D  
 Acq On : 11 Mar 2025 13:58  
 Operator : SY/MD  
 Sample : Q1515-02  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 AU-06-030625-E2

Quant Time: Mar 12 01:24:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

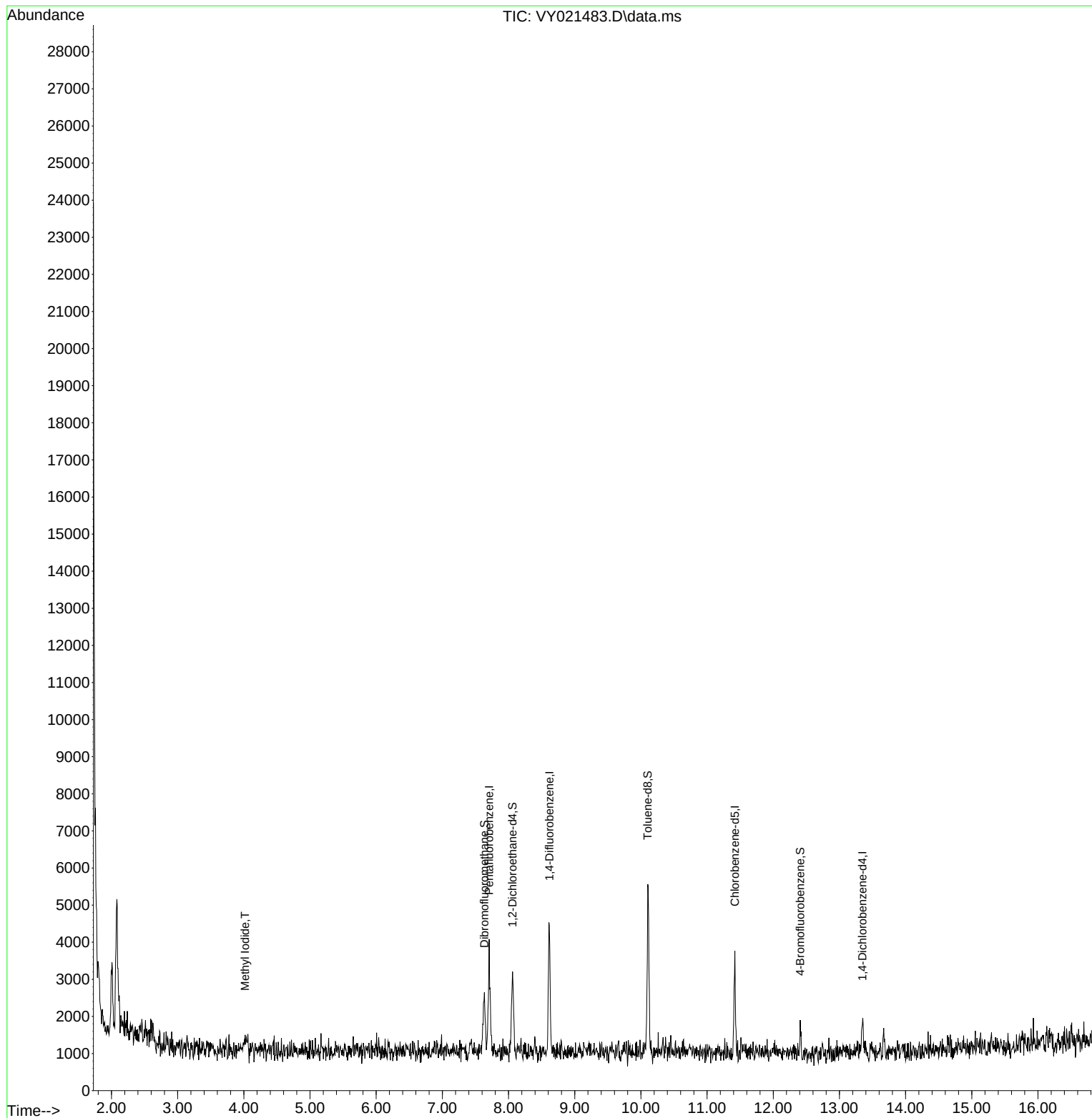
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 2245     | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 3265     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 1479     | 50.000   | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 404      | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 1620     | 68.273   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 136.540% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 1229     | 57.266   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 114.540% |
| 50) Toluene-d8              | 10.103 | 98    | 3193     | 39.294   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 78.580%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 330      | 11.939   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 23.880%# |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 10) Methyl Iodide           | 4.019  | 142   | 356      | 13.846   | ug/l  | # 76     |
| -----                       |        |       |          |          |       |          |

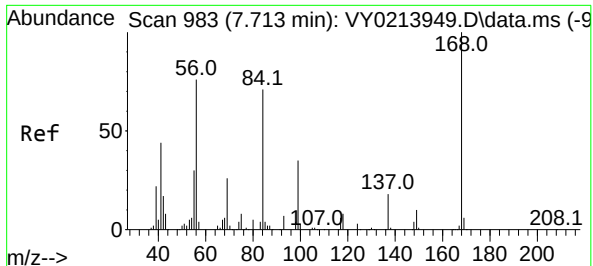
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031125\  
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MSVOA\_Y  
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AU-06-030625-E2

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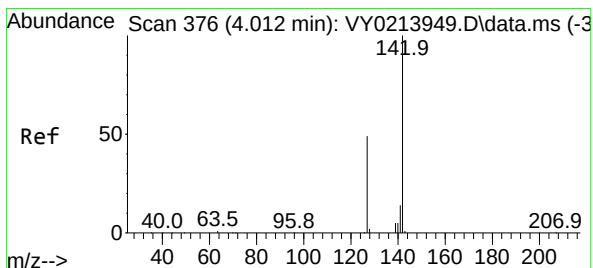
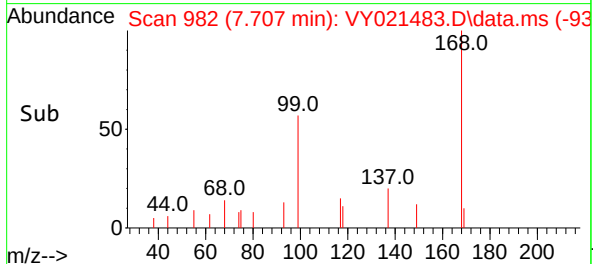
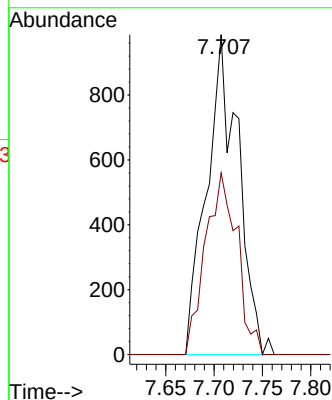
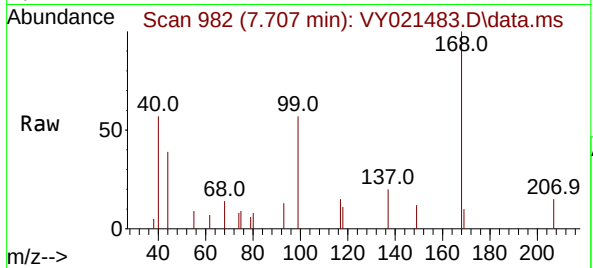




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY021483.D  
Acq: 11 Mar 2025 13:58

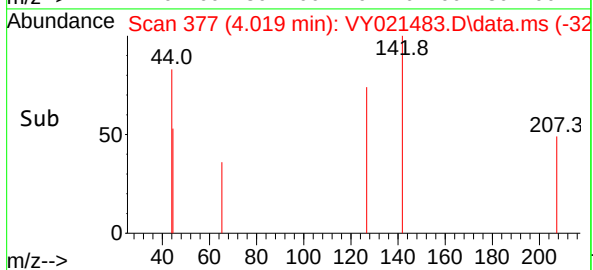
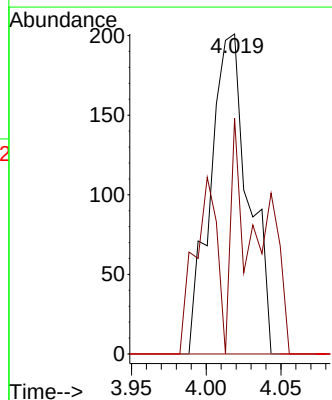
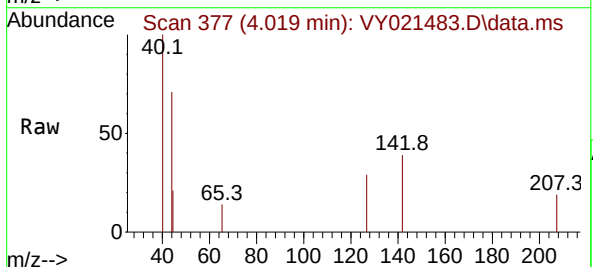
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AU-06-030625-E2

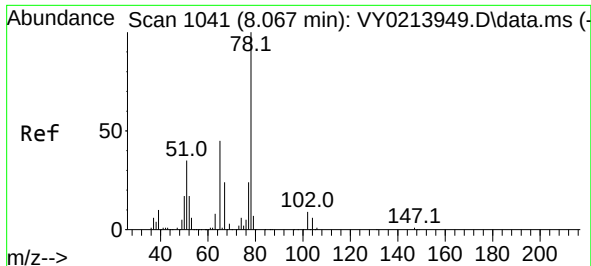
Tgt Ion:168 Resp: 2245  
Ion Ratio Lower Upper  
168 100  
99 56.8 46.0 69.0



#10  
Methyl Iodide  
Concen: 13.846 ug/l  
RT: 4.019 min Scan# 377  
Delta R.T. 0.007 min  
Lab File: VY021483.D  
Acq: 11 Mar 2025 13:58

Tgt Ion:142 Resp: 356  
Ion Ratio Lower Upper  
142 100  
127 35.1 39.1 58.7#  
141 0.0 11.8 17.6#





#33

1,2-Dichloroethane-d4

Concen: 68.273 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021483.D

Acq: 11 Mar 2025 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

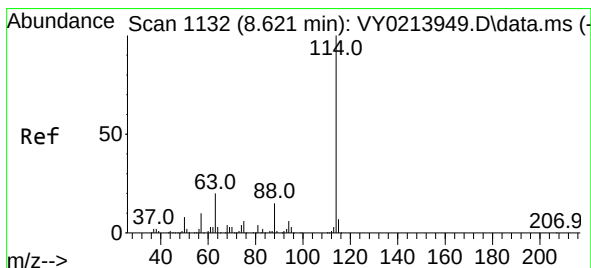
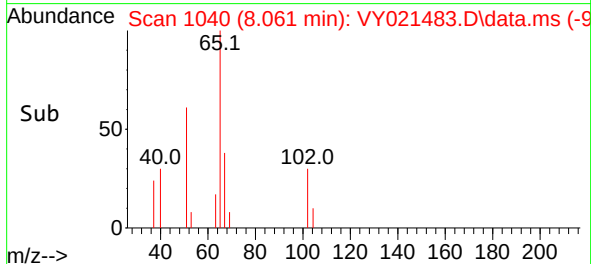
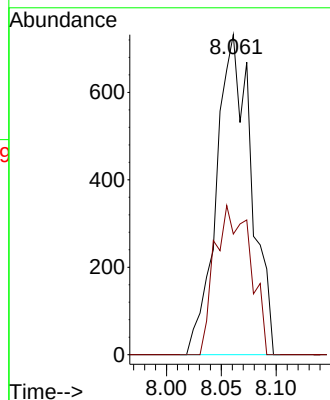
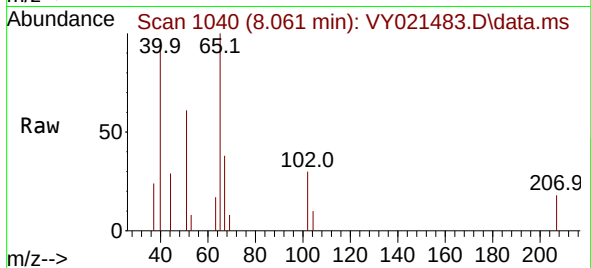
AU-06-030625-E2

Tgt Ion: 65 Resp: 1620

Ion Ratio Lower Upper

65 100

67 47.5 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021483.D

Acq: 11 Mar 2025 13:58

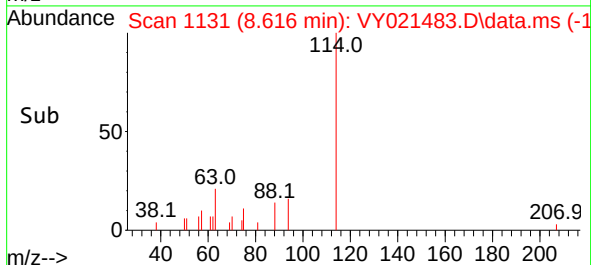
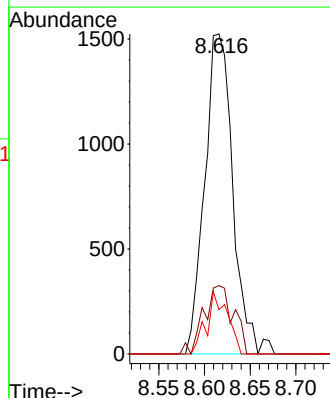
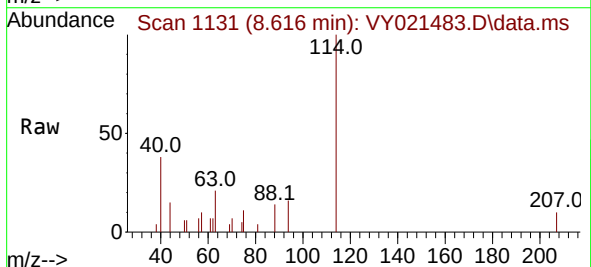
Tgt Ion: 114 Resp: 3265

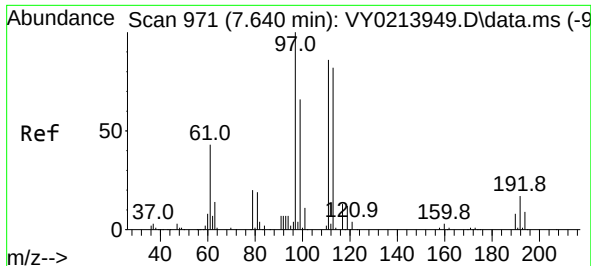
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 13.8 0.0 30.8

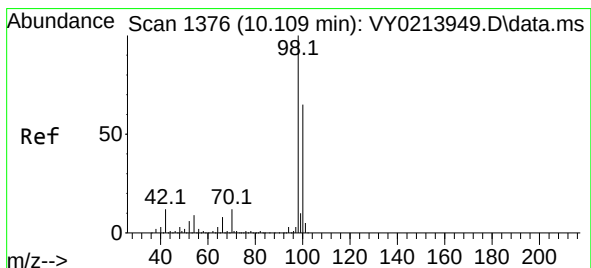
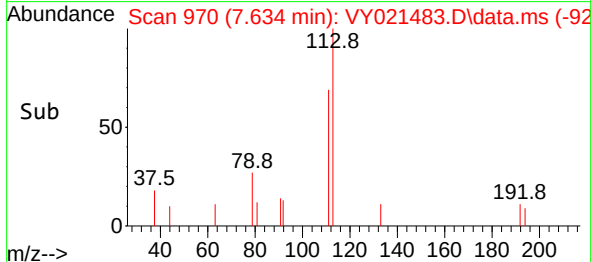
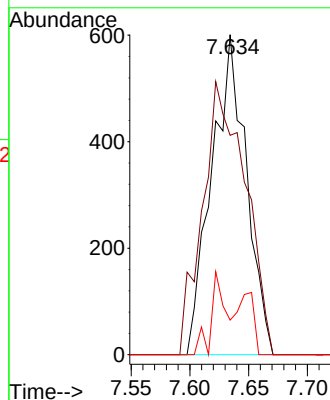
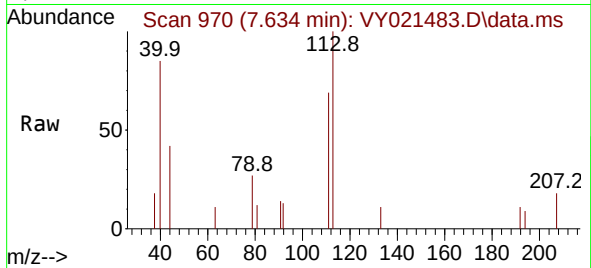




#35  
 Dibromofluoromethane  
 Concen: 57.266 ug/l  
 RT: 7.634 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VY021483.D  
 Acq: 11 Mar 2025 13:58

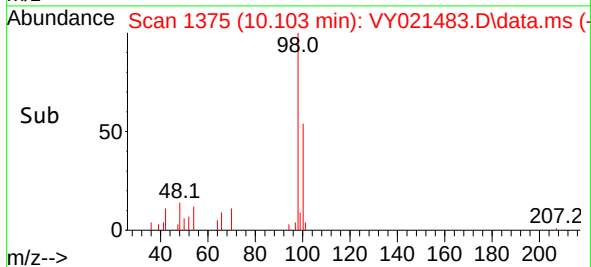
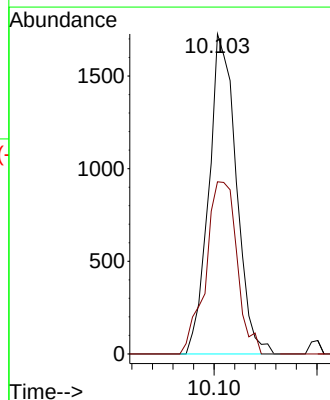
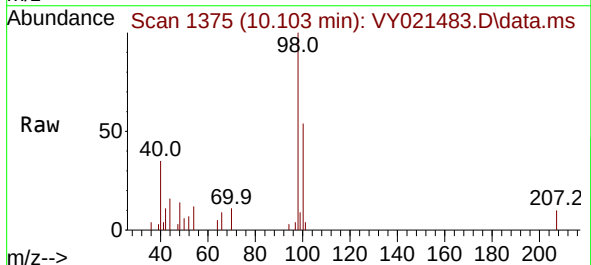
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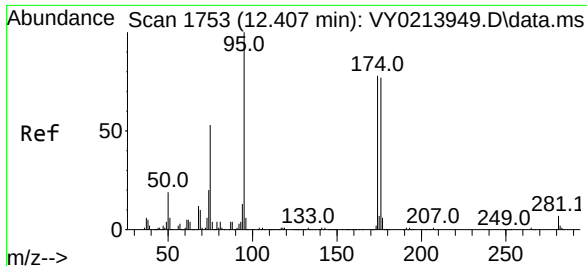
Tgt Ion:113 Resp: 1229  
 Ion Ratio Lower Upper  
 113 100  
 111 105.8 82.0 123.0  
 192 10.8 15.9 23.9#



#50  
 Toluene-d8  
 Concen: 39.294 ug/l  
 RT: 10.103 min Scan# 1375  
 Delta R.T. -0.006 min  
 Lab File: VY021483.D  
 Acq: 11 Mar 2025 13:58

Tgt Ion: 98 Resp: 3193  
 Ion Ratio Lower Upper  
 98 100  
 100 61.0 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 11.939 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021483.D

Acq: 11 Mar 2025 13:58

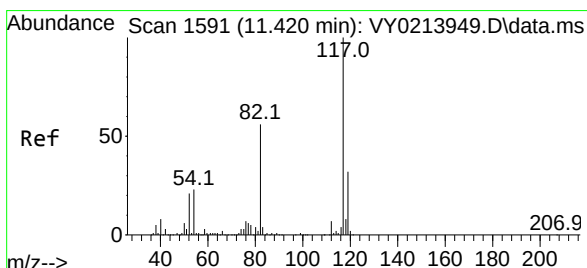
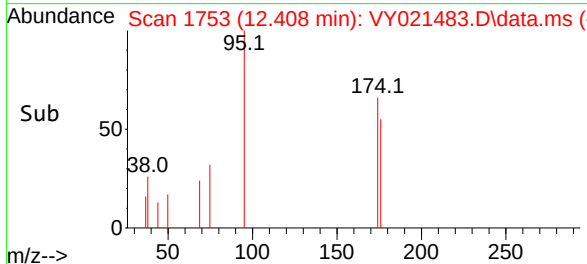
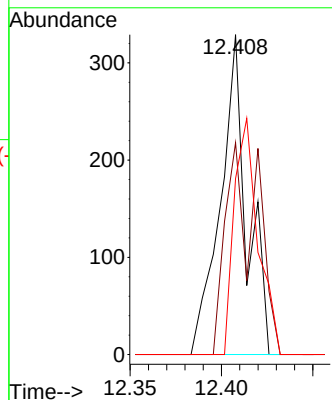
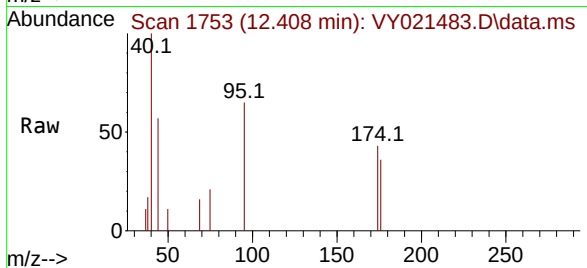
Instrument :

MSVOA\_Y

ClientSampleId :

AU-06-030625-E2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 330   |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 78.5  | 0.0   | 165.0 |
| 176       | 66.7  | 0.0   | 160.0 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

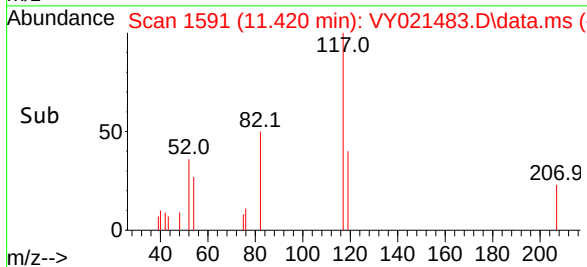
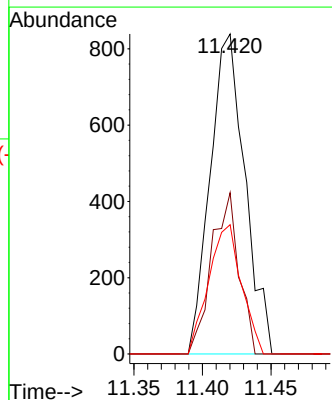
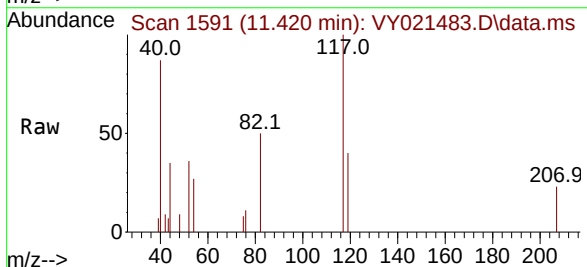
RT: 11.420 min Scan# 1591

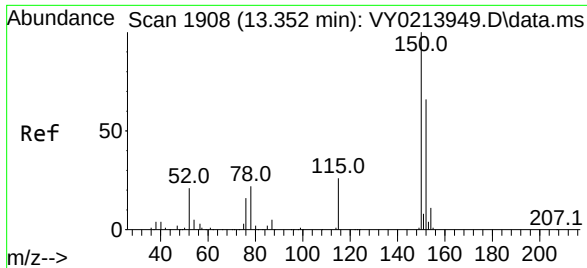
Delta R.T. 0.000 min

Lab File: VY021483.D

Acq: 11 Mar 2025 13:58

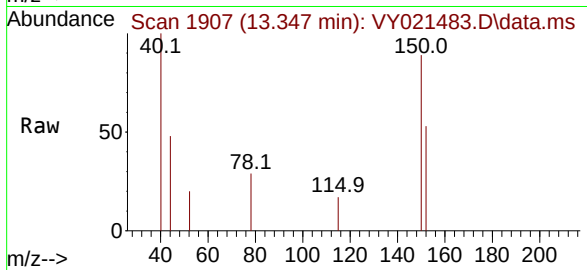
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 117   | Resp: | 1479 |
| Ion Ratio | Lower | Upper |      |
| 117       | 100   |       |      |
| 82        | 50.4  | 44.6  | 67.0 |
| 119       | 40.4  | 25.4  | 38.0 |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.347 min Scan# 1907  
 Delta R.T. -0.006 min  
 Lab File: VY021483.D  
 Acq: 11 Mar 2025 13:58

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 AU-06-030625-E2



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 404   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 53.5  | 29.0  | 87.0  |
| 150      | 117.3 | 0.0   | 347.2 |

