

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092525\  
 Data File : VY023379.D  
 Acq On : 25 Sep 2025 17:16  
 Operator : SY/MD  
 Sample : Q3209-01  
 Misc : 5.38g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-02-092525

Quant Time: Sep 26 04:27:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090825S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 10 01:44:33 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 12436    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 22116    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 19133    | 50.000 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 3189     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.054  | 65    | 7785     | 71.241   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 142.480% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 5819     | 43.044   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 86.080%  |
| 50) Toluene-d8              | 10.109 | 98    | 24431    | 47.859   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.720%  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 5140     | 31.996   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 64.000%  |

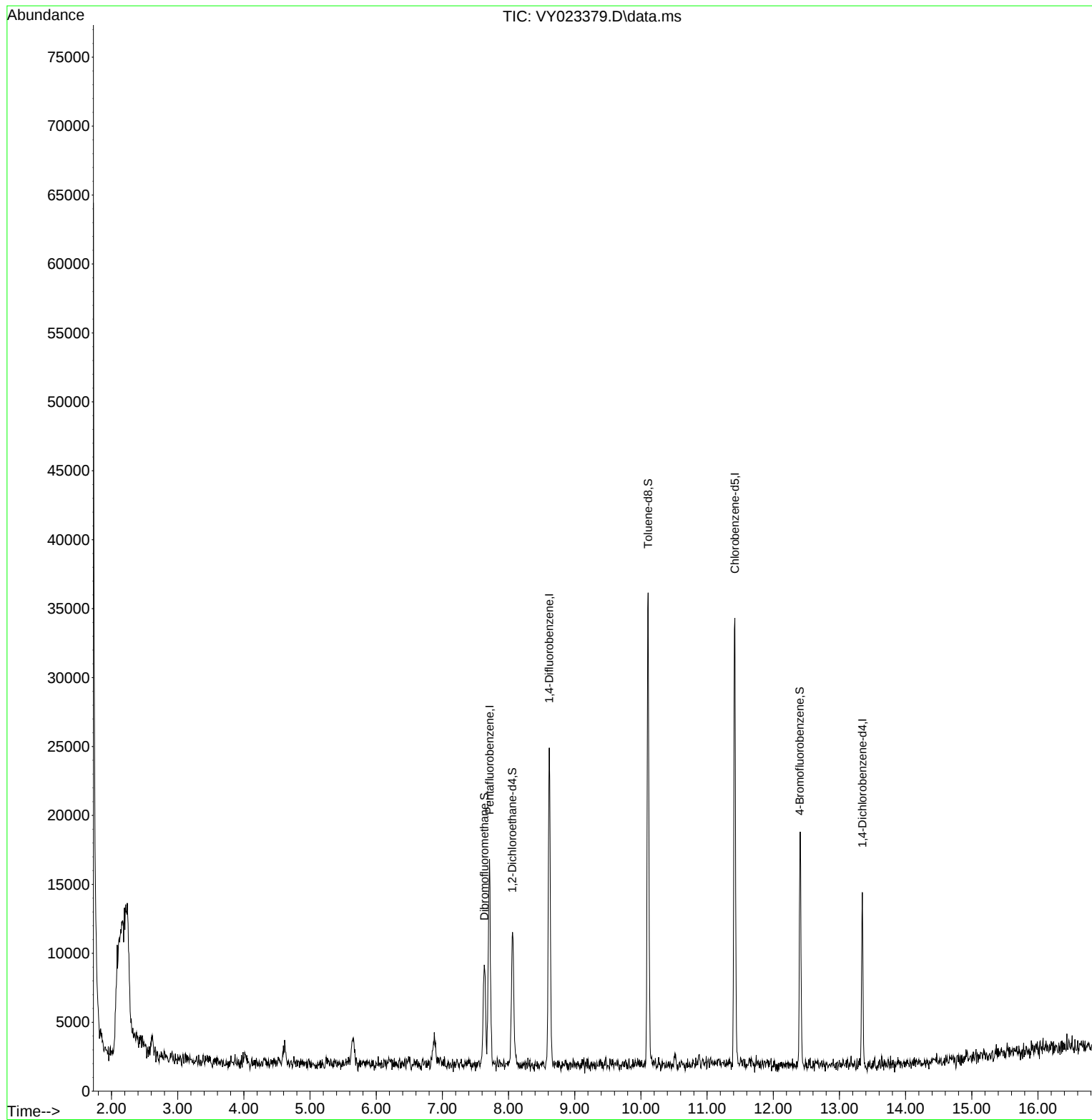
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

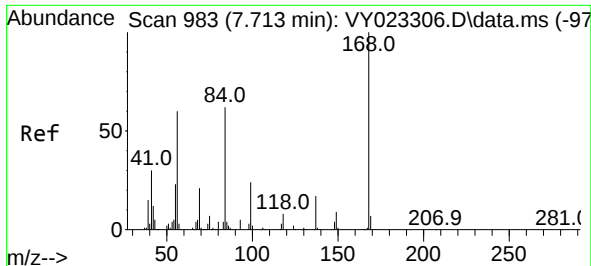
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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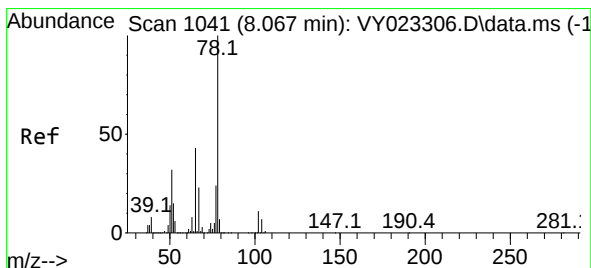
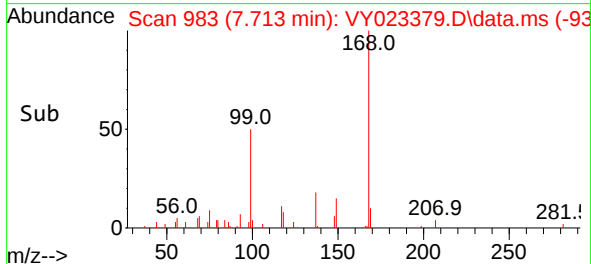
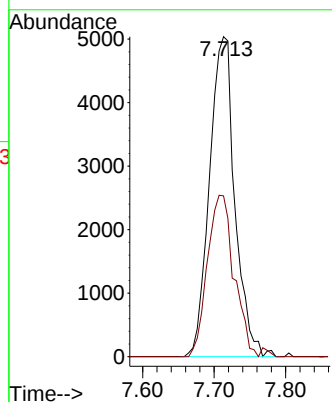
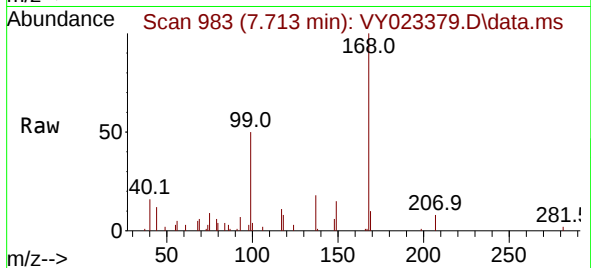




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023379.D  
Acq: 25 Sep 2025 17:16

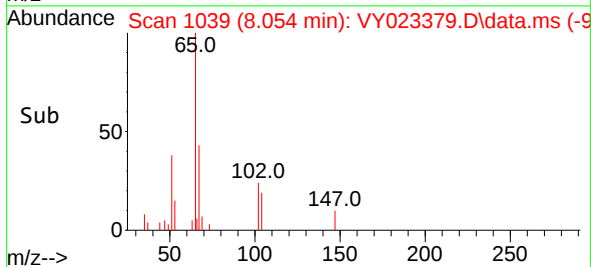
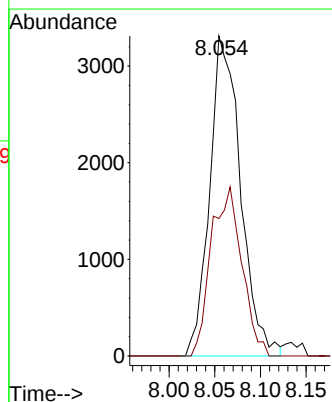
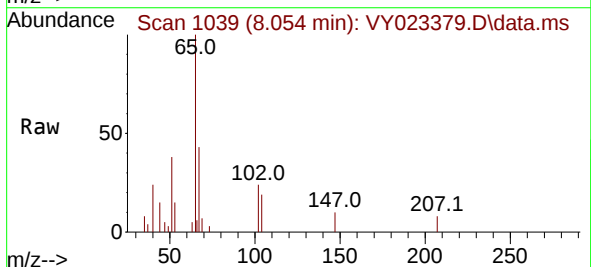
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-02-092525

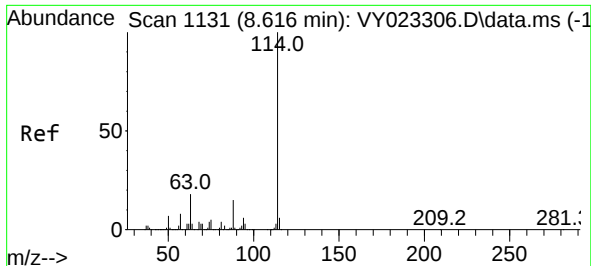
Tgt Ion:168 Resp: 12436  
Ion Ratio Lower Upper  
168 100  
99 50.3 42.8 64.2



#33  
1,2-Dichloroethane-d4  
Concen: 71.241 ug/l  
RT: 8.054 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY023379.D  
Acq: 25 Sep 2025 17:16

Tgt Ion: 65 Resp: 7785  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023379.D

Acq: 25 Sep 2025 17:16

Instrument :

MSVOA\_Y

ClientSampleId :

PL-02-092525

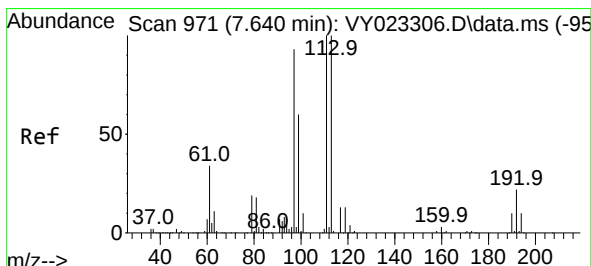
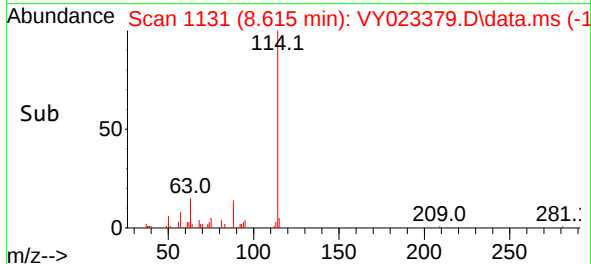
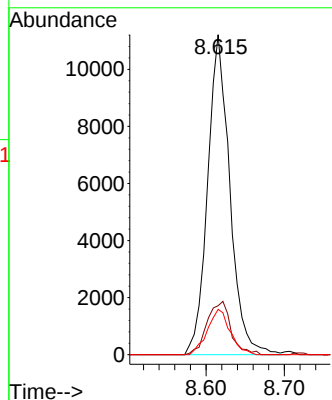
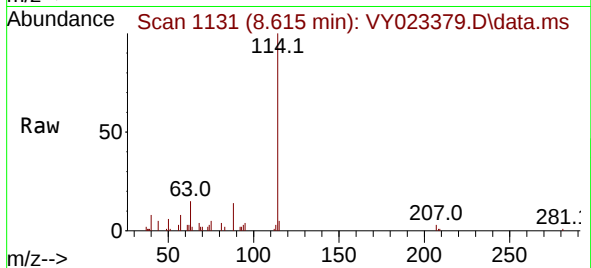
Tgt Ion:114 Resp: 22116

Ion Ratio Lower Upper

114 100

63 15.3 0.0 38.4

88 14.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 43.044 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023379.D

Acq: 25 Sep 2025 17:16

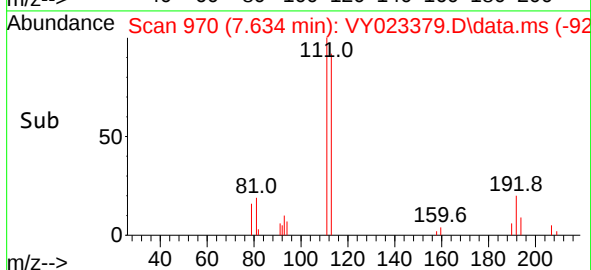
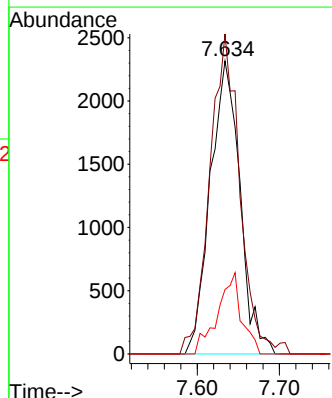
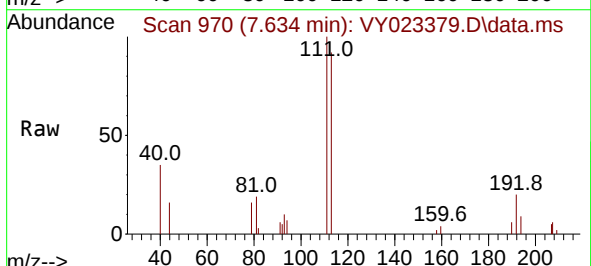
Tgt Ion:113 Resp: 5819

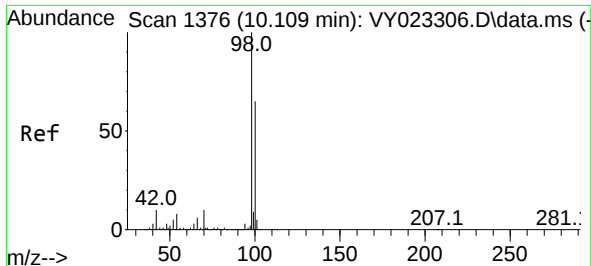
Ion Ratio Lower Upper

113 100

111 110.5 81.1 121.7

192 22.3 16.2 24.4

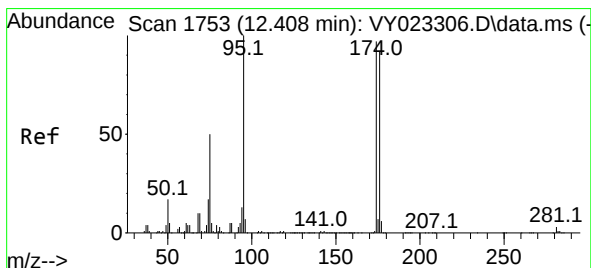
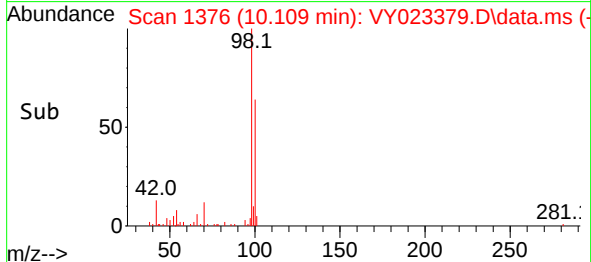
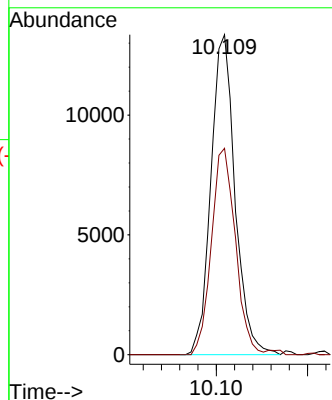
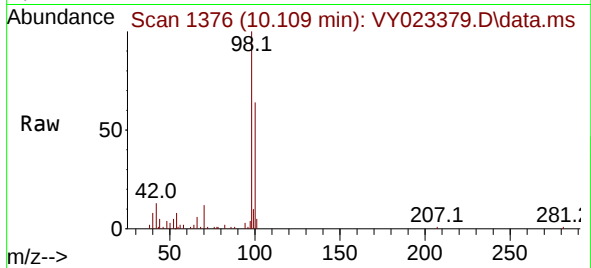




#50  
Toluene-d8  
Concen: 47.859 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023379.D  
Acq: 25 Sep 2025 17:16

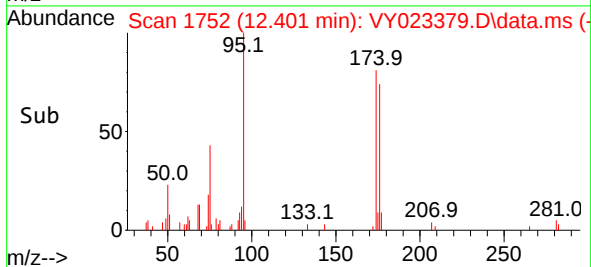
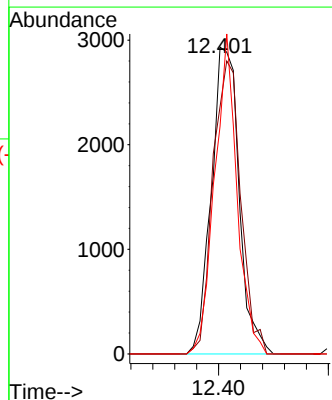
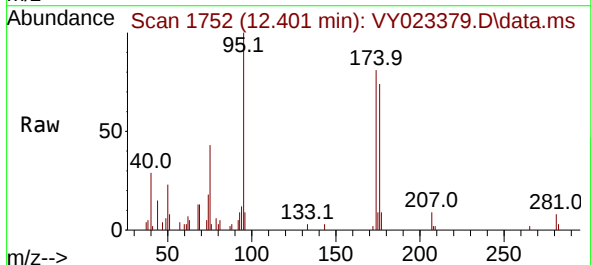
Instrument :  
MSVOA\_Y  
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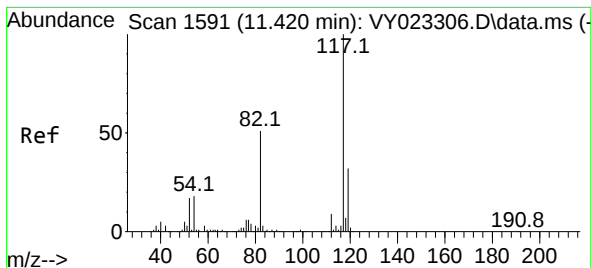
Tgt Ion: 98 Resp: 24431  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 31.996 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY023379.D  
Acq: 25 Sep 2025 17:16

Tgt Ion: 95 Resp: 5140  
Ion Ratio Lower Upper  
95 100  
174 96.1 0.0 171.6  
176 84.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023379.D

Acq: 25 Sep 2025 17:16

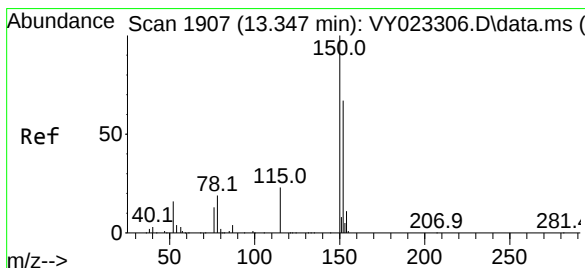
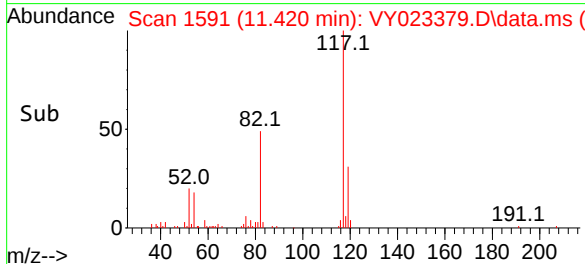
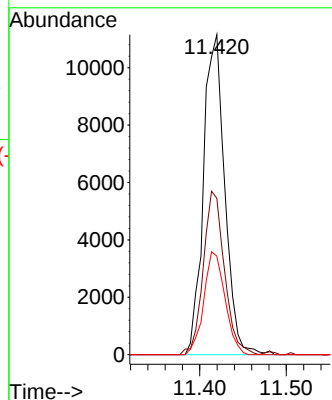
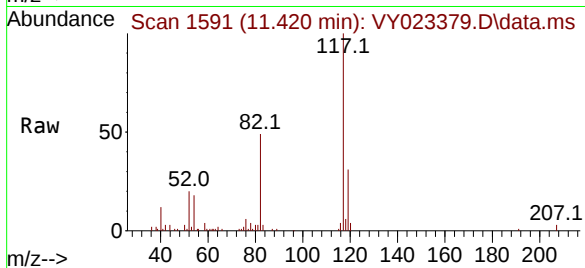
Instrument :

MSVOA\_Y

ClientSampleId :

PL-02-092525

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 19133       |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 48.8  | 43.4 65.0   |
| 119         | 30.8  | 25.6 38.4   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023379.D

Acq: 25 Sep 2025 17:16

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 3189        |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 59.9  | 28.2 84.6   |
| 150         | 174.9 | 0.0 348.0   |

