

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092525\  
 Data File : VY023371.D  
 Acq On : 25 Sep 2025 14:09  
 Operator : SY/MD  
 Sample : Q3189-01  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11989

Quant Time: Sep 25 16:30:30 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

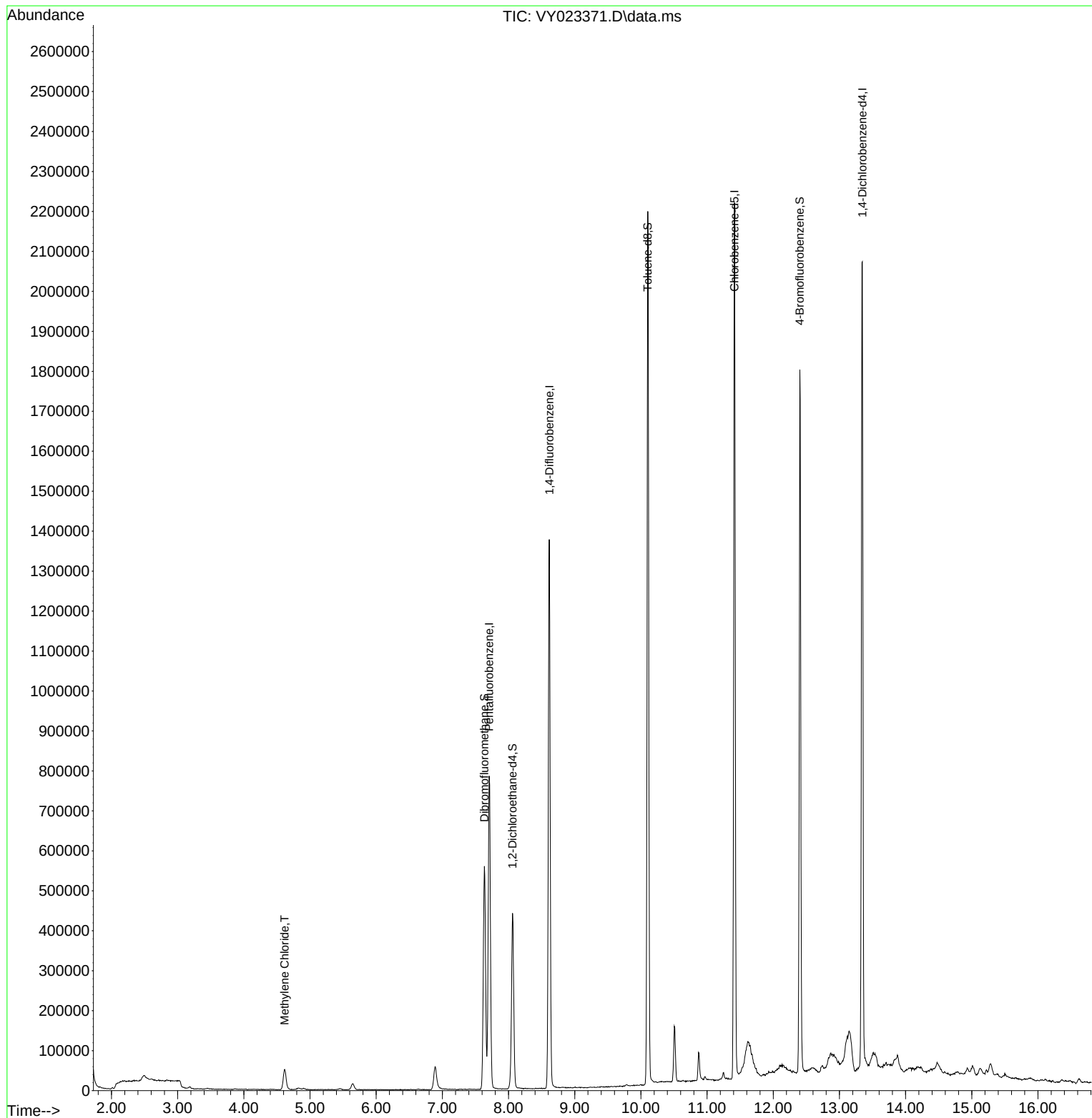
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 661640   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 1237268  | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 1215013  | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 562113   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 334646   | 57.559   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 115.120% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 398907   | 52.745   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 105.480% |
| 50) Toluene-d8              | 10.103 | 98    | 1459627  | 51.110   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 102.220% |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 511496   | 56.914   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 113.820% |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 20) Methylene Chloride      | 4.616  | 84    | 39861    | 5.626    | ug/l  | 91       |
| -----                       |        |       |          |          |       |          |

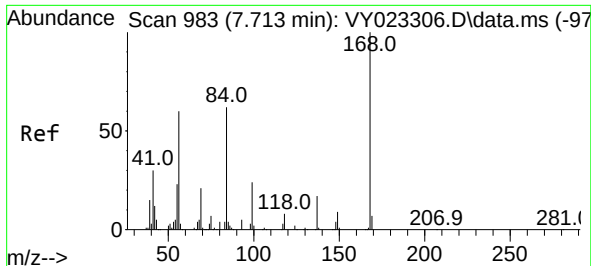
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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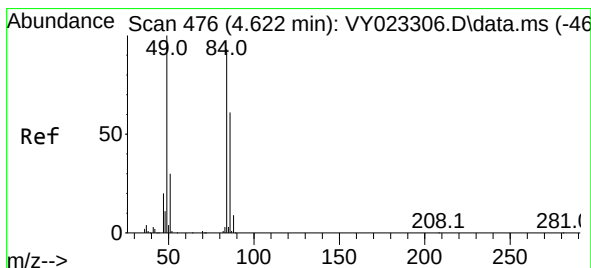
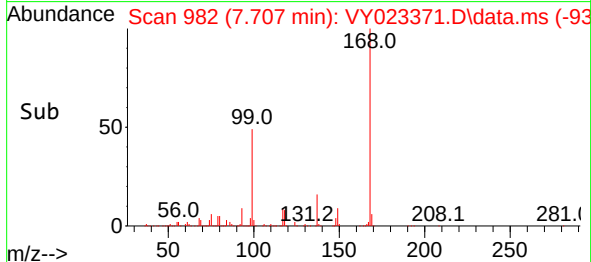
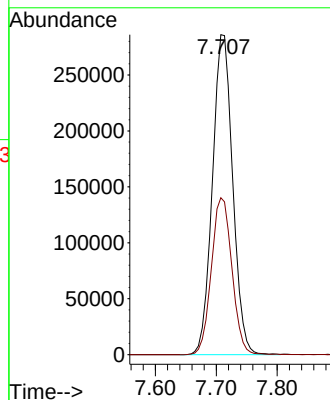
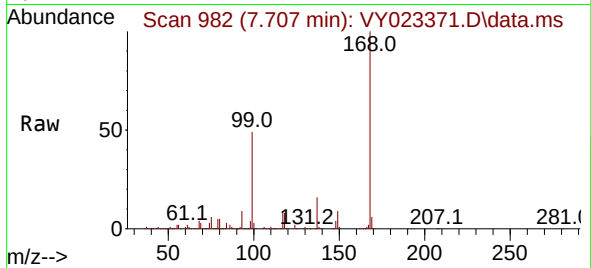




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY023371.D  
Acq: 25 Sep 2025 14:09

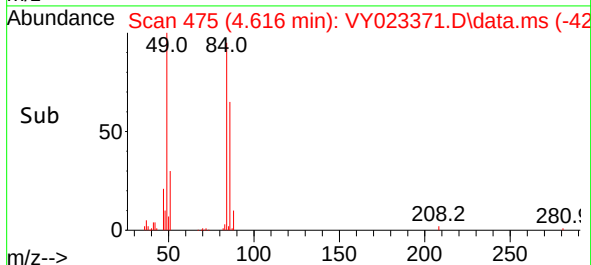
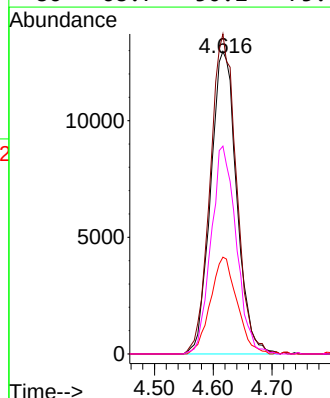
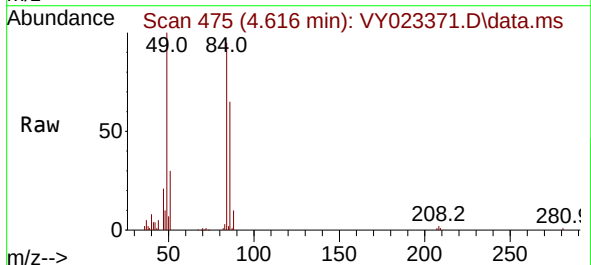
Instrument :  
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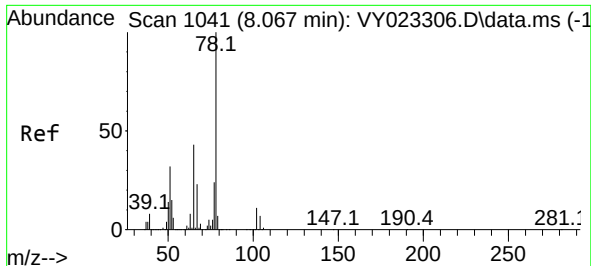
Tgt Ion:168 Resp: 661640  
Ion Ratio Lower Upper  
168 100  
99 49.1 42.8 64.2



#20  
Methylene Chloride  
Concen: 5.626 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.012 min  
Lab File: VY023371.D  
Acq: 25 Sep 2025 14:09

Tgt Ion: 84 Resp: 39861  
Ion Ratio Lower Upper  
84 100  
49 105.8 93.0 139.6  
51 32.0 29.0 43.4  
86 68.7 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 57.559 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023371.D

Acq: 25 Sep 2025 14:09

Instrument :

MSVOA\_Y

ClientSampleId :

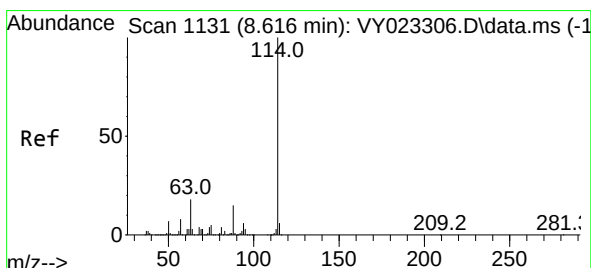
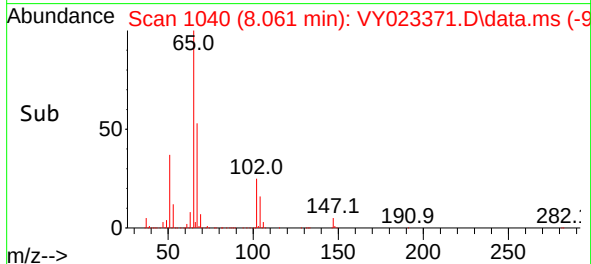
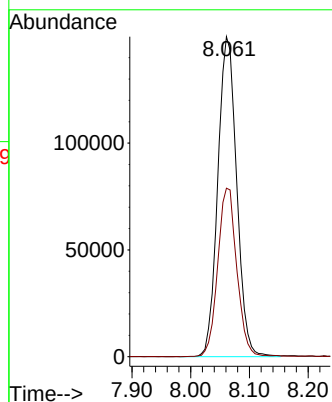
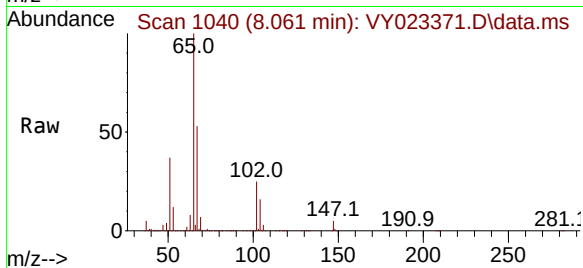
72-11989

Tgt Ion: 65 Resp: 334646

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023371.D

Acq: 25 Sep 2025 14:09

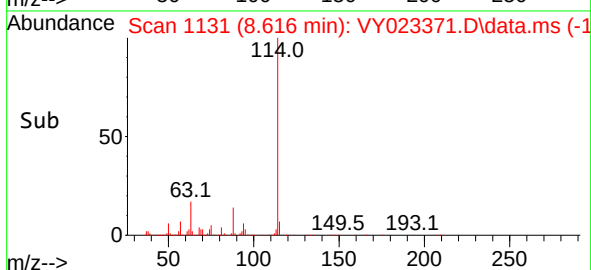
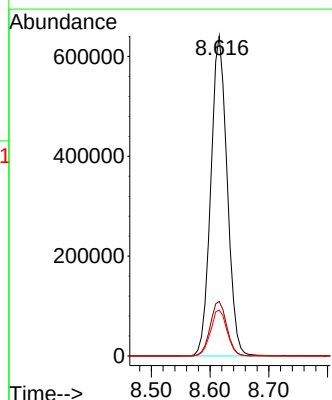
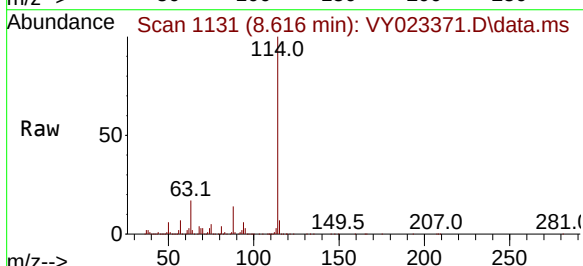
Tgt Ion: 114 Resp: 1237268

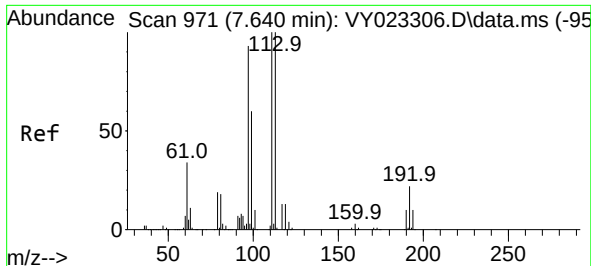
Ion Ratio Lower Upper

114 100

63 17.0 0.0 38.4

88 14.4 0.0 30.0

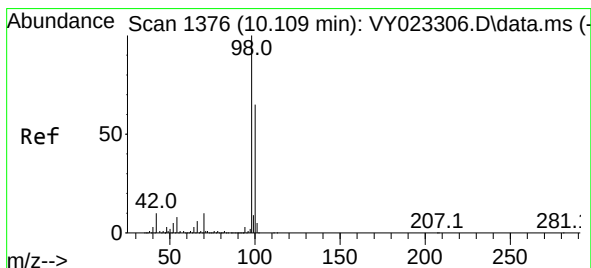
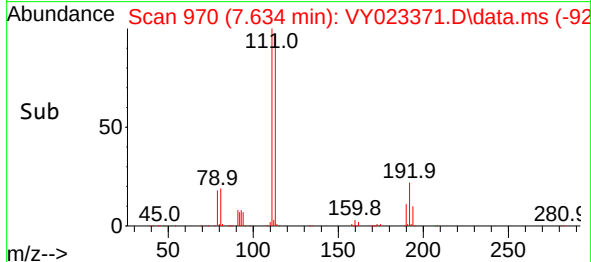
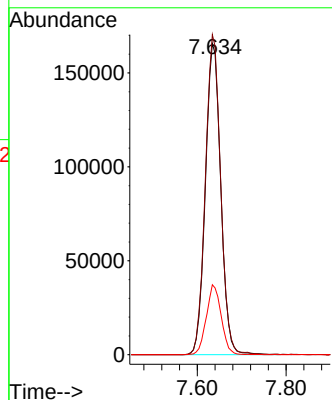
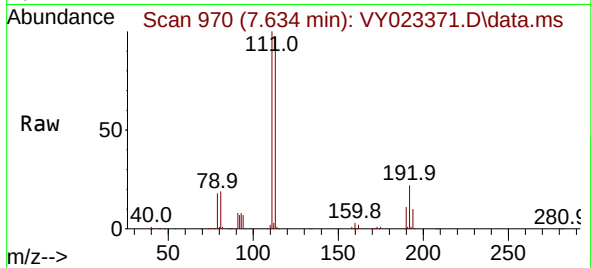




#35  
Dibromofluoromethane  
Concen: 52.745 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023371.D  
Acq: 25 Sep 2025 14:09

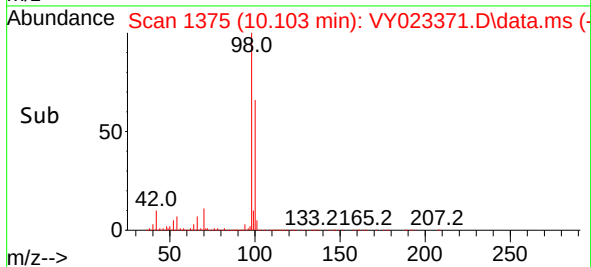
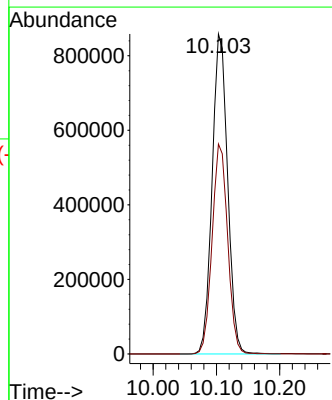
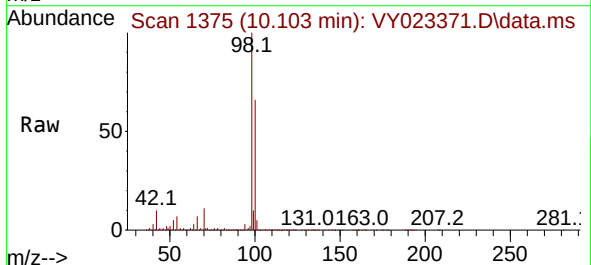
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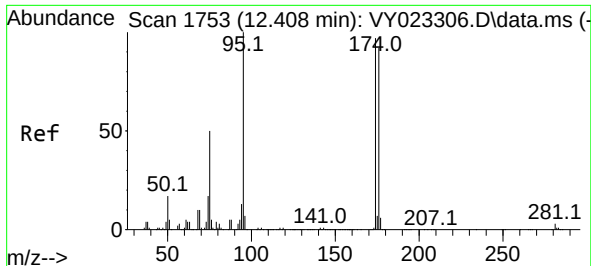
Tgt Ion:113 Resp: 398907  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.1 121.7  
192 21.8 16.2 24.4



#50  
Toluene-d8  
Concen: 51.110 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY023371.D  
Acq: 25 Sep 2025 14:09

Tgt Ion: 98 Resp: 1459627  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.3 78.5

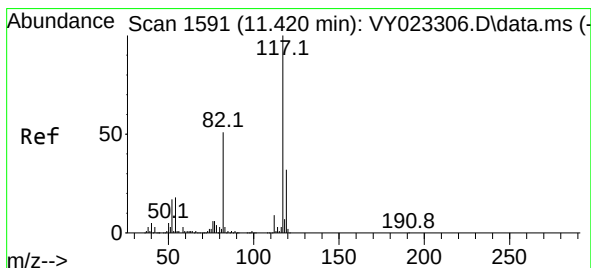
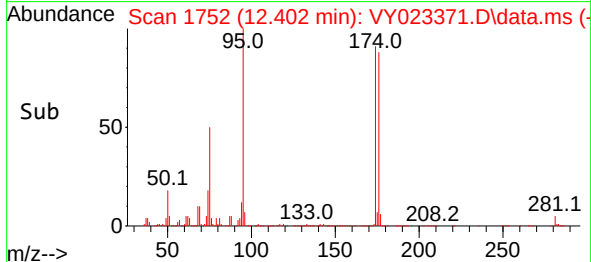
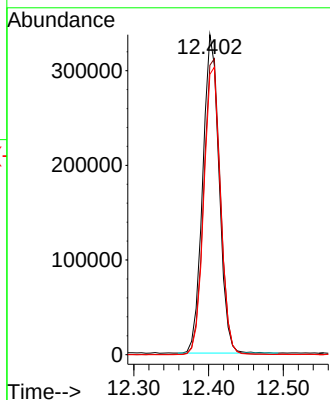
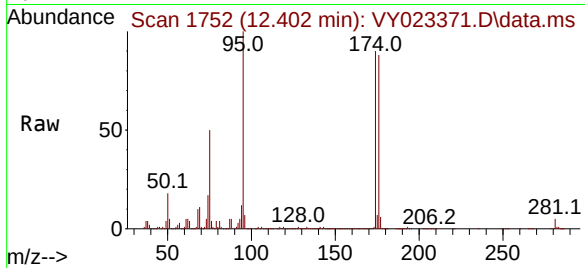




#62  
4-Bromofluorobenzene  
Concen: 56.914 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY023371.D  
Acq: 25 Sep 2025 14:09

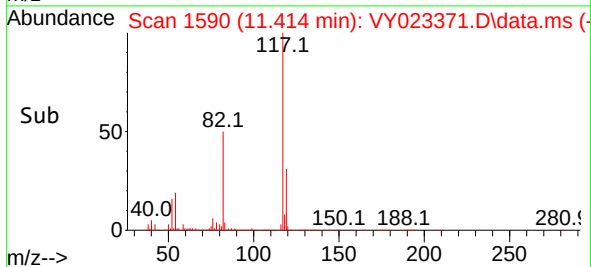
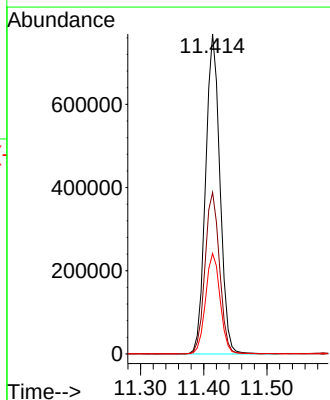
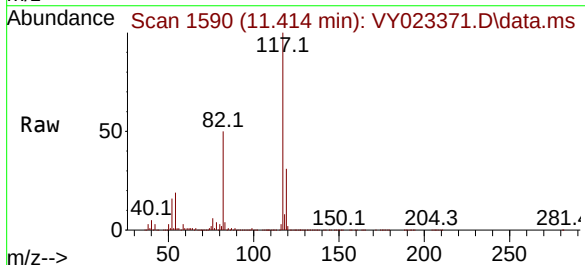
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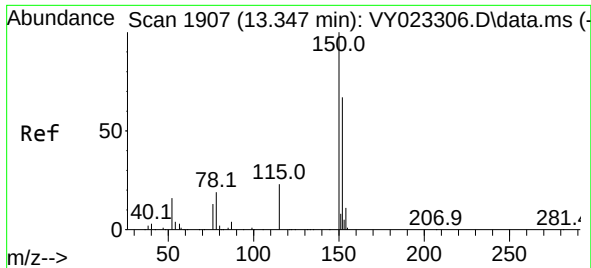
Tgt Ion: 95 Resp: 511496  
Ion Ratio Lower Upper  
95 100  
174 95.5 0.0 171.6  
176 92.2 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.006 min  
Lab File: VY023371.D  
Acq: 25 Sep 2025 14:09

Tgt Ion: 117 Resp: 1215013  
Ion Ratio Lower Upper  
117 100  
82 50.4 43.4 65.0  
119 31.4 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.347 min Scan# 1907  
 Delta R.T. 0.006 min  
 Lab File: VY023371.D  
 Acq: 25 Sep 2025 14:09

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11989

Tgt Ion:152 Resp: 562113  
 Ion Ratio Lower Upper  
 152 100  
 115 54.2 28.2 84.6  
 150 155.8 0.0 348.0

