

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081525\  
 Data File : VY023131.D  
 Acq On : 15 Aug 2025 17:33  
 Operator : SY/MD  
 Sample : Q2868-02  
 Misc : 5.18g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VOC

Quant Time: Aug 18 02:32:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 13 02:10:11 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.701  | 168  | 496911   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 931727   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 853505   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152  | 359140   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 276979   | 58.485   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 116.960% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 289457   | 51.919   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.840% |
| 50) Toluene-d8              | 10.103 | 98    | 1137267  | 52.217   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 104.440% |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 349218   | 49.857   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 99.720%  |

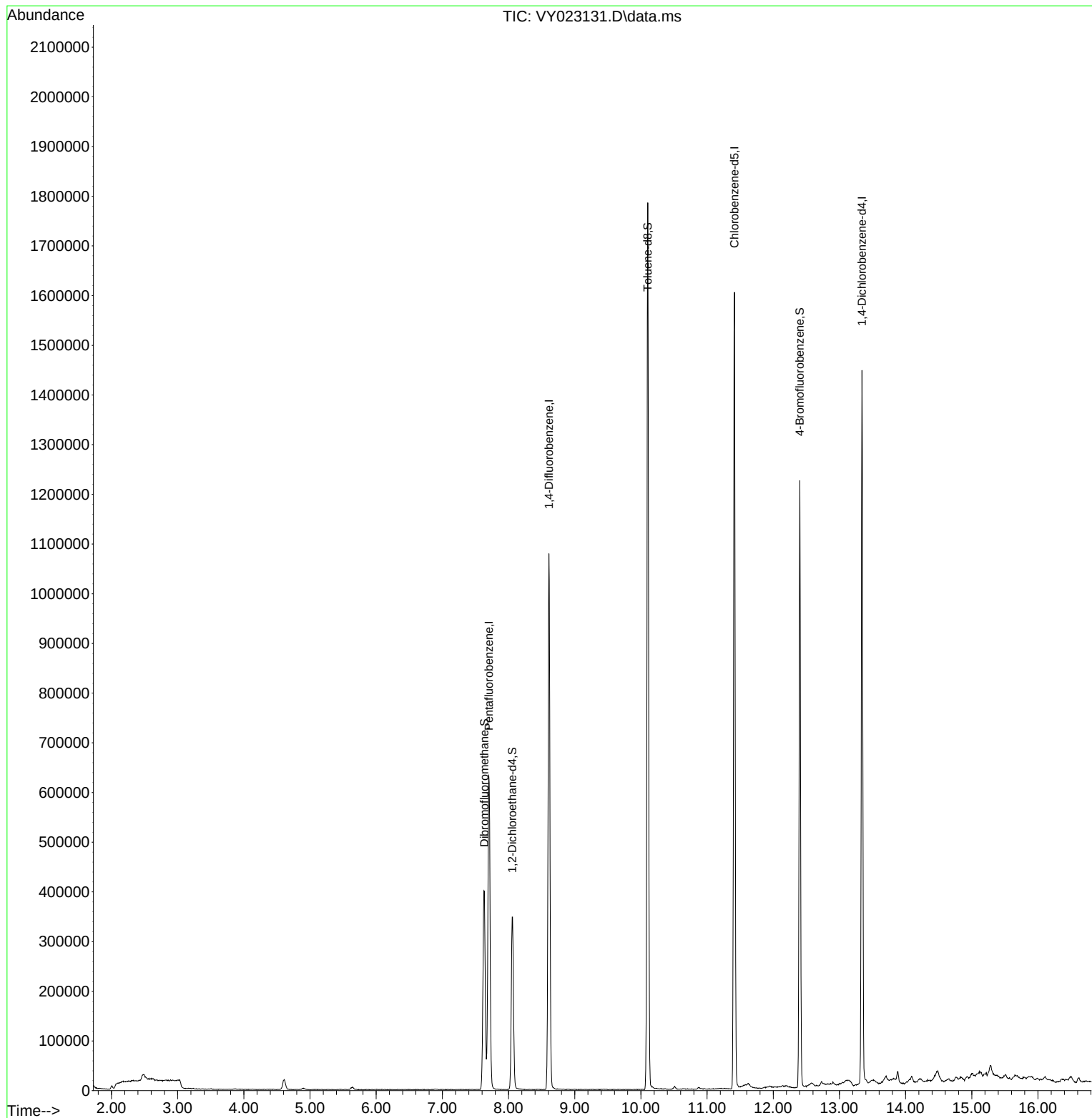
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

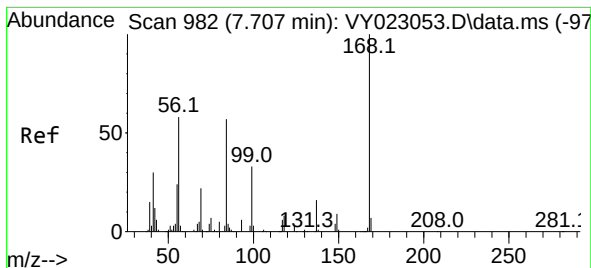
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 18 02:32:28 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 13 02:10:11 2025  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.701 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY023131.D

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Instrument :

MSVOA\_Y

ClientSampleId :

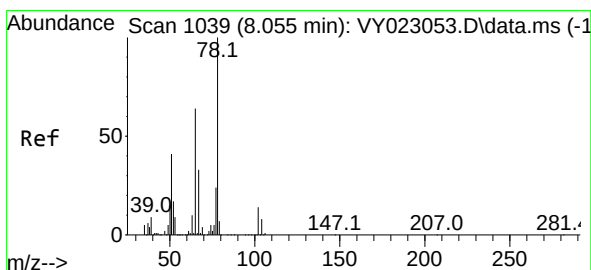
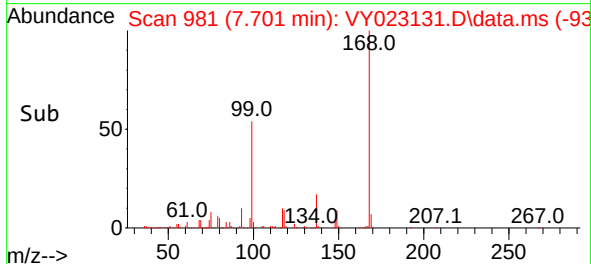
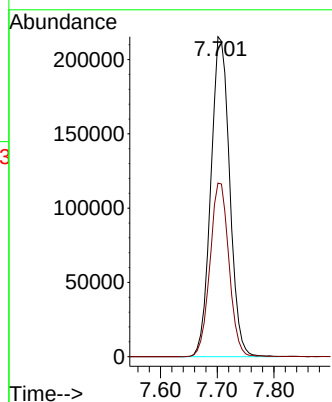
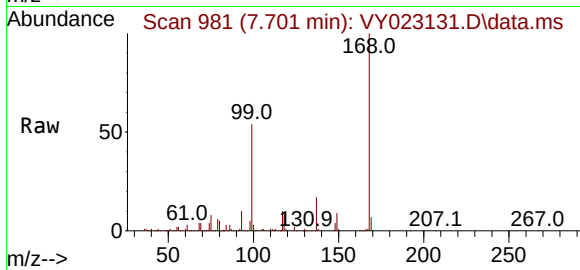
VOC

Tgt Ion:168 Resp: 496911

Ion Ratio Lower Upper

168 100

99 54.2 42.8 64.2



#33

1,2-Dichloroethane-d4

Concen: 58.485 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY023131.D

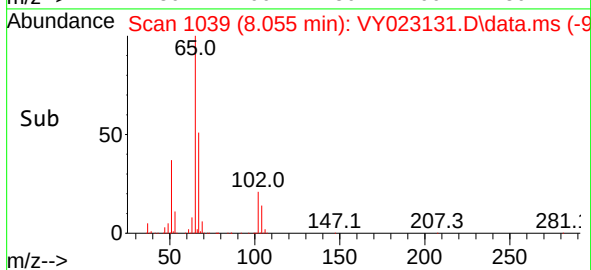
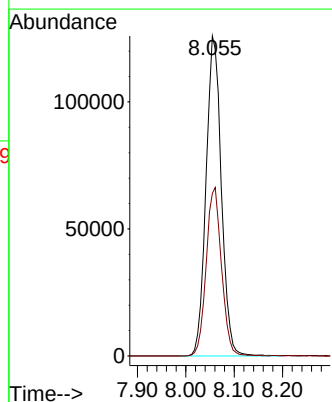
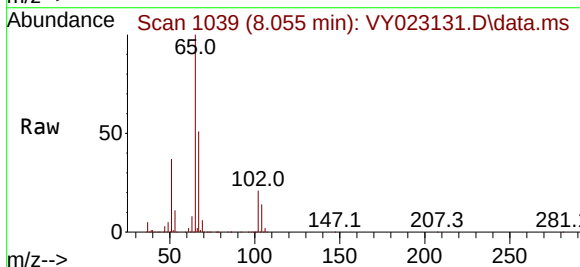
Acq: 15 Aug 2025 17:33

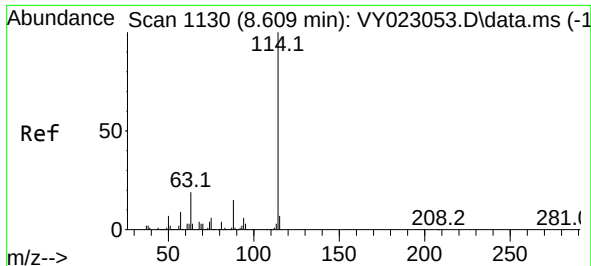
Tgt Ion: 65 Resp: 276979

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.8

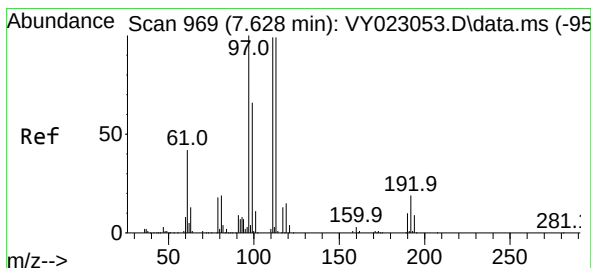
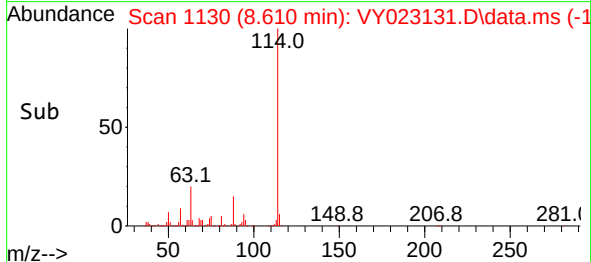
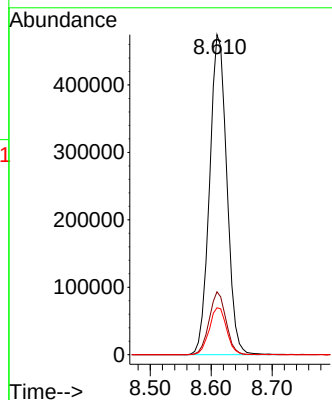
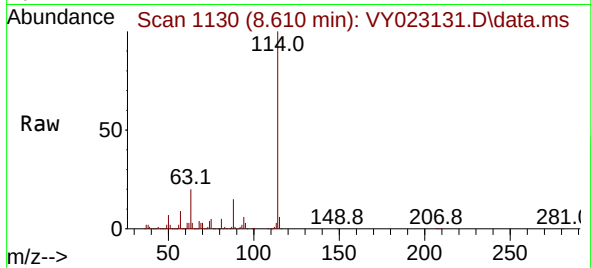




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.610 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VY023131.D  
Acq: 15 Aug 2025 17:33

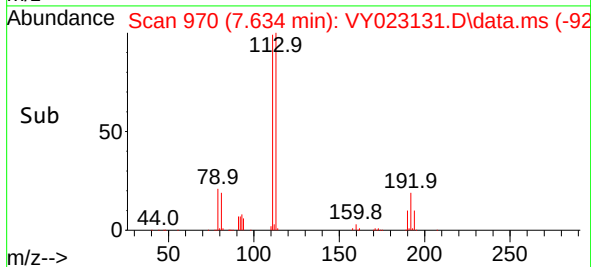
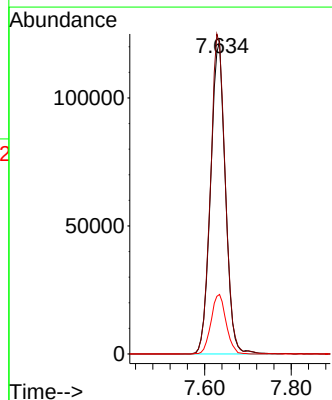
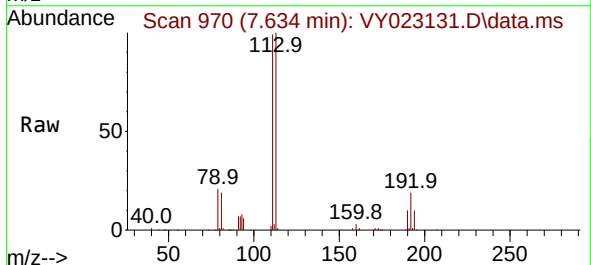
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC

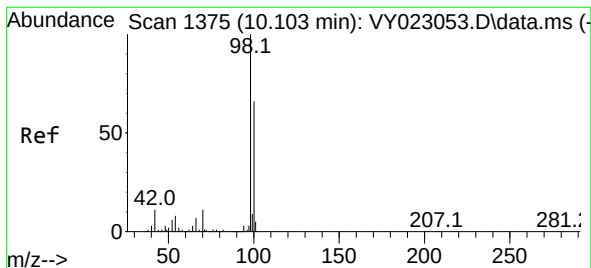
Tgt Ion:114 Resp: 931727  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 38.4  
88 14.6 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 51.919 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY023131.D  
Acq: 15 Aug 2025 17:33

Tgt Ion:113 Resp: 289457  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.1 121.7  
192 19.4 16.2 24.4

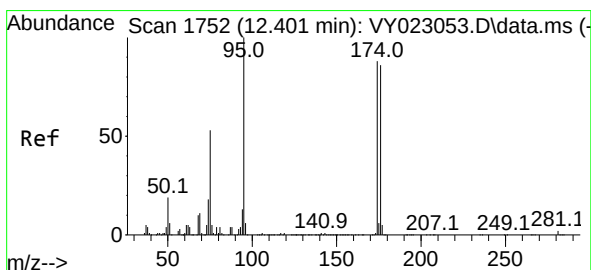
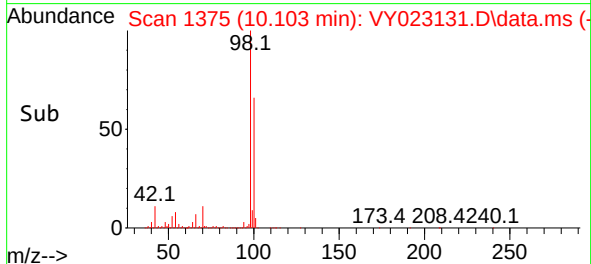
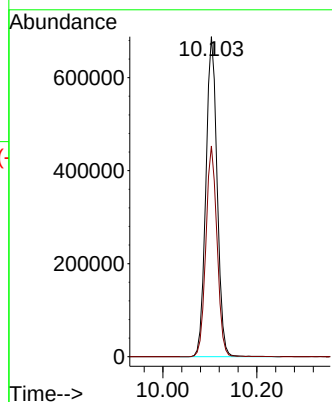
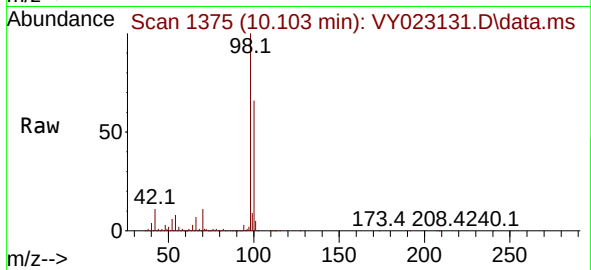




#50  
Toluene-d8  
Concen: 52.217 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY023131.D  
Acq: 15 Aug 2025 17:33

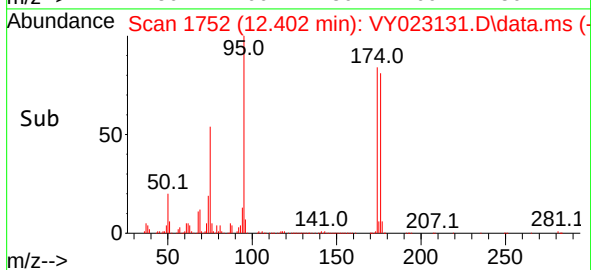
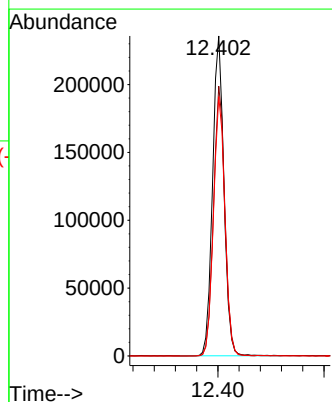
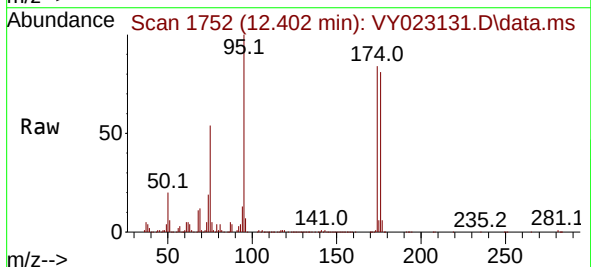
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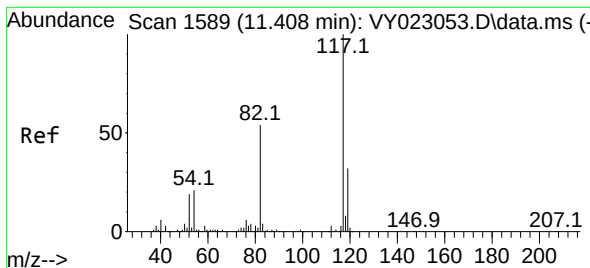
Tgt Ion: 98 Resp: 1137267  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 49.857 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY023131.D  
Acq: 15 Aug 2025 17:33

Tgt Ion: 95 Resp: 349218  
Ion Ratio Lower Upper  
95 100  
174 84.9 0.0 171.6  
176 81.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023131.D

Acq: 15 Aug 2025 17:33

Instrument :

MSVOA\_Y

ClientSampleId :

VOC

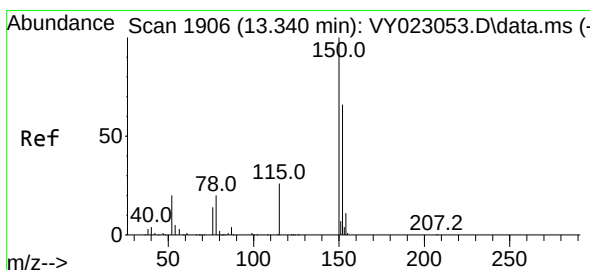
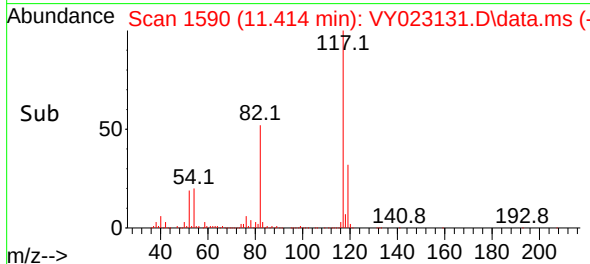
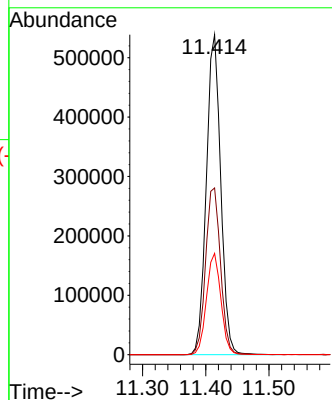
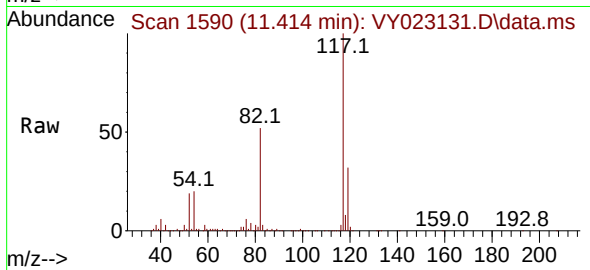
Tgt Ion:117 Resp: 853505

Ion Ratio Lower Upper

117 100

82 52.1 43.4 65.0

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023131.D

Acq: 15 Aug 2025 17:33

Tgt Ion:152 Resp: 359140

Ion Ratio Lower Upper

152 100

115 57.5 28.2 84.6

150 156.6 0.0 348.0

