

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082025\  
 Data File : VY023166.D  
 Acq On : 20 Aug 2025 11:27  
 Operator : SY/MD  
 Sample : Q2879-03  
 Misc : 3.60g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-TS-GRILLO-TSCP04-081425

Quant Time: Aug 20 11:58:24 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      | 7.713  | 168  | 539019   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 995282   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 798711   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 234966   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 275365   | 53.602   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.200% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 311698   | 52.338   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.680% |
| 50) Toluene-d8              | 10.109 | 98    | 1169704  | 50.276   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.560% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 317312   | 42.409   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 84.820%  |

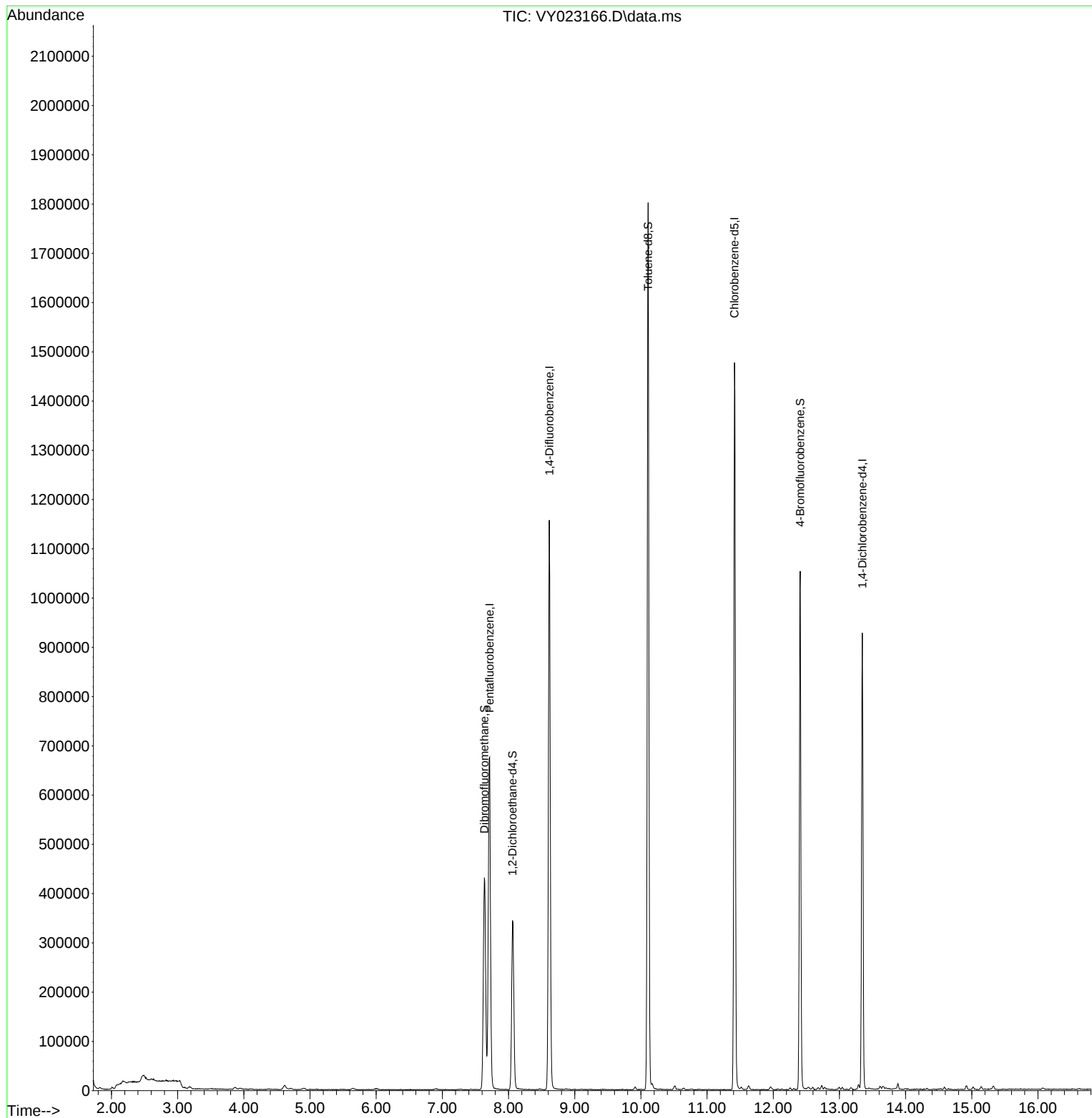
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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OU4-TS-GRILLO-TSCP04-081425

Quant Time: Aug 20 11:58:24 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

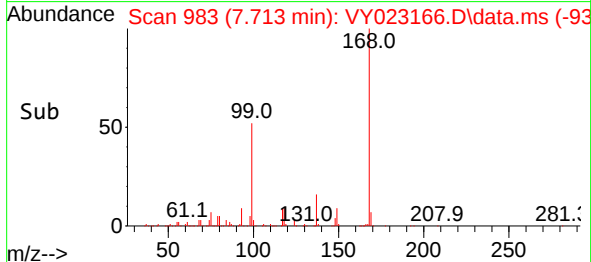
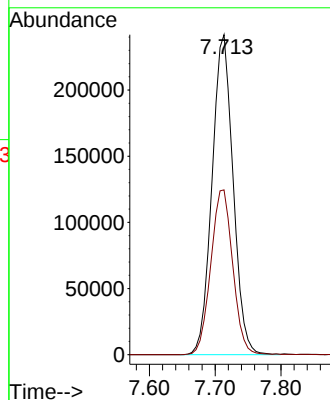
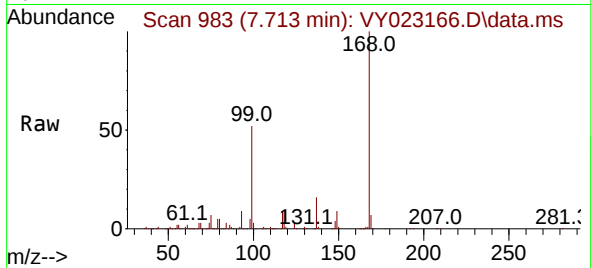




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023166.D  
Acq: 20 Aug 2025 11:27

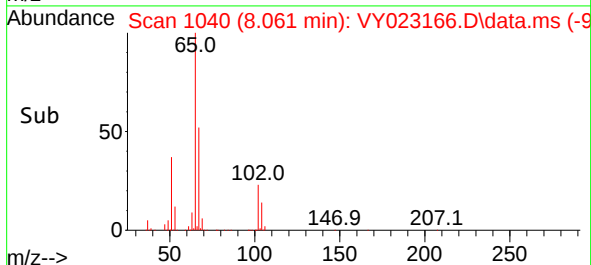
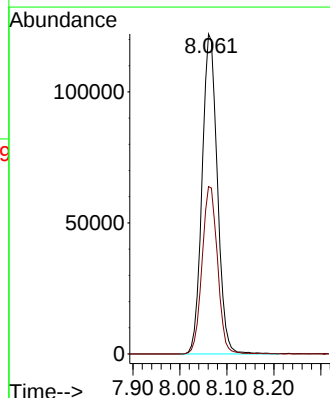
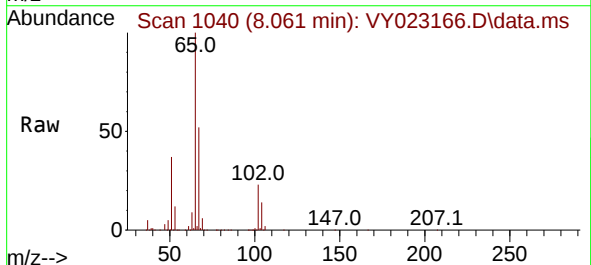
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP04-081425

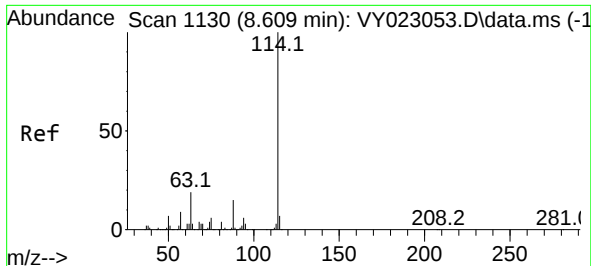
Tgt Ion:168 Resp: 539019  
Ion Ratio Lower Upper  
168 100  
99 51.5 42.8 64.2



#33  
1,2-Dichloroethane-d4  
Concen: 53.602 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VY023166.D  
Acq: 20 Aug 2025 11:27

Tgt Ion: 65 Resp: 275365  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 106.8

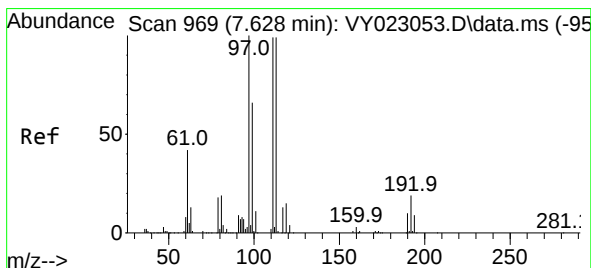
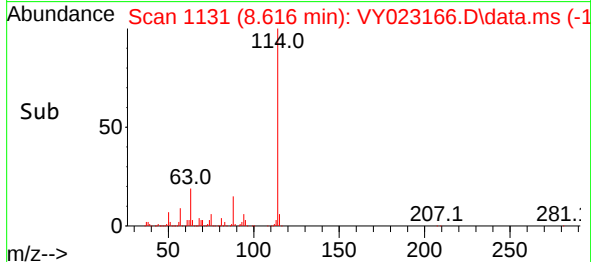
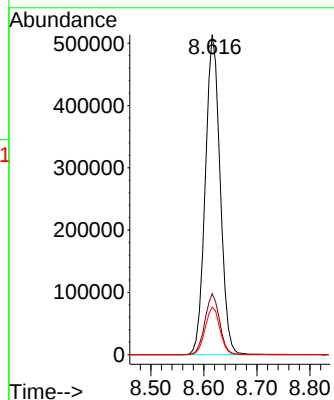
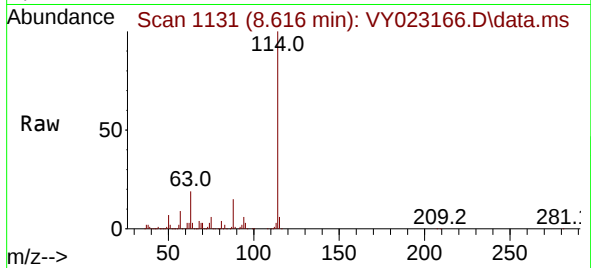




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.006 min  
Lab File: VY023166.D  
Acq: 20 Aug 2025 11:27

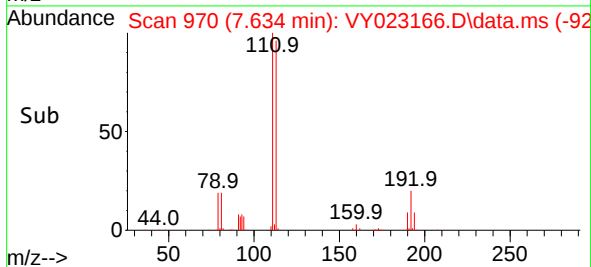
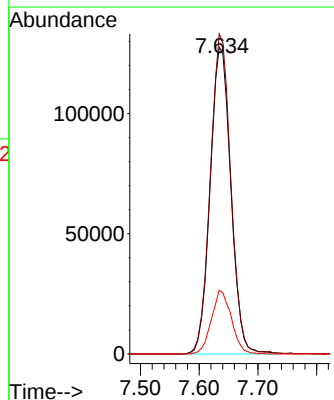
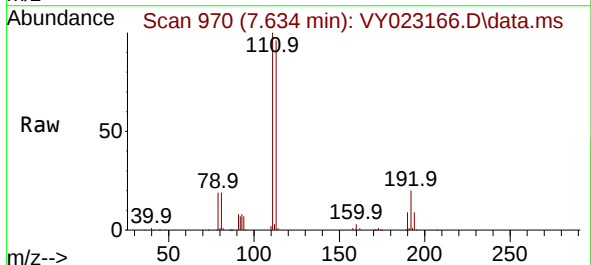
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:114 Resp: 995282  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 38.4  
88 14.9 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 52.338 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY023166.D  
Acq: 20 Aug 2025 11:27

Tgt Ion:113 Resp: 311698  
Ion Ratio Lower Upper  
113 100  
111 103.6 81.1 121.7  
192 20.0 16.2 24.4

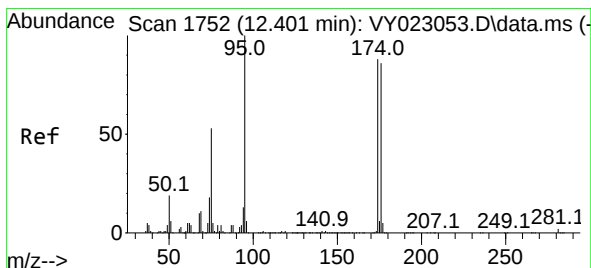
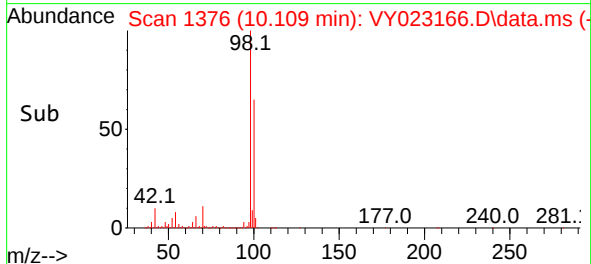
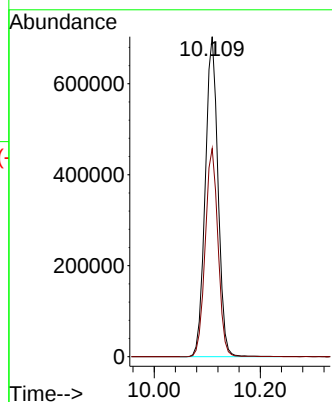
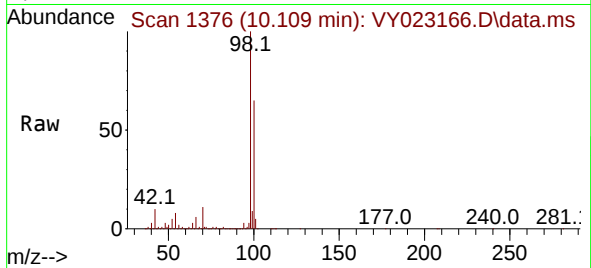




#50  
Toluene-d8  
Concen: 50.276 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023166.D  
Acq: 20 Aug 2025 11:27

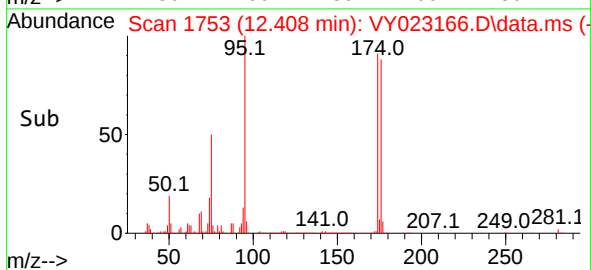
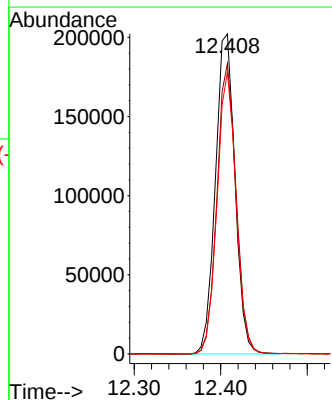
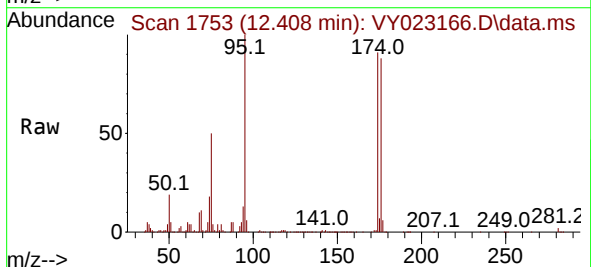
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP04-081425

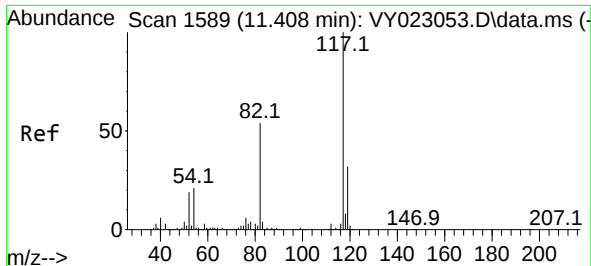
Tgt Ion: 98 Resp: 1169704  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 42.409 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023166.D  
Acq: 20 Aug 2025 11:27

Tgt Ion: 95 Resp: 317312  
Ion Ratio Lower Upper  
95 100  
174 89.3 0.0 171.6  
176 85.7 0.0 167.6

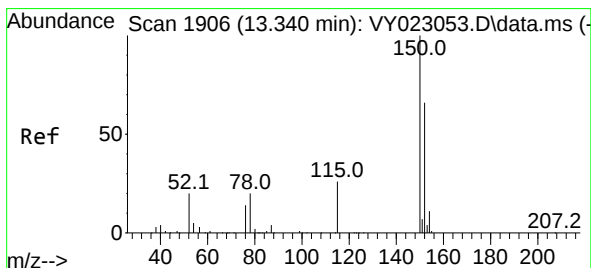
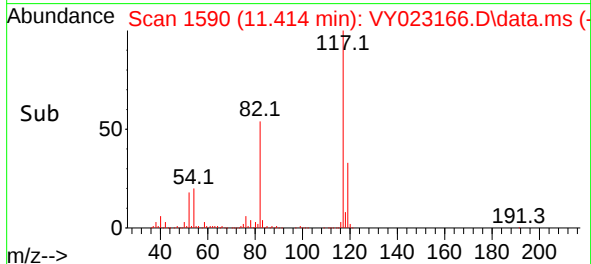
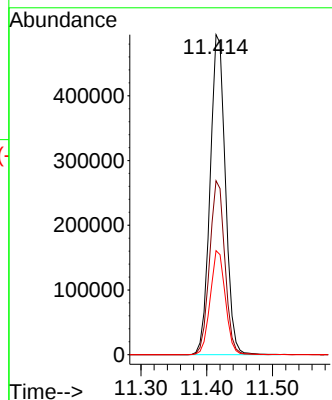
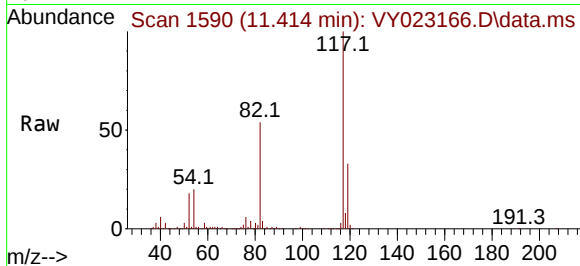




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023166.D  
Acq: 20 Aug 2025 11:27

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP04-081425

Tgt Ion:117 Resp: 798711  
Ion Ratio Lower Upper  
117 100  
82 54.4 43.4 65.0  
119 32.5 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: VY023166.D  
Acq: 20 Aug 2025 11:27

Tgt Ion:152 Resp: 234966  
Ion Ratio Lower Upper  
152 100  
115 57.3 28.2 84.6  
150 159.3 0.0 348.0

