

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090525\  
 Data File : VY023295.D  
 Acq On : 05 Sep 2025 12:25  
 Operator : SY/MD  
 Sample : Q3026-01  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-02-09042025

Quant Time: Sep 06 01:55:30 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      | 7.707  | 168  | 389844   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 699171   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 634514   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 274005   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 200509   | 53.966   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.940% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 232440   | 55.560   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 111.120% |
| 50) Toluene-d8              | 10.103 | 98    | 831418   | 50.871   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 101.740% |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 257236   | 48.941   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 97.880%  |

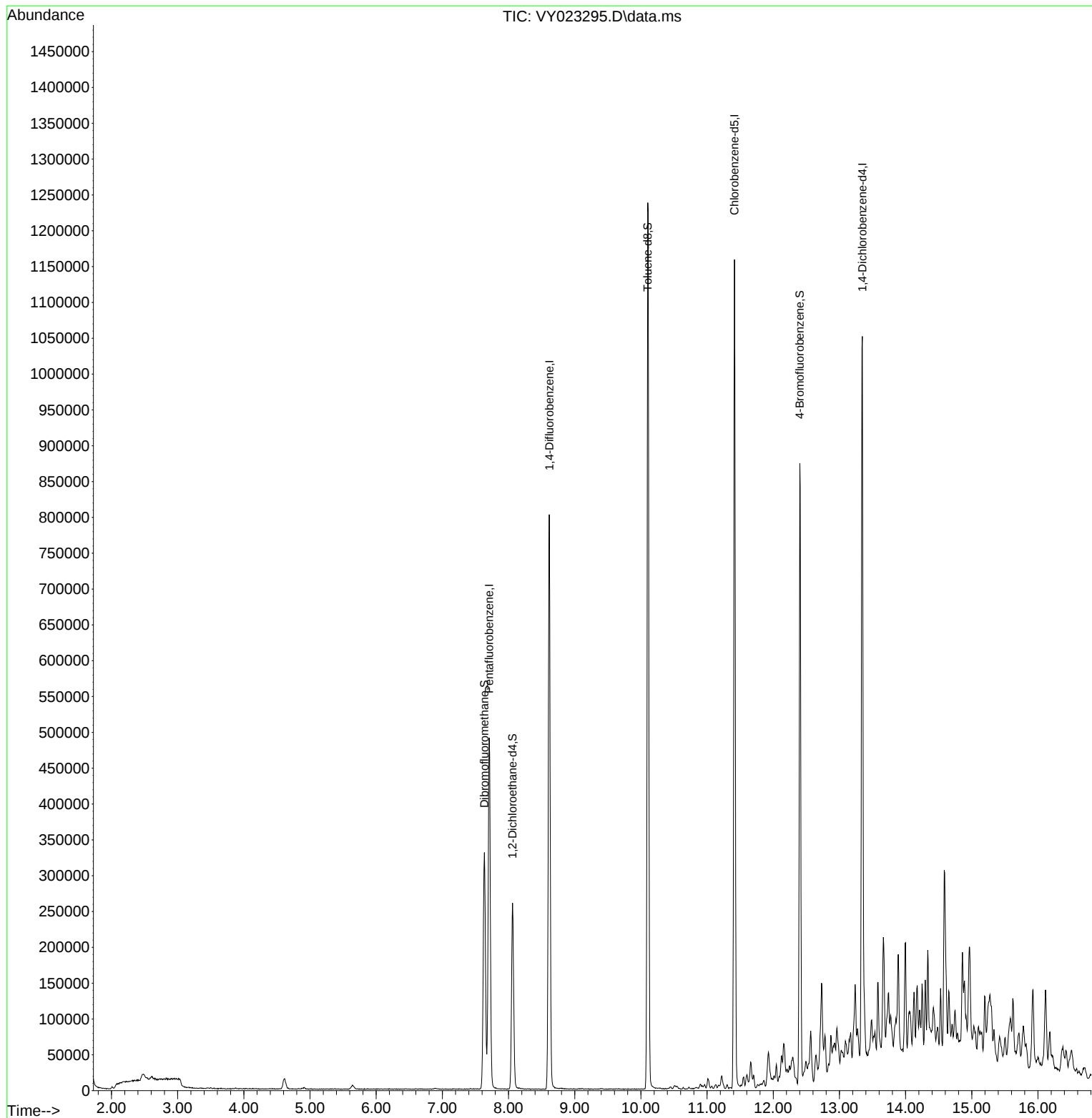
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

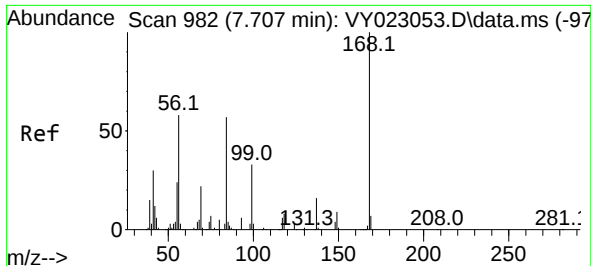
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EO-02-09042025

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Quant Title : SW846 8260  
QLast Update : Wed Aug 13 02:10:11 2025  
Response via : Initial Calibration

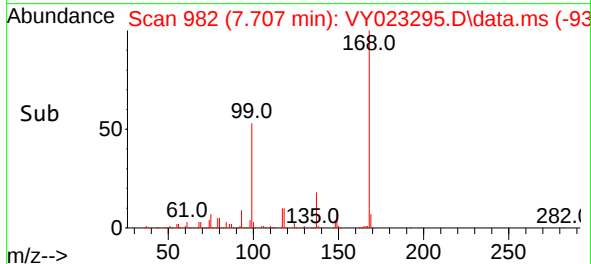
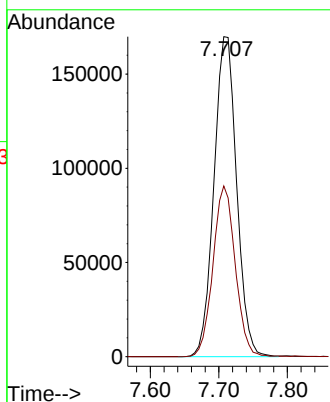
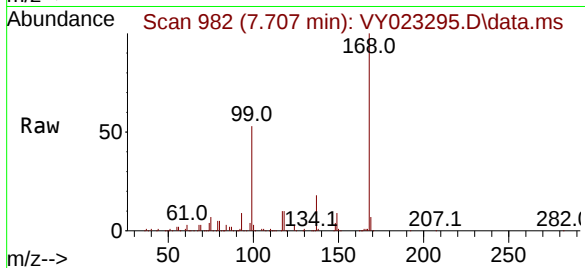




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY023295.D  
Acq: 05 Sep 2025 12:25

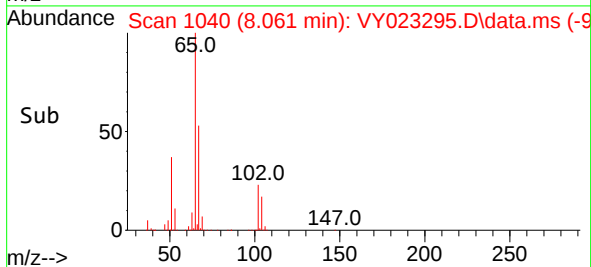
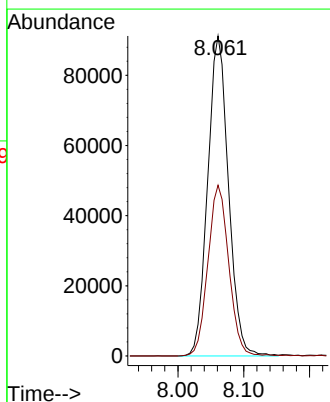
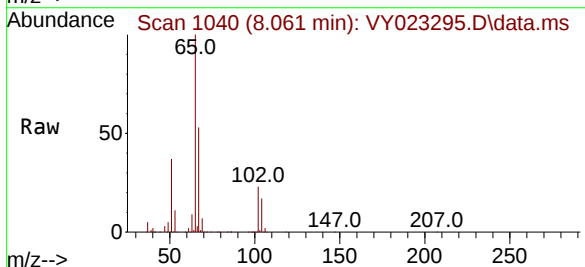
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-09042025

Tgt Ion:168 Resp: 389844  
Ion Ratio Lower Upper  
168 100  
99 53.3 42.8 64.2



#33  
1,2-Dichloroethane-d4  
Concen: 53.966 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VY023295.D  
Acq: 05 Sep 2025 12:25

Tgt Ion: 65 Resp: 200509  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 106.8

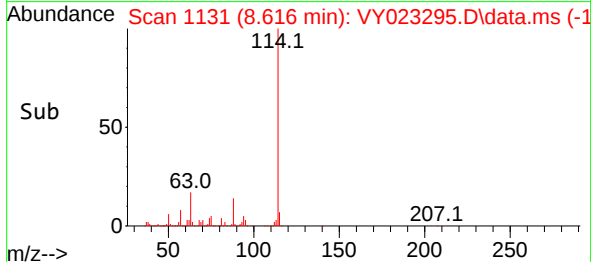
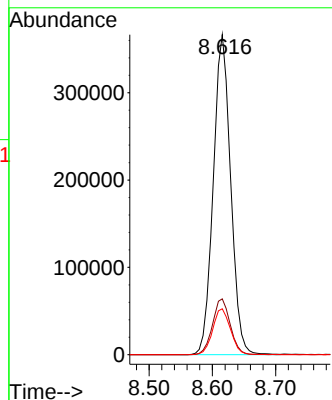
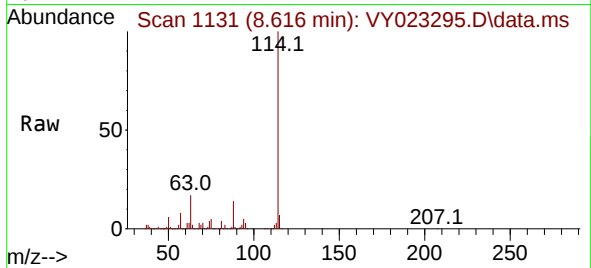




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VY023295.D  
Acq: 05 Sep 2025 12:25

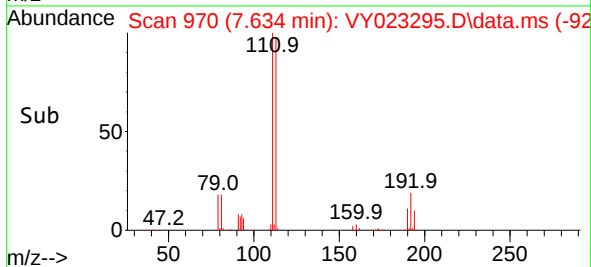
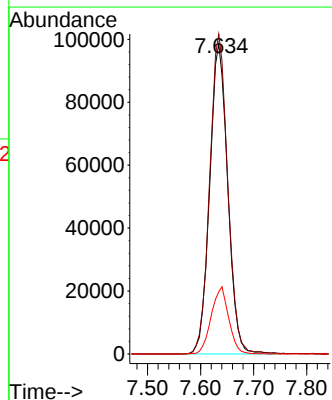
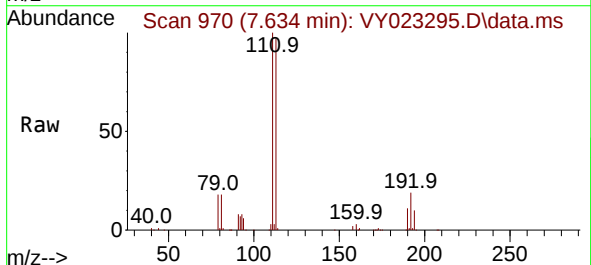
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-09042025

Tgt Ion:114 Resp: 699171  
Ion Ratio Lower Upper  
114 100  
63 17.5 0.0 38.4  
88 14.4 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 55.560 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY023295.D  
Acq: 05 Sep 2025 12:25

Tgt Ion:113 Resp: 232440  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.1 121.7  
192 21.0 16.2 24.4

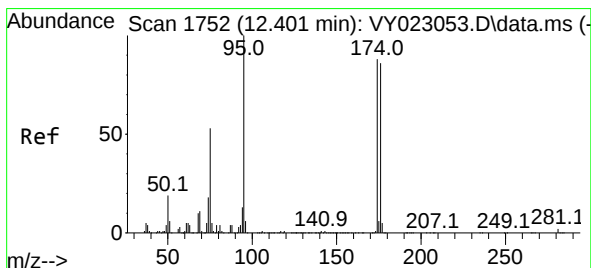
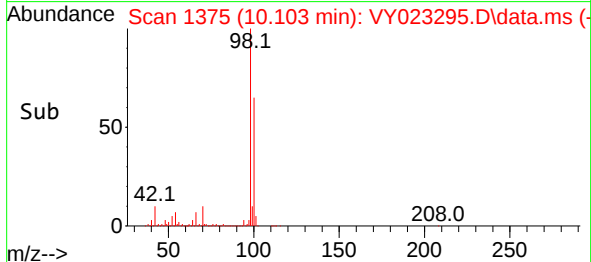
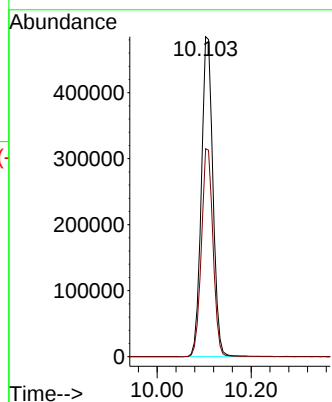
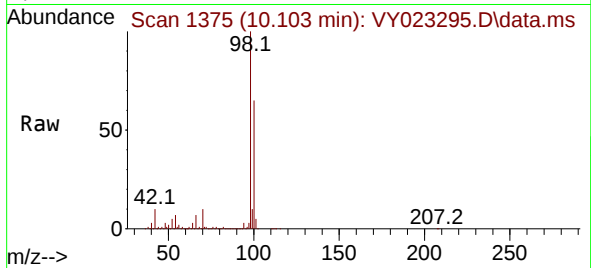




#50  
Toluene-d8  
Concen: 50.871 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY023295.D  
Acq: 05 Sep 2025 12:25

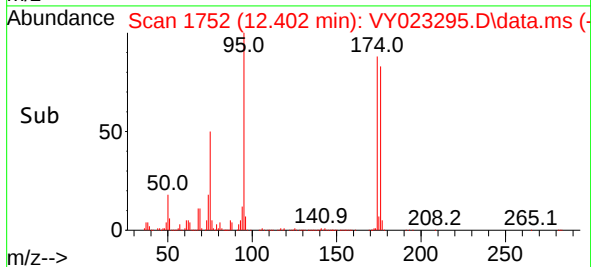
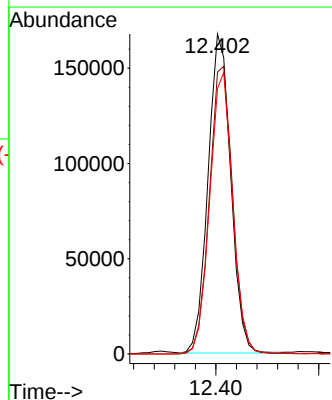
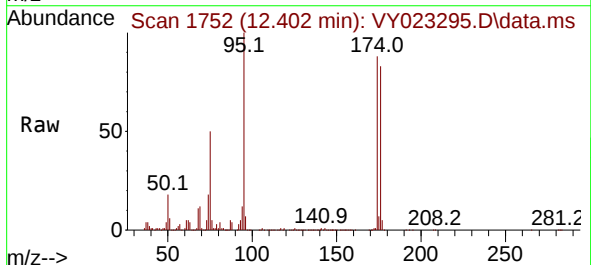
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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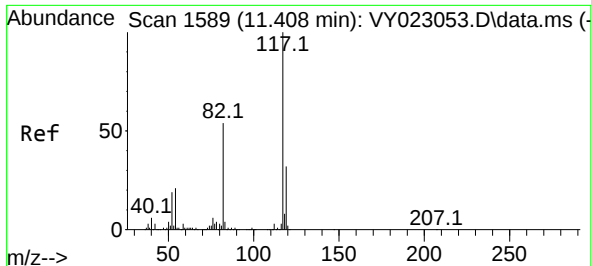
Tgt Ion: 98 Resp: 831418  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 48.941 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY023295.D  
Acq: 05 Sep 2025 12:25

Tgt Ion: 95 Resp: 257236  
Ion Ratio Lower Upper  
95 100  
174 92.5 0.0 171.6  
176 89.1 0.0 167.6

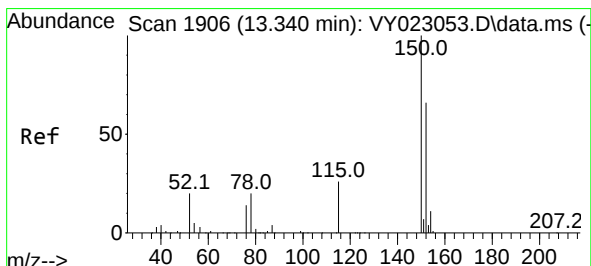
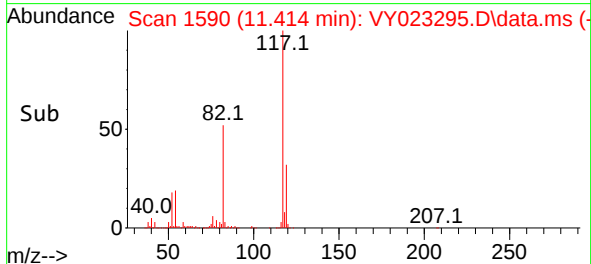
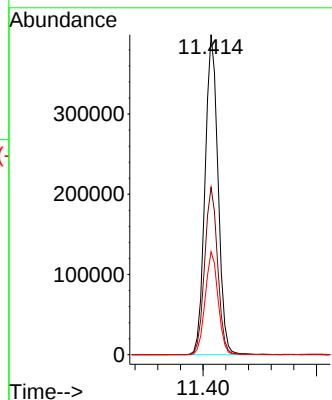
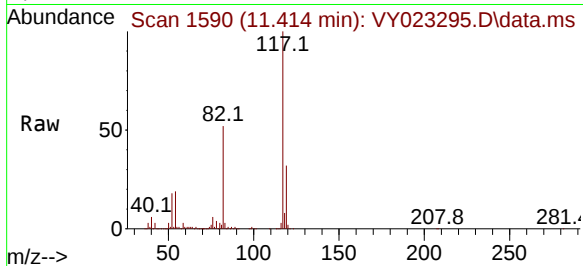




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023295.D  
Acq: 05 Sep 2025 12:25

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-02-09042025

Tgt Ion:117 Resp: 634514  
Ion Ratio Lower Upper  
117 100  
82 52.2 43.4 65.0  
119 32.1 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: VY023295.D  
Acq: 05 Sep 2025 12:25

Tgt Ion:152 Resp: 274005  
Ion Ratio Lower Upper  
152 100  
115 56.1 28.2 84.6  
150 157.5 0.0 348.0

