

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102825\  
 Data File : VY023603.D  
 Acq On : 28 Oct 2025 11:26  
 Operator : SY/MD  
 Sample : Q3474-02  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VOC

Quant Time: Oct 29 06:23:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 624082   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 1042505  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 846455   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 305015   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 303500   | 58.157   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 116.320% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 337286   | 52.654   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.300% |
| 50) Toluene-d8              | 10.109 | 98    | 1165866  | 48.872   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 97.740%  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 299946   | 38.084   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 76.160%  |

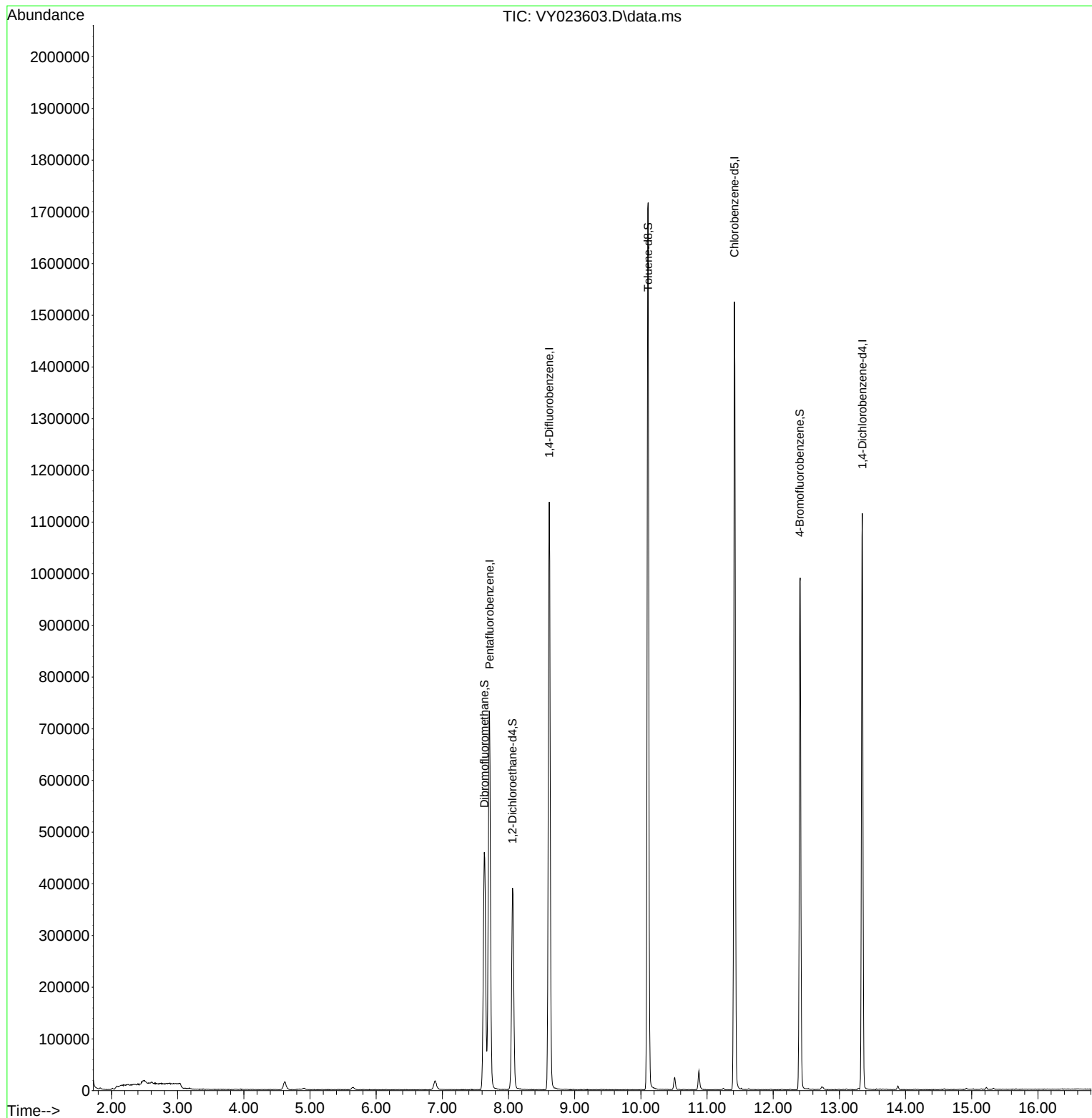
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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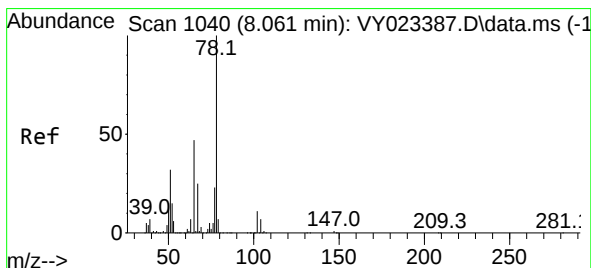
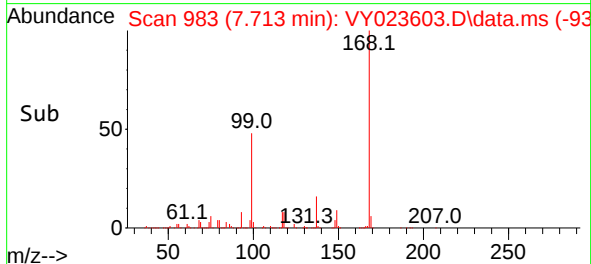
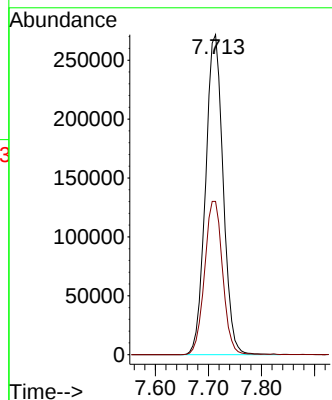
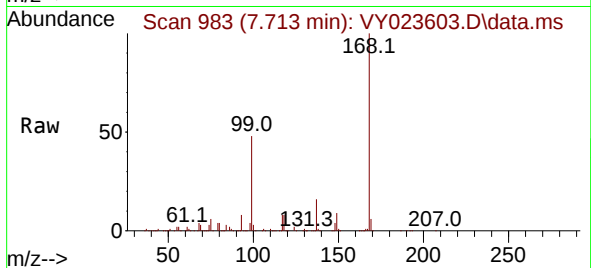




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY023603.D  
Acq: 28 Oct 2025 11:26

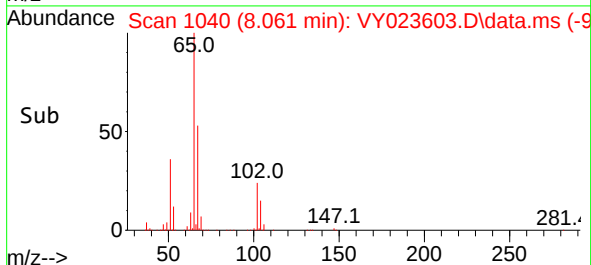
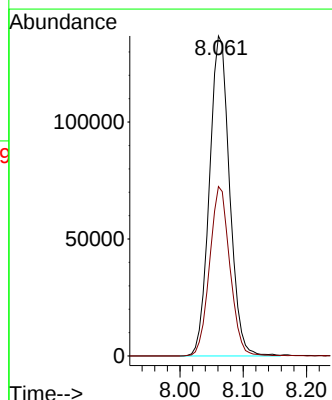
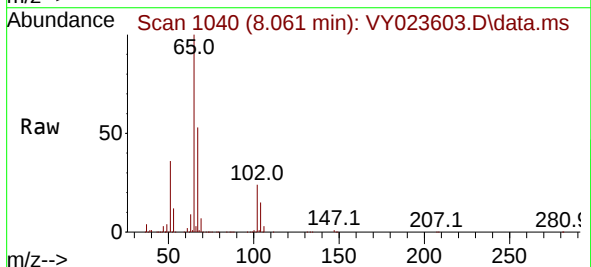
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC

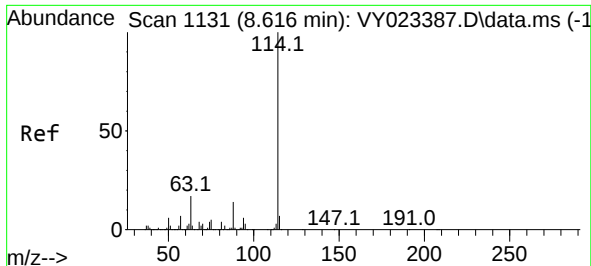
Tgt Ion:168 Resp: 624082  
Ion Ratio Lower Upper  
168 100  
99 47.9 39.7 59.5



#33  
1,2-Dichloroethane-d4  
Concen: 58.157 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY023603.D  
Acq: 28 Oct 2025 11:26

Tgt Ion: 65 Resp: 303500  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.8

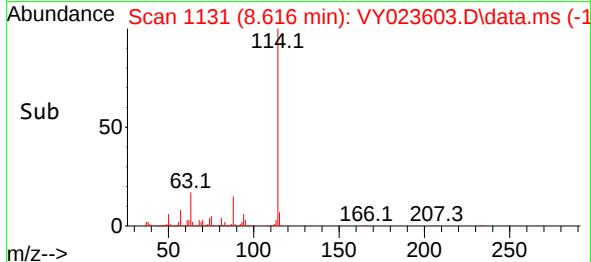
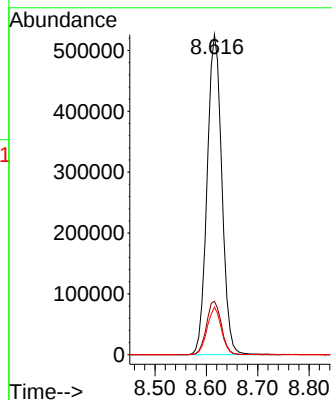
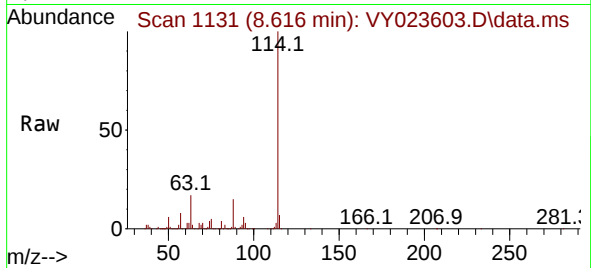




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY023603.D  
Acq: 28 Oct 2025 11:26

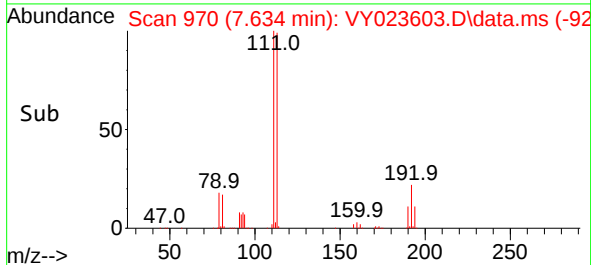
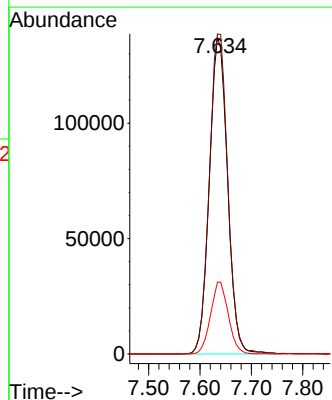
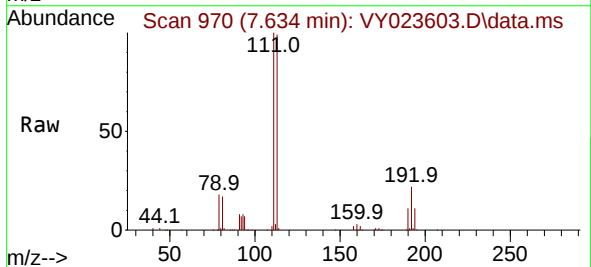
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC

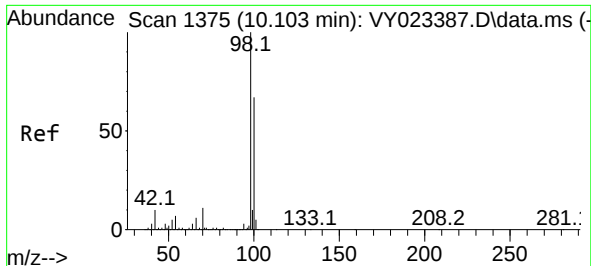
Tgt Ion:114 Resp: 1042505  
Ion Ratio Lower Upper  
114 100  
63 16.7 0.0 34.2  
88 14.9 0.0 28.4



#35  
Dibromofluoromethane  
Concen: 52.654 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.000 min  
Lab File: VY023603.D  
Acq: 28 Oct 2025 11:26

Tgt Ion:113 Resp: 337286  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.8 122.6  
192 22.1 18.0 27.0

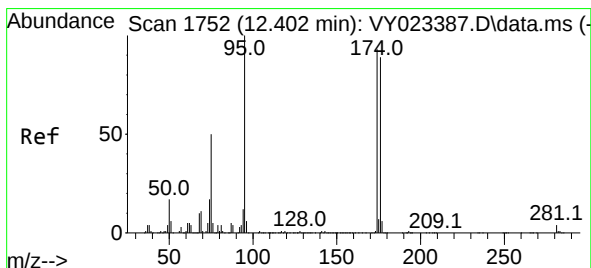
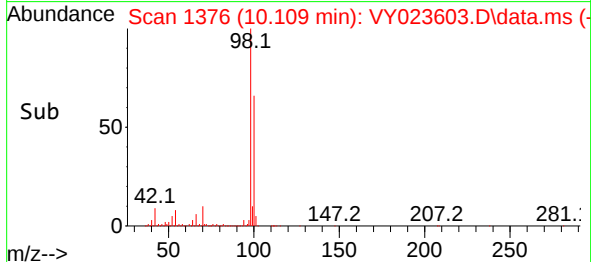
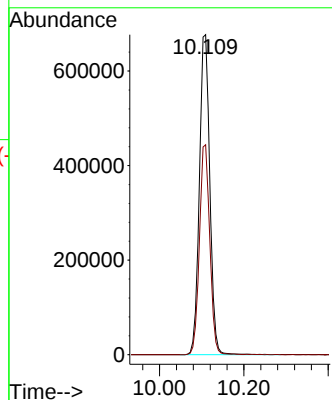
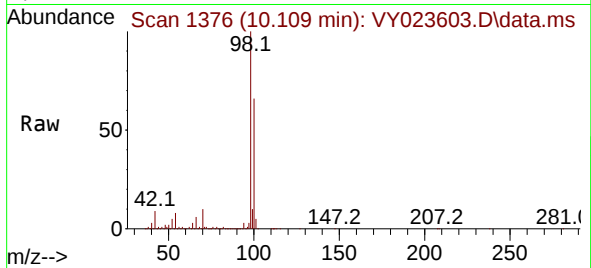




#50  
Toluene-d8  
Concen: 48.872 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023603.D  
Acq: 28 Oct 2025 11:26

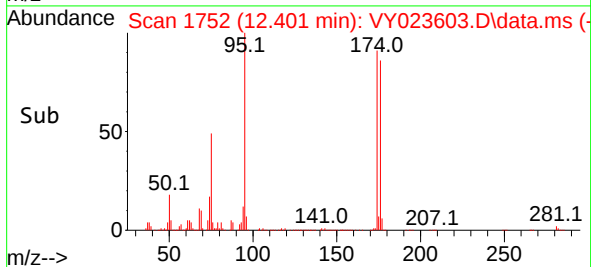
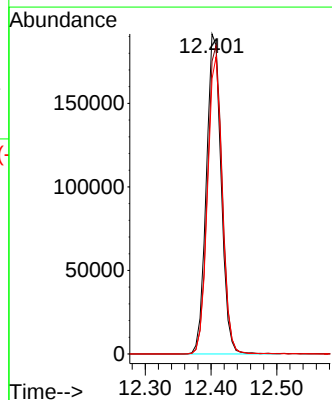
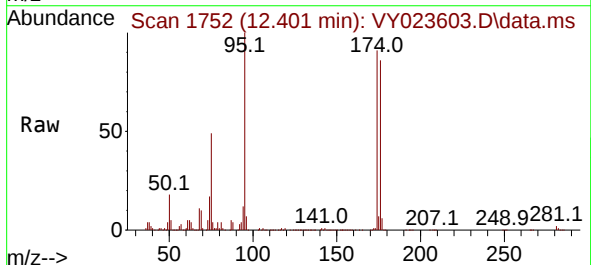
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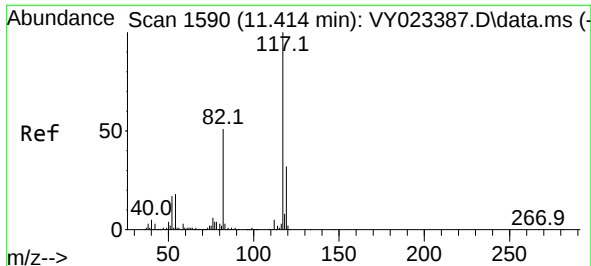
Tgt Ion: 98 Resp: 1165866  
Ion Ratio Lower Upper  
98 100  
100 65.2 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 38.084 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY023603.D  
Acq: 28 Oct 2025 11:26

Tgt Ion: 95 Resp: 299946  
Ion Ratio Lower Upper  
95 100  
174 96.4 0.0 192.8  
176 92.3 0.0 187.6

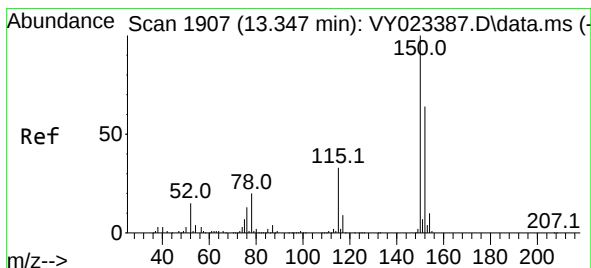
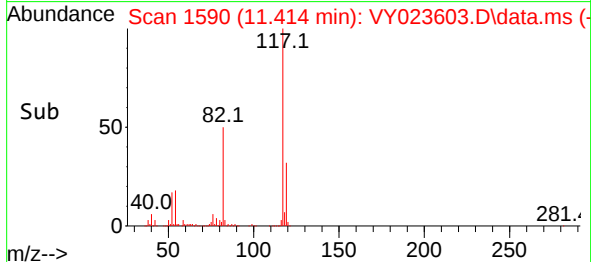
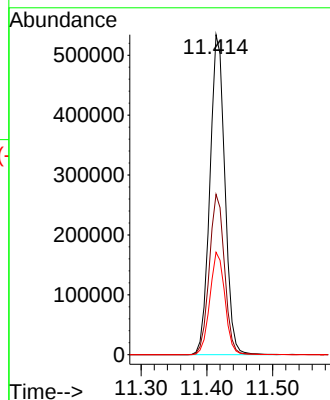
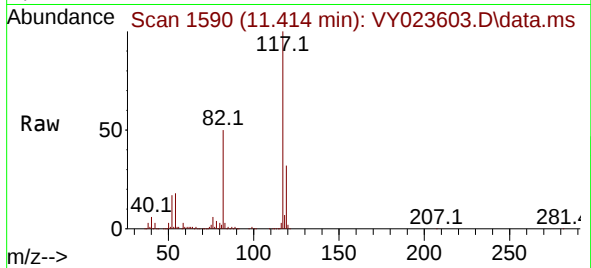




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY023603.D  
Acq: 28 Oct 2025 11:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VOC

Tgt Ion:117 Resp: 846455  
Ion Ratio Lower Upper  
117 100  
82 50.1 41.0 61.4  
119 32.0 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023603.D  
Acq: 28 Oct 2025 11:26

Tgt Ion:152 Resp: 305015  
Ion Ratio Lower Upper  
152 100  
115 55.1 27.1 81.2  
150 156.3 0.0 347.4

