

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061925\  
 Data File : VY022754.D  
 Acq On : 19 Jun 2025 14:49  
 Operator : SY/MD  
 Sample : Q2367-03  
 Misc : 4.56g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-4-VOC

Quant Time: Jun 20 02:59:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 10 15:26:14 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 86276    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 162567   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 142777   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 54021    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 55198    | 57.203   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 114.400% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 53740    | 55.383   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 110.760% |
| 50) Toluene-d8              | 10.103 | 98    | 202153   | 51.560   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 103.120% |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 52694    | 45.108   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 90.220%  |

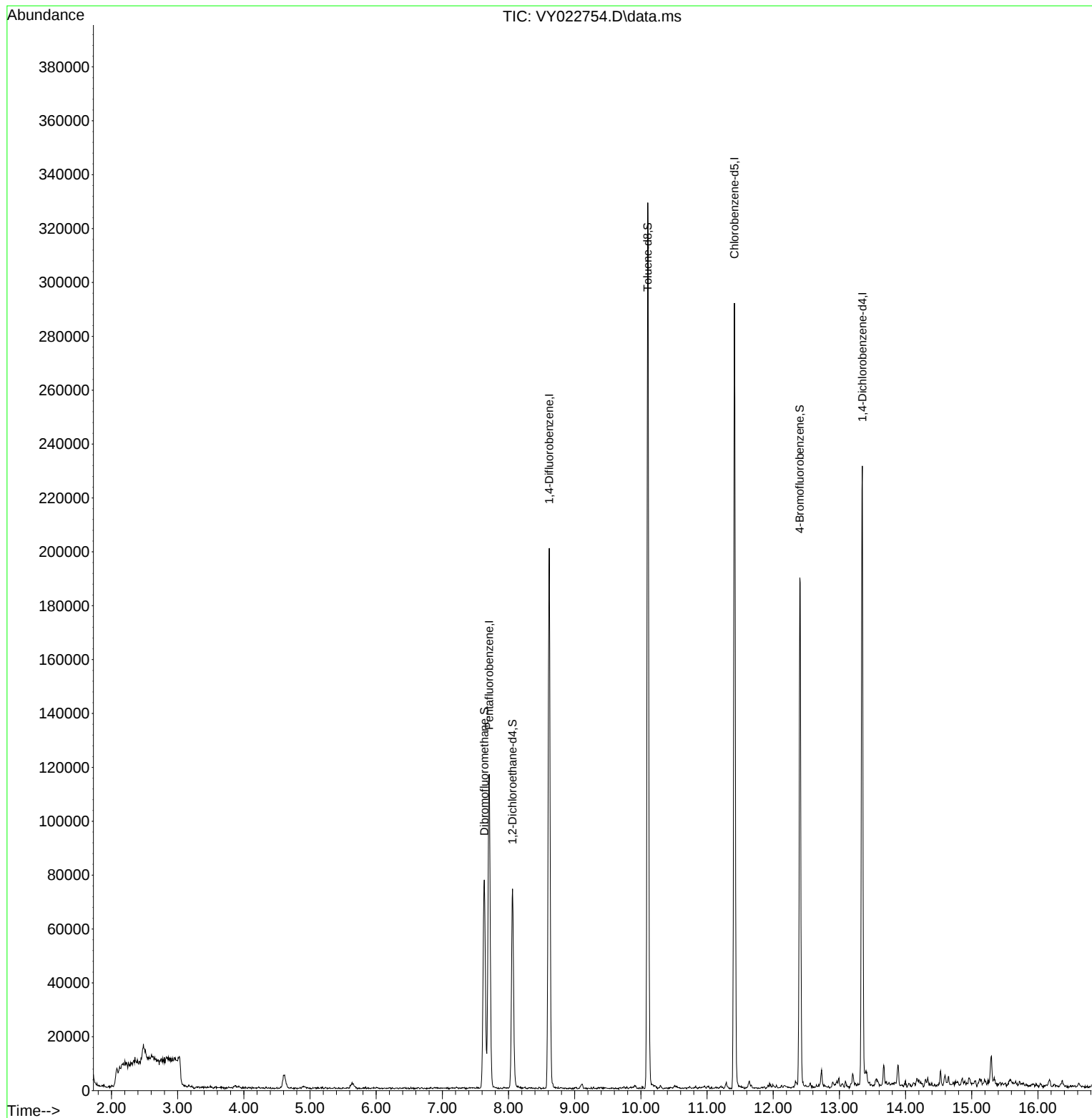
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061925\  
Data File : VY022754.D  
Acq On : 19 Jun 2025 14:49  
Operator : SY/MD  
Sample : Q2367-03  
Misc : 4.56g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EP-4-VOC

Quant Time: Jun 20 02:59:50 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 10 15:26:14 2025  
Response via : Initial Calibration

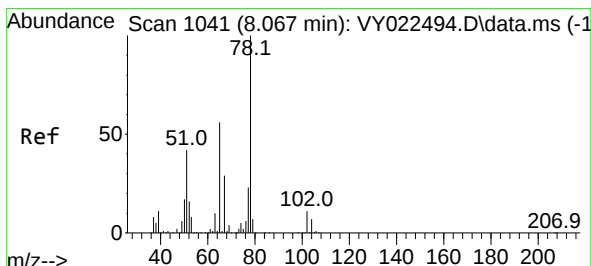
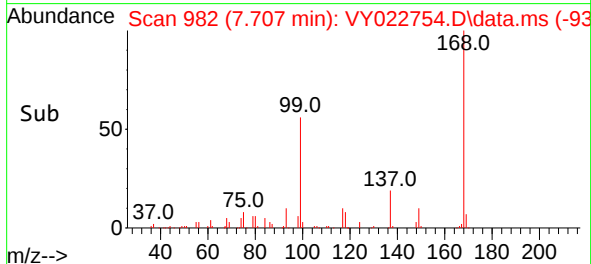
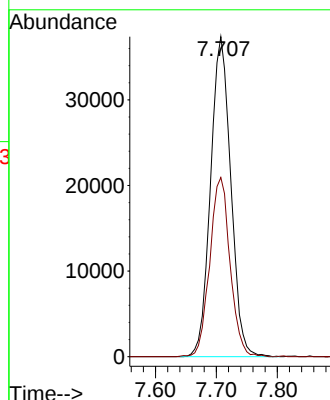
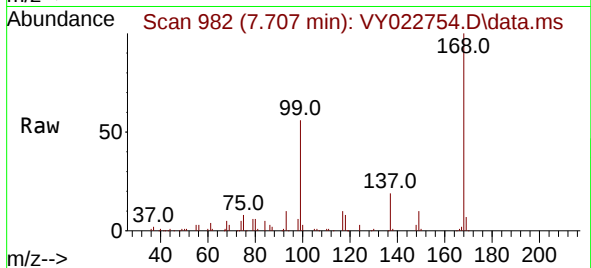




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022754.D  
Acq: 19 Jun 2025 14:49

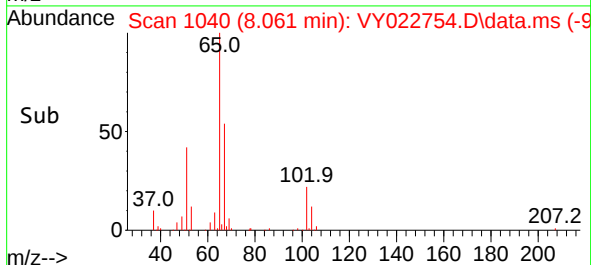
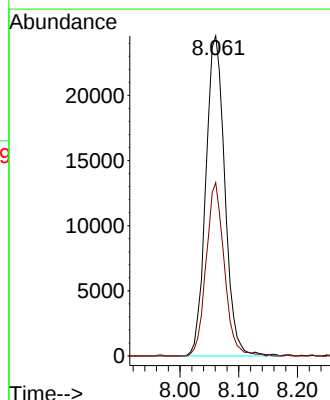
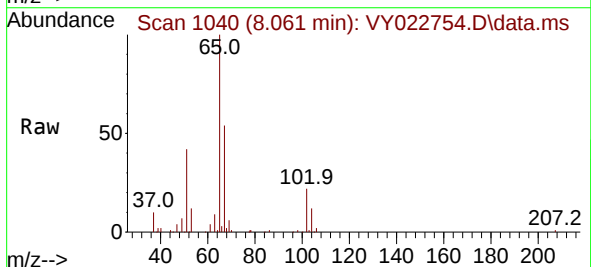
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EP-4-VOC

Tgt Ion:168 Resp: 86276  
Ion Ratio Lower Upper  
168 100  
99 55.8 44.3 66.5



#33  
1,2-Dichloroethane-d4  
Concen: 57.203 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY022754.D  
Acq: 19 Jun 2025 14:49

Tgt Ion: 65 Resp: 55198  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 103.4

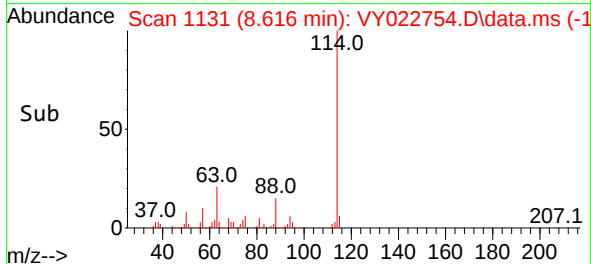
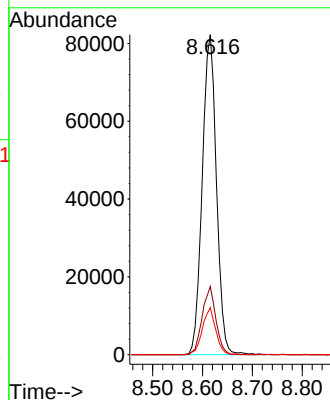
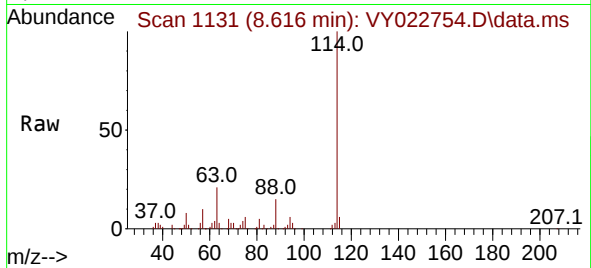




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. -0.000 min  
 Lab File: VY022754.D  
 Acq: 19 Jun 2025 14:49

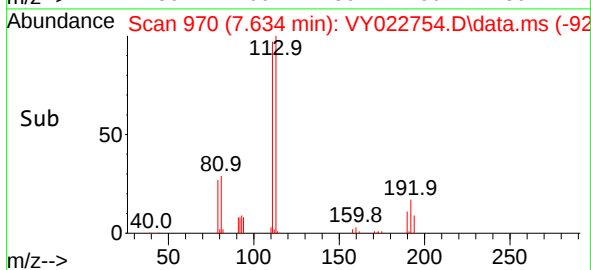
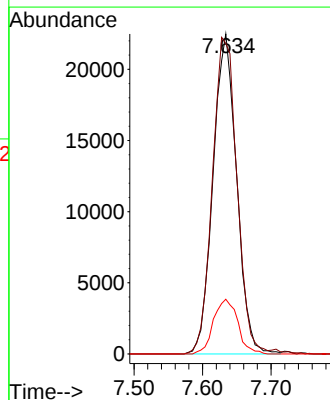
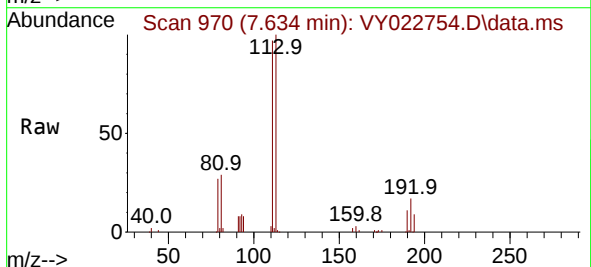
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-4-VOC

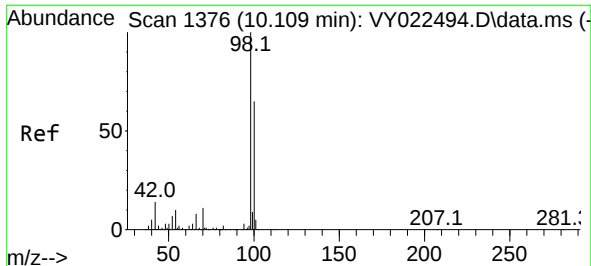
Tgt Ion:114 Resp: 162567  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 40.8  
 88 14.7 0.0 27.8



#35  
 Dibromofluoromethane  
 Concen: 55.383 ug/l  
 RT: 7.634 min Scan# 970  
 Delta R.T. -0.006 min  
 Lab File: VY022754.D  
 Acq: 19 Jun 2025 14:49

Tgt Ion:113 Resp: 53740  
 Ion Ratio Lower Upper  
 113 100  
 111 103.6 81.1 121.7  
 192 17.6 14.2 21.2

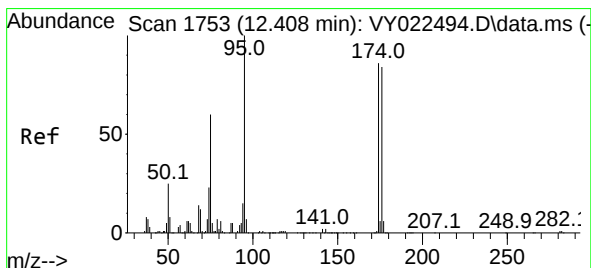
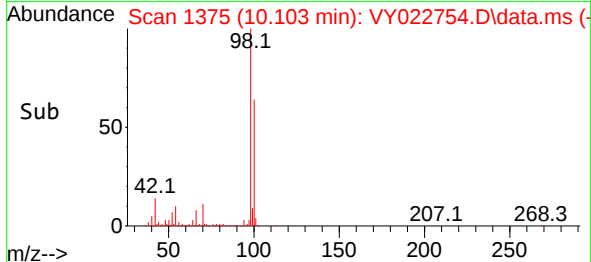
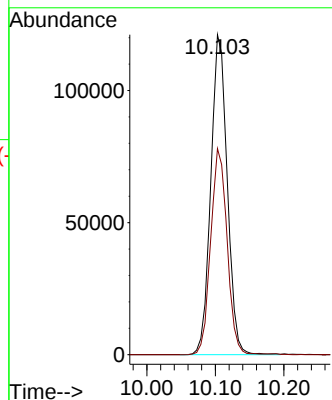
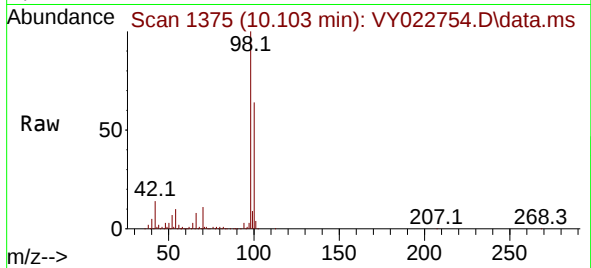




#50  
Toluene-d8  
Concen: 51.560 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022754.D  
Acq: 19 Jun 2025 14:49

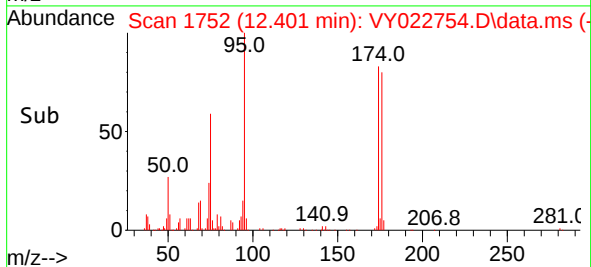
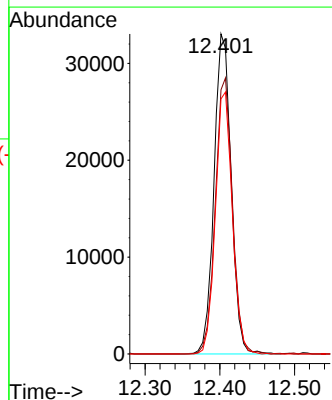
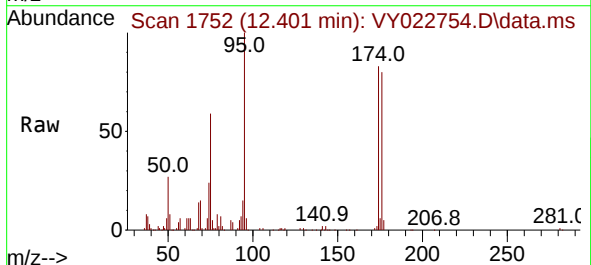
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EP-4-VOC

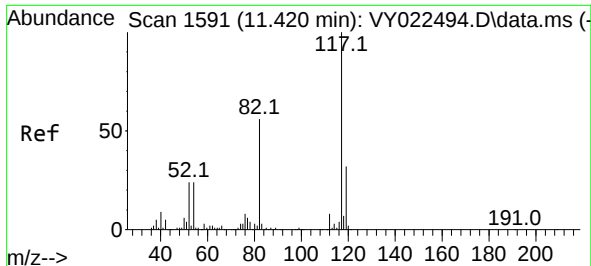
Tgt Ion: 98 Resp: 202153  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 45.108 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022754.D  
Acq: 19 Jun 2025 14:49

Tgt Ion: 95 Resp: 52694  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 170.0  
176 80.9 0.0 166.2

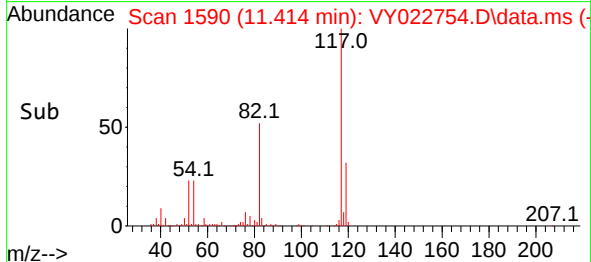
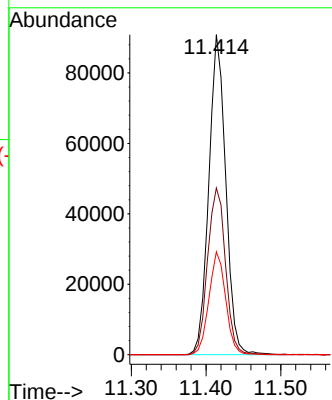
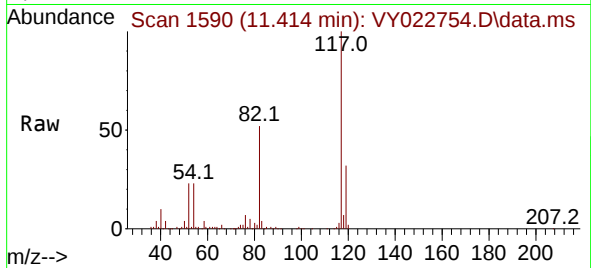




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022754.D  
Acq: 19 Jun 2025 14:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EP-4-VOC

Tgt Ion:117 Resp: 142777  
Ion Ratio Lower Upper  
117 100  
82 52.1 44.6 66.8  
119 32.2 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY022754.D  
Acq: 19 Jun 2025 14:49

Tgt Ion:152 Resp: 54021  
Ion Ratio Lower Upper  
152 100  
115 55.4 28.9 86.7  
150 157.0 0.0 349.6

