

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061325\  
 Data File : VY022689.D  
 Acq On : 13 Jun 2025 11:55  
 Operator : SY/MD  
 Sample : Q2311-06  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP04-MH2MH3-VOC

Quant Time: Jun 14 02:03:30 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

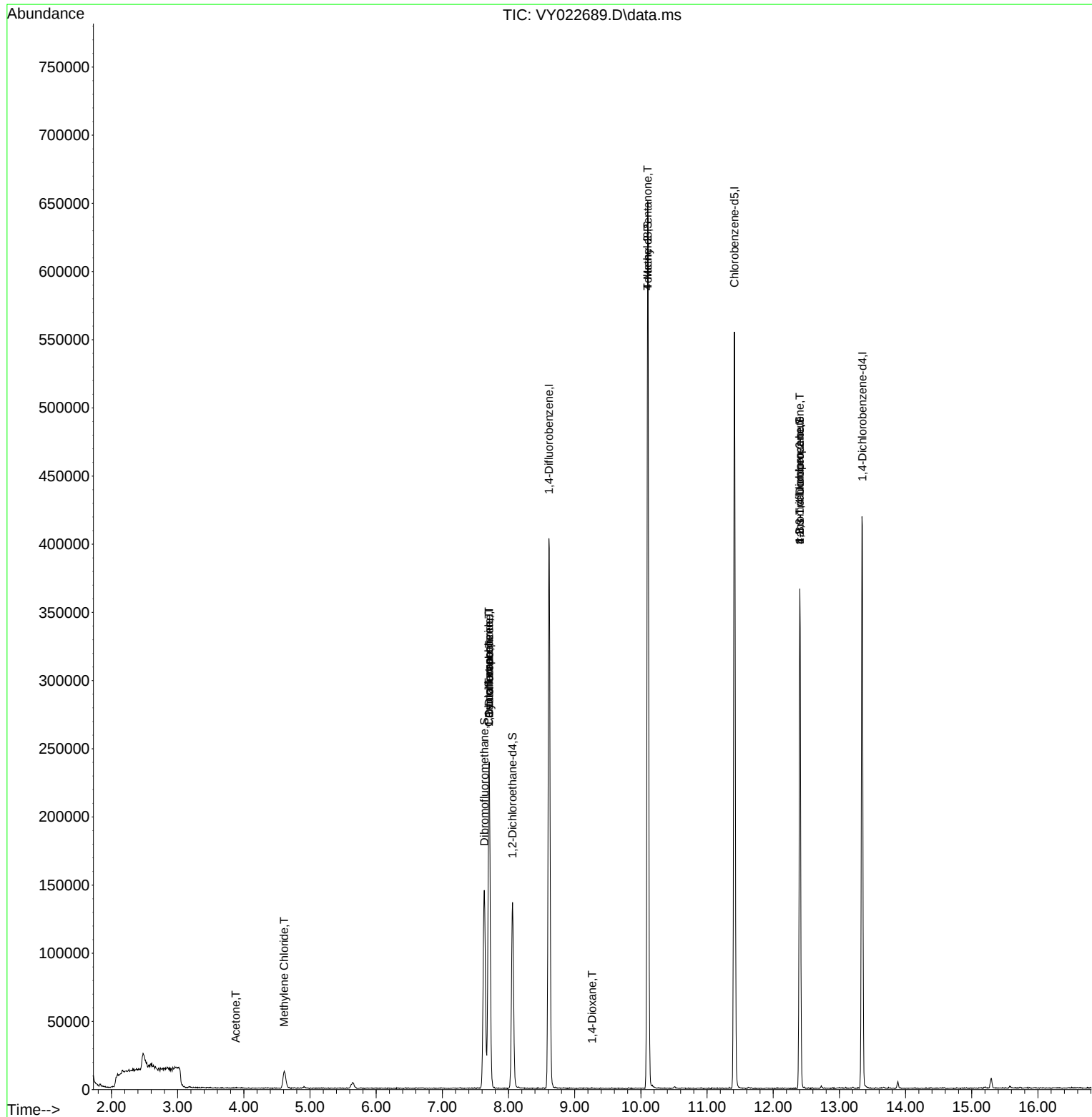
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.707          | 168  | 178619              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.609          | 114  | 333609              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414         | 117  | 267351              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346         | 152  | 95264               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061          | 65   | 100535              | 50.324  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 100.640% |         |        |          |
| 35) Dibromofluoromethane      | 7.634          | 113  | 99504               | 49.971  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 99.940%  |         |        |          |
| 50) Toluene-d8                | 10.103         | 98   | 399261              | 49.623  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 99.240%  |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.401         | 95   | 98682               | 41.164  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 82.320%  |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 16) Acetone                   | 3.879          | 43   | 489                 | 1.205   | ug/l   | 90       |
| 20) Methylene Chloride        | 4.610          | 84   | 8640                | 3.749   | ug/l # | 95       |
| 31) Cyclohexane               | 7.707          | 56   | 5355                | 1.395   | ug/l # | 45       |
| 36) 1,1-Dichloropropene       | 7.701          | 75   | 16488               | 5.102   | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.701          | 117  | 18965               | 5.720   | ug/l # | 18       |
| 49) 1,4-Dioxane               | 9.262          | 88   | 22                  | 1.463   | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 10.103         | 43   | 2353                | 1.516   | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.401         | 75   | 58358               | 53.547  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401         | 75   | 58358               | 129.312 | ug/l # | 10       |
| -----                         |                |      |                     |         |        |          |

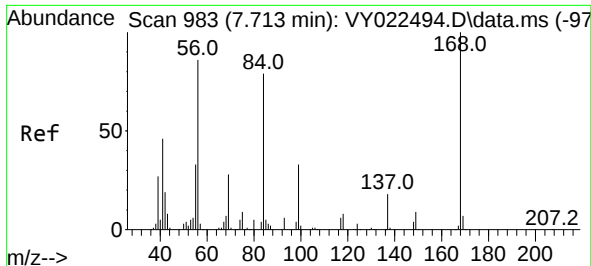
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061325\  
Data File : VY022689.D  
Acq On : 13 Jun 2025 11:55  
Operator : SY/MD  
Sample : Q2311-06  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP04-MH2MH3-VOC

Quant Time: Jun 14 02:03:30 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

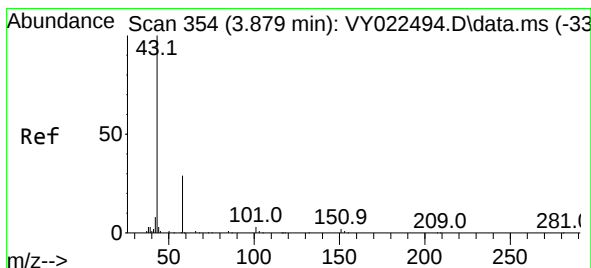
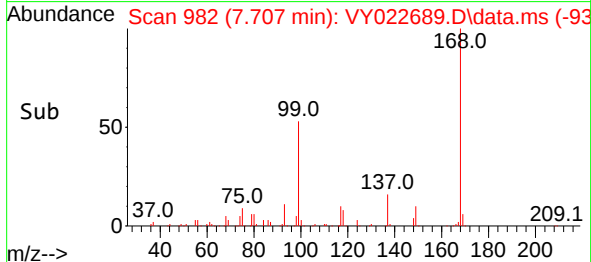
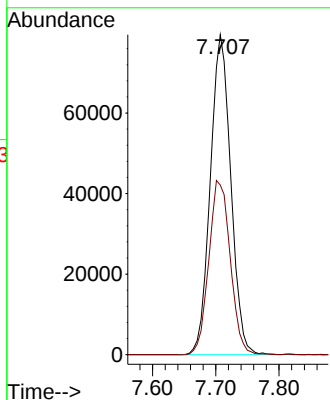
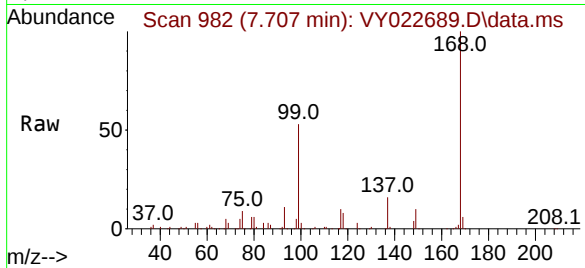




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

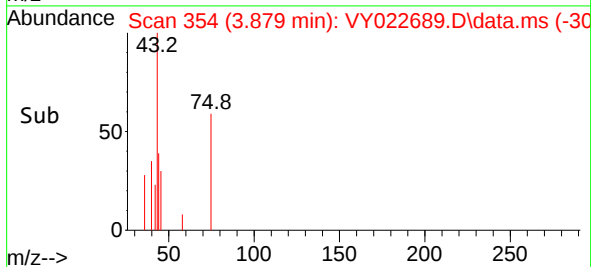
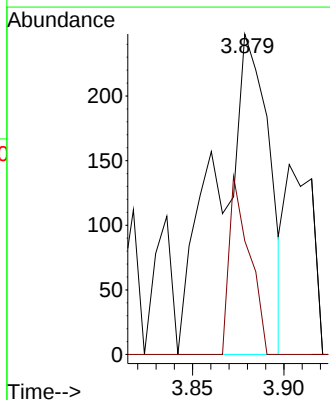
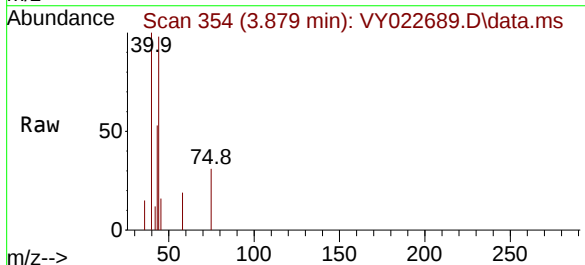
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP04-MH2MH3-VOC

Tgt Ion:168 Resp: 178619  
Ion Ratio Lower Upper  
168 100  
99 53.0 44.3 66.5



#16  
Acetone  
Concen: 1.205 ug/l  
RT: 3.879 min Scan# 354  
Delta R.T. -0.000 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

Tgt Ion: 43 Resp: 489  
Ion Ratio Lower Upper  
43 100  
58 35.5 24.0 36.0

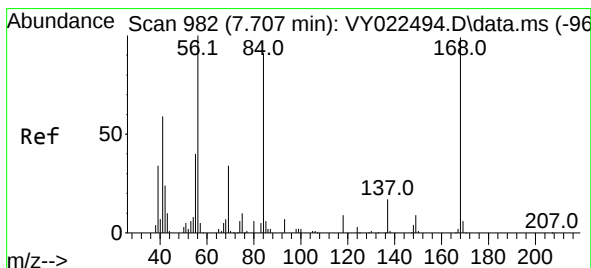
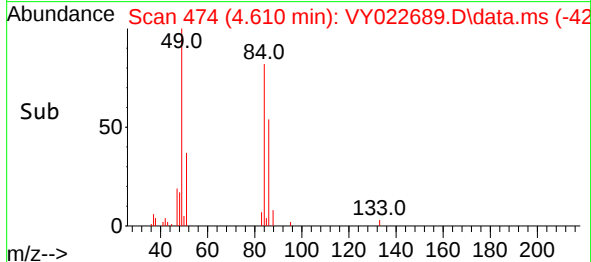
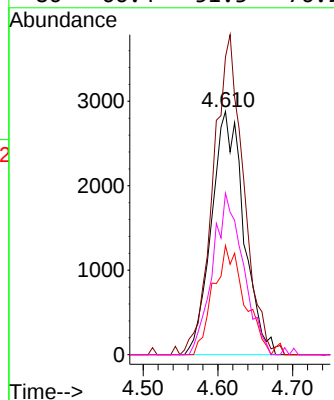
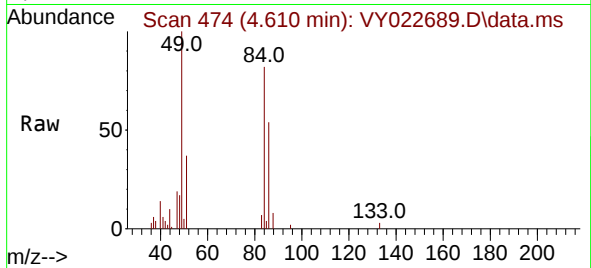




#20  
Methylene Chloride  
Concen: 3.749 ug/l  
RT: 4.610 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

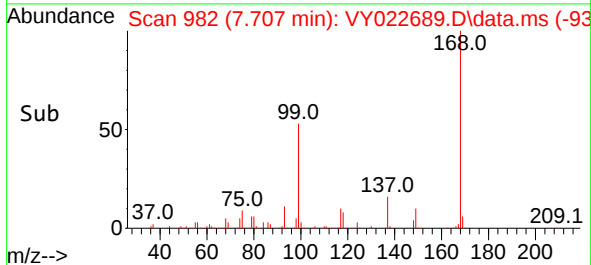
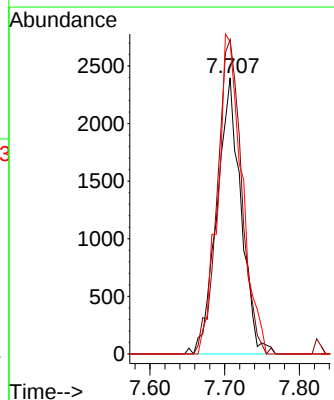
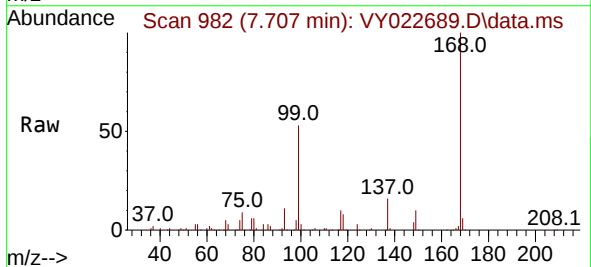
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP04-MH2MH3-VOC

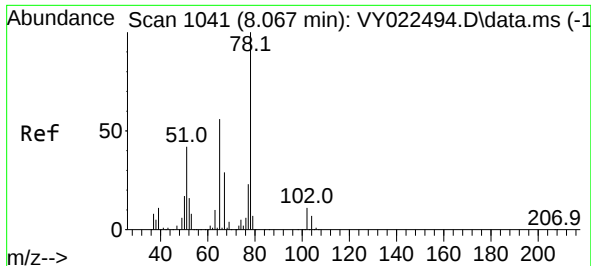
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 8640  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 122.5 | 101.9 | 152.9 |
| 51       | 44.9  | 29.8  | 44.8# |
| 86       | 66.4  | 51.3  | 76.9  |



#31  
Cyclohexane  
Concen: 1.395 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5355   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 113.9 | 27.0  | 40.6#  |
| 84       | 113.0 | 72.6  | 109.0# |

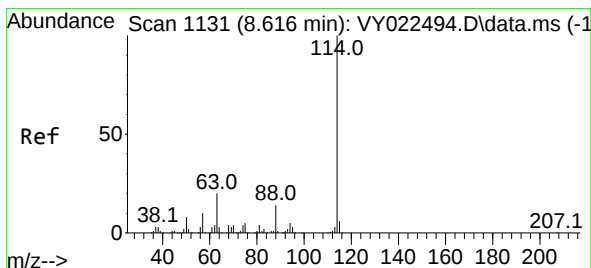
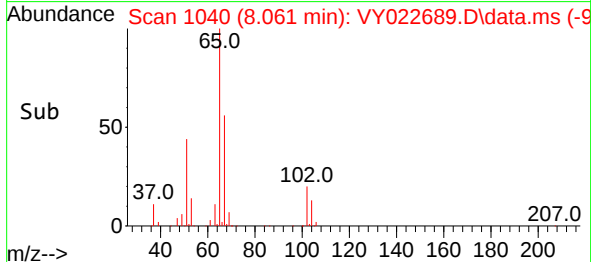
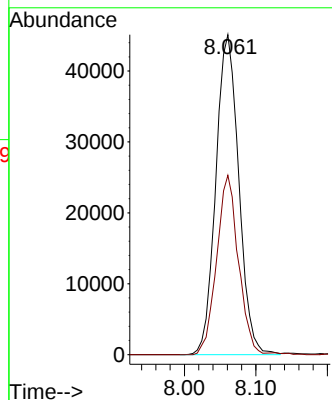
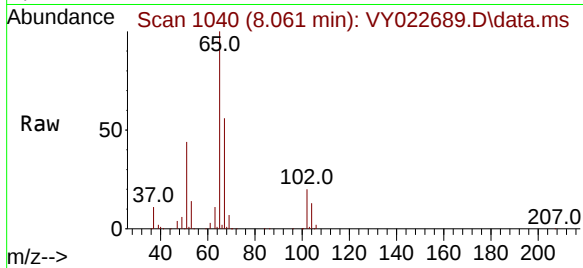




#33  
1,2-Dichloroethane-d4  
Concen: 50.324 ug/l  
RT: 8.061 min Scan# 110  
Delta R.T. -0.006 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

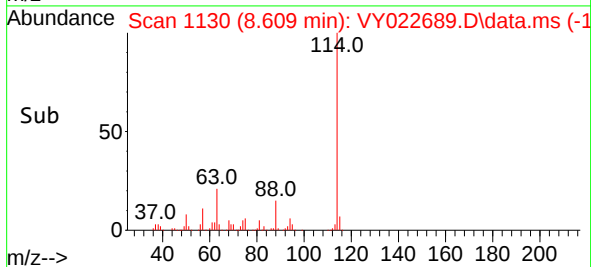
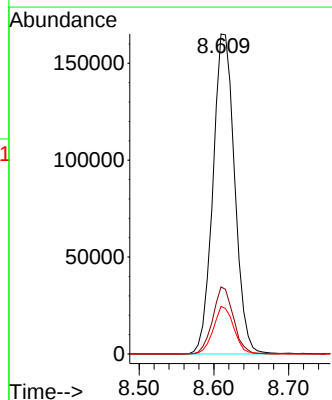
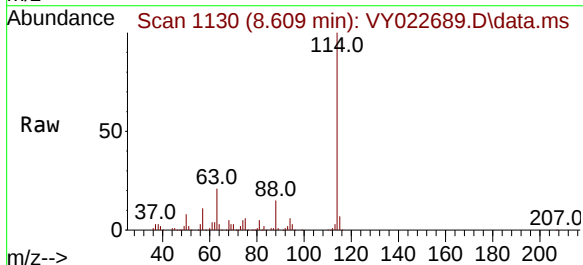
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP04-MH2MH3-VOC

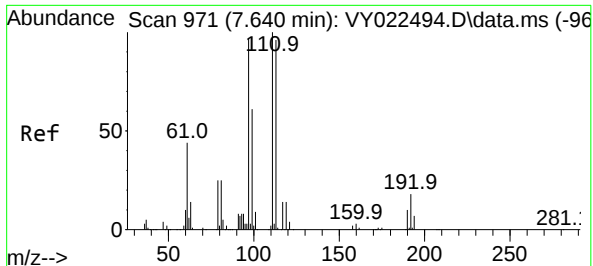
Tgt Ion: 65 Resp: 100535  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.609 min Scan# 1130  
Delta R.T. -0.006 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

Tgt Ion: 114 Resp: 333609  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 40.8  
88 14.8 0.0 27.8

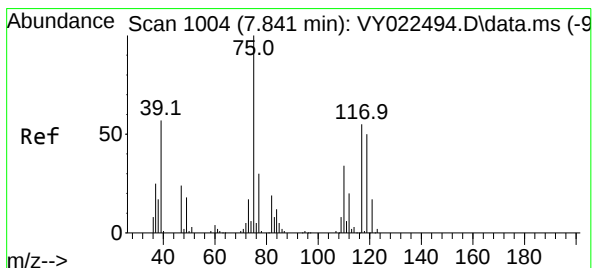
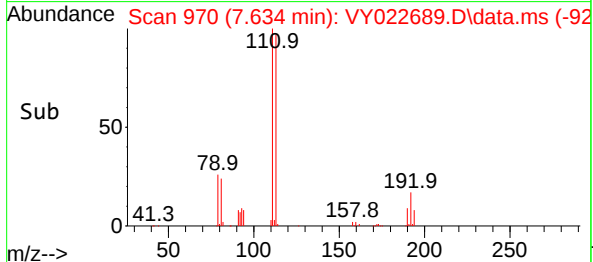
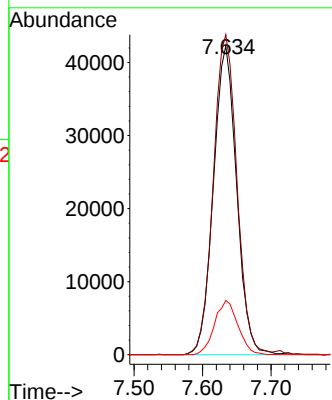
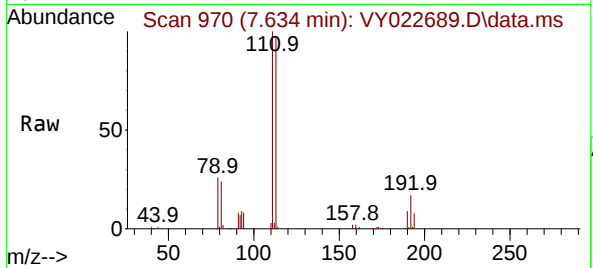




#35  
Dibromofluoromethane  
Concen: 49.971 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

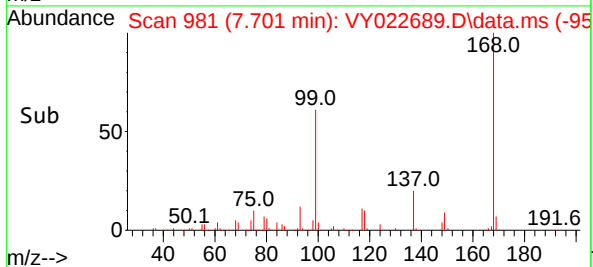
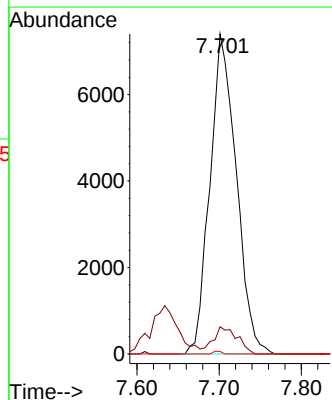
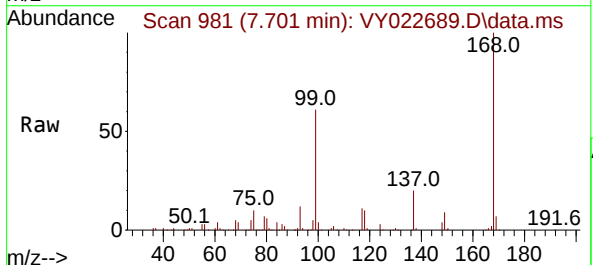
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP04-MH2MH3-VOC

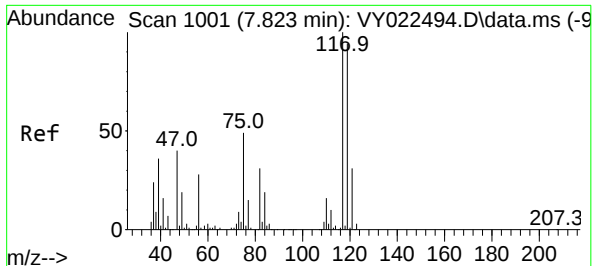
Tgt Ion:113 Resp: 99504  
Ion Ratio Lower Upper  
113 100  
111 105.0 81.1 121.7  
192 17.6 14.2 21.2



#36  
1,1-Dichloropropene  
Concen: 5.102 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.140 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

Tgt Ion: 75 Resp: 16488  
Ion Ratio Lower Upper  
75 100  
110 7.8 16.9 50.7#  
77 0.3 24.8 37.2#

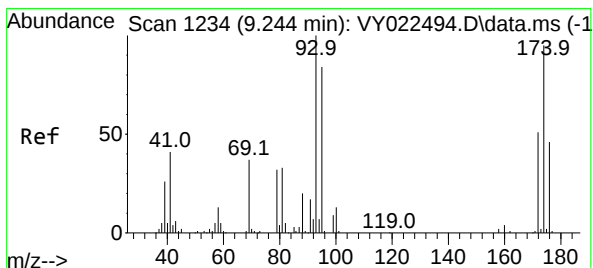
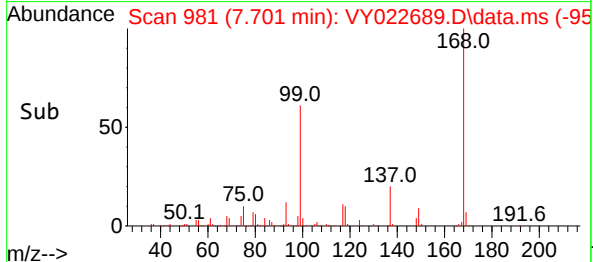
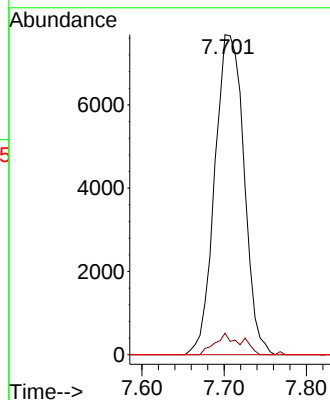
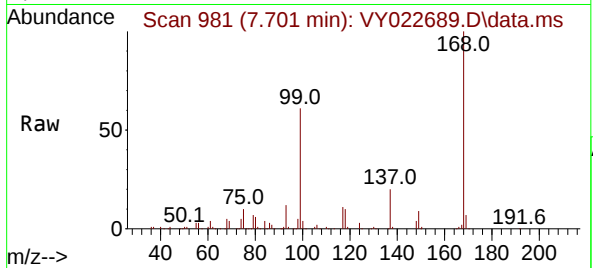




#38  
Carbon Tetrachloride  
Concen: 5.720 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

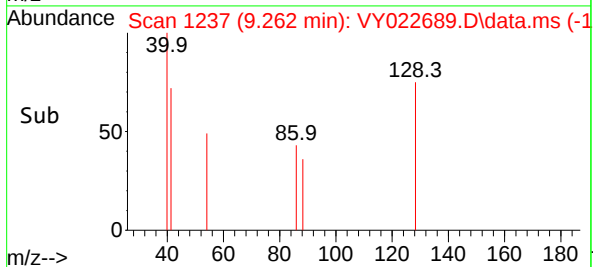
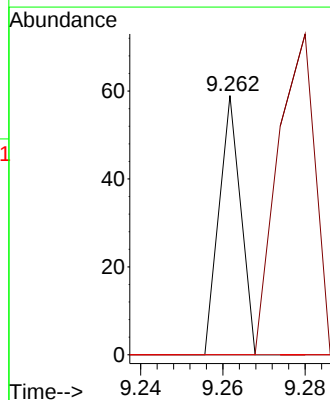
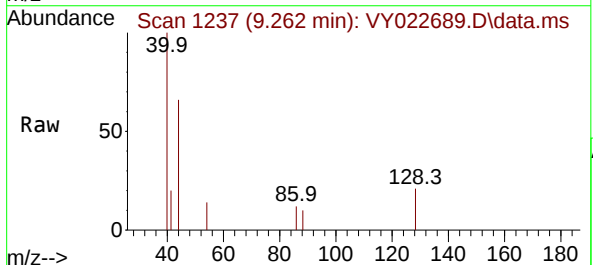
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP04-MH2MH3-VOC

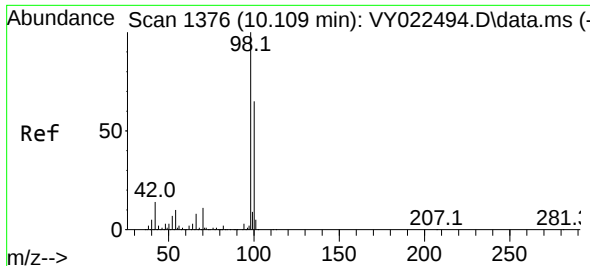
Tgt Ion:117 Resp: 18965  
Ion Ratio Lower Upper  
117 100  
119 6.7 75.0 112.6#  
121 0.0 25.0 37.4#



#49  
1,4-Dioxane  
Concen: 1.463 ug/l  
RT: 9.262 min Scan# 1237  
Delta R.T. 0.018 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

Tgt Ion: 88 Resp: 22  
Ion Ratio Lower Upper  
88 100  
43 209.1 25.4 38.2#  
58 0.0 54.9 82.3#

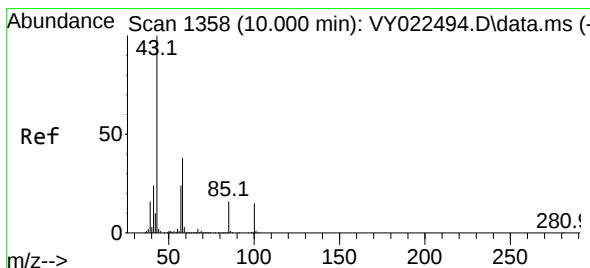
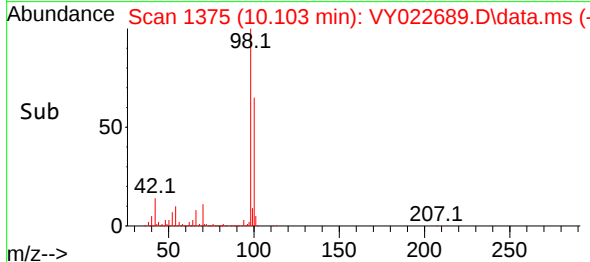
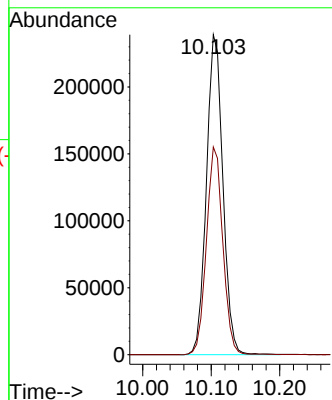
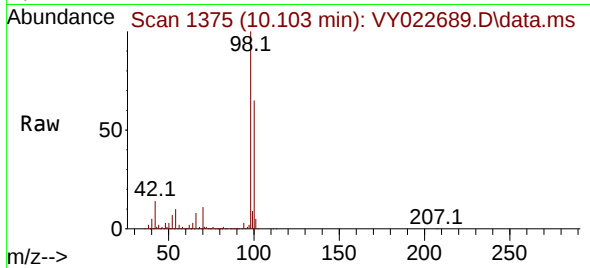




#50  
Toluene-d8  
Concen: 49.623 ug/l  
RT: 10.103 min Scan# 1376  
Delta R.T. -0.006 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

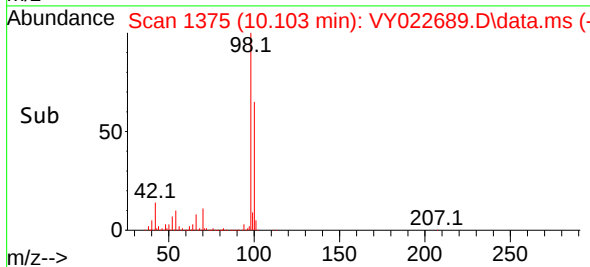
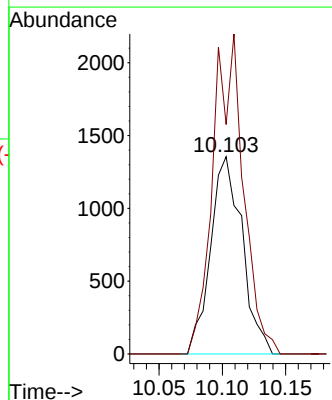
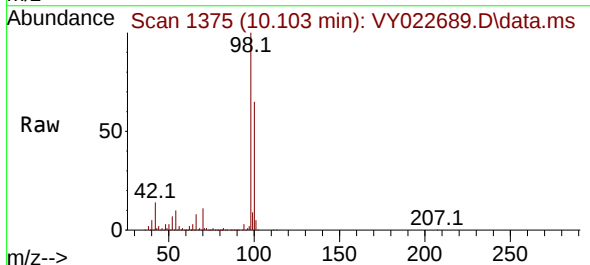
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP04-MH2MH3-VOC

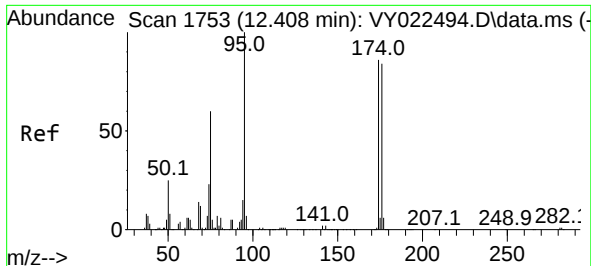
Tgt Ion: 98 Resp: 399261  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.4 77.0



#51  
4-Methyl-2-Pentanone  
Concen: 1.516 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.103 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

Tgt Ion: 43 Resp: 2353  
Ion Ratio Lower Upper  
43 100  
58 156.1 30.4 45.6#

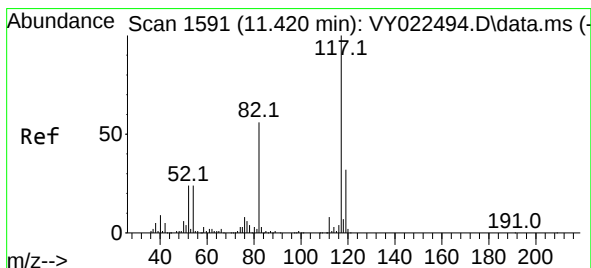
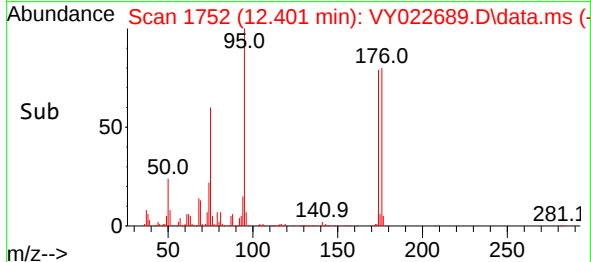
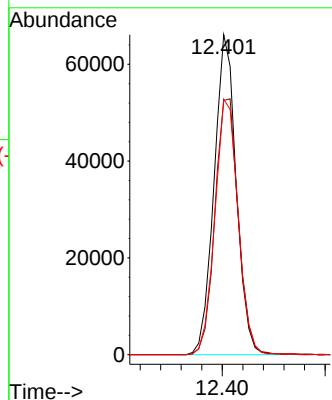
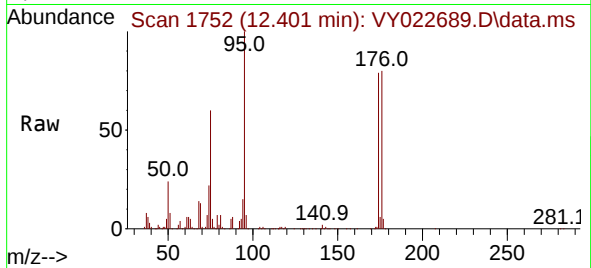




#62  
4-Bromofluorobenzene  
Concen: 41.164 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

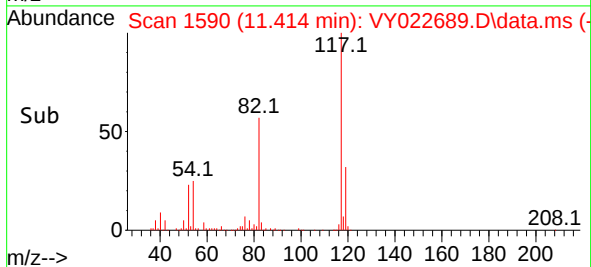
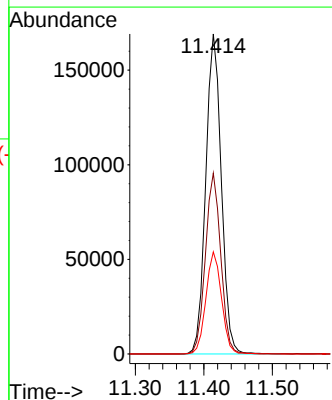
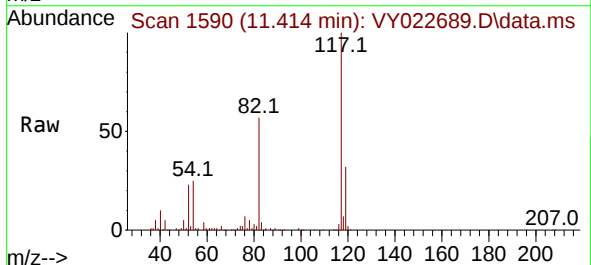
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP04-MH2MH3-VOC

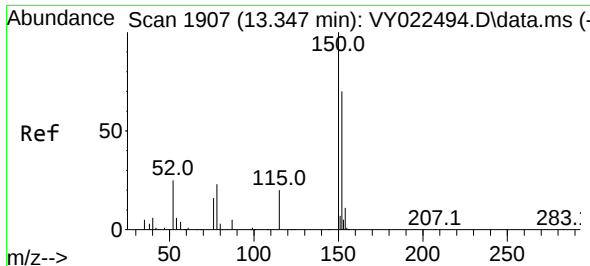
Tgt Ion: 95 Resp: 98682  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 170.0  
176 83.7 0.0 166.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY022689.D  
Acq: 13 Jun 2025 11:55

Tgt Ion: 117 Resp: 267351  
Ion Ratio Lower Upper  
117 100  
82 56.5 44.6 66.8  
119 31.9 25.4 38.0

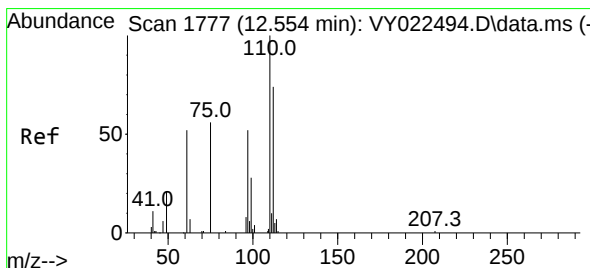
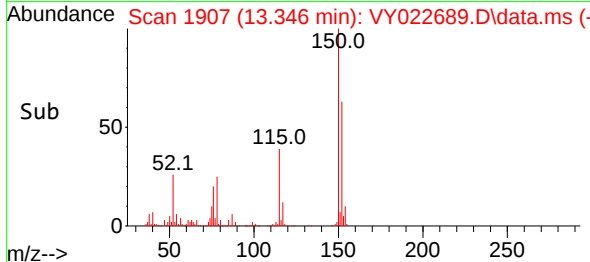
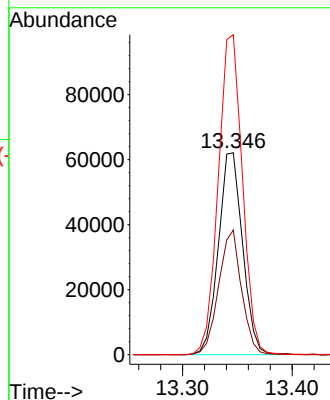
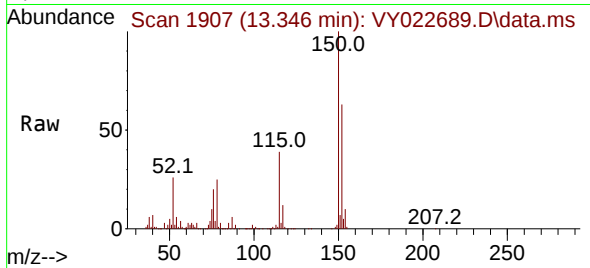




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: VY022689.D  
 Acq: 13 Jun 2025 11:55

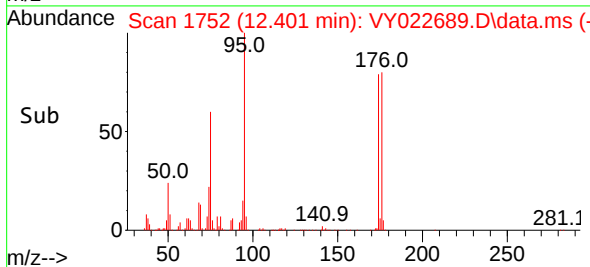
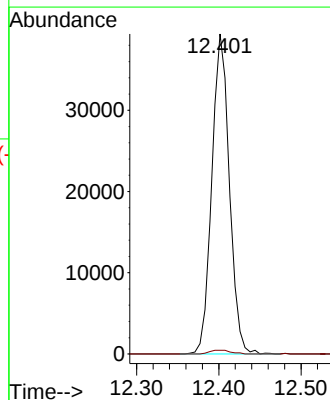
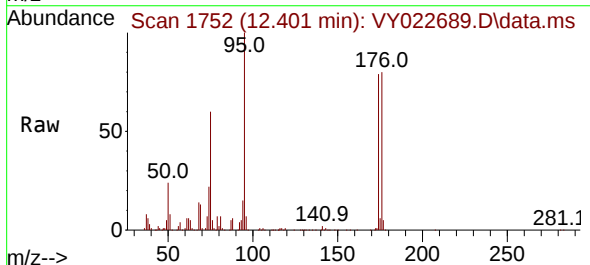
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP04-MH2MH3-VOC

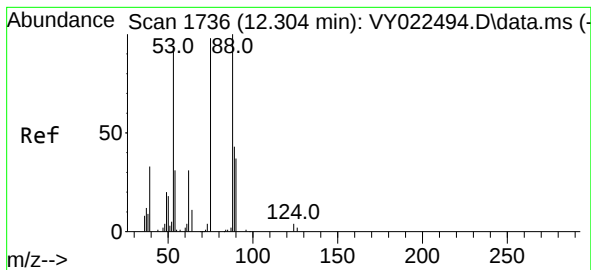
Tgt Ion:152 Resp: 95264  
 Ion Ratio Lower Upper  
 152 100  
 115 58.5 28.9 86.7  
 150 158.7 0.0 349.6



#76  
 1,2,3-Trichloropropane  
 Concen: 53.547 ug/l  
 RT: 12.401 min Scan# 1752  
 Delta R.T. -0.153 min  
 Lab File: VY022689.D  
 Acq: 13 Jun 2025 11:55

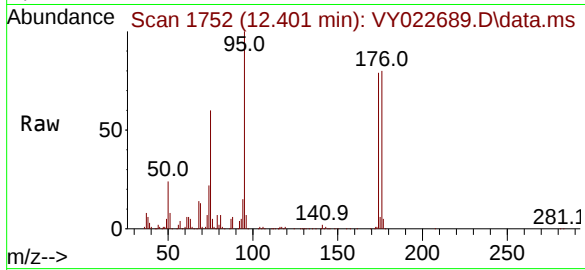
Tgt Ion: 75 Resp: 58358  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 129.312 ug/l  
 RT: 12.401 min Scan# 11  
 Delta R.T. 0.097 min  
 Lab File: VY022689.D  
 Acq: 13 Jun 2025 11:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP04-MH2MH3-VOC



Tgt Ion: 75 Resp: 58358  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 78.5 117.7#  
 89 0.0 35.7 53.5#

