

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091025\  
 Data File : VY023330.D  
 Acq On : 10 Sep 2025 14:02  
 Operator : SY/MD  
 Sample : Q3066-01  
 Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 354

Quant Time: Sep 11 03:50:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090825S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 10 01:44:33 2025  
 Response via : Initial Calibration

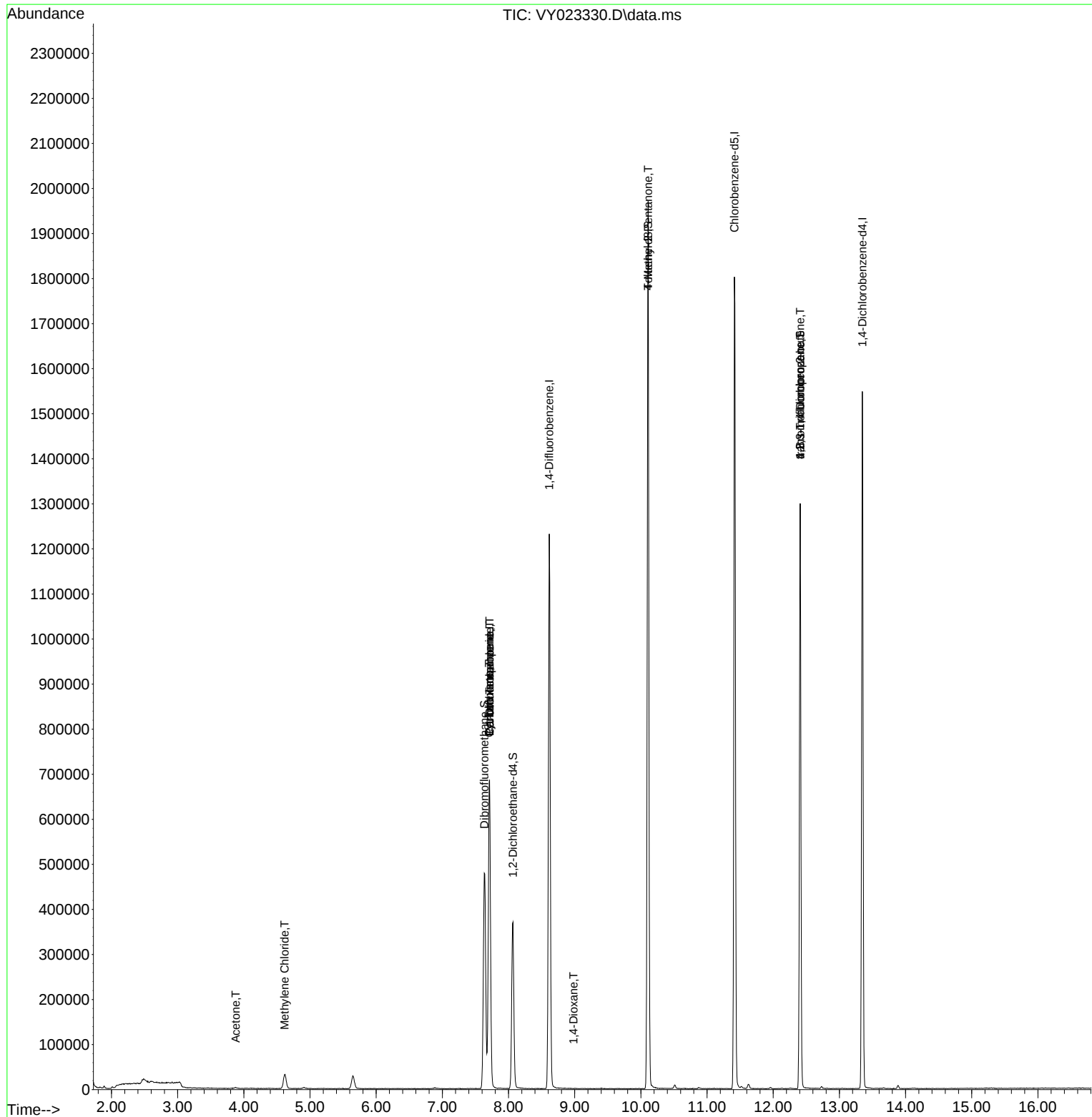
| Compound                      | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                         |           |       |          |          |        |          |
| Internal Standards            |           |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.713     | 168   | 566690   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 1084992  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 997278   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 405221   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067     | 65    | 296029   | 59.448   | ug/l   | 0.01     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | =      | 118.900% |
| 35) Dibromofluoromethane      | 7.634     | 113   | 354989   | 53.525   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | =      | 107.060% |
| 50) Toluene-d8                | 10.109    | 98    | 1299730  | 51.899   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | =      | 103.800% |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 383685   | 48.684   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | =      | 97.360%  |
| Target Compounds              |           |       |          |          |        |          |
|                               |           |       |          |          | Qvalue |          |
| 16) Acetone                   | 3.879     | 43    | 3068     | 2.705    | ug/l   | 98       |
| 20) Methylene Chloride        | 4.616     | 84    | 24965    | 4.114    | ug/l   | 92       |
| 31) Cyclohexane               | 7.707     | 56    | 10190    | 1.169    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.713     | 75    | 40023    | 4.237    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.713     | 117   | 52523    | 4.832    | ug/l # | 17       |
| 49) 1,4-Dioxane               | 8.981     | 88    | 42       | 1.025    | ug/l # | 25       |
| 51) 4-Methyl-2-Pentanone      | 10.109    | 43    | 5043     | 1.349    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.408    | 75    | 196187   | 47.808   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408    | 75    | 196187   | 130.378  | ug/l # | 14       |
| -----                         |           |       |          |          |        |          |

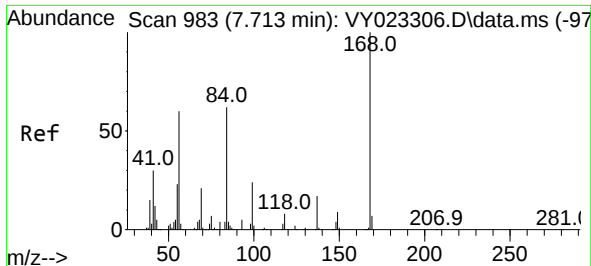
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q3066-01  
Misc : 5.22g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Time: Sep 11 03:50:12 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090825S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 10 01:44:33 2025  
Response via : Initial Calibration

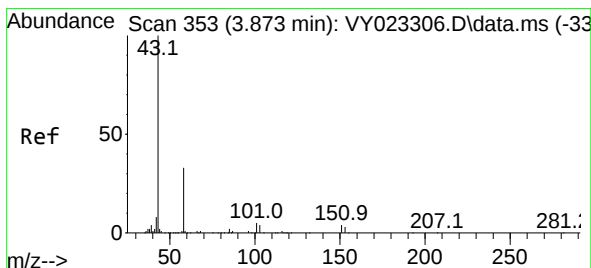
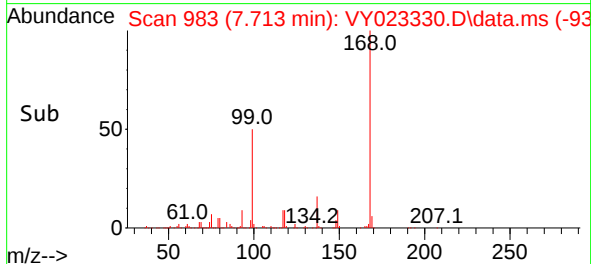
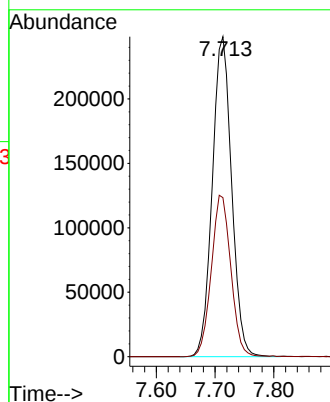
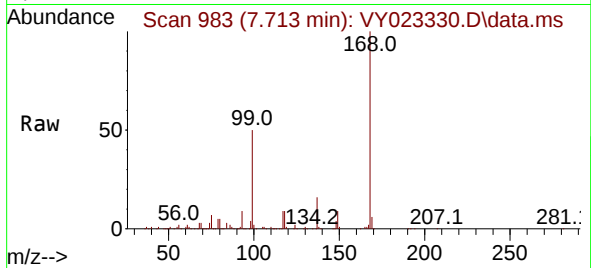




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

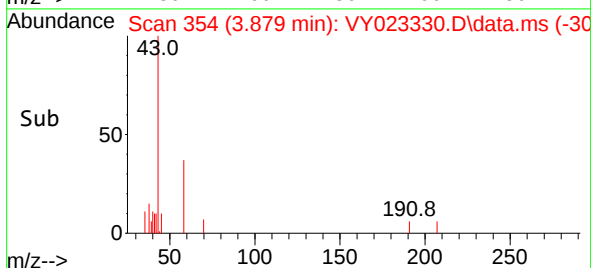
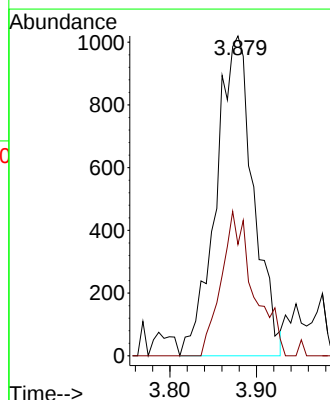
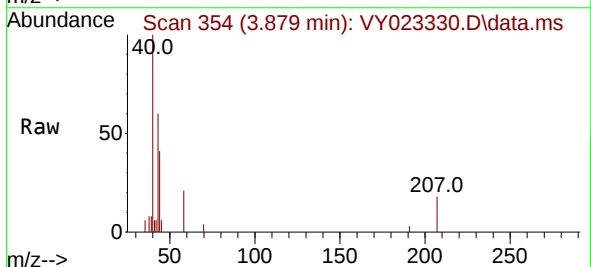
Instrument :  
MSVOA\_Y  
ClientSampleId :  
354

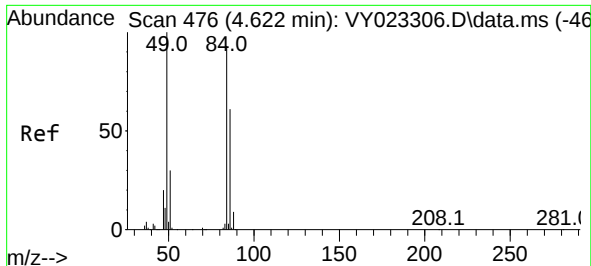
Tgt Ion:168 Resp: 566690  
Ion Ratio Lower Upper  
168 100  
99 49.7 42.8 64.2



#16  
Acetone  
Concen: 2.705 ug/l  
RT: 3.879 min Scan# 354  
Delta R.T. 0.018 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

Tgt Ion: 43 Resp: 3068  
Ion Ratio Lower Upper  
43 100  
58 34.8 27.1 40.7

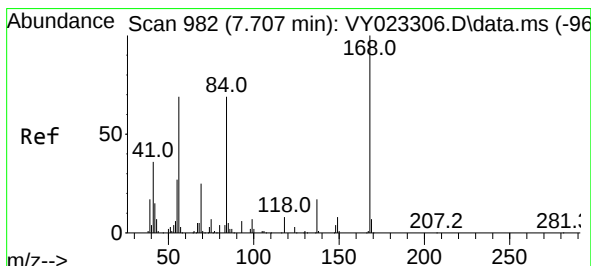
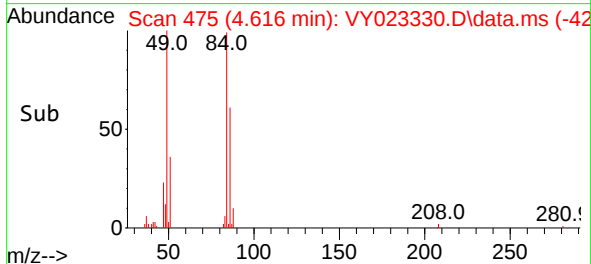
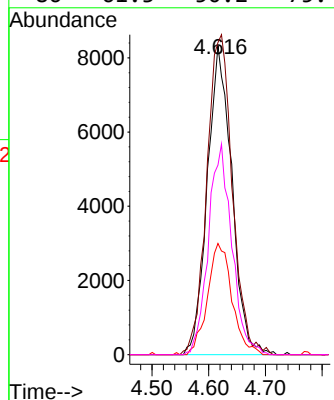
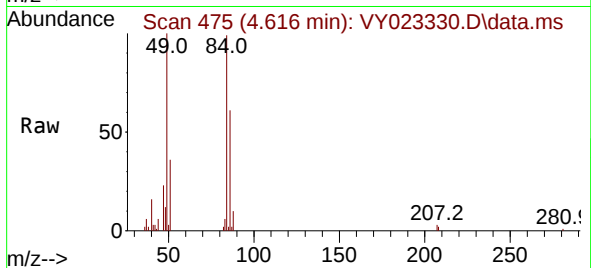




#20  
Methylene Chloride  
Concen: 4.114 ug/l  
RT: 4.616 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

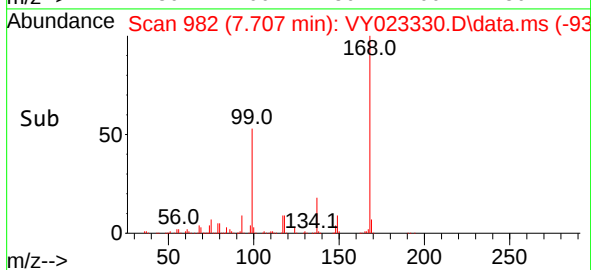
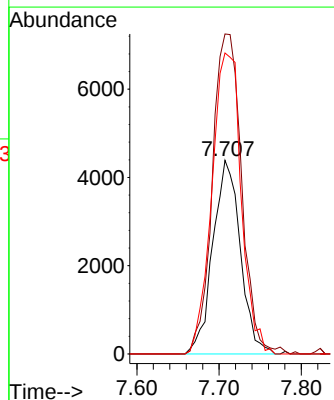
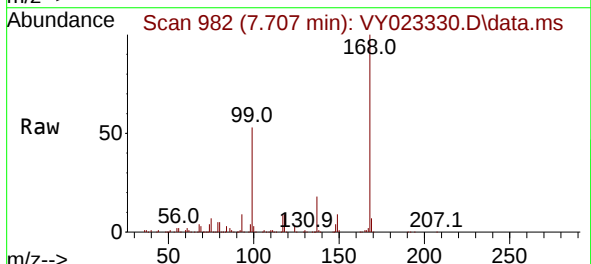
Instrument :  
MSVOA\_Y  
ClientSampleId :  
354

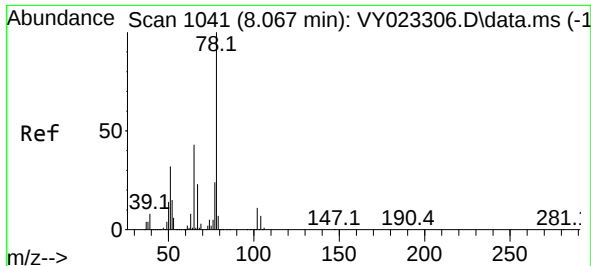
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 24965 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 101.0 | 93.0  | 139.6 |
| 51       | 36.0  | 29.0  | 43.4  |
| 86       | 61.3  | 50.2  | 75.4  |



#31  
Cyclohexane  
Concen: 1.169 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.012 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 10190  |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 165.3 | 28.2  | 42.2#  |
| 84       | 155.5 | 76.6  | 114.8# |





#33

1,2-Dichloroethane-d4

Concen: 59.448 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. 0.012 min

Lab File: VY023330.D

Acq: 10 Sep 2025 14:02

Instrument :

MSVOA\_Y

ClientSampleId :

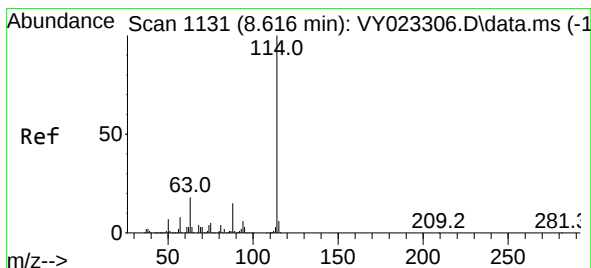
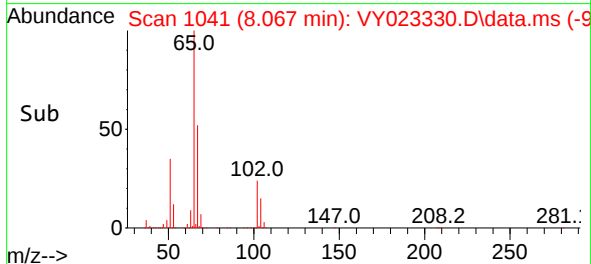
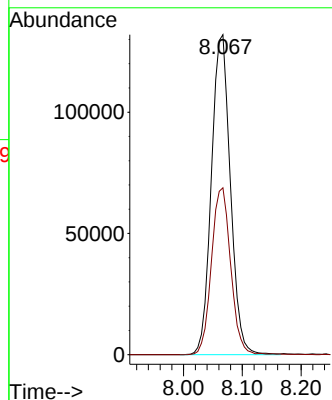
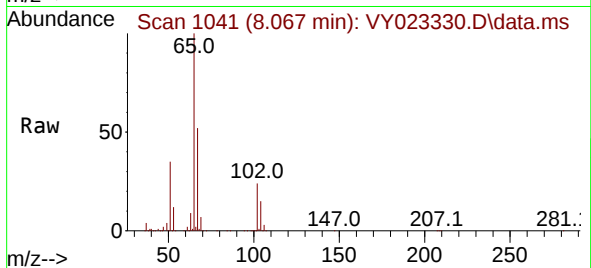
354

Tgt Ion: 65 Resp: 296029

Ion Ratio Lower Upper

65 100

67 52.9 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: VY023330.D

Acq: 10 Sep 2025 14:02

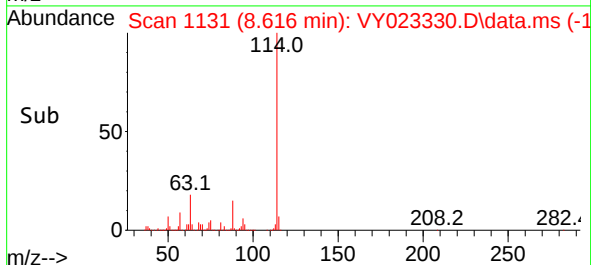
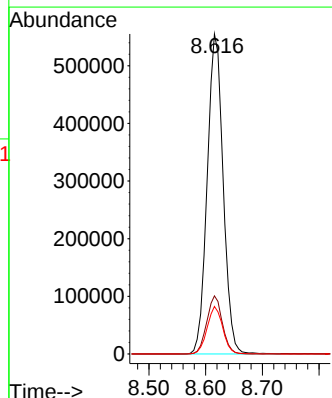
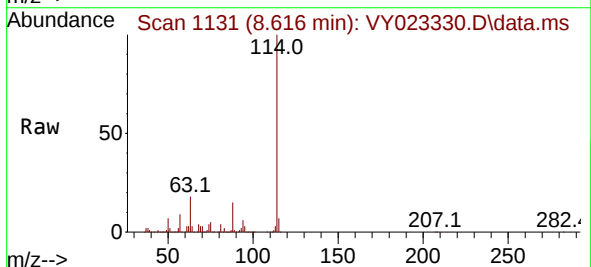
Tgt Ion:114 Resp: 1084992

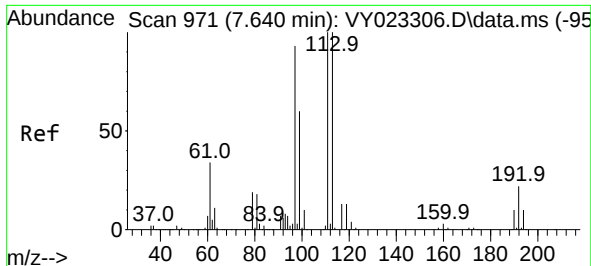
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.8 0.0 30.0

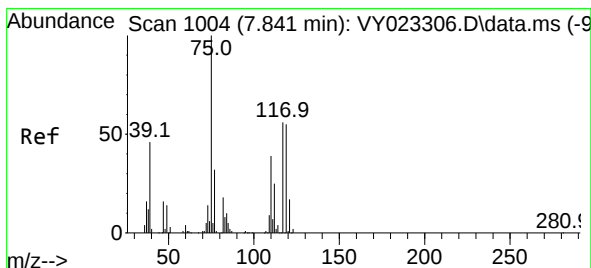
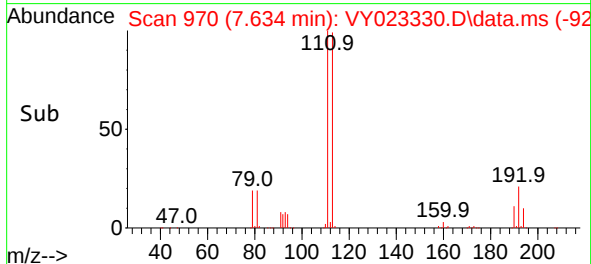
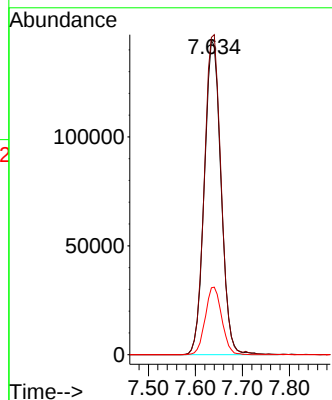
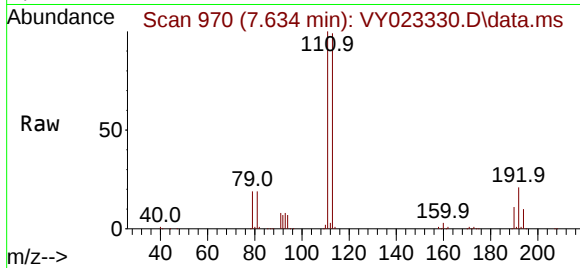




#35  
Dibromofluoromethane  
Concen: 53.525 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

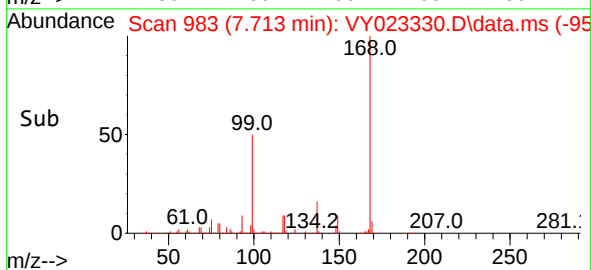
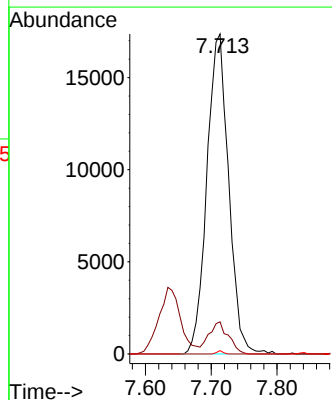
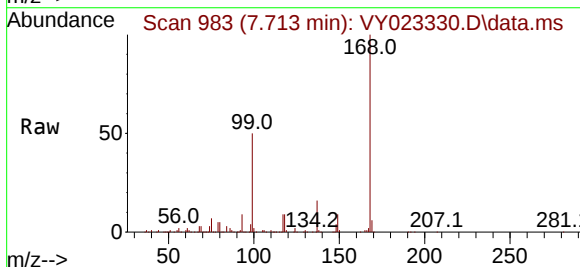
Instrument :  
MSVOA\_Y  
ClientSampleId :  
354

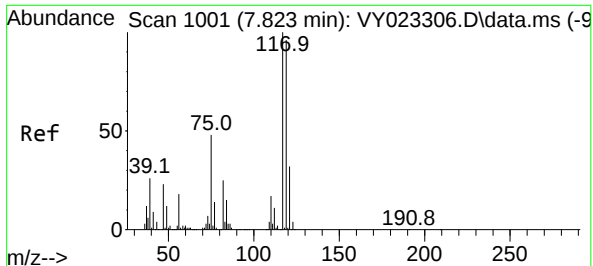
Tgt Ion:113 Resp: 354989  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.1 121.7  
192 21.2 16.2 24.4



#36  
1,1-Dichloropropene  
Concen: 4.237 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.116 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

Tgt Ion: 75 Resp: 40023  
Ion Ratio Lower Upper  
75 100  
110 8.9 18.1 54.4#  
77 0.3 24.6 37.0#

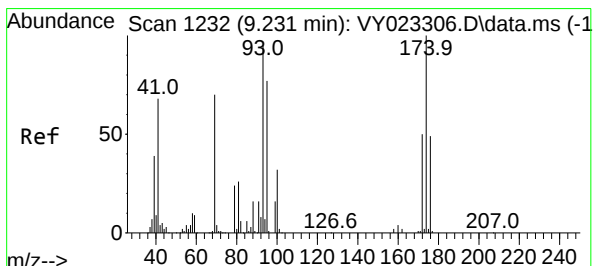
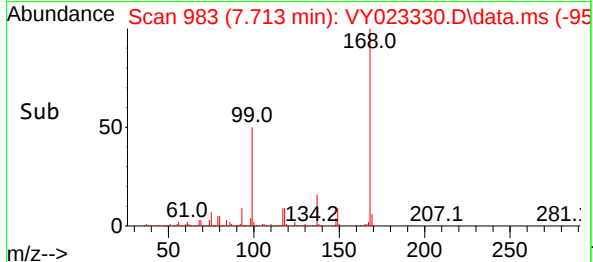
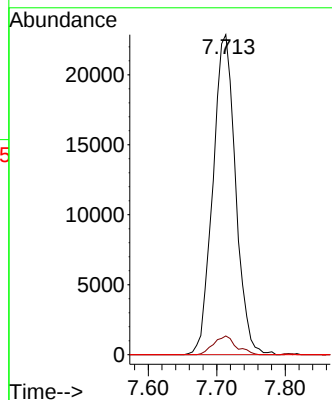
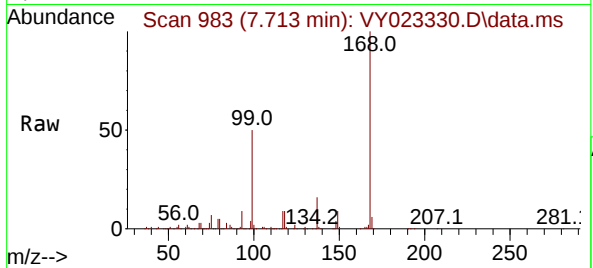




#38  
Carbon Tetrachloride  
Concen: 4.832 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

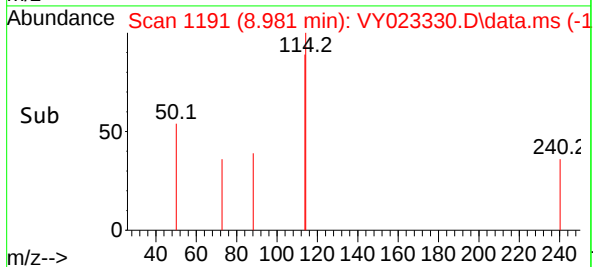
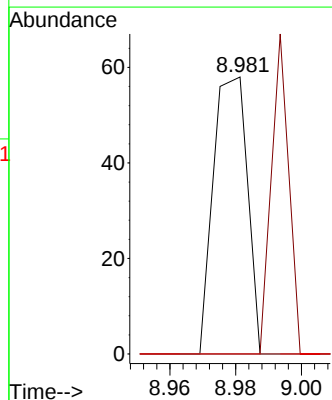
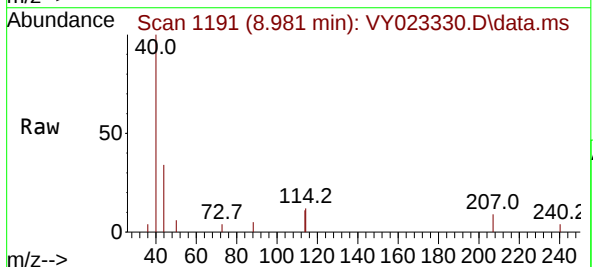
Instrument :  
MSVOA\_Y  
ClientSampleId :  
354

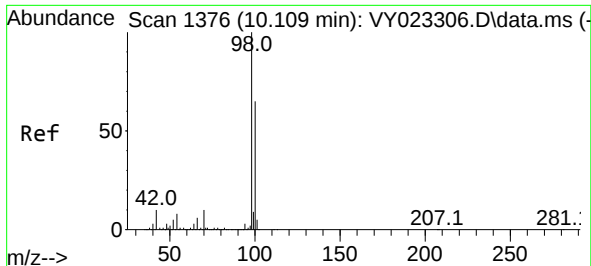
Tgt Ion:117 Resp: 52523  
Ion Ratio Lower Upper  
117 100  
119 5.8 75.6 113.4#  
121 0.0 25.8 38.8#



#49  
1,4-Dioxane  
Concen: 1.025 ug/l  
RT: 8.981 min Scan# 1191  
Delta R.T. -0.244 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

Tgt Ion: 88 Resp: 42  
Ion Ratio Lower Upper  
88 100  
43 59.5 24.3 36.5#  
58 0.0 55.4 83.0#

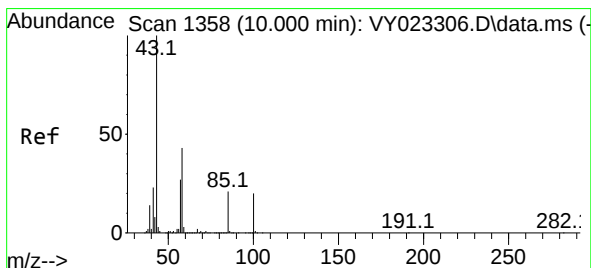
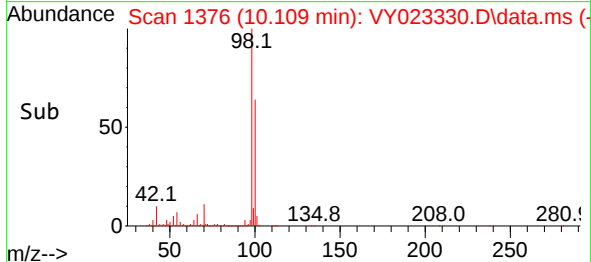
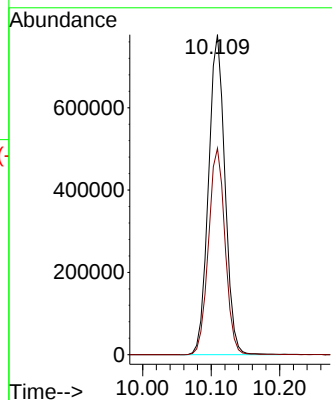
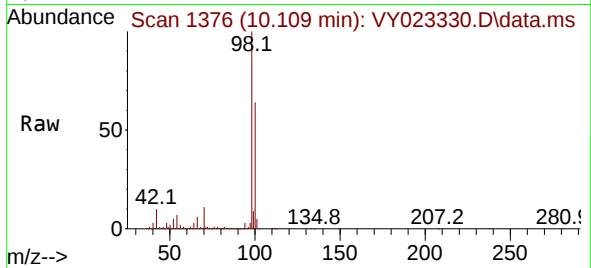




#50  
Toluene-d8  
Concen: 51.899 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

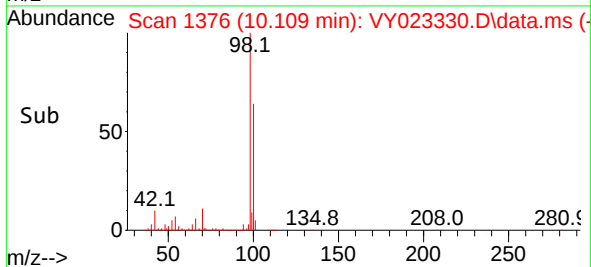
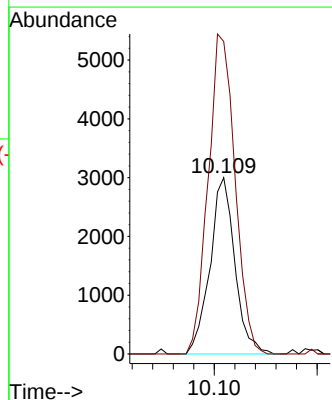
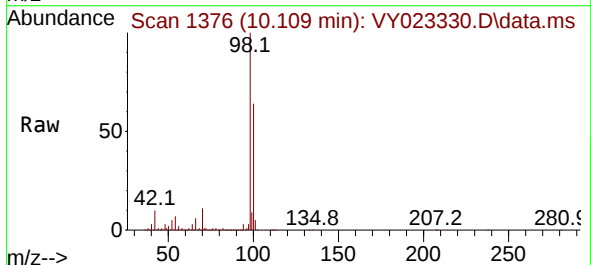
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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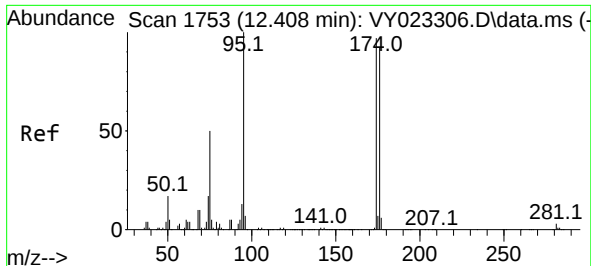
Tgt Ion: 98 Resp: 1299730  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.3 78.5



#51  
4-Methyl-2-Pentanone  
Concen: 1.349 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.116 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

Tgt Ion: 43 Resp: 5043  
Ion Ratio Lower Upper  
43 100  
58 195.9 33.5 50.3#

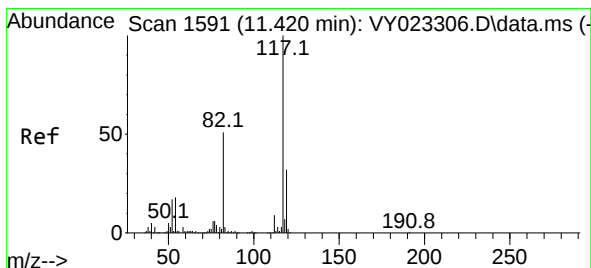
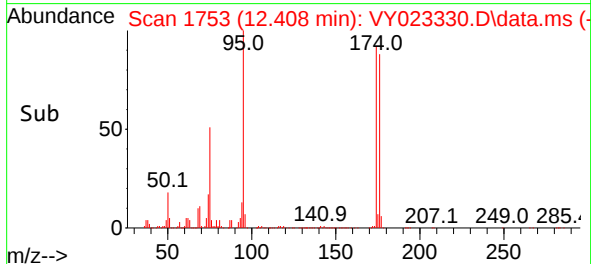
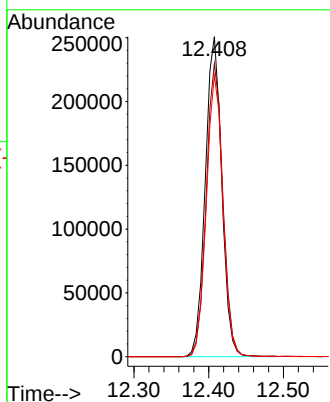
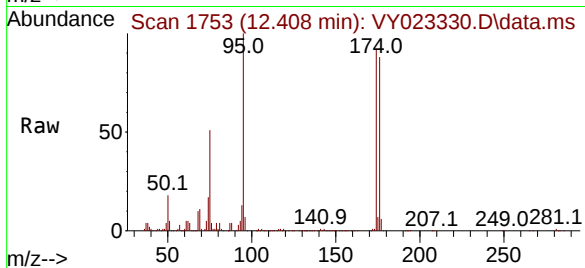




#62  
4-Bromofluorobenzene  
Concen: 48.684 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

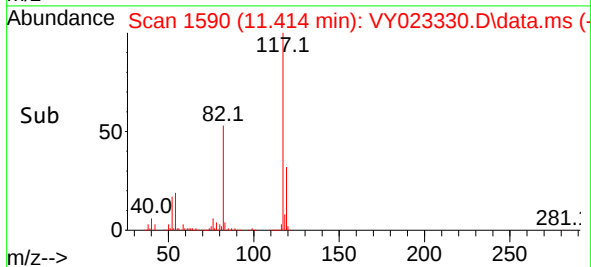
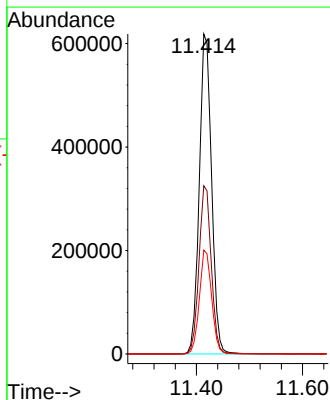
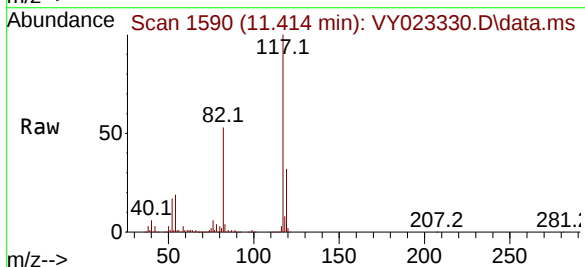
Instrument :  
MSVOA\_Y  
ClientSampleId :  
354

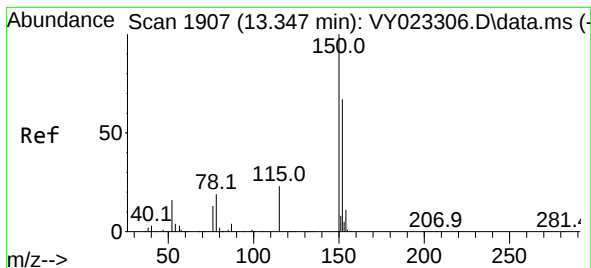
Tgt Ion: 95 Resp: 383685  
Ion Ratio Lower Upper  
95 100  
174 93.1 0.0 171.6  
176 88.4 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.006 min  
Lab File: VY023330.D  
Acq: 10 Sep 2025 14:02

Tgt Ion: 117 Resp: 997278  
Ion Ratio Lower Upper  
117 100  
82 52.6 43.4 65.0  
119 32.5 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023330.D

Acq: 10 Sep 2025 14:02

Instrument :

MSVOA\_Y

ClientSampleId :

354

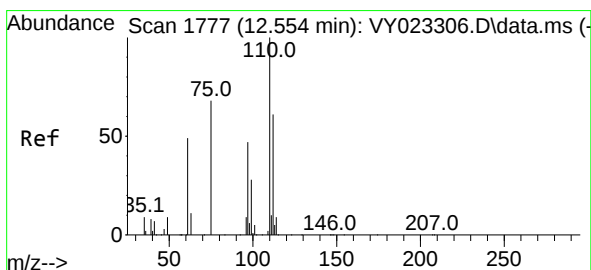
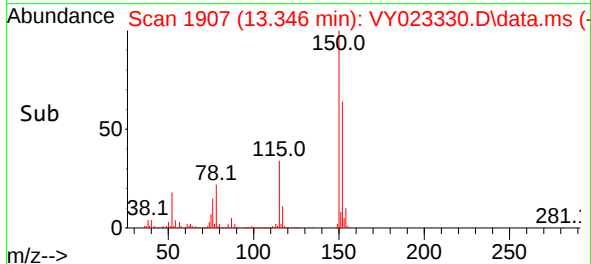
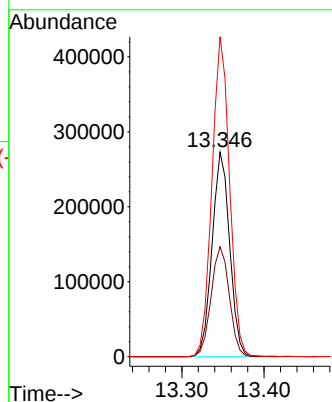
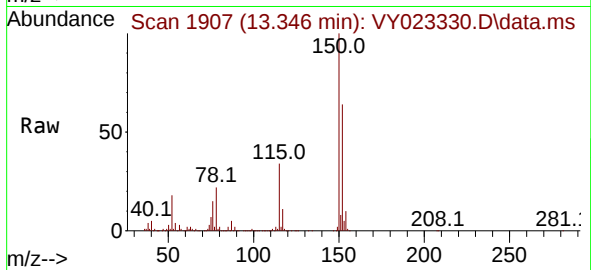
Tgt Ion:152 Resp: 405221

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.6

150 156.8 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 47.808 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023330.D

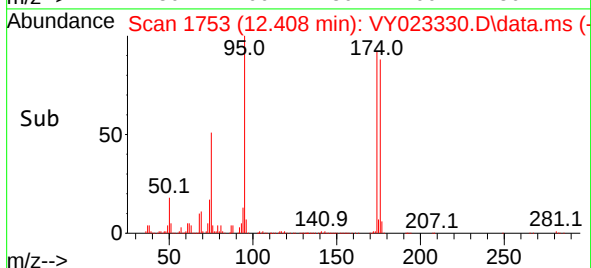
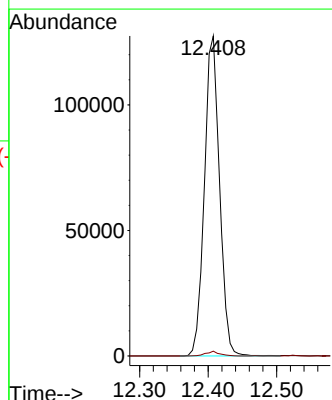
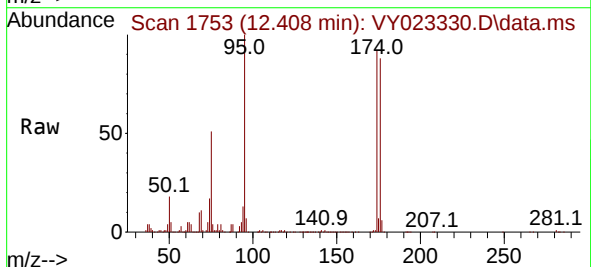
Acq: 10 Sep 2025 14:02

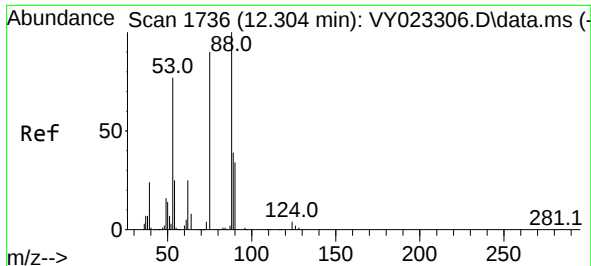
Tgt Ion: 75 Resp: 196187

Ion Ratio Lower Upper

75 100

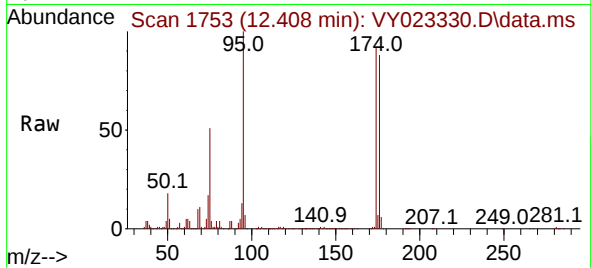
77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 130.378 ug/l  
 RT: 12.408 min Scan# 11  
 Delta R.T. 0.110 min  
 Lab File: VY023330.D  
 Acq: 10 Sep 2025 14:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 354



Tgt Ion: 75 Resp: 196187  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 70.8 106.2#  
 89 0.0 38.1 57.1#

