

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091125\  
 Data File : VY023347.D  
 Acq On : 11 Sep 2025 14:39  
 Operator : SY/MD  
 Sample : Q3082-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-29

Quant Time: Sep 12 01:28:16 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

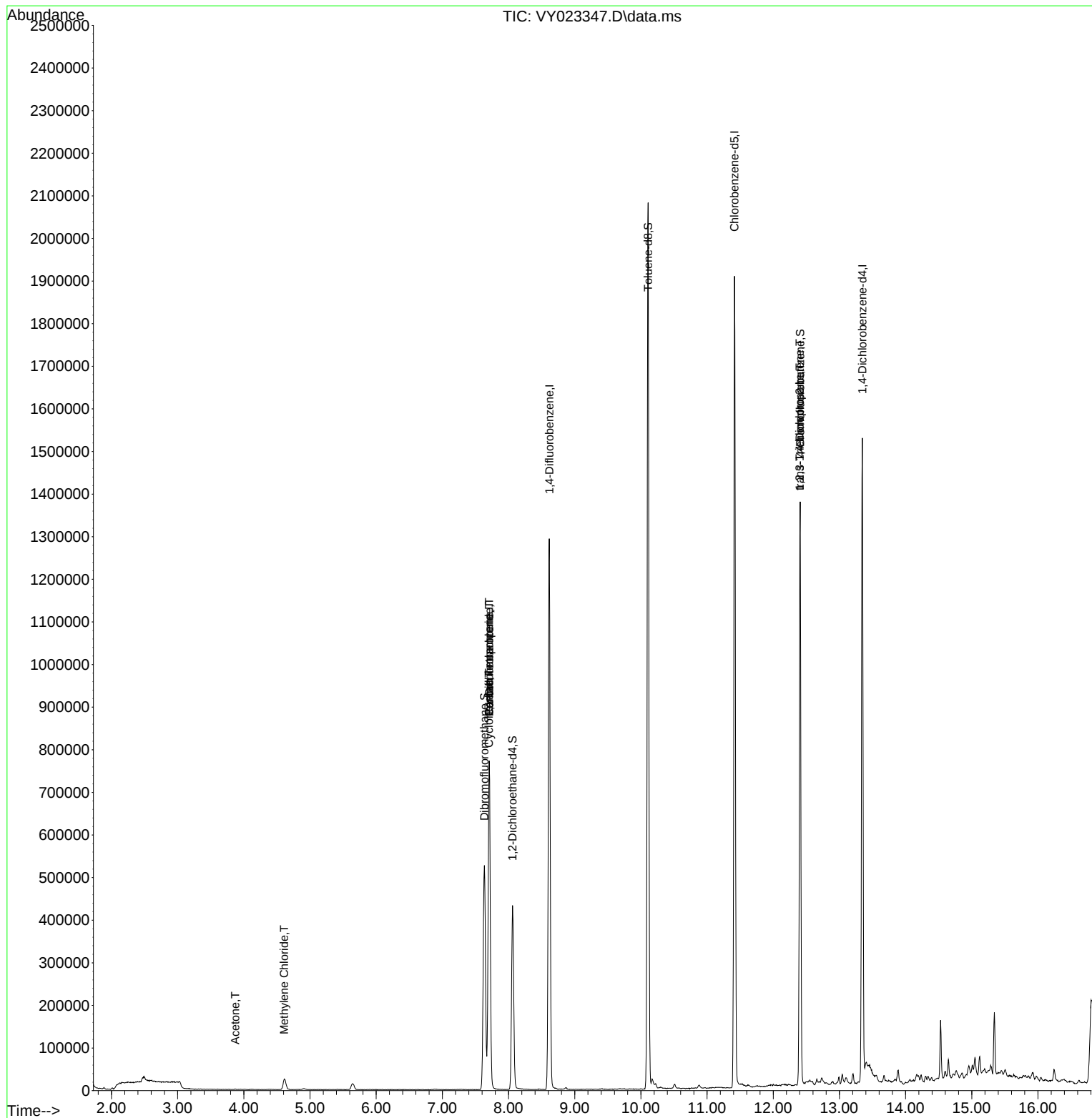
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 627367   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 1172447  | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 1064560  | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 406332   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 336870   | 61.107   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 122.220% |          |
| 35) Dibromofluoromethane      | 7.634  | 113   | 382572   | 53.381   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 106.760% |          |
| 50) Toluene-d8                | 10.109 | 98    | 1395438  | 51.564   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 103.120% |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 417407   | 49.012   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 98.020%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.873  | 43    | 1595     | 1.270    | ug/l       | 97       |
| 20) Methylene Chloride        | 4.610  | 84    | 19811    | 2.949    | ug/l       | 94       |
| 31) Cyclohexane               | 7.701  | 56    | 11028    | 1.143    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 44003    | 4.311    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 58047    | 4.942    | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75    | 207059   | 50.320   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75    | 207059   | 137.226  | ug/l #     | 14       |
| -----                         |        |       |          |          |            |          |

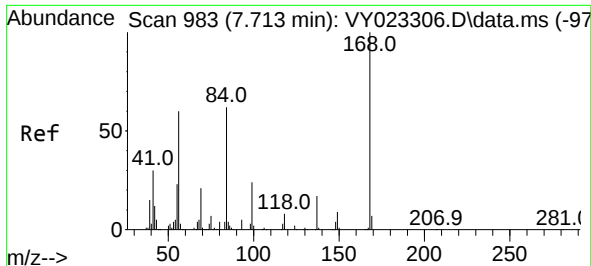
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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ClientSampleId :  
WC-29

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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

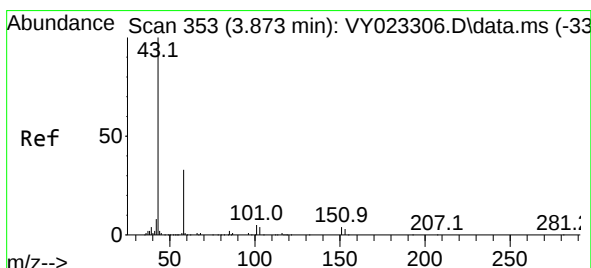
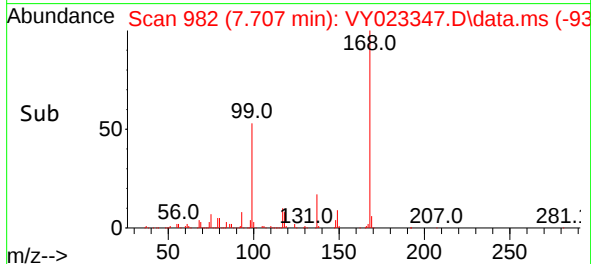
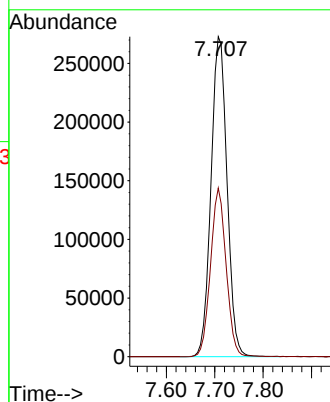
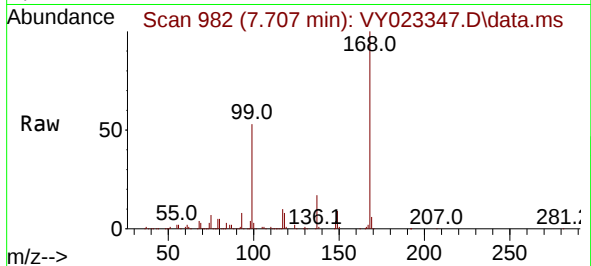




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY023347.D  
Acq: 11 Sep 2025 14:39

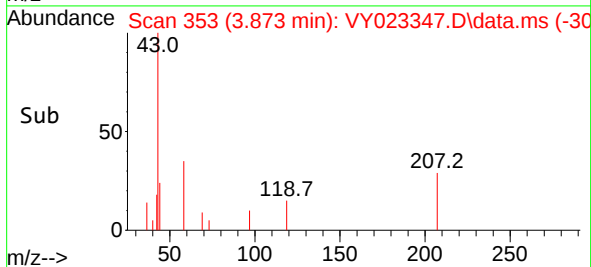
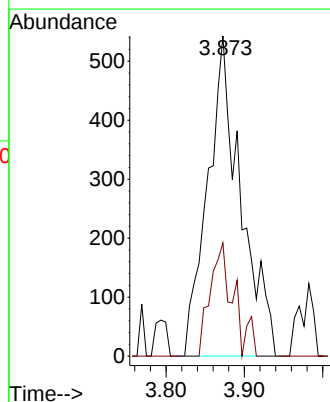
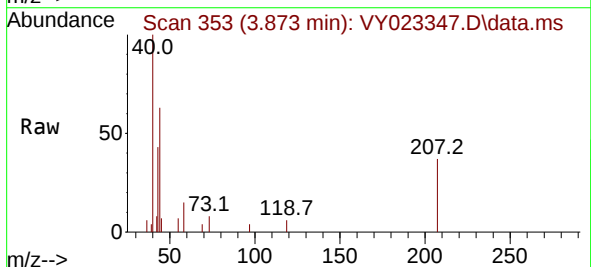
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-29

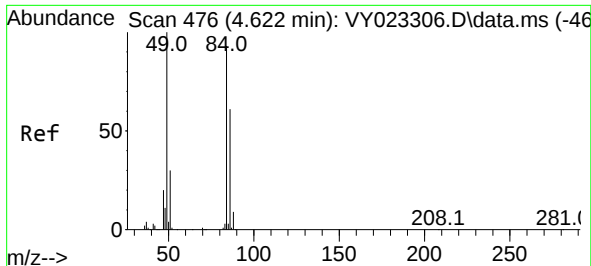
Tgt Ion:168 Resp: 627367  
Ion Ratio Lower Upper  
168 100  
99 52.7 42.8 64.2



#16  
Acetone  
Concen: 1.270 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.012 min  
Lab File: VY023347.D  
Acq: 11 Sep 2025 14:39

Tgt Ion: 43 Resp: 1595  
Ion Ratio Lower Upper  
43 100  
58 35.4 27.1 40.7





#20

Methylene Chloride

Concen: 2.949 ug/l

RT: 4.610 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY023347.D

Acq: 11 Sep 2025 14:39

Instrument :

MSVOA\_Y

ClientSampleId :

WC-29

Tgt Ion: 84 Resp: 19811

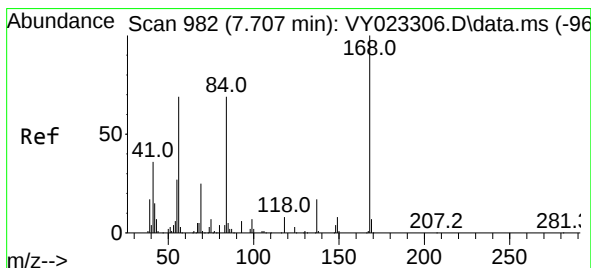
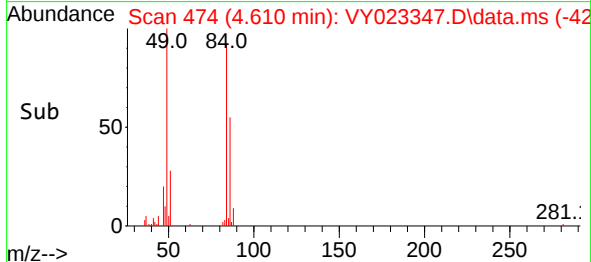
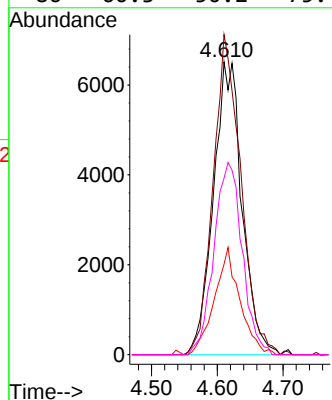
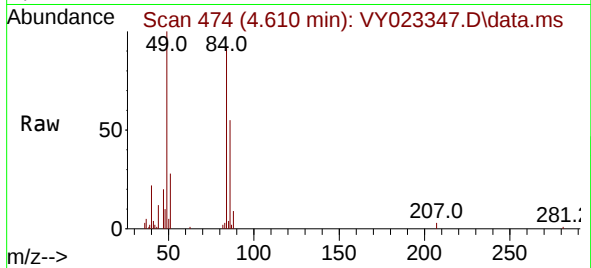
Ion Ratio Lower Upper

84 100

49 109.3 93.0 139.6

51 30.9 29.0 43.4

86 60.3 50.2 75.4



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023347.D

Acq: 11 Sep 2025 14:39

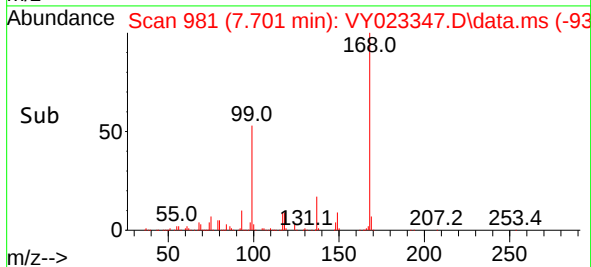
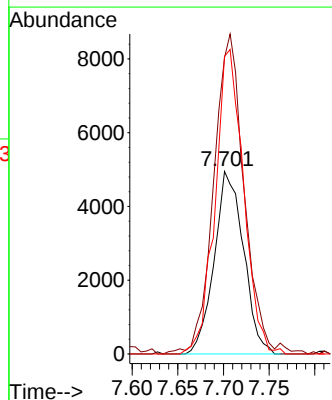
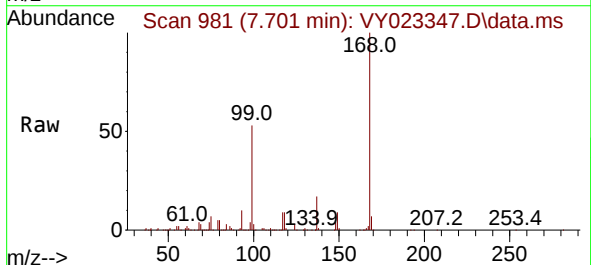
Tgt Ion: 56 Resp: 11028

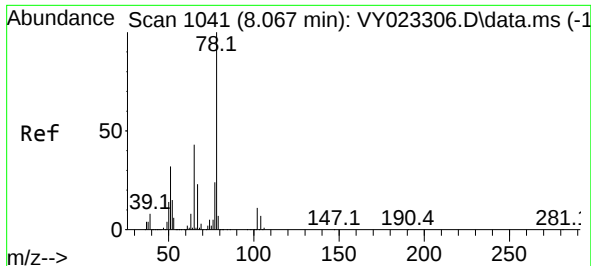
Ion Ratio Lower Upper

56 100

69 159.4 28.2 42.2#

84 163.0 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 61.107 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023347.D

Acq: 11 Sep 2025 14:39

Instrument :

MSVOA\_Y

ClientSampleId :

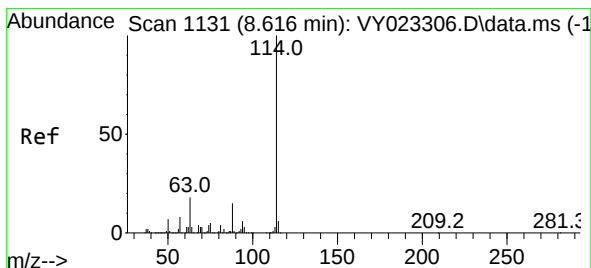
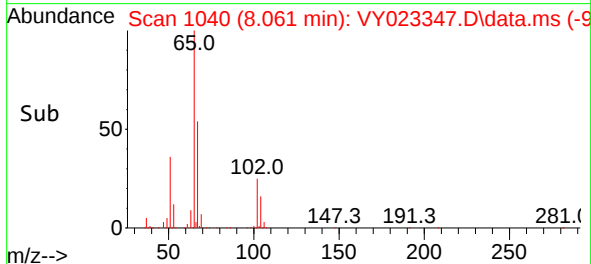
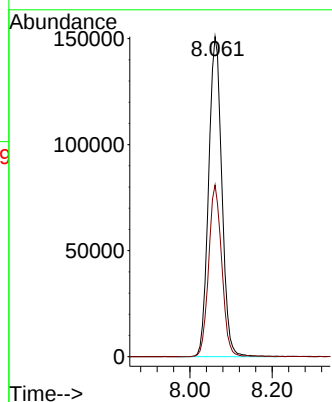
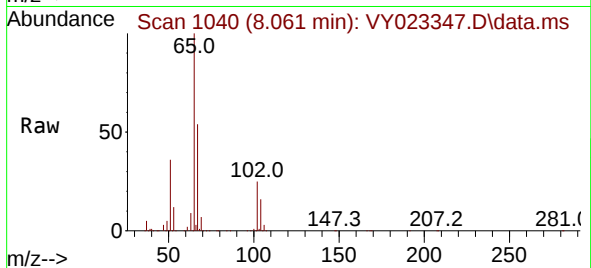
WC-29

Tgt Ion: 65 Resp: 336870

Ion Ratio Lower Upper

65 100

67 53.0 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: VY023347.D

Acq: 11 Sep 2025 14:39

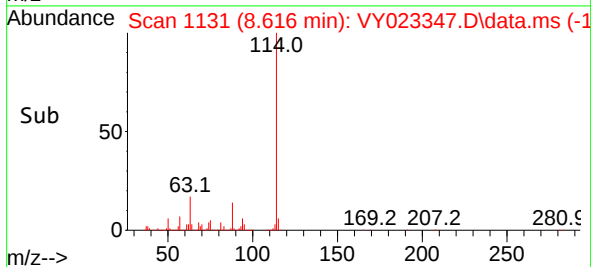
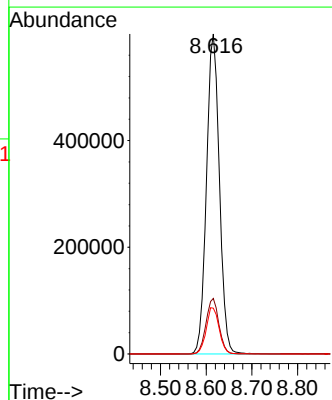
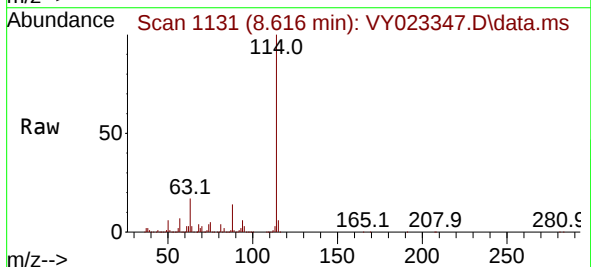
Tgt Ion:114 Resp: 1172447

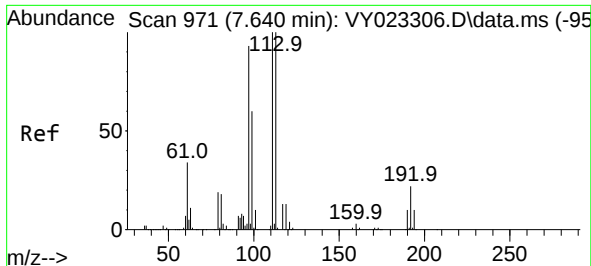
Ion Ratio Lower Upper

114 100

63 17.3 0.0 38.4

88 14.3 0.0 30.0

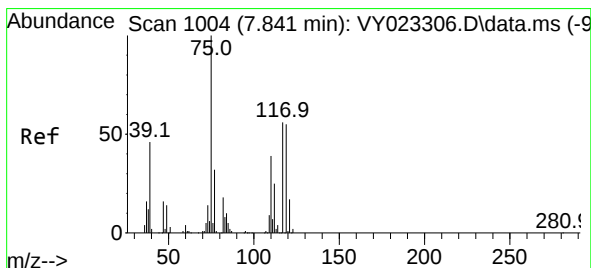
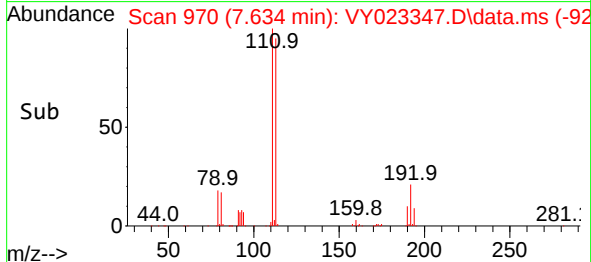
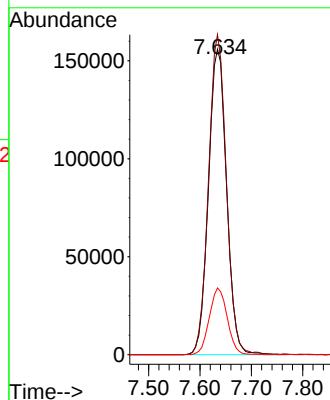
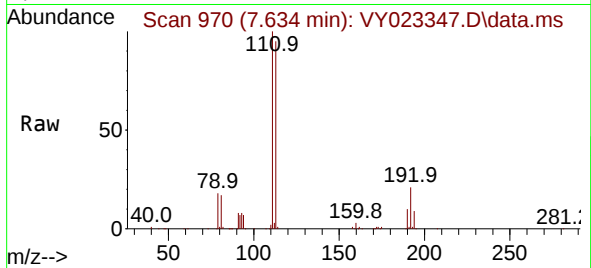




#35  
Dibromofluoromethane  
Concen: 53.381 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023347.D  
Acq: 11 Sep 2025 14:39

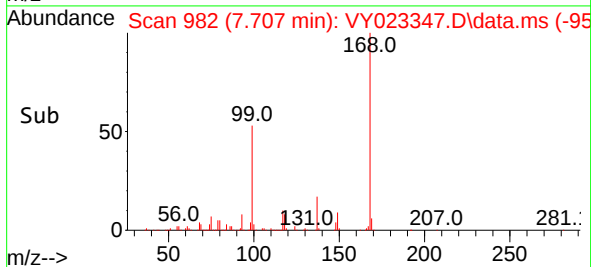
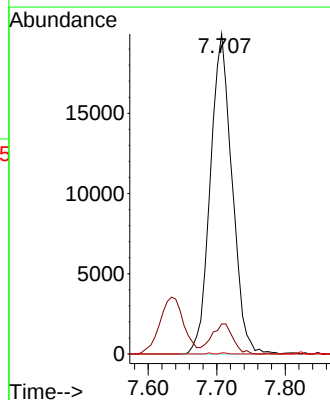
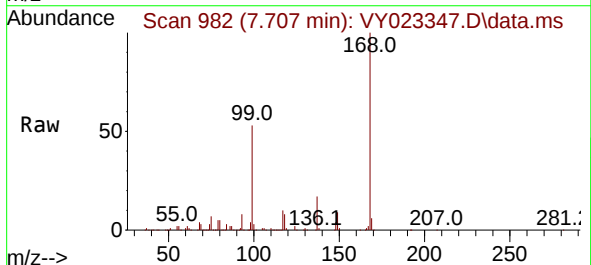
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-29

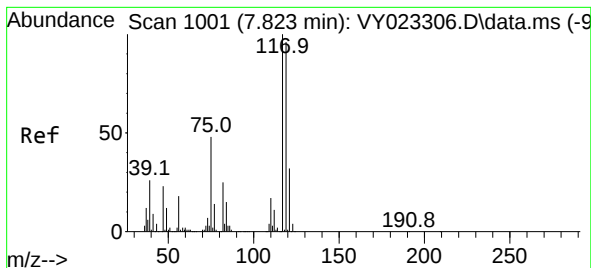
Tgt Ion:113 Resp: 382572  
Ion Ratio Lower Upper  
113 100  
111 103.1 81.1 121.7  
192 21.6 16.2 24.4



#36  
1,1-Dichloropropene  
Concen: 4.311 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.122 min  
Lab File: VY023347.D  
Acq: 11 Sep 2025 14:39

Tgt Ion: 75 Resp: 44003  
Ion Ratio Lower Upper  
75 100  
110 9.2 18.1 54.4#  
77 0.1 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.942 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY023347.D

Acq: 11 Sep 2025 14:39

Instrument :

MSVOA\_Y

ClientSampleId :

WC-29

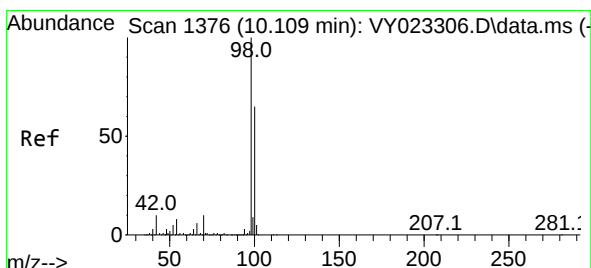
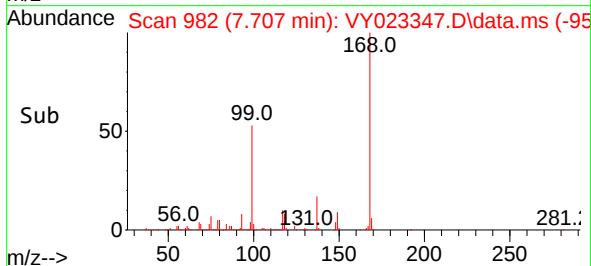
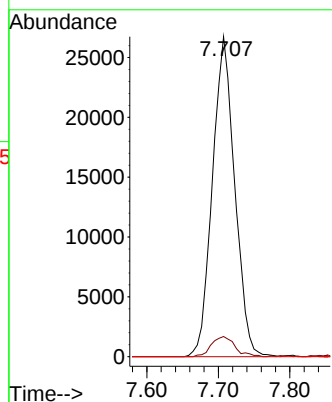
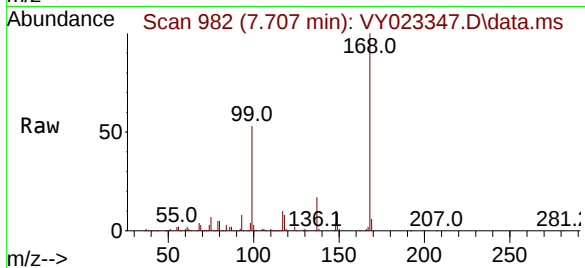
Tgt Ion:117 Resp: 58047

Ion Ratio Lower Upper

117 100

119 6.3 75.6 113.4#

121 0.0 25.8 38.8#



#50

Toluene-d8

Concen: 51.564 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023347.D

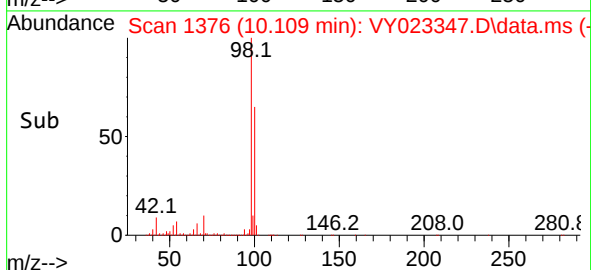
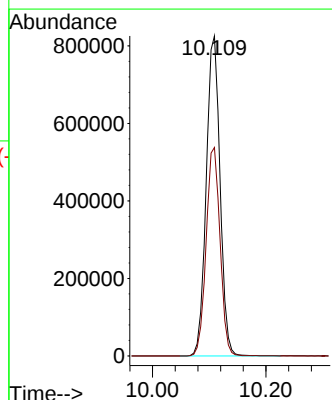
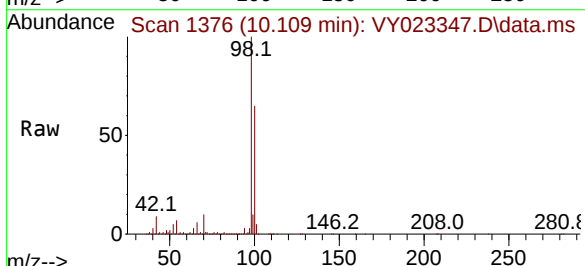
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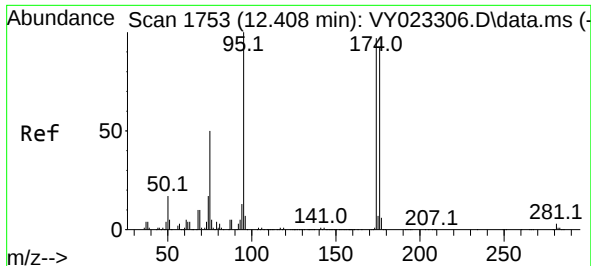
Tgt Ion: 98 Resp: 1395438

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5

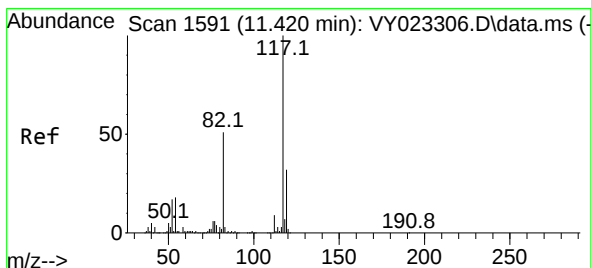
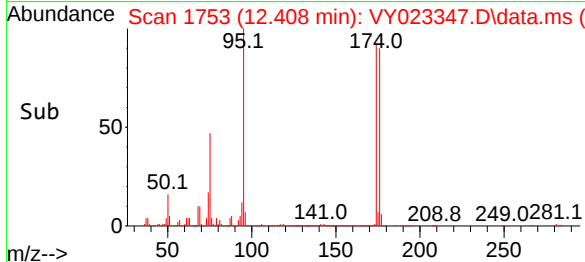
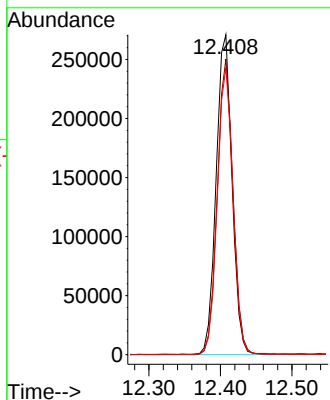
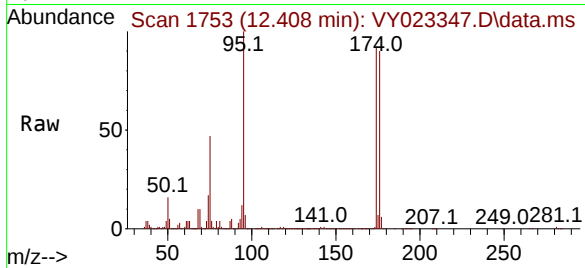




#62  
4-Bromofluorobenzene  
Concen: 49.012 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023347.D  
Acq: 11 Sep 2025 14:39

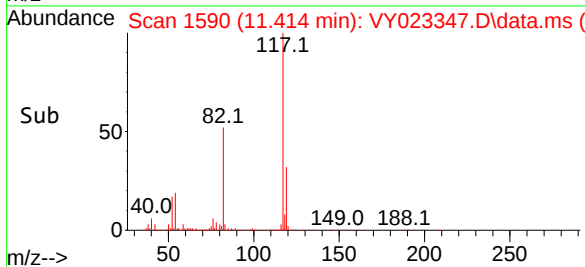
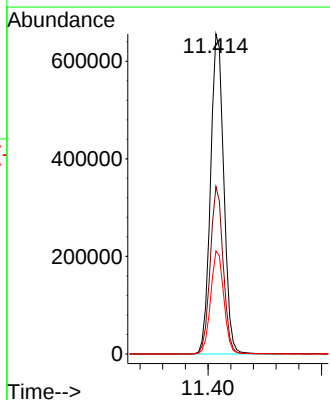
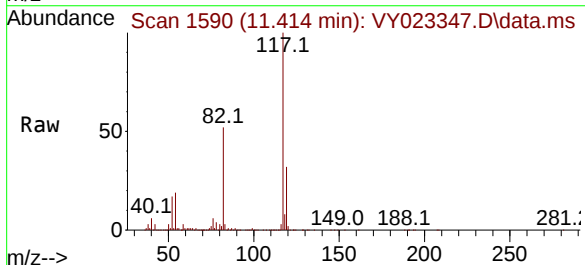
Instrument :  
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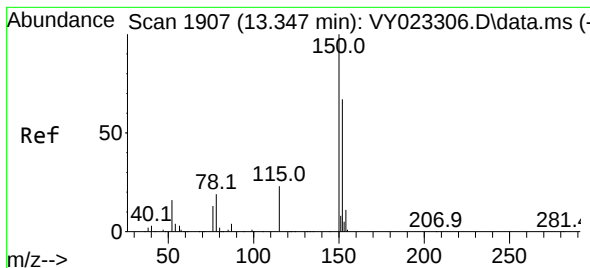
Tgt Ion: 95 Resp: 417407  
Ion Ratio Lower Upper  
95 100  
174 91.5 0.0 171.6  
176 88.9 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.006 min  
Lab File: VY023347.D  
Acq: 11 Sep 2025 14:39

Tgt Ion: 117 Resp: 1064560  
Ion Ratio Lower Upper  
117 100  
82 52.3 43.4 65.0  
119 32.1 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: VY023347.D

Acq: 11 Sep 2025 14:39

Instrument :

MSVOA\_Y

ClientSampleId :

WC-29

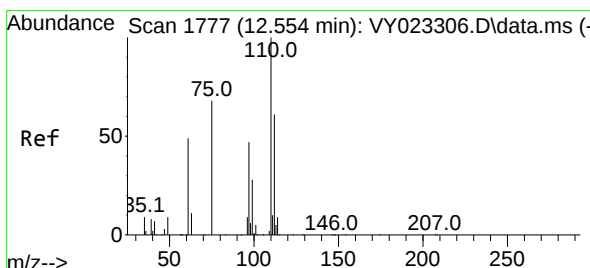
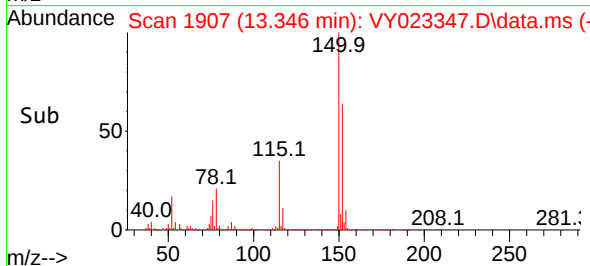
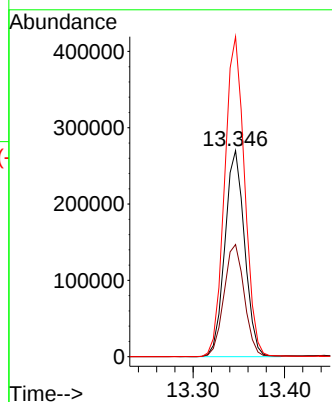
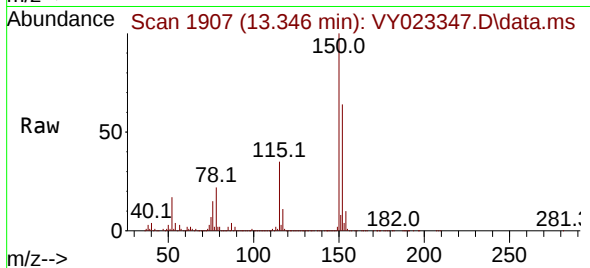
Tgt Ion:152 Resp: 406332

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.6

150 157.2 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 50.320 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023347.D

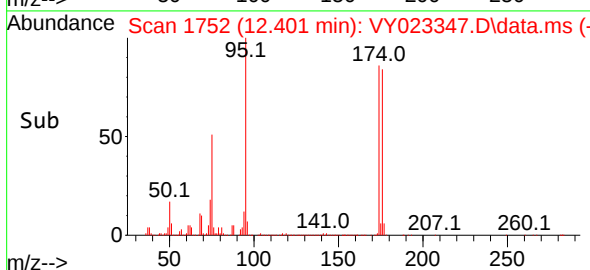
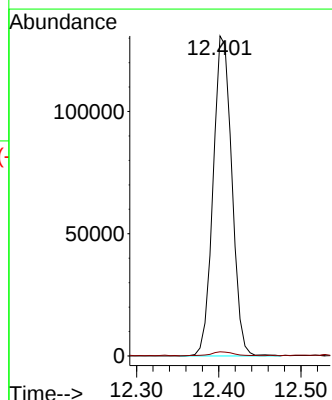
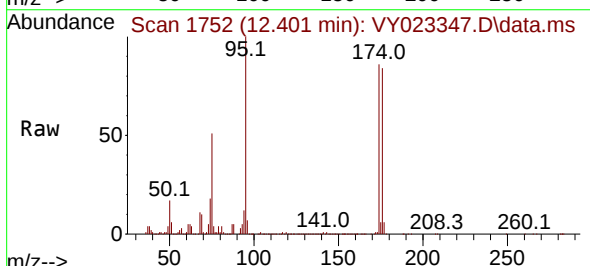
Acq: 11 Sep 2025 14:39

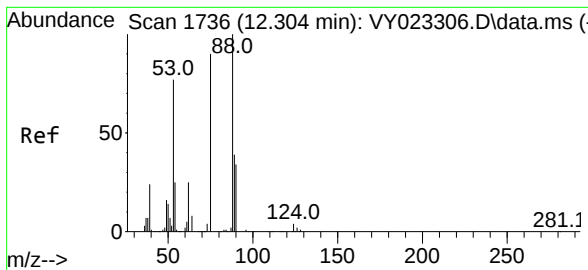
Tgt Ion: 75 Resp: 207059

Ion Ratio Lower Upper

75 100

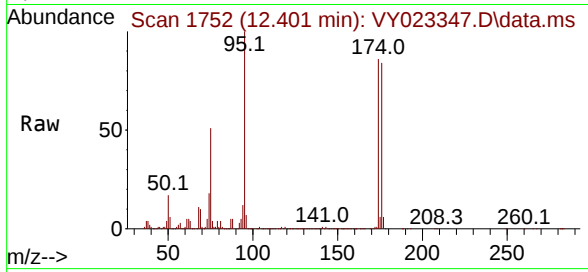
77 1.5 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 137.226 ug/l  
RT: 12.401 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY023347.D  
Acq: 11 Sep 2025 14:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-29



Tgt Ion: 75 Resp: 207059  
Ion Ratio Lower Upper  
75 100  
53 0.1 70.8 106.2#  
89 0.0 38.1 57.1#

