

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090325\  
 Data File : VY023270.D  
 Acq On : 03 Sep 2025 10:26  
 Operator : SY/MD  
 Sample : VY0903SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0903SBL01

Quant Time: Sep 04 01:14:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 13 02:10:11 2025  
 Response via : Initial Calibration

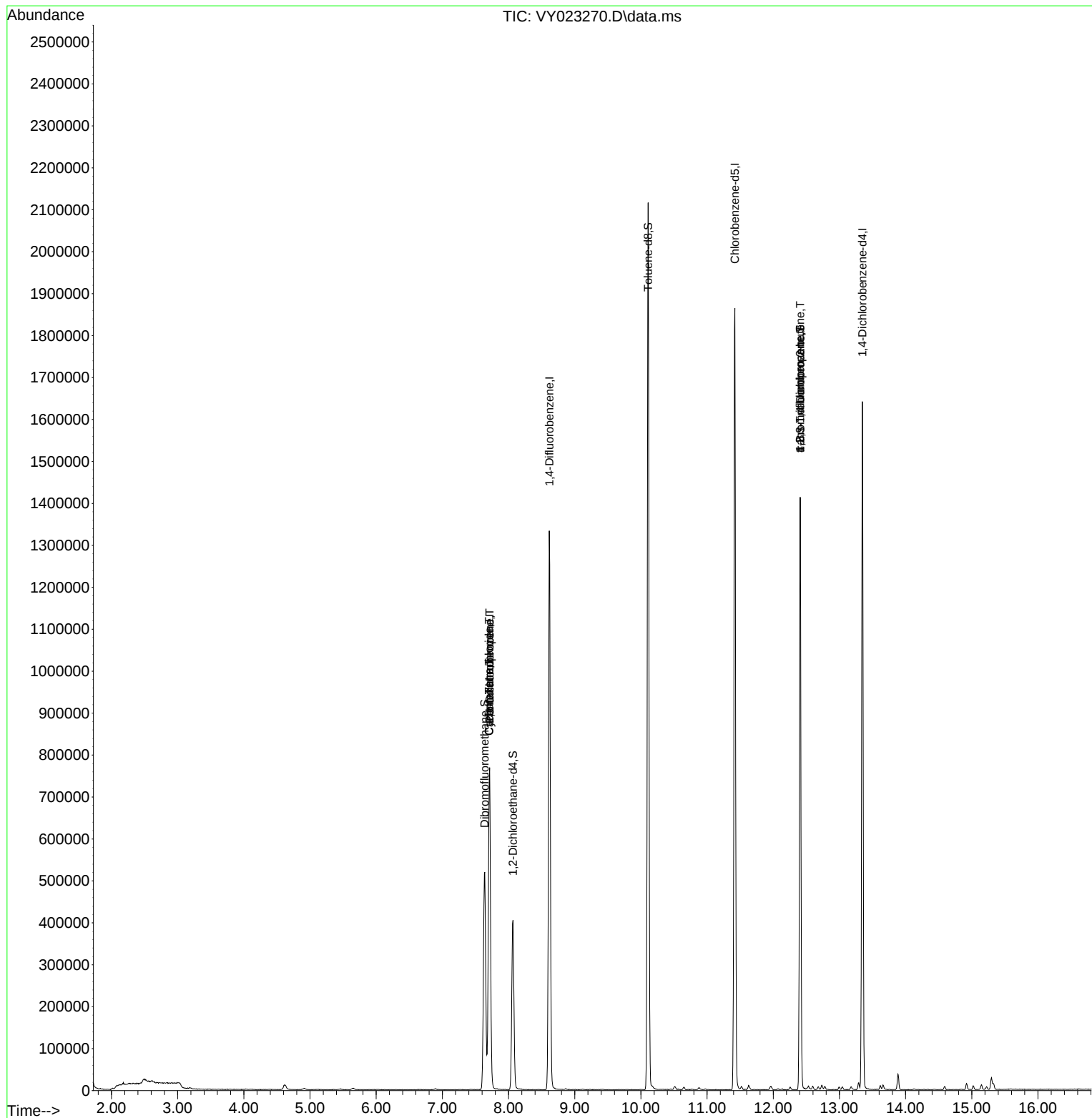
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.713     | 168   | 630088   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 1178711  | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420    | 117   | 1068535  | 50.000    | ug/l       | 0.01     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 421744   | 50.000    | ug/l       | 0.00     |
|                               |           |       |          |           |            |          |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.067     | 65    | 319130   | 53.143    | ug/l       | 0.01     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 106.280% |          |
| 35) Dibromofluoromethane      | 7.640     | 113   | 375113   | 53.185    | ug/l       | 0.01     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 106.360% |          |
| 50) Toluene-d8                | 10.109    | 98    | 1394949  | 50.627    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 101.260% |          |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 411547   | 46.444    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 92.880%  |          |
|                               |           |       |          |           |            |          |
| Target Compounds              |           |       |          |           |            | Qvalue   |
| 20) Methylene Chloride        | 4.622     | 84    | 9195     | Below Cal | #          | 73       |
| 31) Cyclohexane               | 7.707     | 56    | 11758    | 1.051     | ug/l #     | 2        |
| 36) 1,1-Dichloropropene       | 7.713     | 75    | 44992    | 4.292     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.707     | 117   | 58918    | 5.175     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.408    | 75    | 205672   | 50.530    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408    | 75    | 205672   | 122.317   | ug/l #     | 14       |
| -----                         |           |       |          |           |            |          |

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

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Quant Time: Sep 04 01:14:40 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 13 02:10:11 2025  
Response via : Initial Calibration

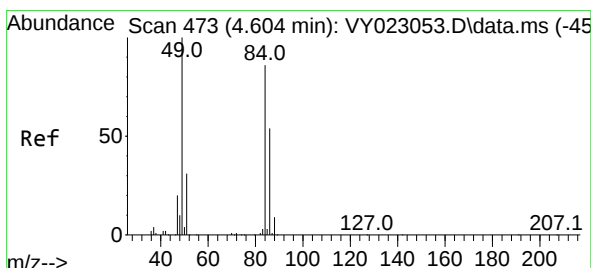
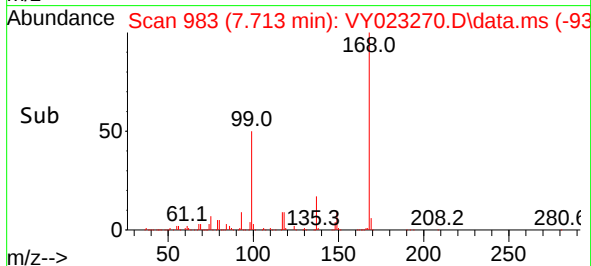
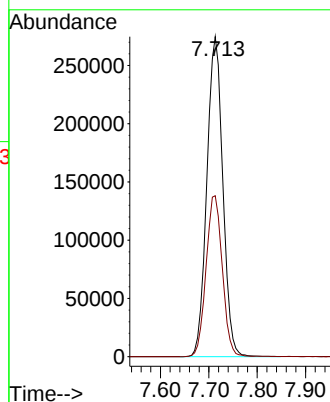
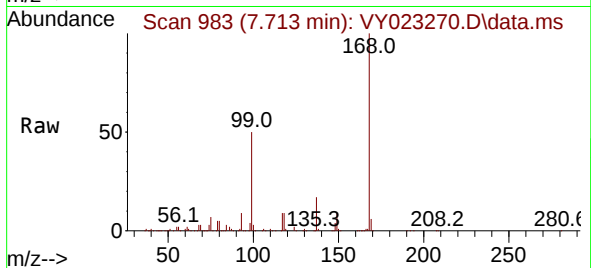




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023270.D  
Acq: 03 Sep 2025 10:26

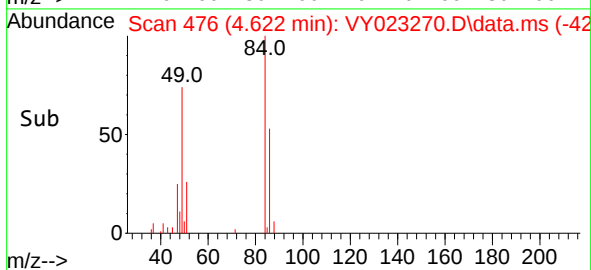
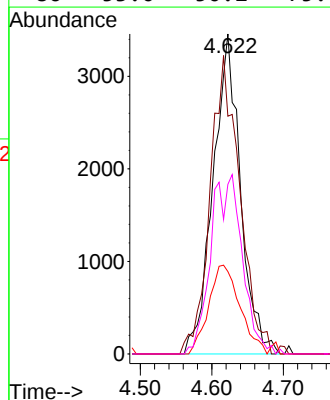
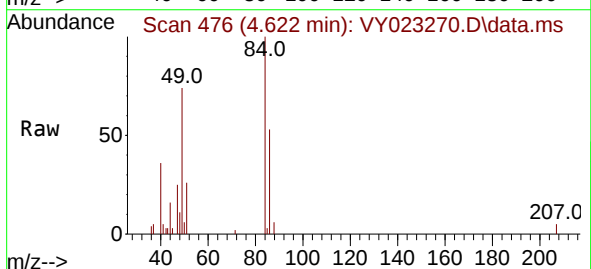
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0903SBL01

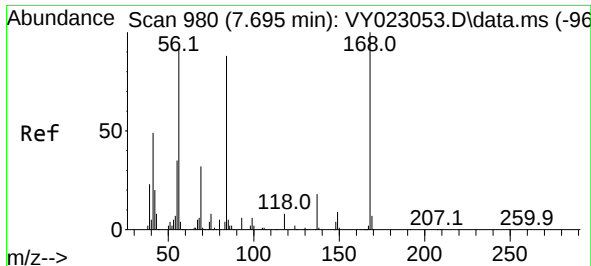
Tgt Ion:168 Resp: 630088  
Ion Ratio Lower Upper  
168 100  
99 50.3 42.8 64.2



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.622 min Scan# 476  
Delta R.T. 0.018 min  
Lab File: VY023270.D  
Acq: 03 Sep 2025 10:26

Tgt Ion: 84 Resp: 9195  
Ion Ratio Lower Upper  
84 100  
49 74.3 93.0 139.6#  
51 25.8 29.0 43.4#  
86 53.0 50.2 75.4

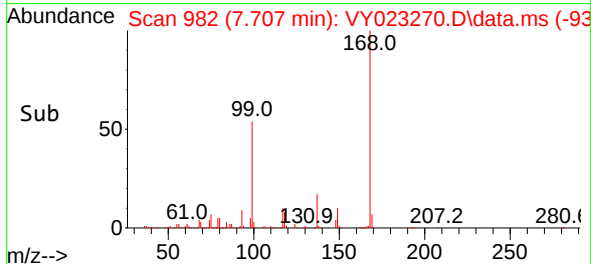
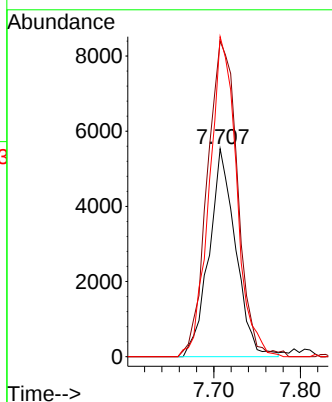
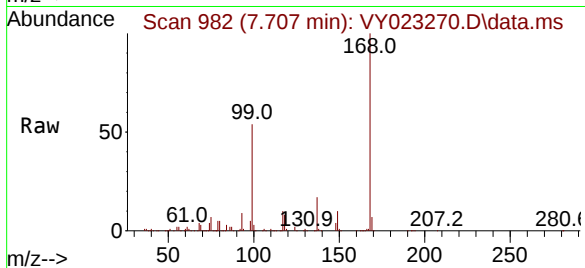




#31  
Cyclohexane  
Concen: 1.051 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY023270.D  
Acq: 03 Sep 2025 10:26

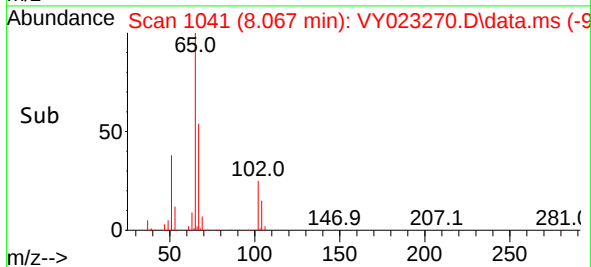
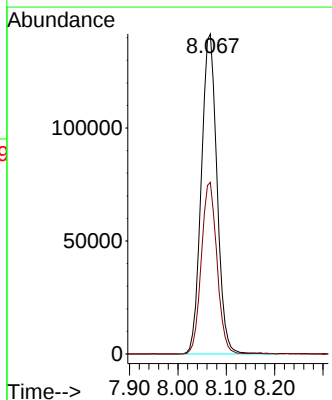
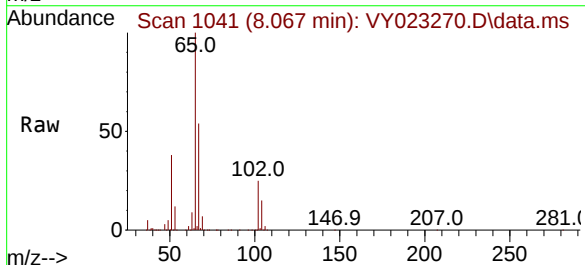
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0903SBL01

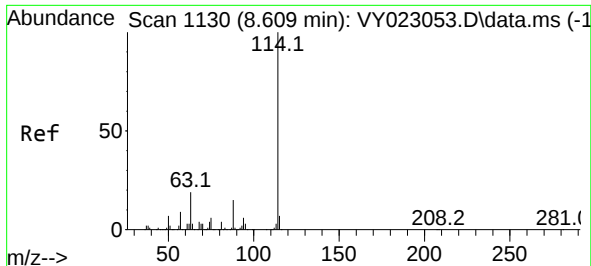
Tgt Ion: 56 Resp: 11758  
Ion Ratio Lower Upper  
56 100  
69 151.8 28.2 42.2#  
84 153.9 76.6 114.8#



#33  
1,2-Dichloroethane-d4  
Concen: 53.143 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.012 min  
Lab File: VY023270.D  
Acq: 03 Sep 2025 10:26

Tgt Ion: 65 Resp: 319130  
Ion Ratio Lower Upper  
65 100  
67 53.4 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: VY023270.D

Acq: 03 Sep 2025 10:26

Instrument :

MSVOA\_Y

ClientSampleId :

VY0903SBL01

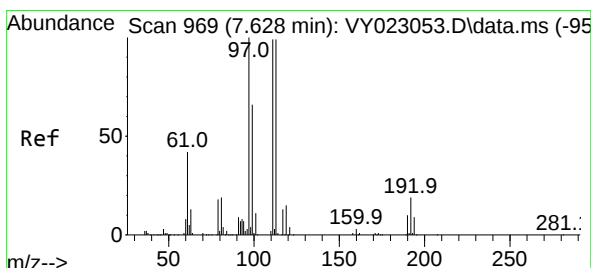
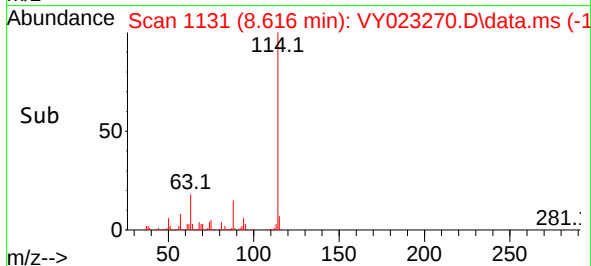
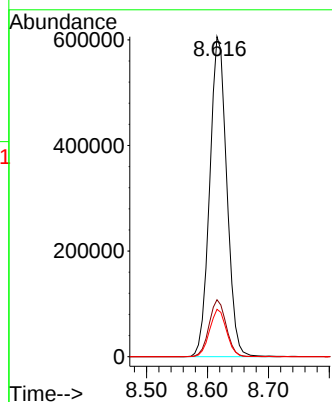
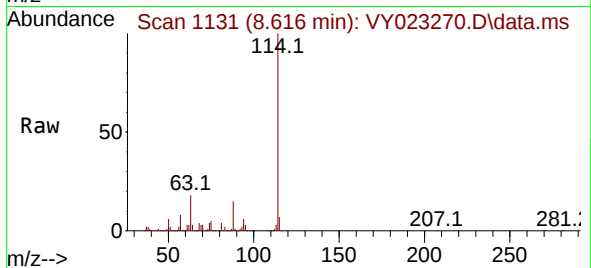
Tgt Ion:114 Resp: 1178711

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

88 14.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.185 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023270.D

Acq: 03 Sep 2025 10:26

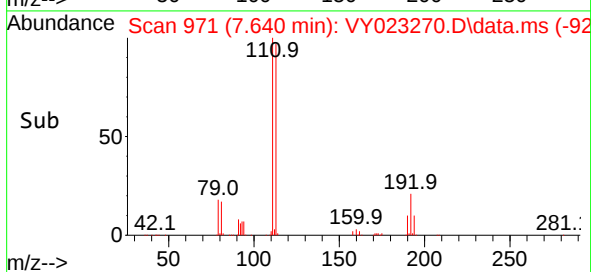
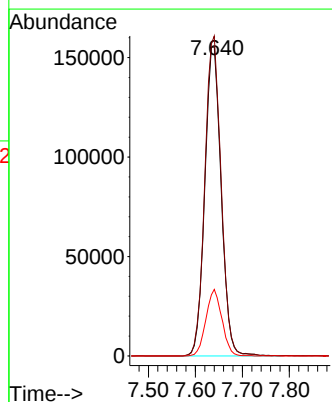
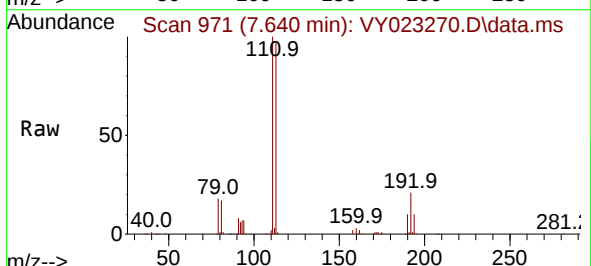
Tgt Ion:113 Resp: 375113

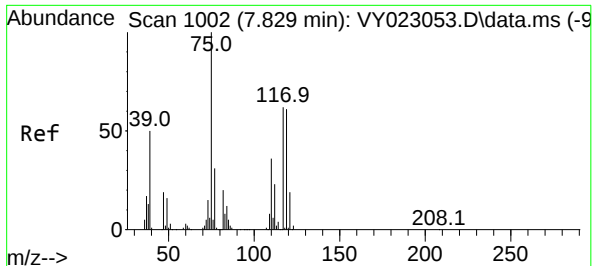
Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

192 21.1 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.292 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY023270.D

Acq: 03 Sep 2025 10:26

Instrument :

MSVOA\_Y

ClientSampleId :

VY0903SBL01

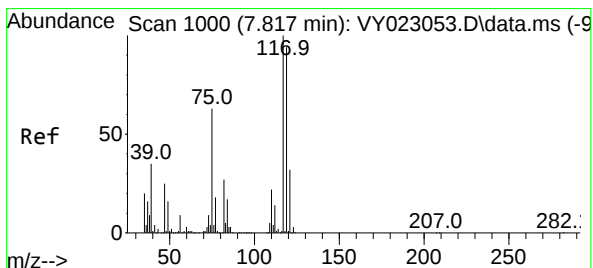
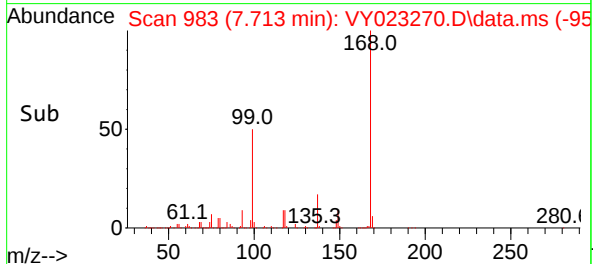
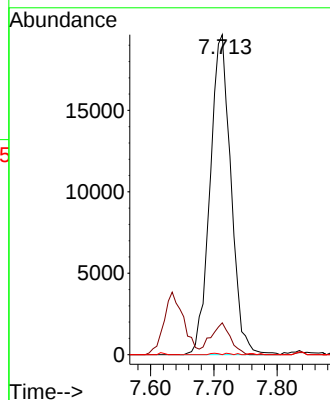
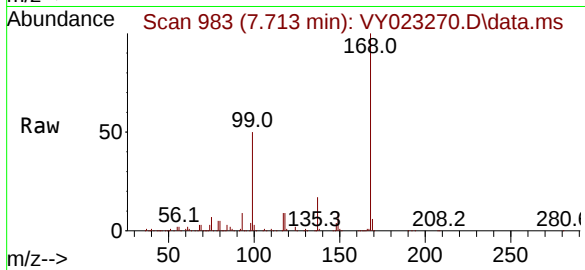
Tgt Ion: 75 Resp: 44992

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.4#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.175 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023270.D

Acq: 03 Sep 2025 10:26

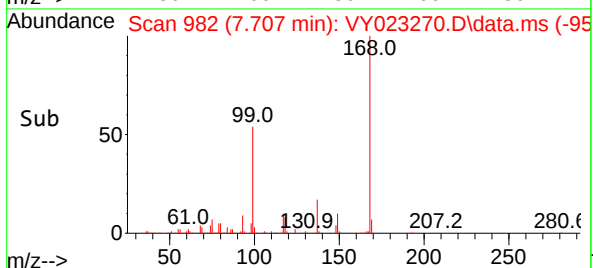
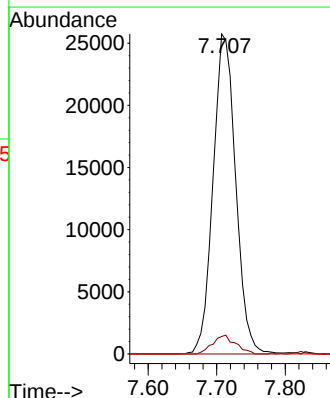
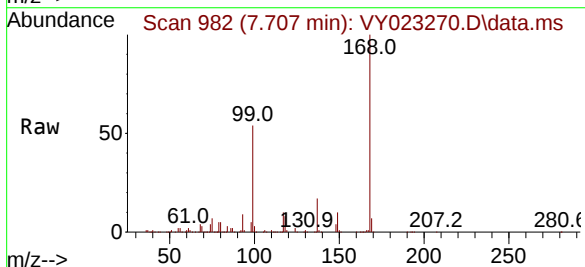
Tgt Ion: 117 Resp: 58918

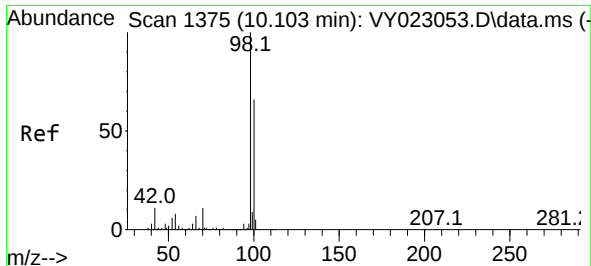
Ion Ratio Lower Upper

117 100

119 5.5 75.6 113.4#

121 0.0 25.8 38.8#

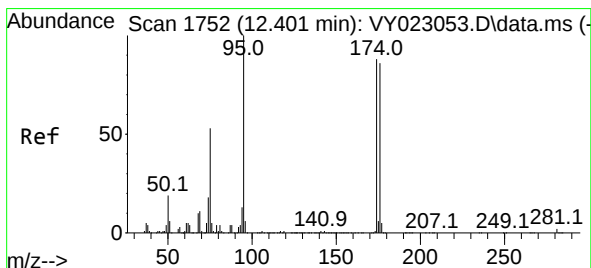
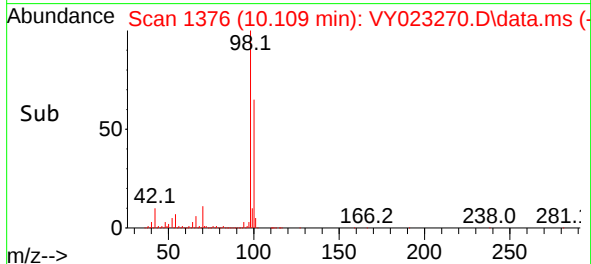
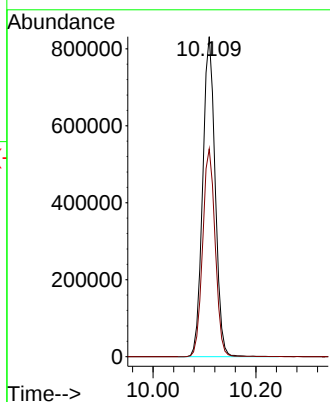
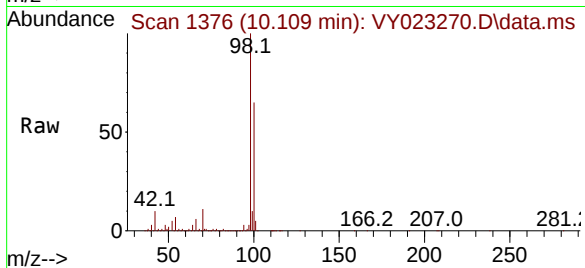




#50  
Toluene-d8  
Concen: 50.627 ug/l  
RT: 10.109 min Scan# 1375  
Delta R.T. 0.006 min  
Lab File: VY023270.D  
Acq: 03 Sep 2025 10:26

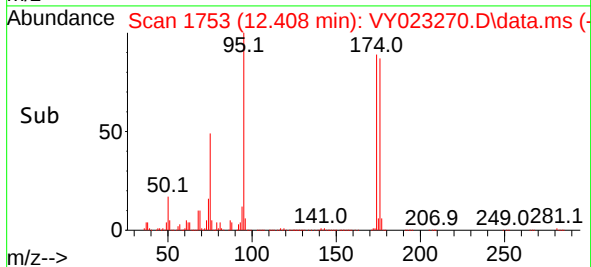
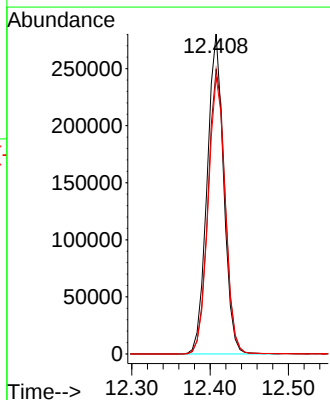
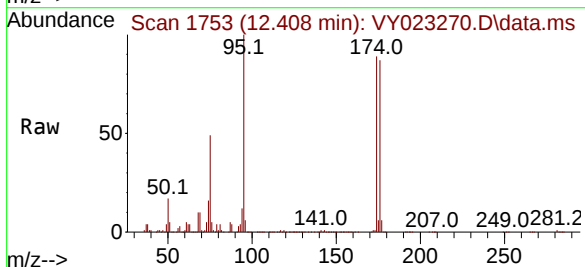
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0903SBL01

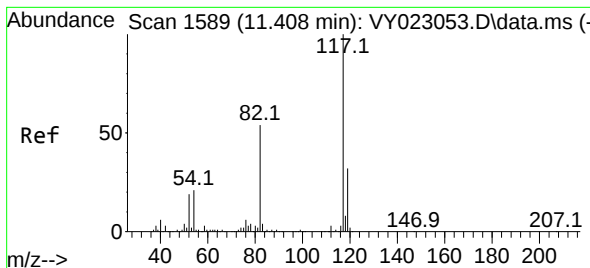
Tgt Ion: 98 Resp: 1394949  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 46.444 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023270.D  
Acq: 03 Sep 2025 10:26

Tgt Ion: 95 Resp: 411547  
Ion Ratio Lower Upper  
95 100  
174 92.3 0.0 171.6  
176 88.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023270.D

Acq: 03 Sep 2025 10:26

Instrument :

MSVOA\_Y

ClientSampleId :

VY0903SBL01

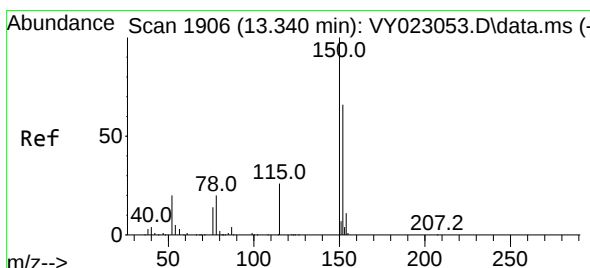
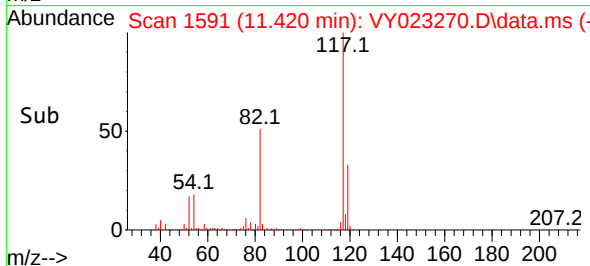
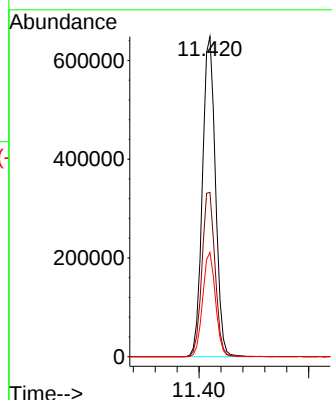
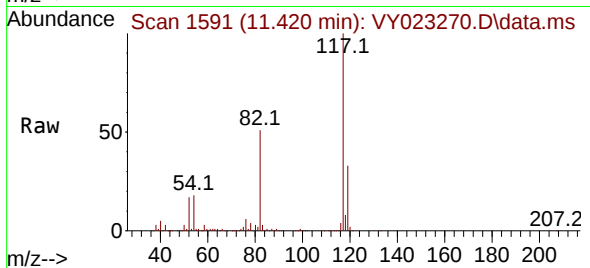
Tgt Ion:117 Resp: 1068535

Ion Ratio Lower Upper

117 100

82 51.3 43.4 65.0

119 32.6 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: VY023270.D

Acq: 03 Sep 2025 10:26

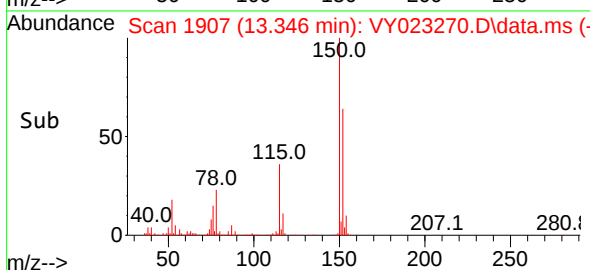
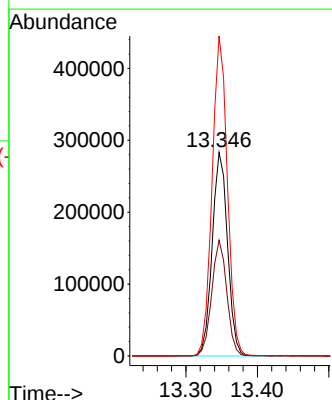
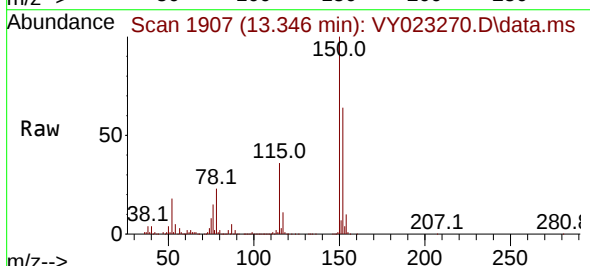
Tgt Ion:152 Resp: 421744

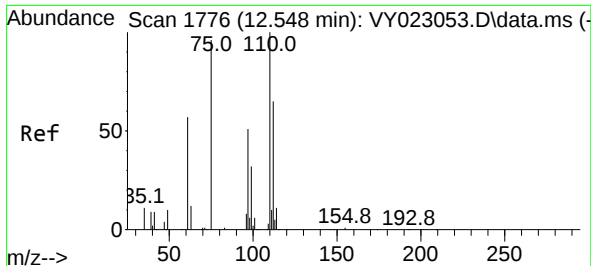
Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.6

150 156.1 0.0 348.0

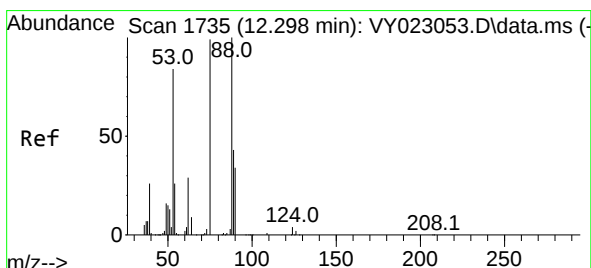
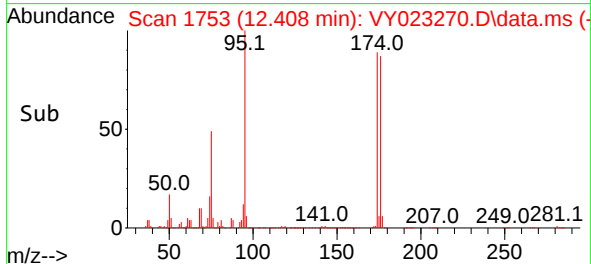
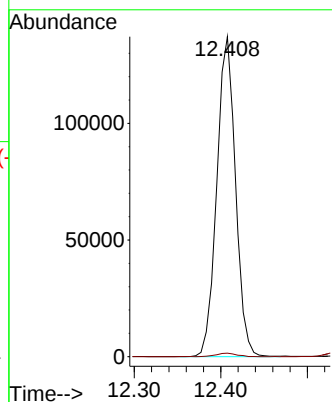
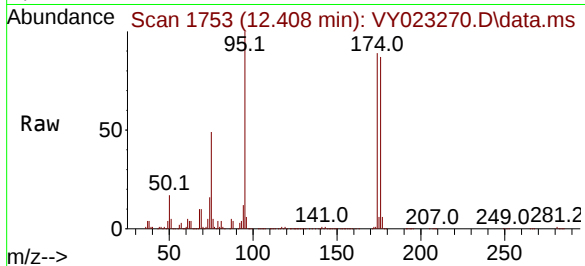




#76  
1,2,3-Trichloropropane  
Concen: 50.530 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.140 min  
Lab File: VY023270.D  
Acq: 03 Sep 2025 10:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0903SBL01

Tgt Ion: 75 Resp: 205672  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 122.317 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.110 min  
Lab File: VY023270.D  
Acq: 03 Sep 2025 10:26

Tgt Ion: 75 Resp: 205672  
Ion Ratio Lower Upper  
75 100  
53 0.2 70.8 106.2#  
89 0.0 38.1 57.1#

