

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022025\  
 Data File : VY021248.D  
 Acq On : 20 Feb 2025 14:33  
 Operator : SY/MD  
 Sample : VY0220SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 21 02:40:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

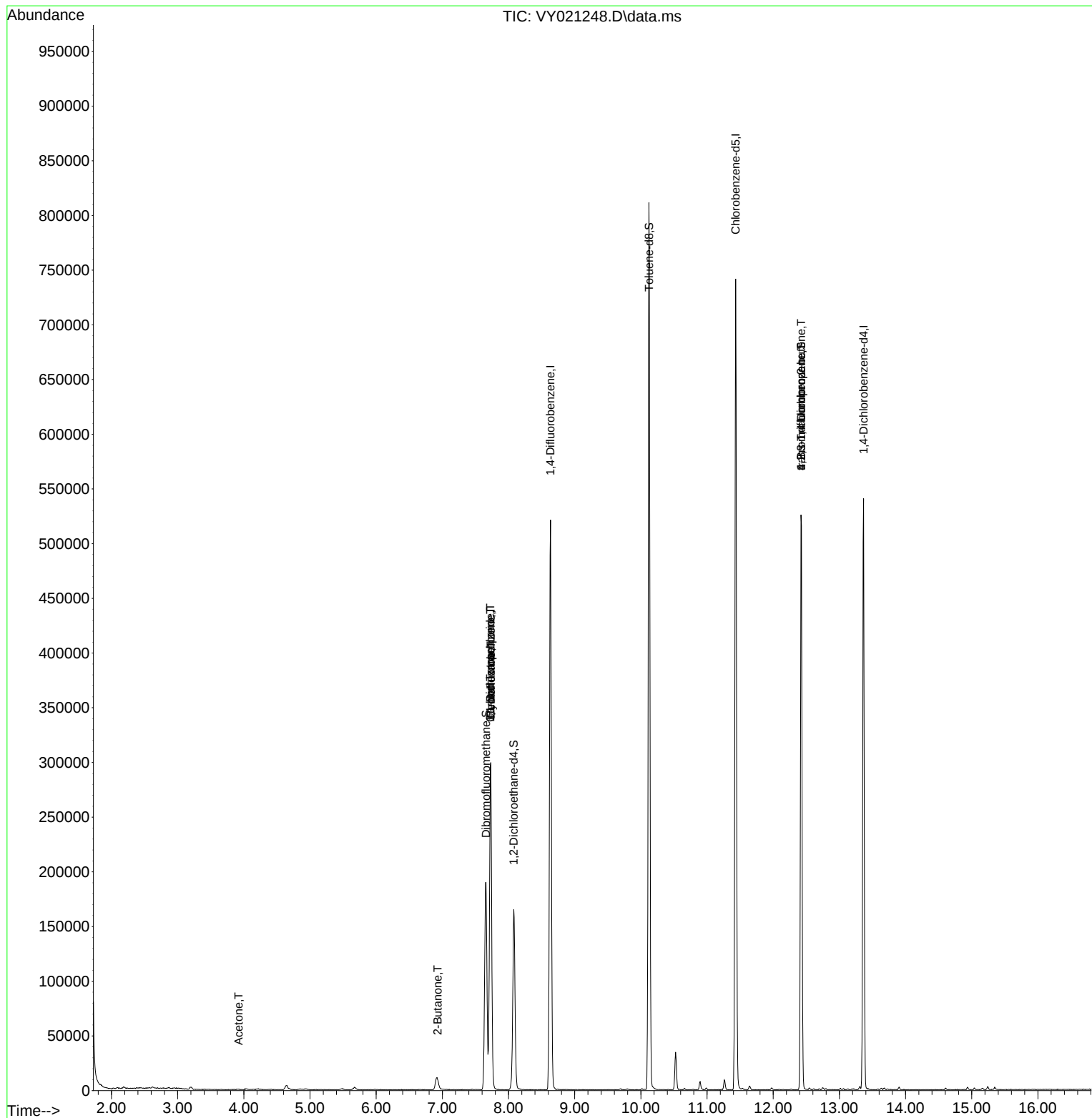
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.732  | 168   | 230273   | 50.000   | ug/l       | 0.02     |
| 34) 1,4-Difluorobenzene       | 8.634  | 114   | 431903   | 50.000   | ug/l       | 0.01     |
| 63) Chlorobenzene-d5          | 11.432 | 117   | 384104   | 50.000   | ug/l       | 0.01     |
| 72) 1,4-Dichlorobenzene-d4    | 13.365 | 152   | 134037   | 50.000   | ug/l       | 0.01     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.079  | 65    | 130680   | 55.389   | ug/l       | 0.01     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 110.780% |          |
| 35) Dibromofluoromethane      | 7.658  | 113   | 137601   | 49.713   | ug/l       | 0.02     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 99.420%  |          |
| 50) Toluene-d8                | 10.121 | 98    | 518778   | 49.231   | ug/l       | 0.01     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 98.460%  |          |
| 62) 4-Bromofluorobenzene      | 12.420 | 95    | 157153   | 45.649   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 91.300%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.921  | 43    | 1098     | 2.984    | ug/l #     | 66       |
| 25) 2-Butanone                | 6.927  | 43    | 1001     | 1.656    | ug/l #     | 48       |
| 31) Cyclohexane               | 7.732  | 56    | 5130     | 1.275    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.725  | 75    | 18561    | 4.527    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.725  | 117   | 23761    | 4.960    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.420 | 75    | 85900    | 70.648   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.420 | 75    | 85900    | 144.156  | ug/l #     | 12       |
| -----                         |        |       |          |          |            |          |

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

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Quant Title : SW846 8260  
QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

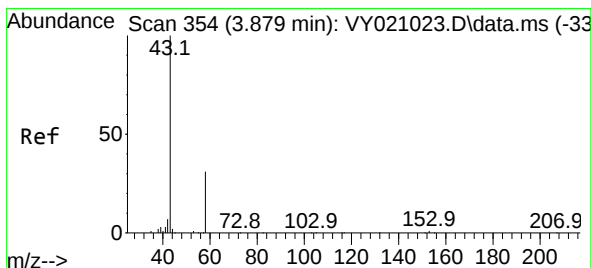
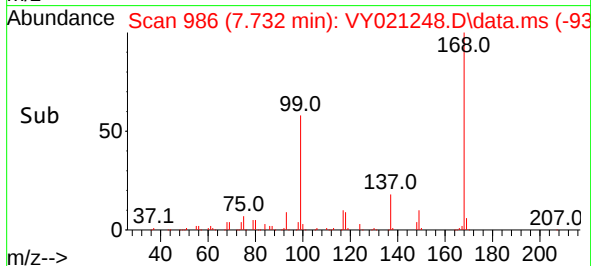
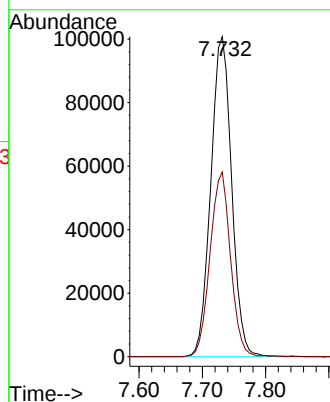
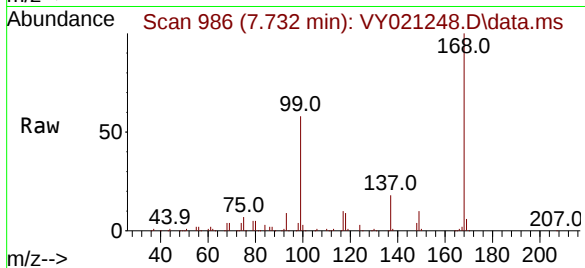




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.732 min Scan# 91  
Delta R.T. 0.019 min  
Lab File: VY021248.D  
Acq: 20 Feb 2025 14:33

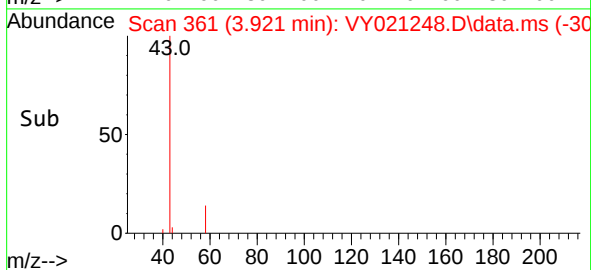
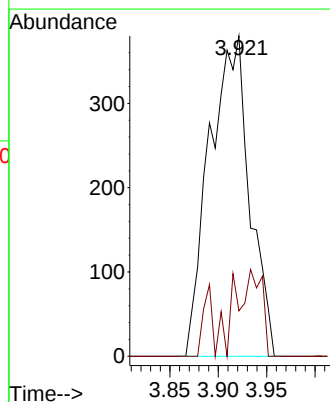
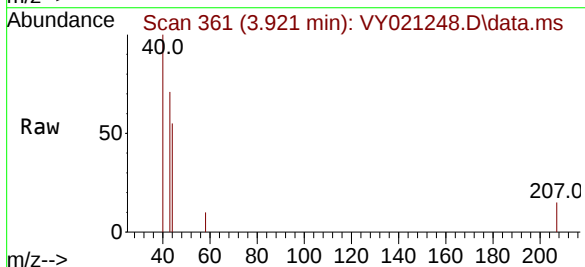
Instrument :  
MSVOA\_Y  
ClientSampleId :

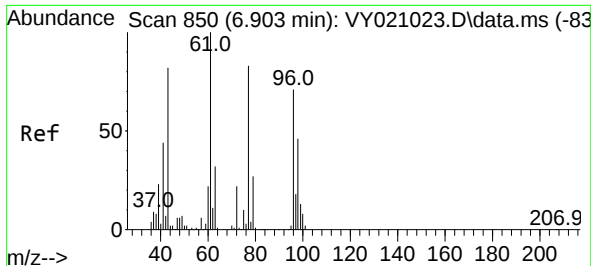
Tgt Ion:168 Resp: 230273  
Ion Ratio Lower Upper  
168 100  
99 57.7 44.2 66.4



#16  
Acetone  
Concen: 2.984 ug/l  
RT: 3.921 min Scan# 361  
Delta R.T. 0.042 min  
Lab File: VY021248.D  
Acq: 20 Feb 2025 14:33

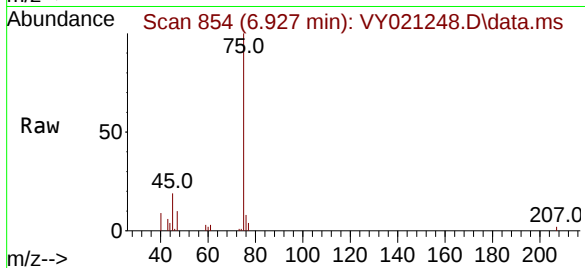
Tgt Ion: 43 Resp: 1098  
Ion Ratio Lower Upper  
43 100  
58 14.2 26.6 39.8#



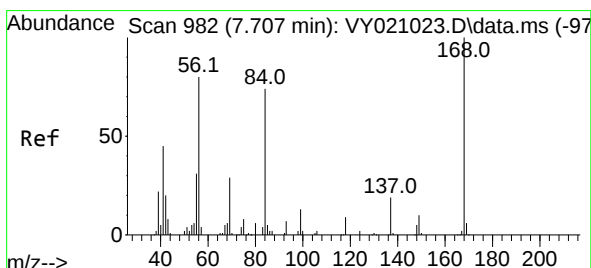
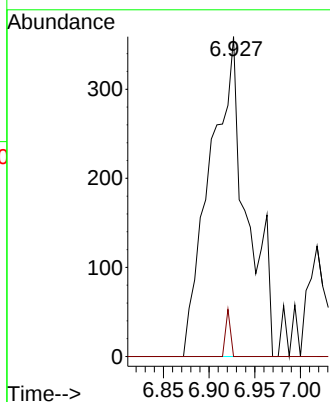
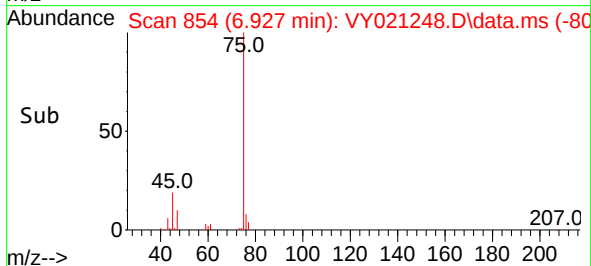


#25  
2-Butanone  
Concen: 1.656 ug/l  
RT: 6.927 min Scan# 854  
Delta R.T. 0.024 min  
Lab File: VY021248.D  
Acq: 20 Feb 2025 14:33

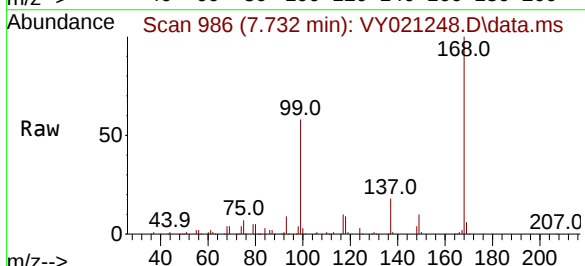
Instrument :  
MSVOA\_Y  
ClientSampleId :



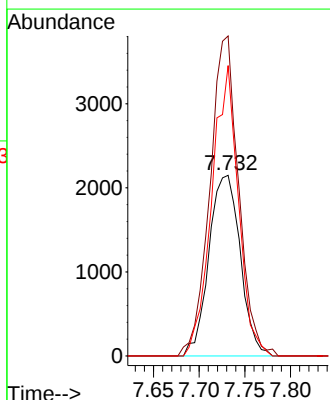
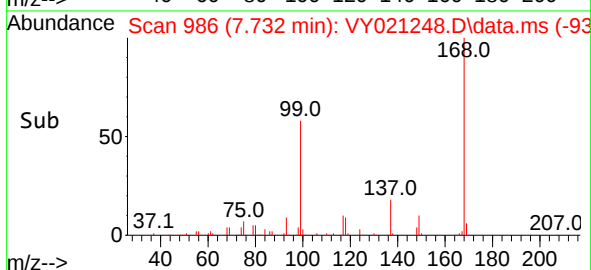
Tgt Ion: 43 Resp: 1001  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.4 32.2#

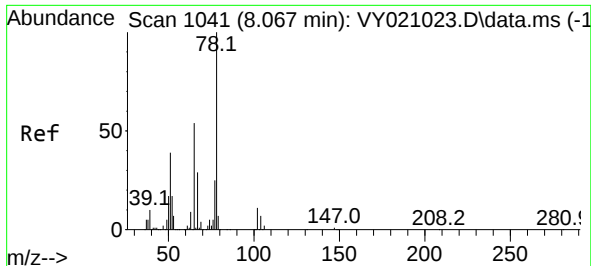


#31  
Cyclohexane  
Concen: 1.275 ug/l  
RT: 7.732 min Scan# 986  
Delta R.T. 0.024 min  
Lab File: VY021248.D  
Acq: 20 Feb 2025 14:33



Tgt Ion: 56 Resp: 5130  
Ion Ratio Lower Upper  
56 100  
69 177.1 27.0 40.6#  
84 160.7 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 55.389 ug/l

RT: 8.079 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY021248.D

Acq: 20 Feb 2025 14:33

Instrument :

MSVOA\_Y

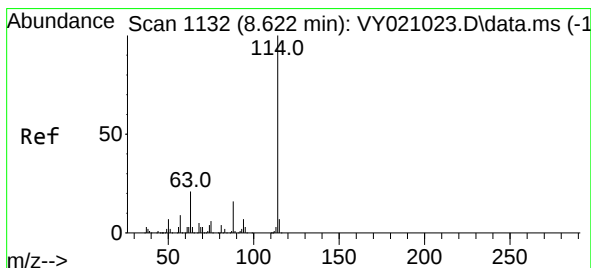
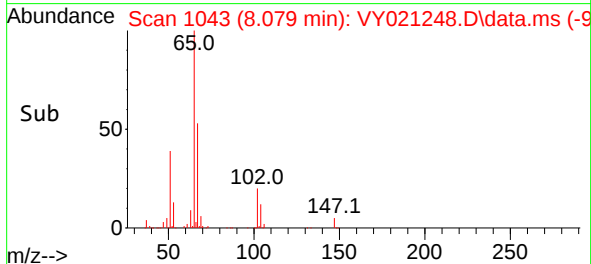
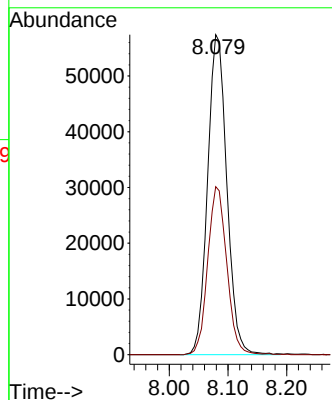
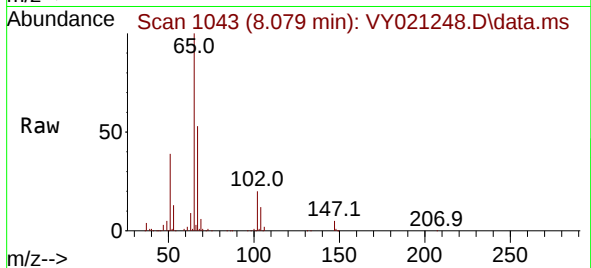
ClientSampleId :

Tgt Ion: 65 Resp: 130680

Ion Ratio Lower Upper

65 100

67 52.1 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.634 min Scan# 1134

Delta R.T. 0.012 min

Lab File: VY021248.D

Acq: 20 Feb 2025 14:33

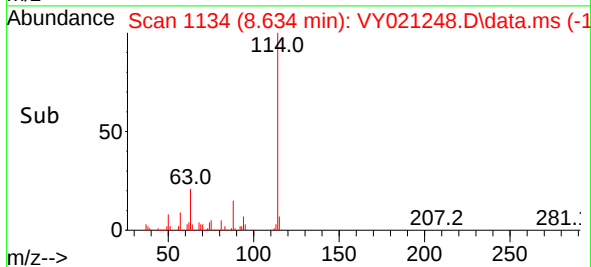
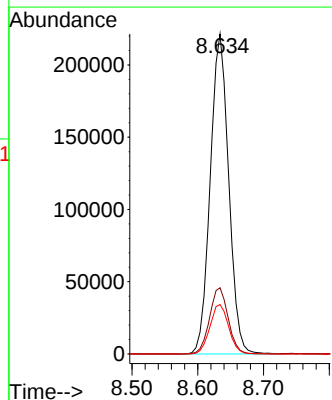
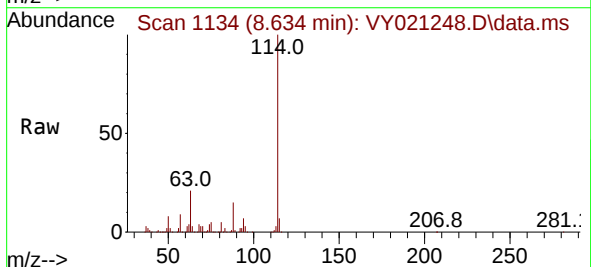
Tgt Ion: 114 Resp: 431903

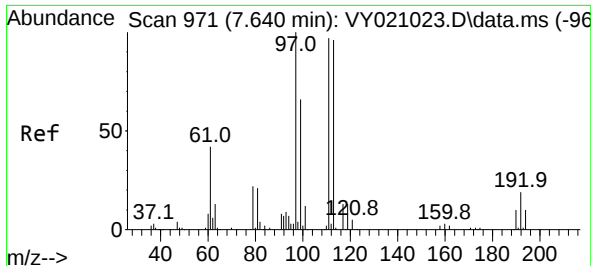
Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

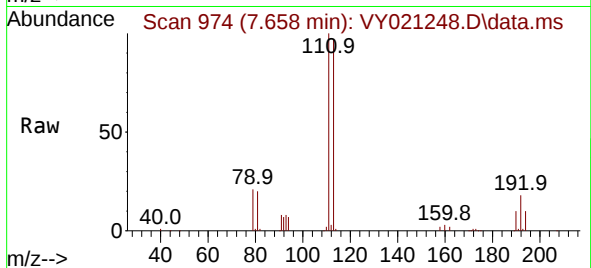
88 15.5 0.0 29.0



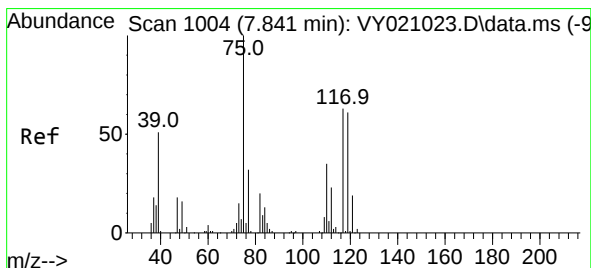
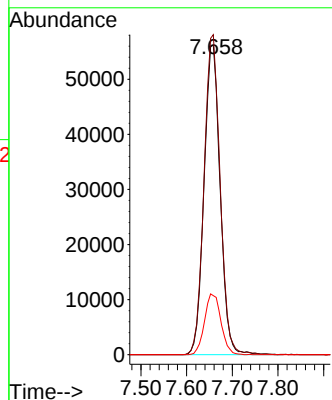
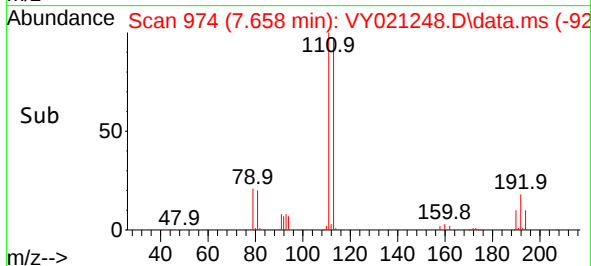


#35  
Dibromofluoromethane  
Concen: 49.713 ug/l  
RT: 7.658 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY021248.D  
Acq: 20 Feb 2025 14:33

Instrument :  
MSVOA\_Y  
ClientSampleId :

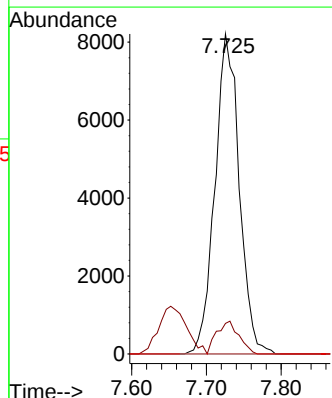
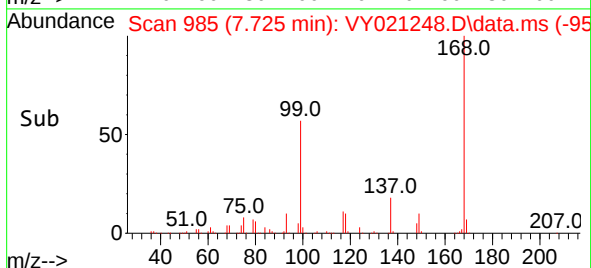
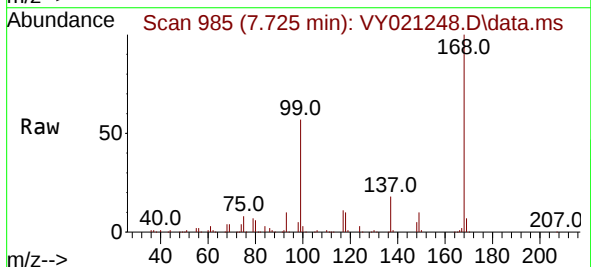


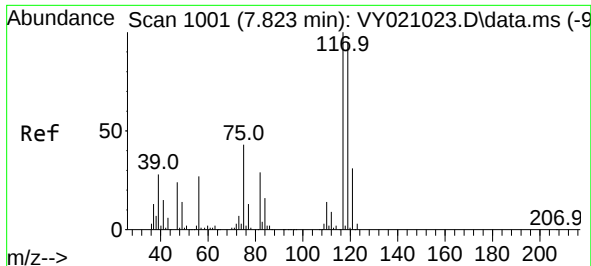
Tgt Ion:113 Resp: 137601  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.8 125.6  
192 20.0 14.5 21.7



#36  
1,1-Dichloropropene  
Concen: 4.527 ug/l  
RT: 7.725 min Scan# 985  
Delta R.T. -0.116 min  
Lab File: VY021248.D  
Acq: 20 Feb 2025 14:33

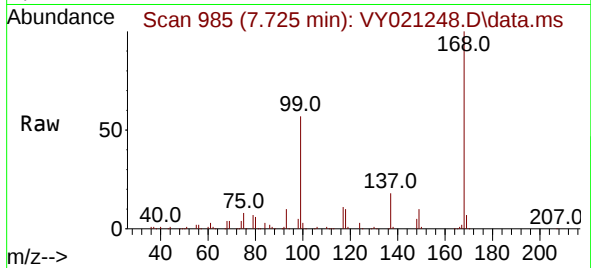
Tgt Ion: 75 Resp: 18561  
Ion Ratio Lower Upper  
75 100  
110 9.4 17.4 52.3#  
77 0.0 24.7 37.1#



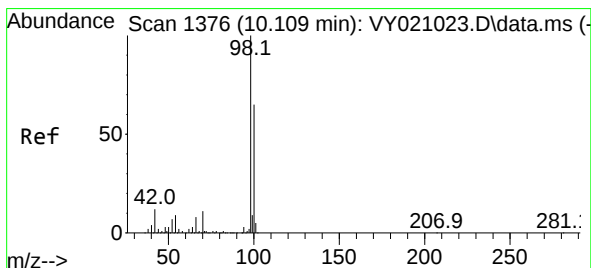
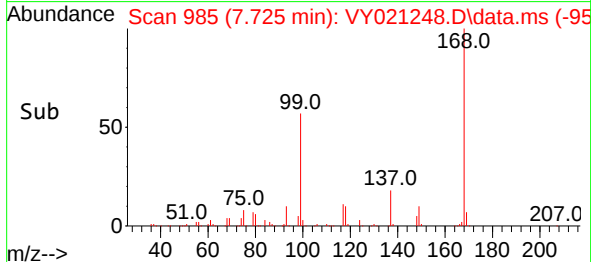
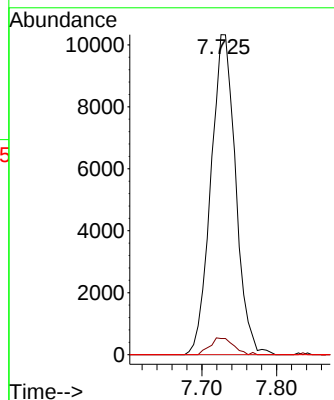


#38  
Carbon Tetrachloride  
Concen: 4.960 ug/l  
RT: 7.725 min Scan# 91  
Delta R.T. -0.098 min  
Lab File: VY021248.D  
Acq: 20 Feb 2025 14:33

Instrument :  
MSVOA\_Y  
ClientSampleId :

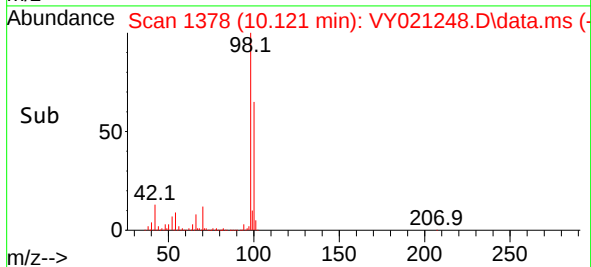
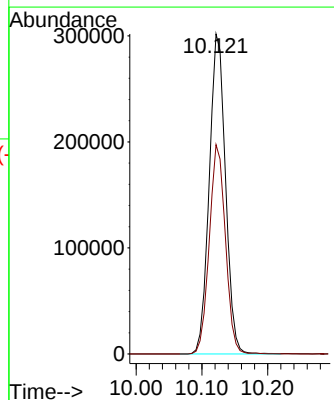
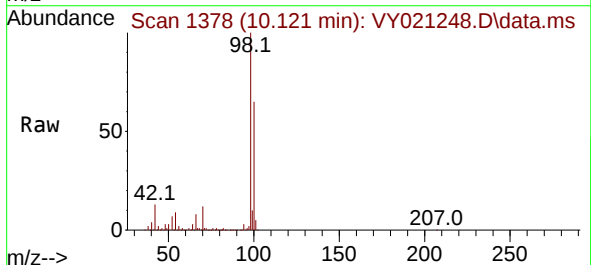


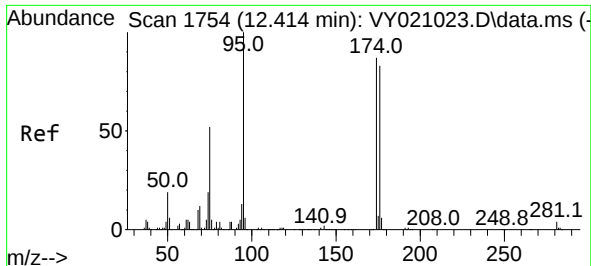
Tgt Ion:117 Resp: 23761  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.0 114.0#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 49.231 ug/l  
RT: 10.121 min Scan# 1378  
Delta R.T. 0.012 min  
Lab File: VY021248.D  
Acq: 20 Feb 2025 14:33

Tgt Ion: 98 Resp: 518778  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 45.649 ug/l

RT: 12.420 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021248.D

Acq: 20 Feb 2025 14:33

Instrument :

MSVOA\_Y

ClientSampleId :

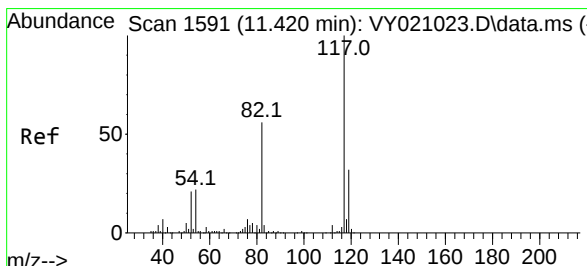
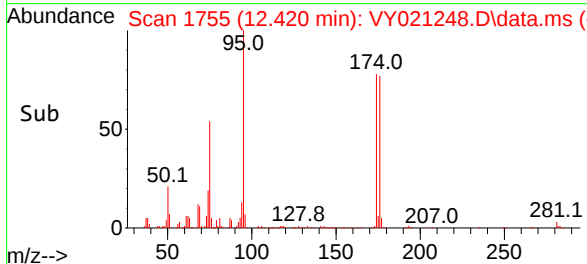
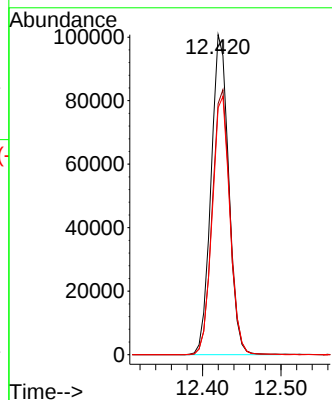
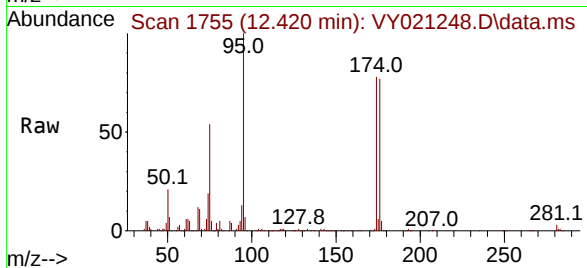
Tgt Ion: 95 Resp: 157153

Ion Ratio Lower Upper

95 100

174 83.6 0.0 160.0

176 81.0 0.0 151.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.432 min Scan# 1593

Delta R.T. 0.012 min

Lab File: VY021248.D

Acq: 20 Feb 2025 14:33

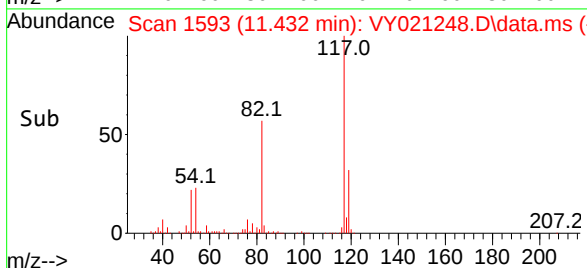
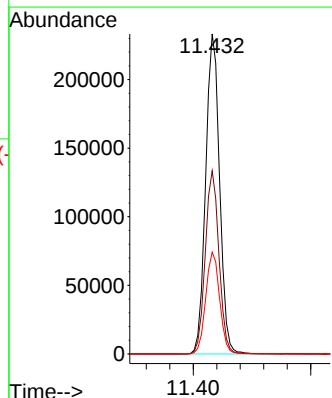
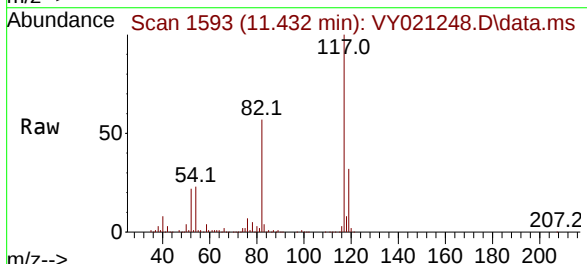
Tgt Ion: 117 Resp: 384104

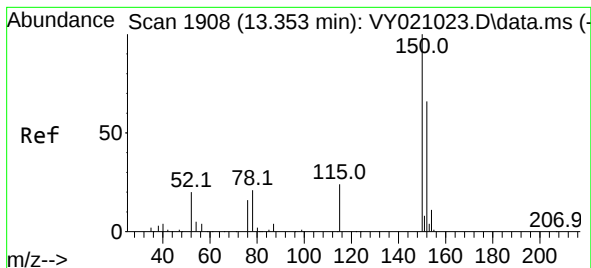
Ion Ratio Lower Upper

117 100

82 57.3 43.8 65.8

119 31.8 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.365 min Scan# 1908

Delta R.T. 0.012 min

Lab File: VY021248.D

Acq: 20 Feb 2025 14:33

Instrument :

MSVOA\_Y

ClientSampleId :

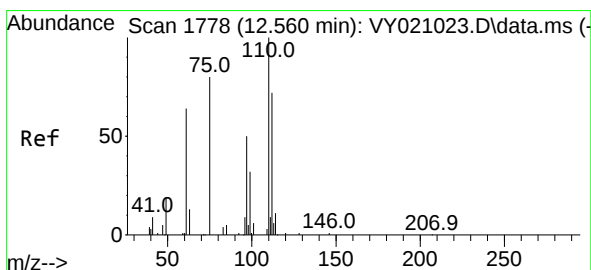
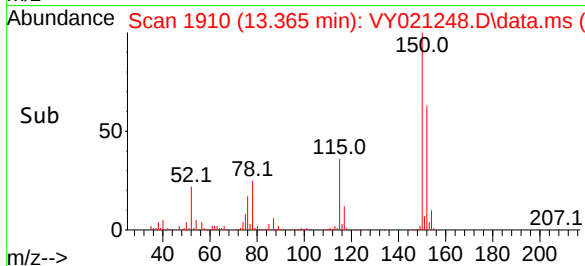
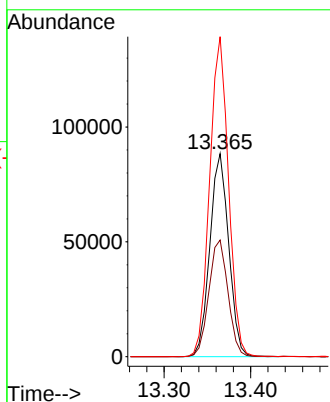
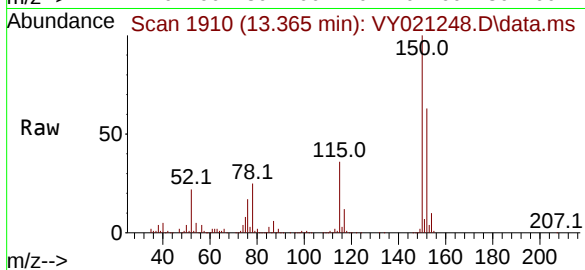
Tgt Ion:152 Resp: 134037

Ion Ratio Lower Upper

152 100

115 58.3 30.0 90.0

150 156.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 70.648 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. -0.140 min

Lab File: VY021248.D

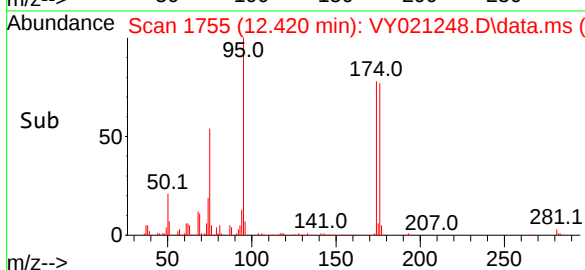
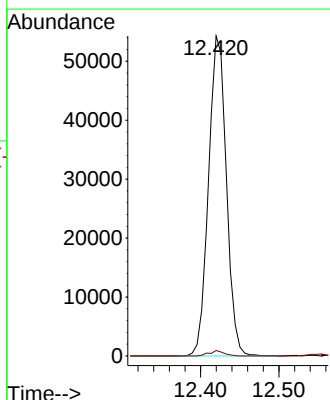
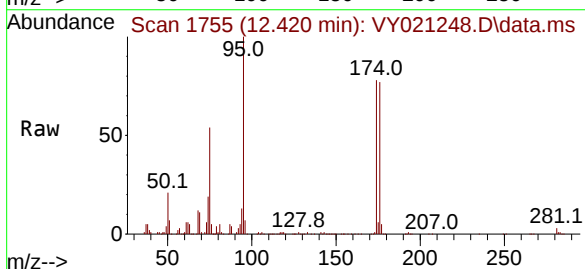
Acq: 20 Feb 2025 14:33

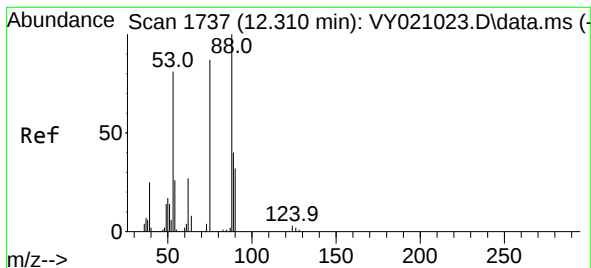
Tgt Ion: 75 Resp: 85900

Ion Ratio Lower Upper

75 100

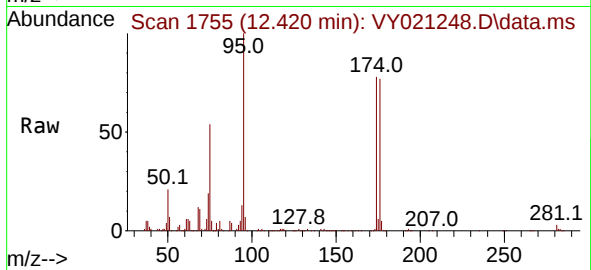
77 1.4 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 144.156 ug/l  
RT: 12.420 min Scan# 11  
Delta R.T. 0.110 min  
Lab File: VY021248.D  
Acq: 20 Feb 2025 14:33

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 85900  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.2 36.5 54.7#

