

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040425\  
 Data File : VY021791.D  
 Acq On : 04 Apr 2025 17:21  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

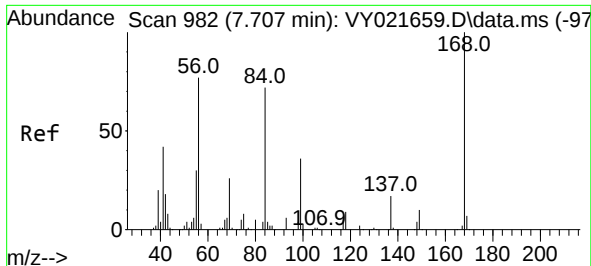
Quant Time: Apr 04 23:41:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707     | 168   | 356070   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 706424   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 691525   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 309571   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 233316   | 60.477    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 120.960% |          |
| 35) Dibromofluoromethane      | 7.634     | 113   | 231806   | 50.586    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 101.180% |          |
| 50) Toluene-d8                | 10.109    | 98    | 885199   | 50.777    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 101.560% |          |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 312434   | 52.985    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 105.960% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 20) Methylene Chloride        | 4.610     | 84    | 5753     | Below Cal | #          | 91       |
| 31) Cyclohexane               | 7.707     | 56    | 7971     | 1.171     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 28598    | 4.097     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.707     | 117   | 36286    | 4.539     | ug/l #     | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.103    | 43    | 4167     | 1.283     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.402    | 75    | 167596   | 54.616    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402    | 75    | 167596   | 125.844   | ug/l #     | 12       |
| -----                         |           |       |          |           |            |          |

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

Quant Time: Apr 04 23:41:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

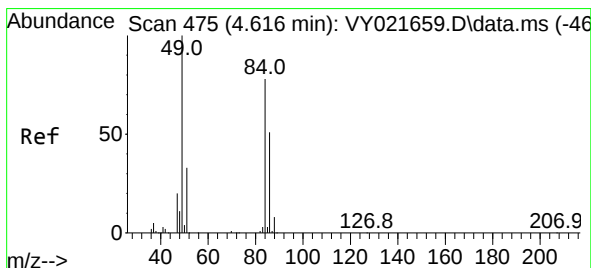
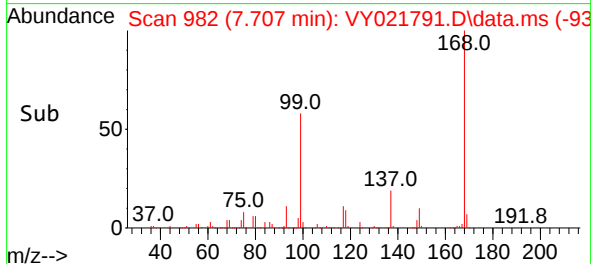
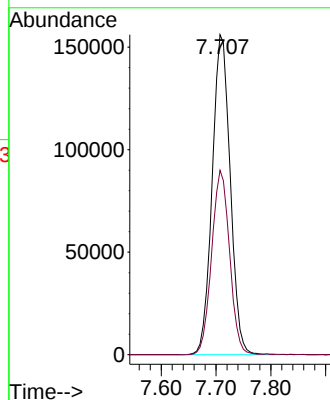
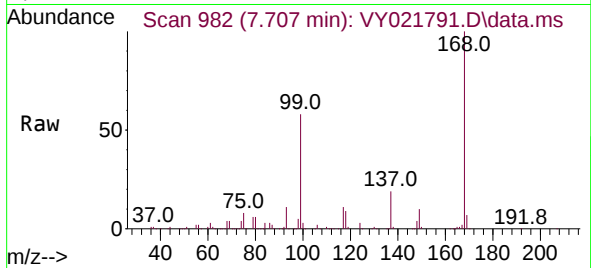




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021791.D  
Acq: 04 Apr 2025 17:21

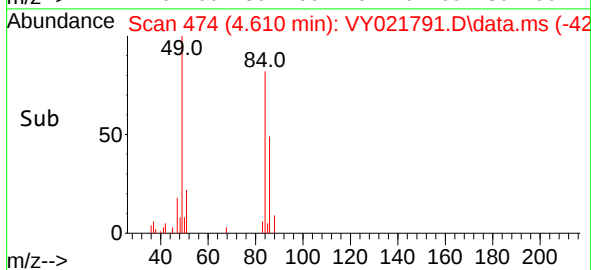
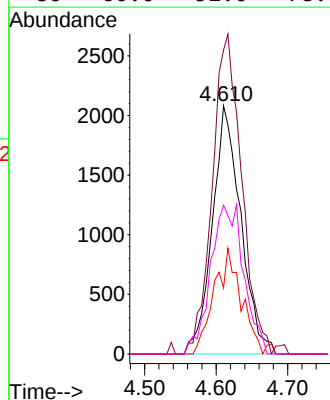
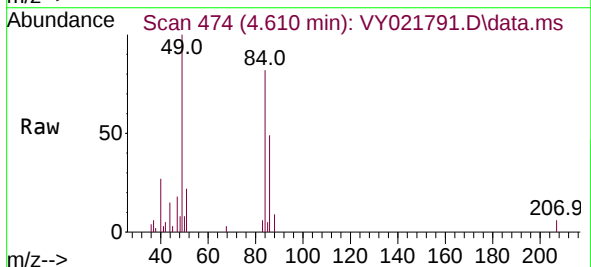
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

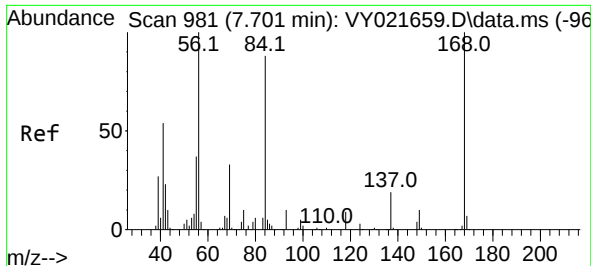
Tgt Ion:168 Resp: 356070  
Ion Ratio Lower Upper  
168 100  
99 57.6 46.7 70.1



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.610 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY021791.D  
Acq: 04 Apr 2025 17:21

Tgt Ion: 84 Resp: 5753  
Ion Ratio Lower Upper  
84 100  
49 122.5 102.8 154.2  
51 26.6 33.5 50.3#  
86 60.0 52.0 78.0

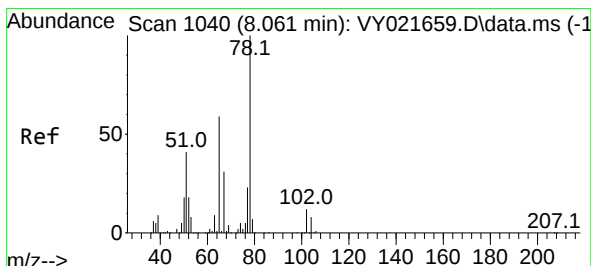
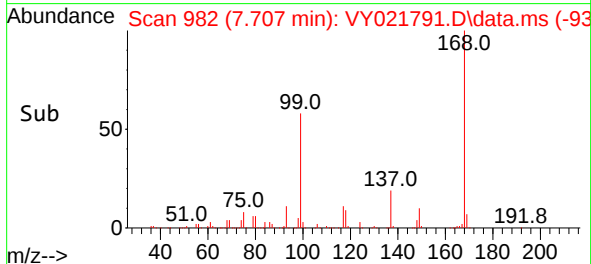
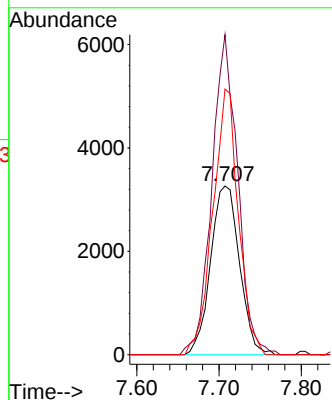
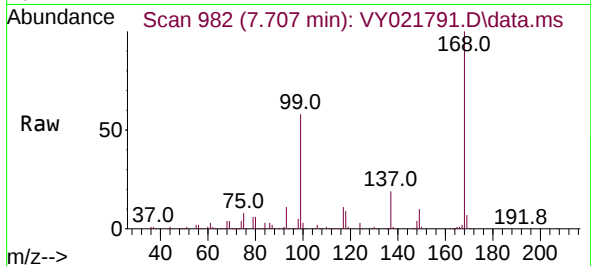




#31  
Cyclohexane  
Concen: 1.171 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY021791.D  
Acq: 04 Apr 2025 17:21

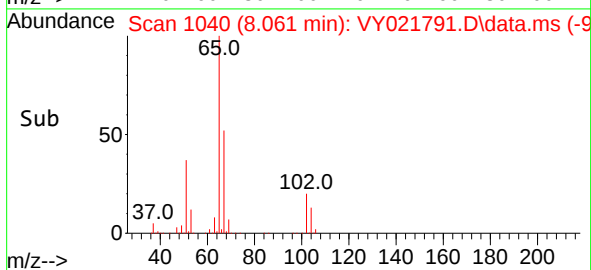
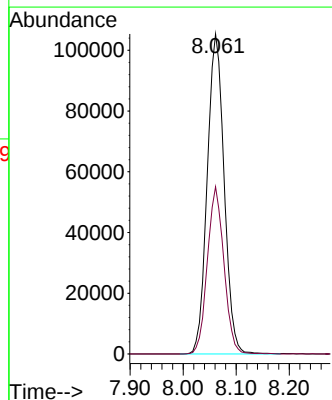
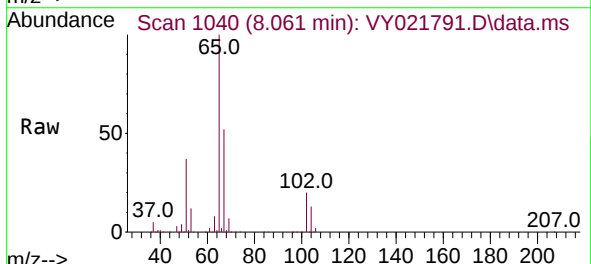
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ClientSampleId :  
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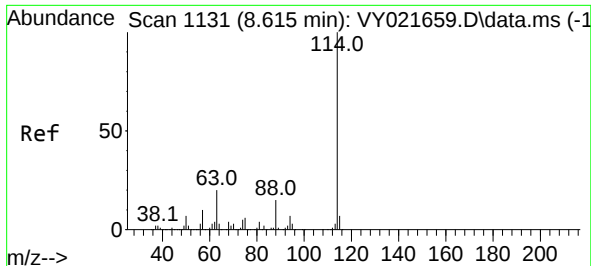
Tgt Ion: 56 Resp: 7971  
Ion Ratio Lower Upper  
56 100  
69 189.8 26.6 40.0#  
84 157.5 69.0 103.4#



#33  
1,2-Dichloroethane-d4  
Concen: 60.477 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY021791.D  
Acq: 04 Apr 2025 17:21

Tgt Ion: 65 Resp: 233316  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 104.6

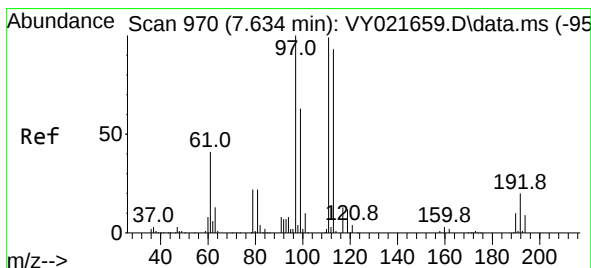
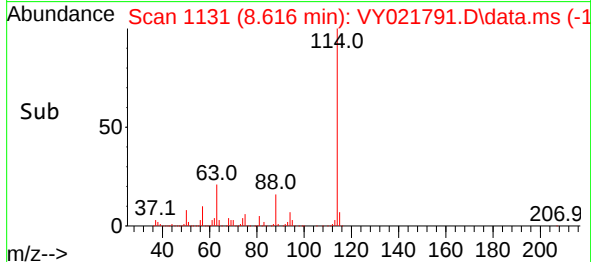
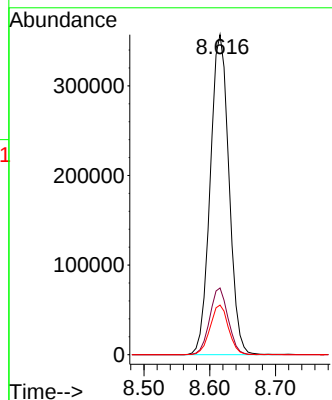
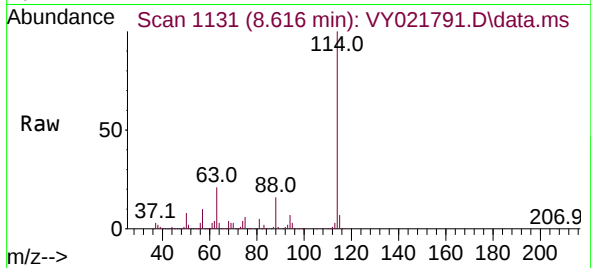




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY021791.D  
Acq: 04 Apr 2025 17:21

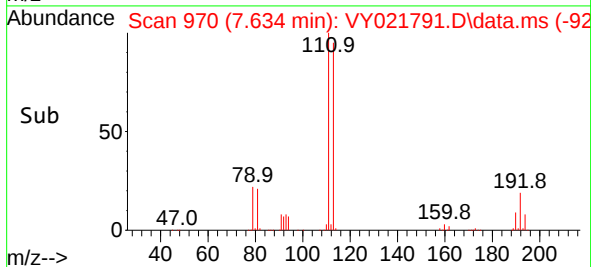
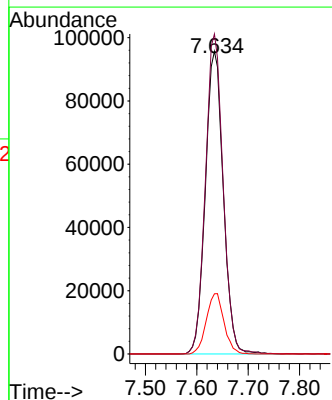
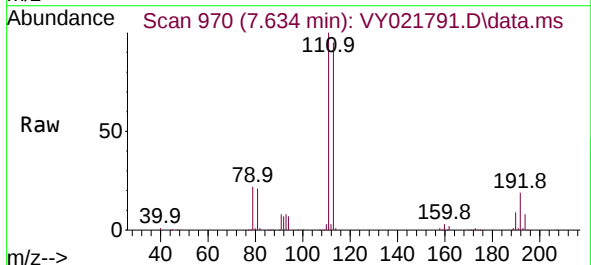
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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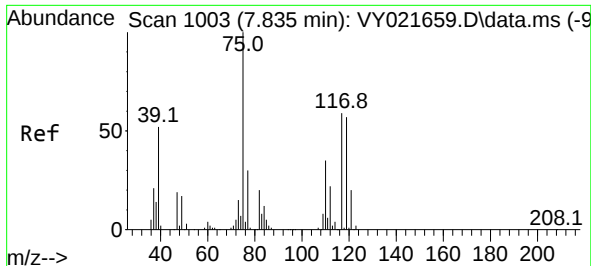
Tgt Ion:114 Resp: 706424  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 40.2  
88 15.5 0.0 29.8



#35  
Dibromofluoromethane  
Concen: 50.586 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY021791.D  
Acq: 04 Apr 2025 17:21

Tgt Ion:113 Resp: 231806  
Ion Ratio Lower Upper  
113 100  
111 104.1 82.6 123.8  
192 19.7 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.097 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021791.D

Acq: 04 Apr 2025 17:21

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

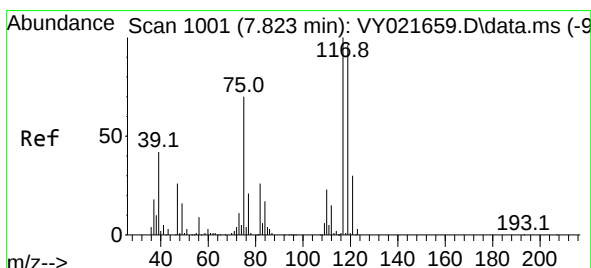
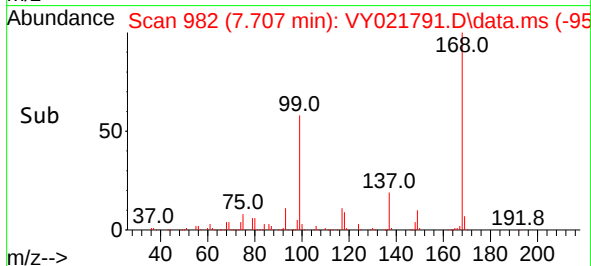
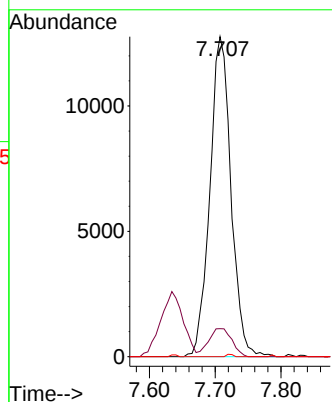
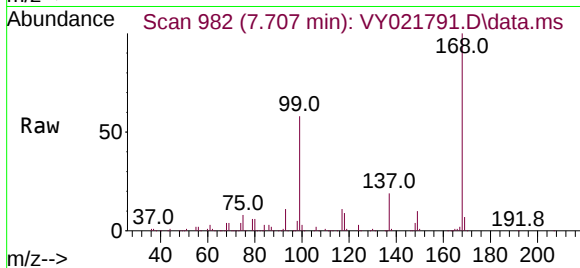
Tgt Ion: 75 Resp: 28598

Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.539 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021791.D

Acq: 04 Apr 2025 17:21

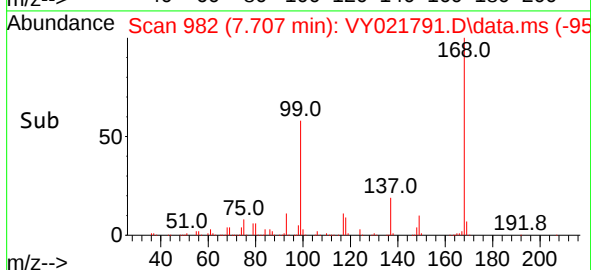
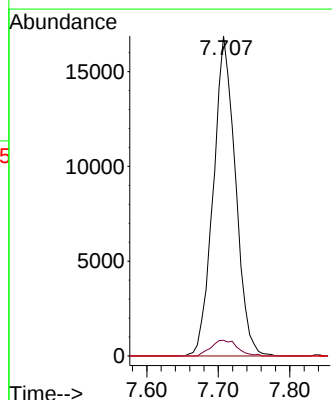
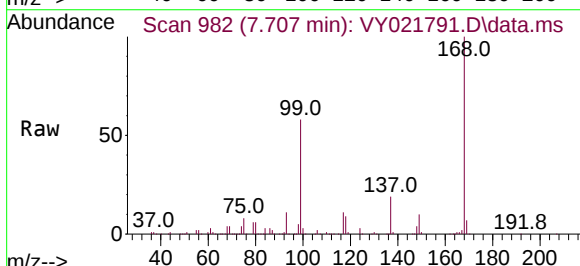
Tgt Ion: 117 Resp: 36286

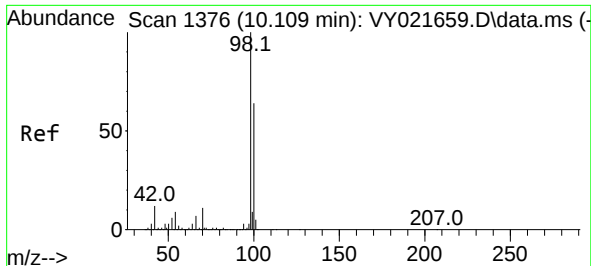
Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.4#

121 0.0 24.2 36.4#

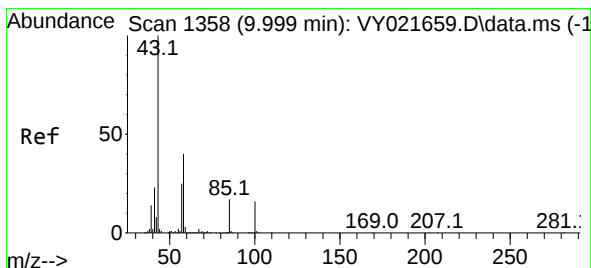
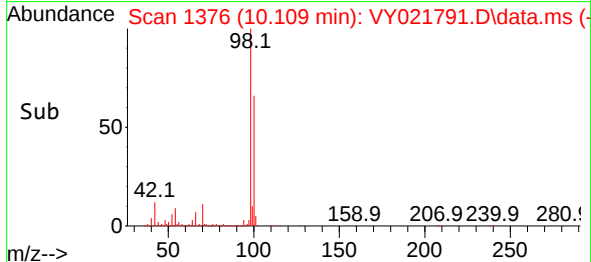
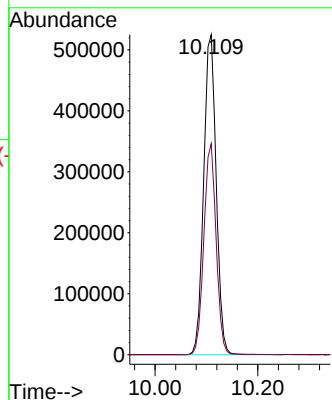
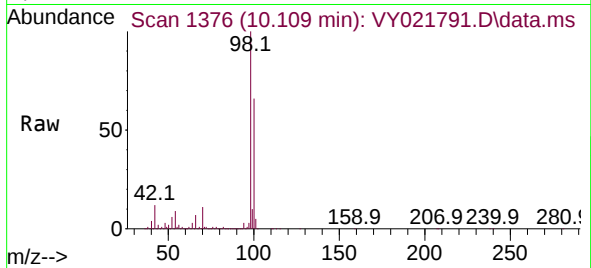




#50  
Toluene-d8  
Concen: 50.777 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY021791.D  
Acq: 04 Apr 2025 17:21

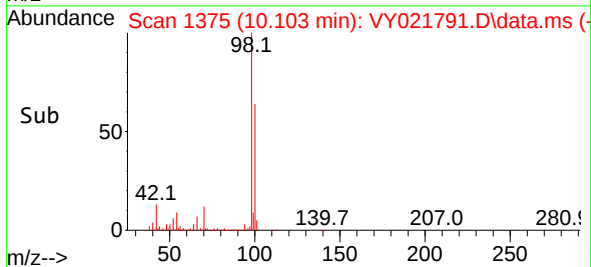
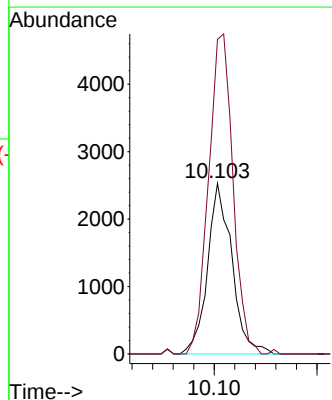
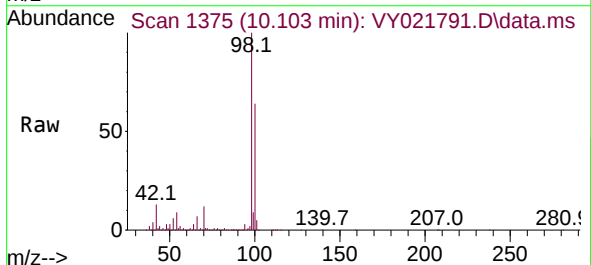
Instrument :  
MSVOA\_Y  
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VIBLK

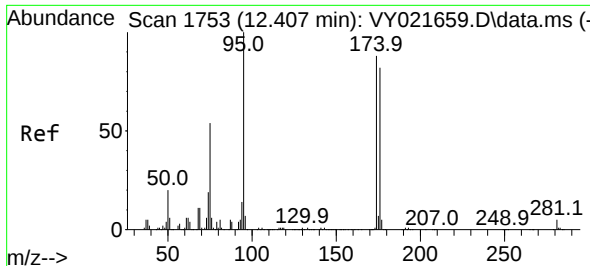
Tgt Ion: 98 Resp: 885199  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.1 78.1



#51  
4-Methyl-2-Pentanone  
Concen: 1.283 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.104 min  
Lab File: VY021791.D  
Acq: 04 Apr 2025 17:21

Tgt Ion: 43 Resp: 4167  
Ion Ratio Lower Upper  
43 100  
58 188.2 31.5 47.3#

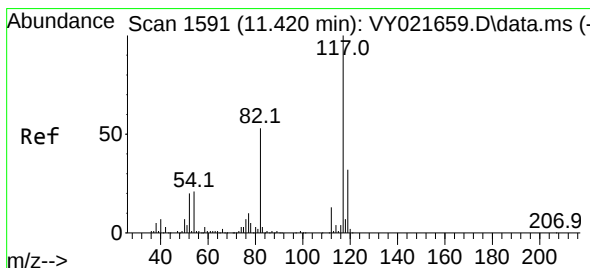
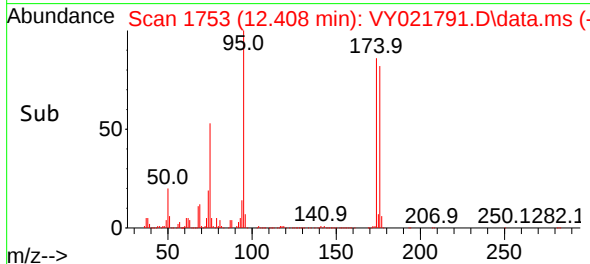
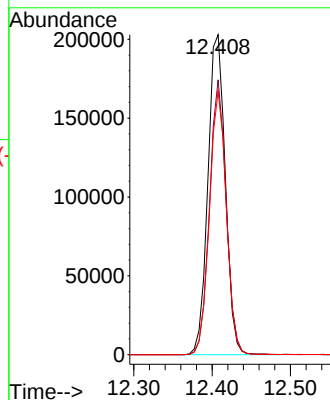
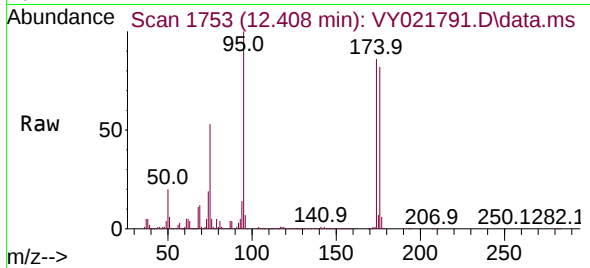




#62  
4-Bromofluorobenzene  
Concen: 52.985 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021791.D  
Acq: 04 Apr 2025 17:21

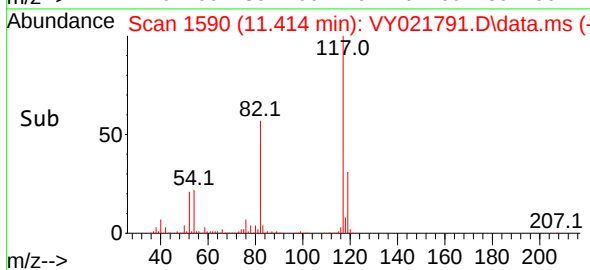
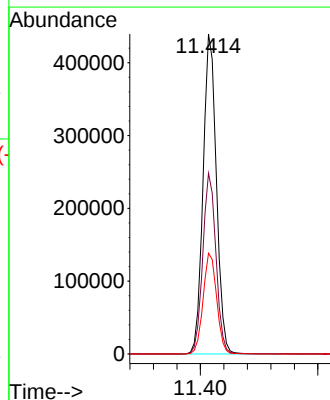
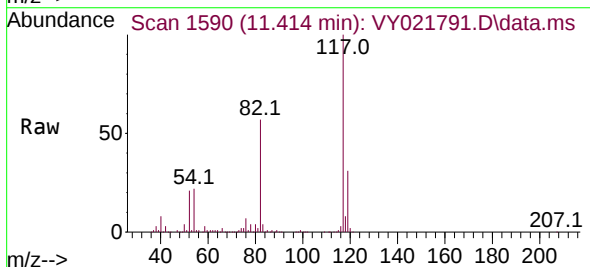
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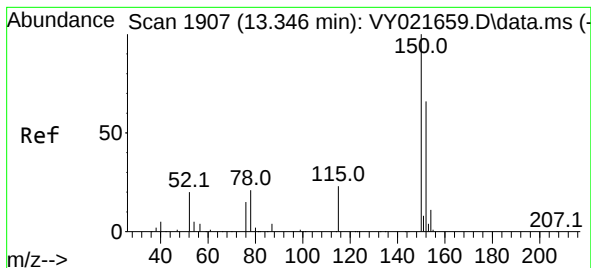
Tgt Ion: 95 Resp: 312434  
Ion Ratio Lower Upper  
95 100  
174 82.3 0.0 170.8  
176 80.0 0.0 162.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY021791.D  
Acq: 04 Apr 2025 17:21

Tgt Ion: 117 Resp: 691525  
Ion Ratio Lower Upper  
117 100  
82 56.5 42.8 64.2  
119 31.5 25.7 38.5

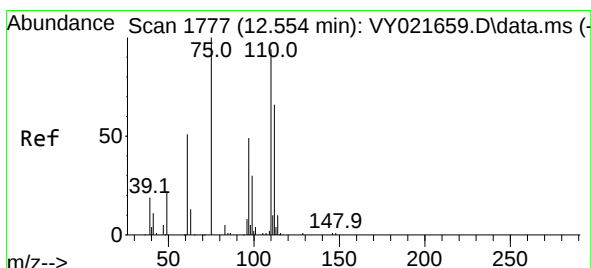
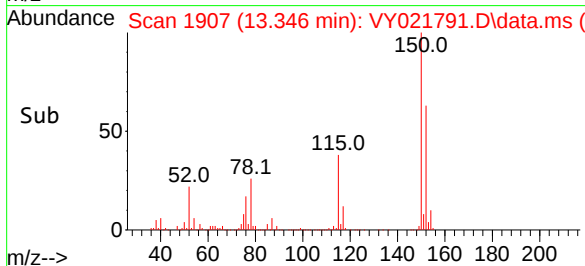
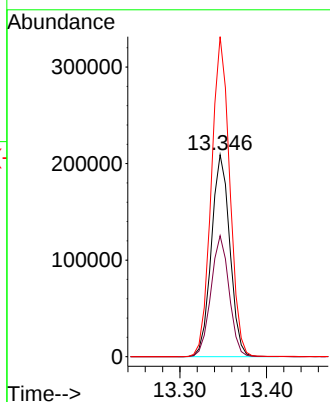
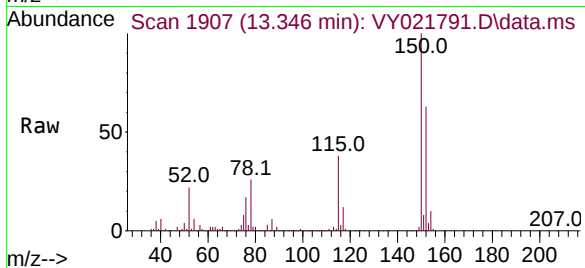




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY021791.D  
 Acq: 04 Apr 2025 17:21

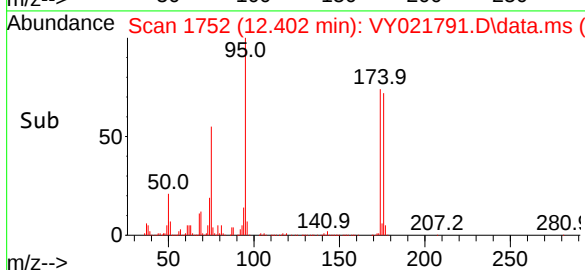
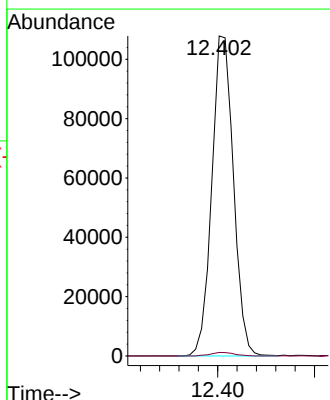
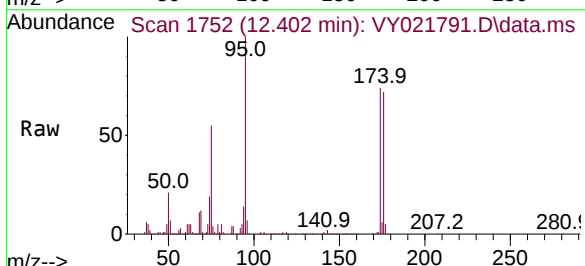
Instrument :  
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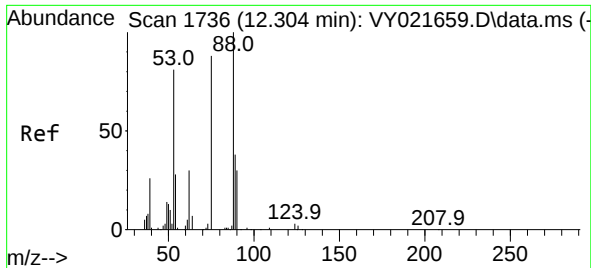
Tgt Ion:152 Resp: 309571  
 Ion Ratio Lower Upper  
 152 100  
 115 58.8 28.8 86.5  
 150 157.4 0.0 348.4



#76  
 1,2,3-Trichloropropane  
 Concen: 54.616 ug/l  
 RT: 12.402 min Scan# 1752  
 Delta R.T. -0.152 min  
 Lab File: VY021791.D  
 Acq: 04 Apr 2025 17:21

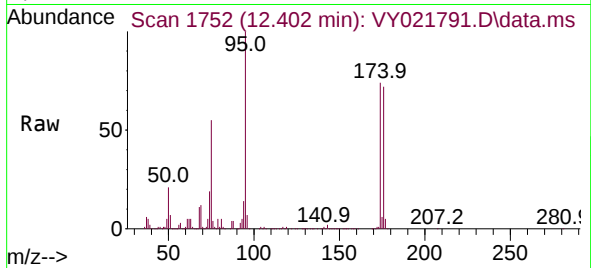
Tgt Ion: 75 Resp: 167596  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 125.844 ug/l  
 RT: 12.402 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY021791.D  
 Acq: 04 Apr 2025 17:21

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK



Tgt Ion: 75 Resp: 167596  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 76.1 114.1#  
 89 0.0 36.2 54.4#

