

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042425\  
 Data File : VY021988.D  
 Acq On : 24 Apr 2025 09:04  
 Operator : SY/MD  
 Sample : VY0424SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0424SBL01

Quant Time: Apr 25 01:22:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

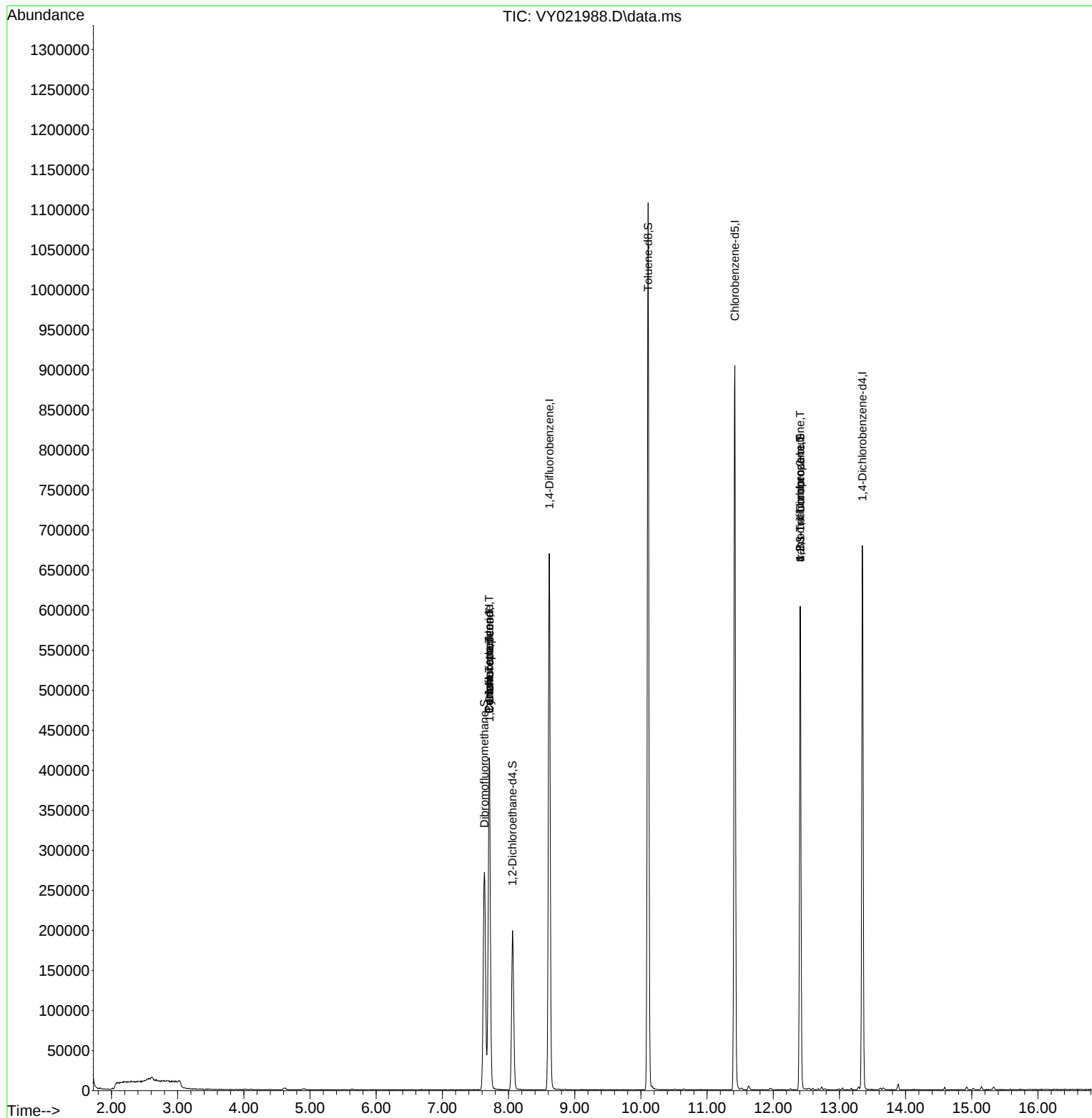
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 322073   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 596272   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 513984   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 181630   | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 155306   | 52.205    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 104.400% |          |
| 35) Dibromofluoromethane      | 7.634  | 113   | 200767   | 50.965    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 101.940% |          |
| 50) Toluene-d8                | 10.109 | 98    | 712888   | 48.002    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 96.000%  |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 184917   | 36.987    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 73.980%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 16) Acetone                   | 3.891  | 43    | 342      | Below Cal | #          | 9        |
| 31) Cyclohexane               | 7.707  | 56    | 6113     | 1.243     | ug/l #     | 22       |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 24382    | 4.608     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 31076    | 4.915     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 89020    | 57.220    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 89020    | 137.794   | ug/l #     | 16       |
| -----                         |        |       |          |           |            |          |

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

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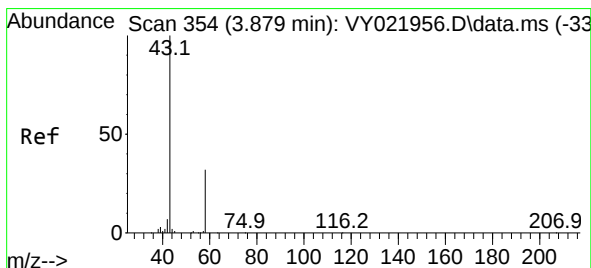
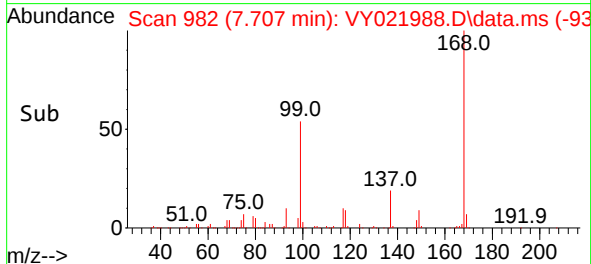
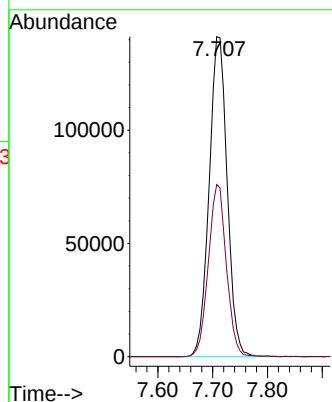
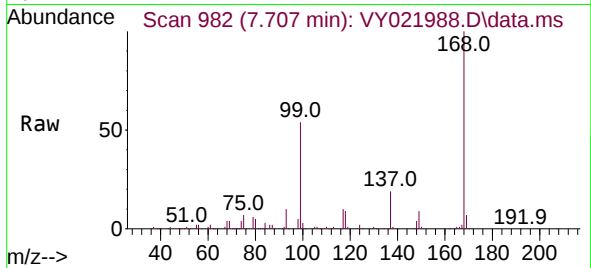




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

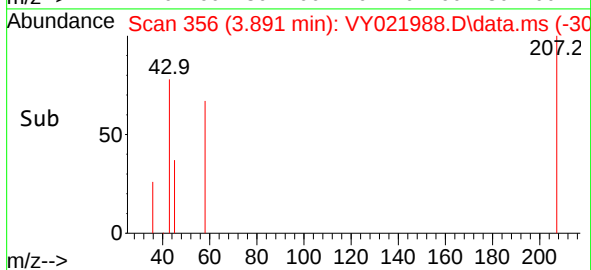
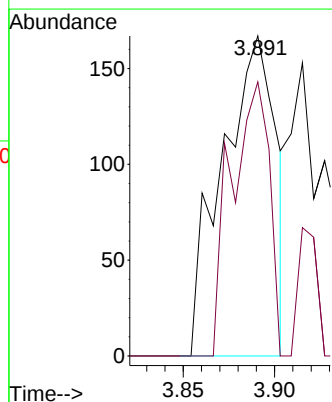
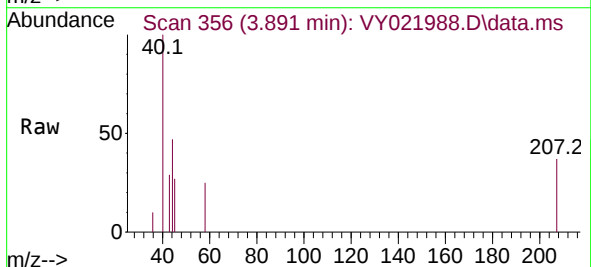
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBL01

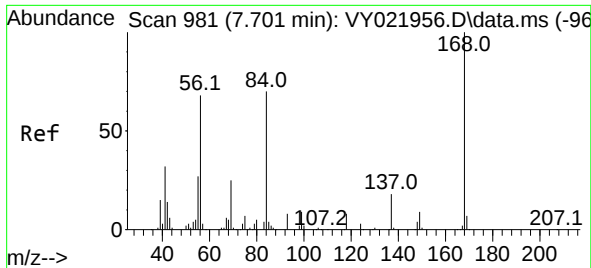
Tgt Ion:168 Resp: 322073  
Ion Ratio Lower Upper  
168 100  
99 53.8 43.1 64.7



#16  
Acetone  
Concen: Below Cal  
RT: 3.891 min Scan# 356  
Delta R.T. 0.012 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

Tgt Ion: 43 Resp: 342  
Ion Ratio Lower Upper  
43 100  
58 85.6 27.0 40.4#

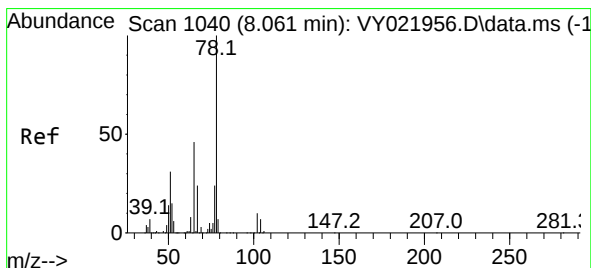
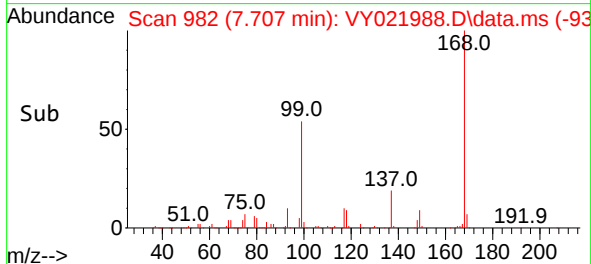
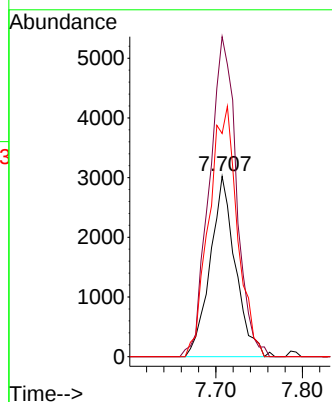
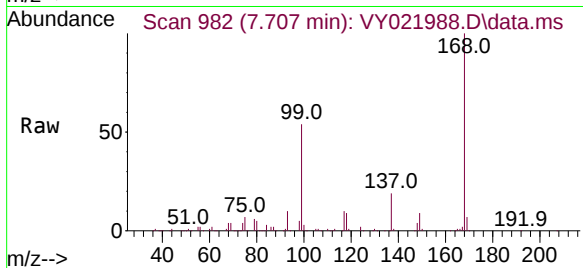




#31  
Cyclohexane  
Concen: 1.243 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

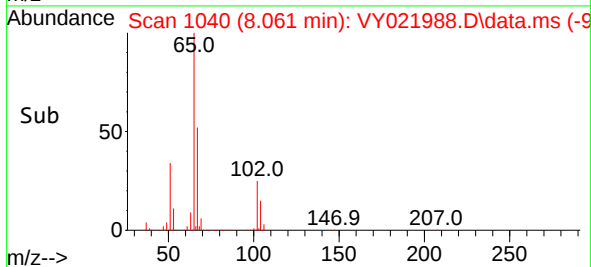
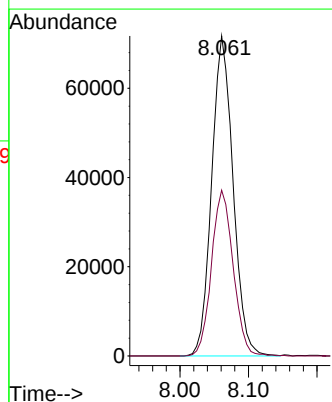
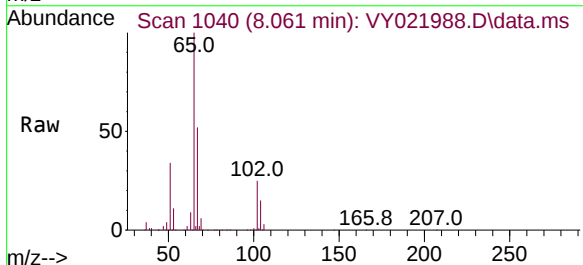
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBL01

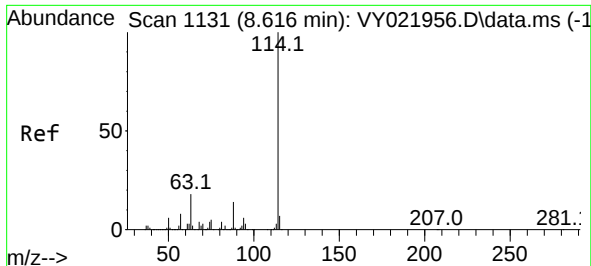
Tgt Ion: 56 Resp: 6113  
Ion Ratio Lower Upper  
56 100  
69 177.5 29.4 44.2#  
84 123.8 82.2 123.4#



#33  
1,2-Dichloroethane-d4  
Concen: 52.205 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

Tgt Ion: 65 Resp: 155306  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 105.8

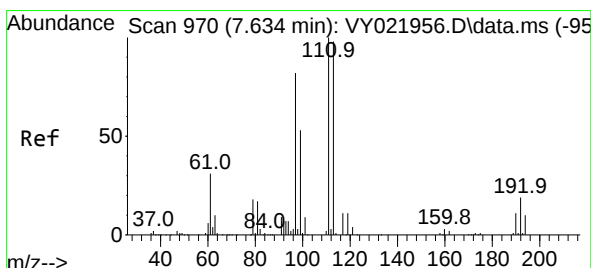
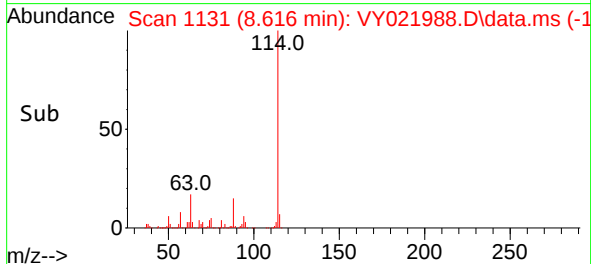
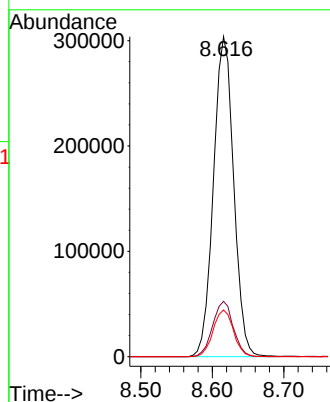
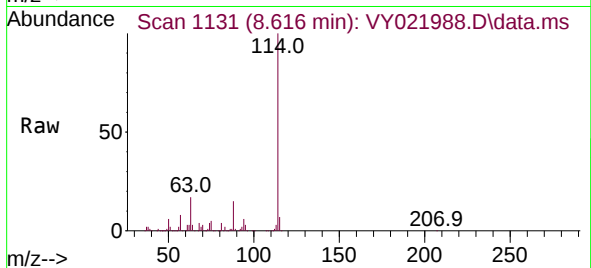




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

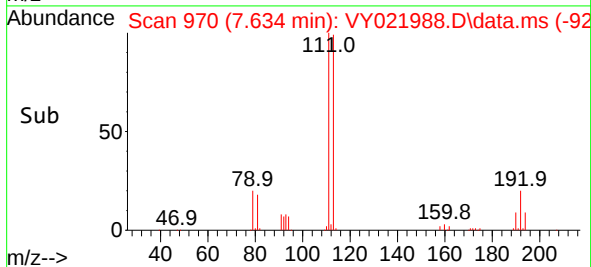
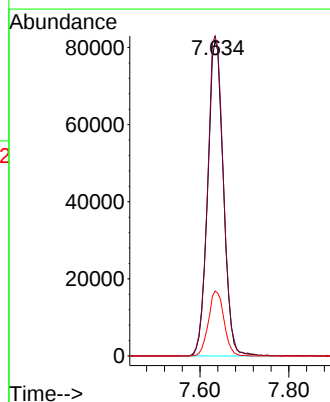
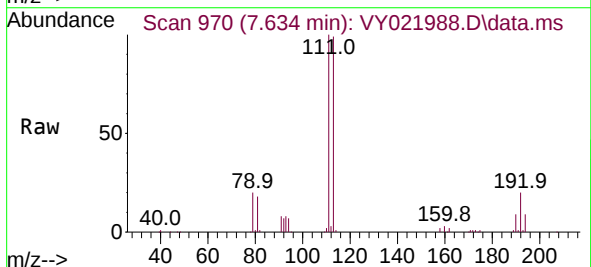
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBL01

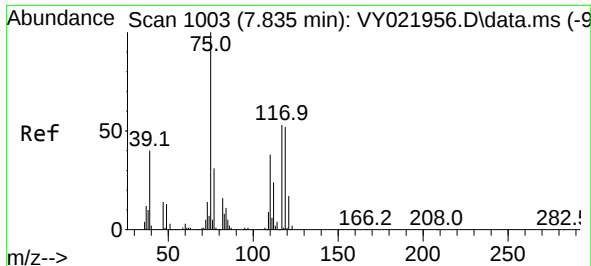
Tgt Ion:114 Resp: 596272  
Ion Ratio Lower Upper  
114 100  
63 17.3 0.0 35.4  
88 14.6 0.0 28.2



#35  
Dibromofluoromethane  
Concen: 50.965 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.000 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

Tgt Ion:113 Resp: 200767  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.8 122.8  
192 20.4 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.608 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY021988.D

Acq: 24 Apr 2025 09:04

Instrument :

MSVOA\_Y

ClientSampleId :

VY0424SBL01

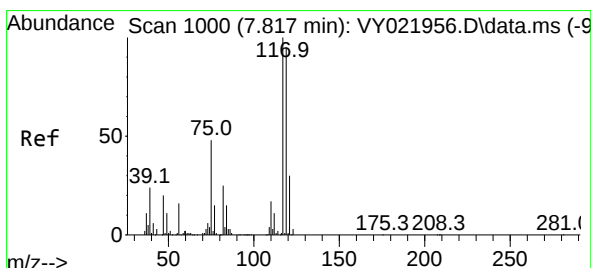
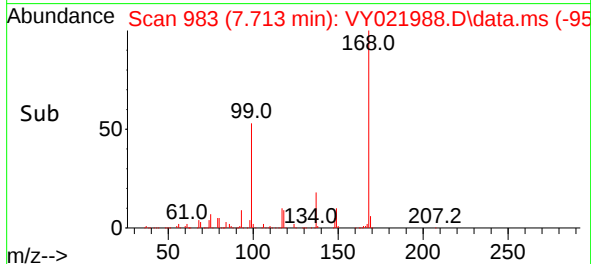
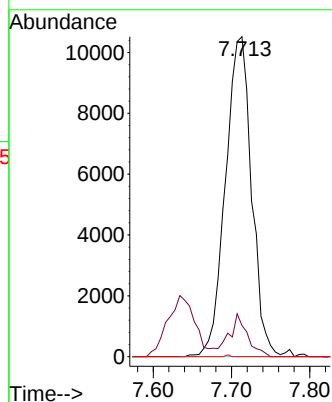
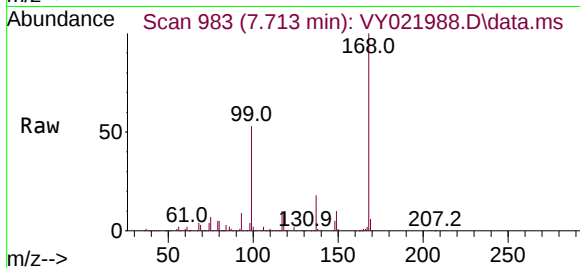
Tgt Ion: 75 Resp: 24382

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

77 0.1 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.915 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021988.D

Acq: 24 Apr 2025 09:04

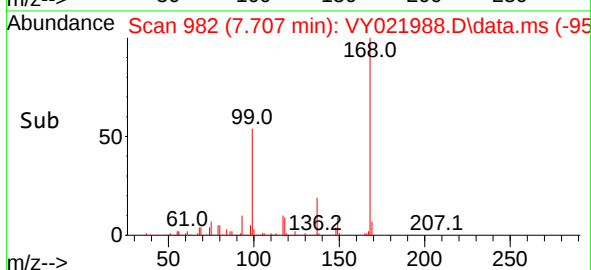
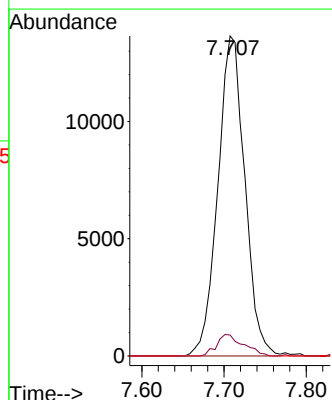
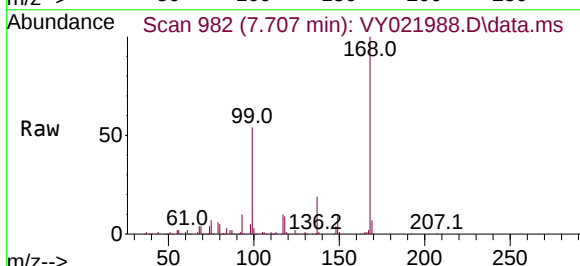
Tgt Ion: 117 Resp: 31076

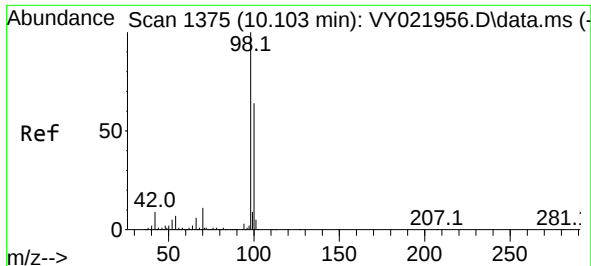
Ion Ratio Lower Upper

117 100

119 6.6 76.2 114.4#

121 0.0 24.0 36.0#

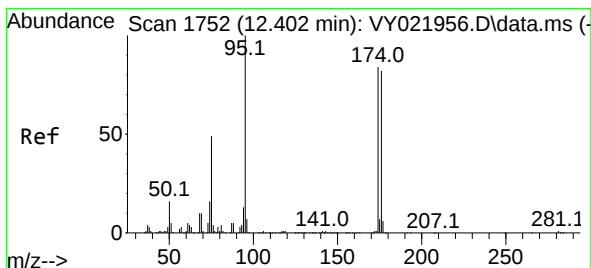
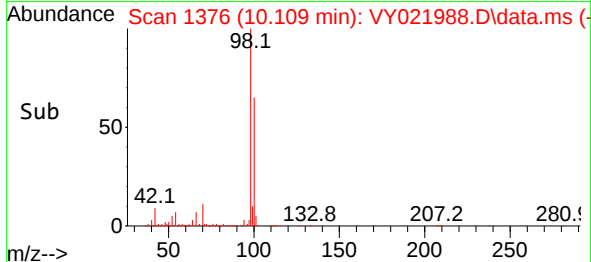
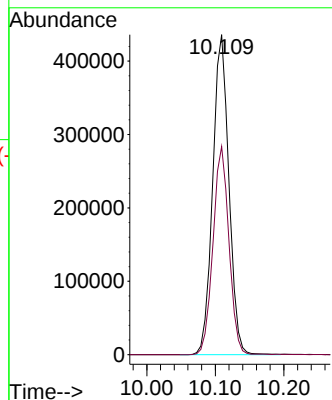
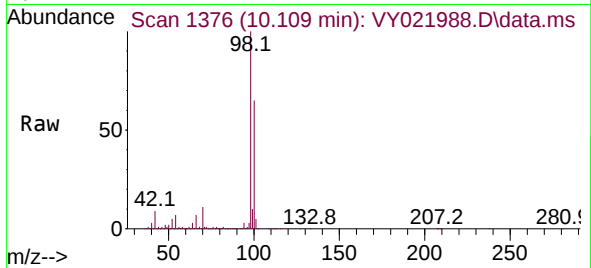




#50  
Toluene-d8  
Concen: 48.002 ug/l  
RT: 10.109 min Scan# 1375  
Delta R.T. 0.006 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

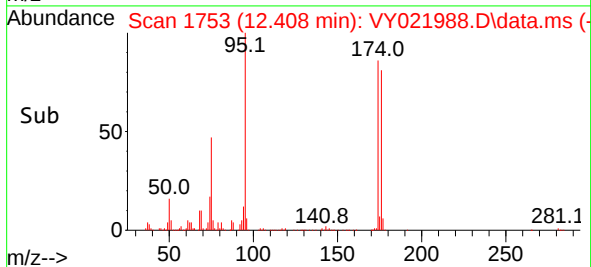
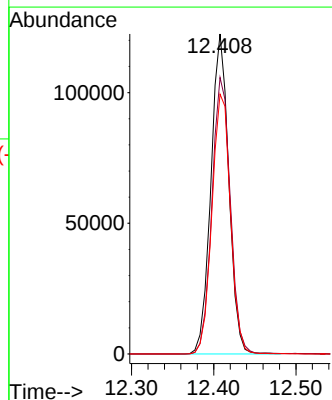
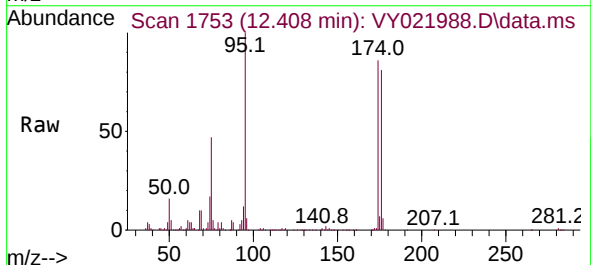
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBL01

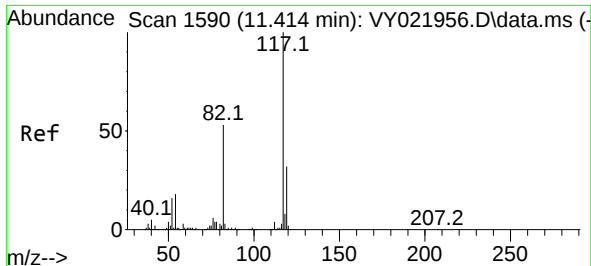
Tgt Ion: 98 Resp: 712888  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 36.987 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

Tgt Ion: 95 Resp: 184917  
Ion Ratio Lower Upper  
95 100  
174 89.1 0.0 179.0  
176 84.2 0.0 171.8

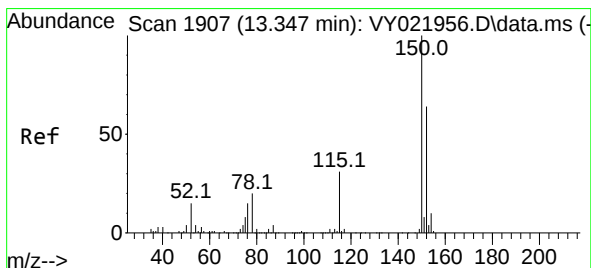
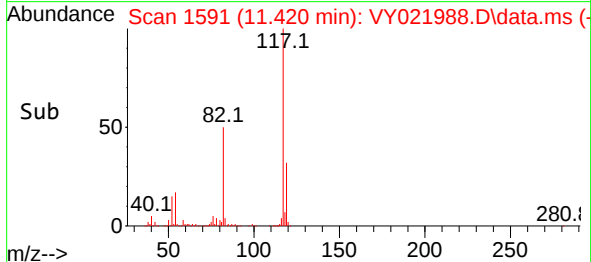
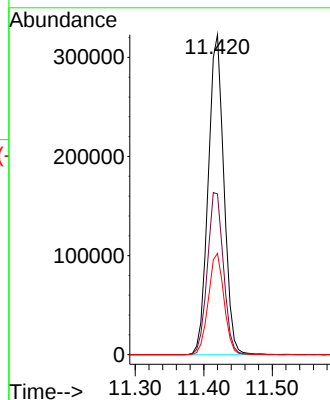
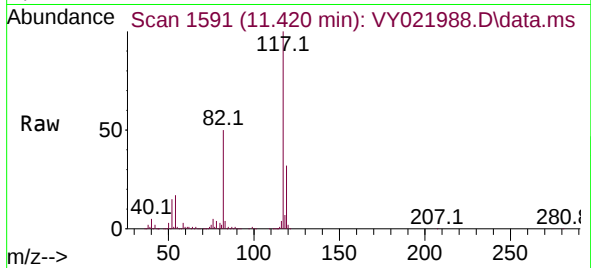




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

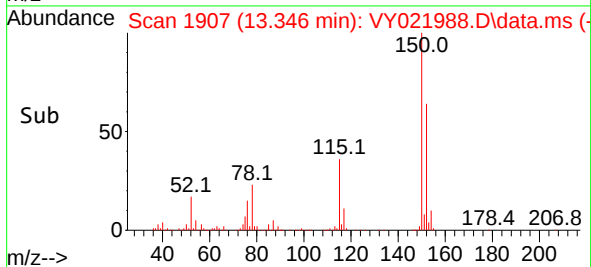
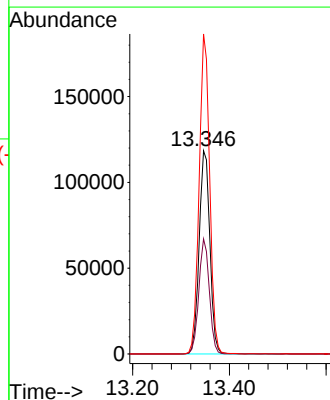
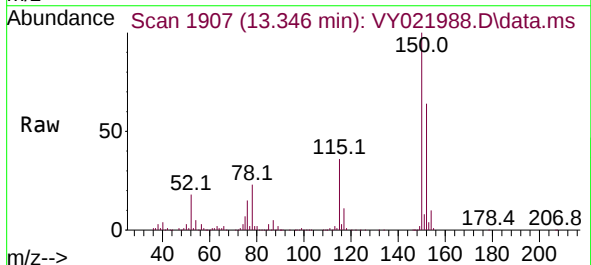
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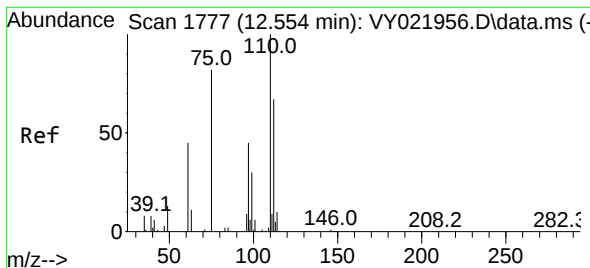
Tgt Ion:117 Resp: 513984  
Ion Ratio Lower Upper  
117 100  
82 50.3 42.1 63.1  
119 31.7 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

Tgt Ion:152 Resp: 181630  
Ion Ratio Lower Upper  
152 100  
115 55.4 28.0 84.0  
150 153.9 0.0 345.6

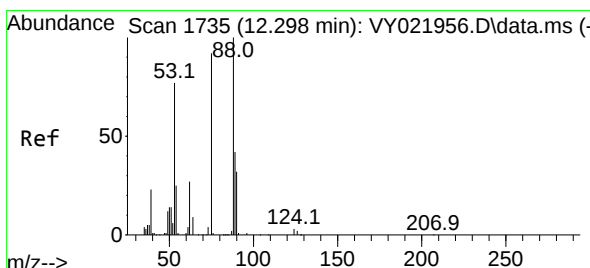
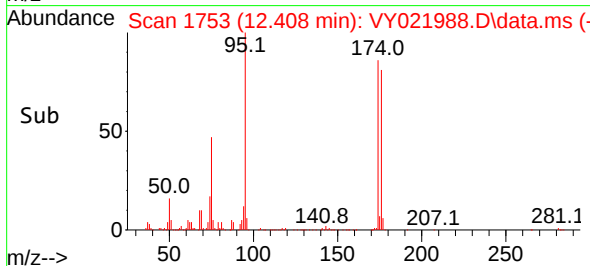
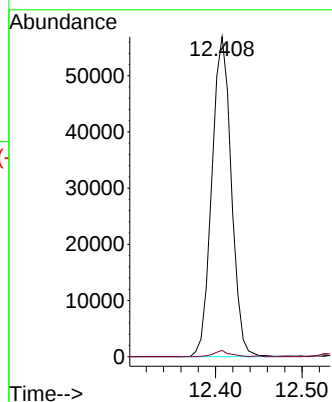
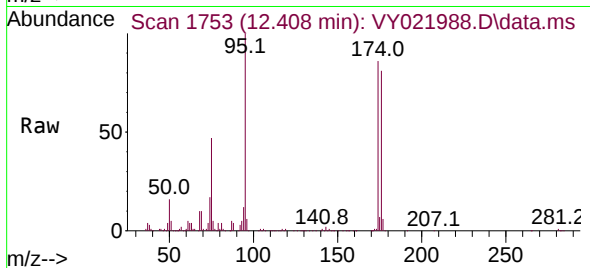




#76  
1,2,3-Trichloropropane  
Concen: 57.220 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.146 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0424SBL01

Tgt Ion: 75 Resp: 89020  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 137.794 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.110 min  
Lab File: VY021988.D  
Acq: 24 Apr 2025 09:04

Tgt Ion: 75 Resp: 89020  
Ion Ratio Lower Upper  
75 100  
53 0.2 66.0 99.0#  
89 0.0 37.2 55.8#

