

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040425\  
 Data File : VY021785.D  
 Acq On : 04 Apr 2025 15:00  
 Operator : SY/MD  
 Sample : Q1730-09  
 Misc : 6.58g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-PCS-TC-22-040325

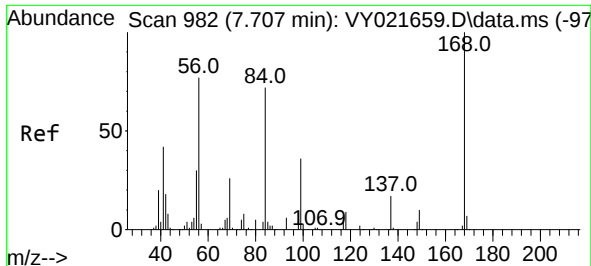
Quant Time: Apr 04 23:40:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 302418   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 596930   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 561519   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.347 | 152   | 235341   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 191837   | 58.547    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 117.100% |          |
| 35) Dibromofluoromethane      | 7.634  | 113   | 198061   | 51.150    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 102.300% |          |
| 50) Toluene-d8                | 10.109 | 98    | 739915   | 50.229    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 100.460% |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 244095   | 48.988    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 97.980%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 16) Acetone                   | 3.879  | 43    | 3380     | 5.040     | ug/l       | 92       |
| 20) Methylene Chloride        | 4.616  | 84    | 3264     | Below Cal | #          | 94       |
| 25) 2-Butanone                | 6.988  | 43    | 3484     | 3.637     | ug/l #     | 48       |
| 31) Cyclohexane               | 7.713  | 56    | 6688     | 1.156     | ug/l #     | 13       |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 25196    | 4.272     | ug/l #     | 50       |
| 37) Ethyl Acetate             | 6.988  | 43    | 3484     | 1.252     | ug/l #     | 93       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 31065    | 4.599     | ug/l #     | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.103 | 43    | 3228     | 1.176     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75    | 131099   | 56.197    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75    | 131099   | 129.488   | ug/l #     | 12       |
| -----                         |        |       |          |           |            |          |

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

Quant Time: Apr 04 23:40:16 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

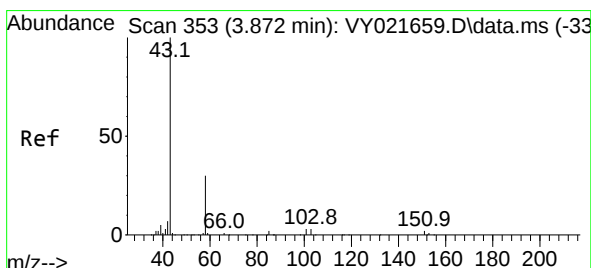
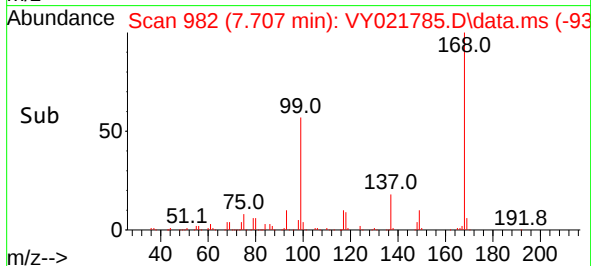
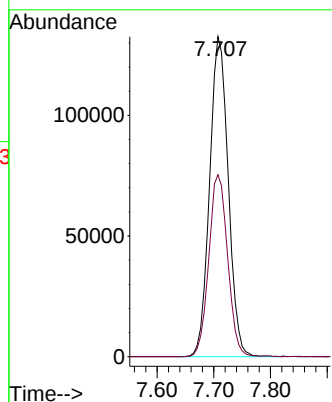
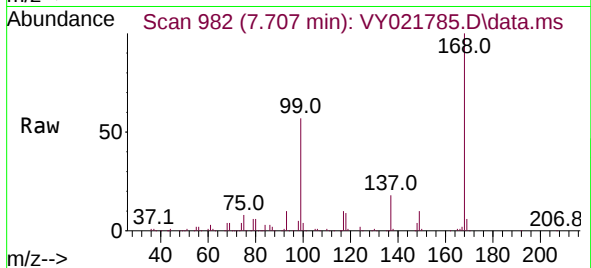




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

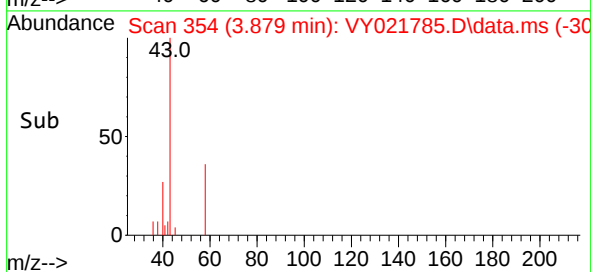
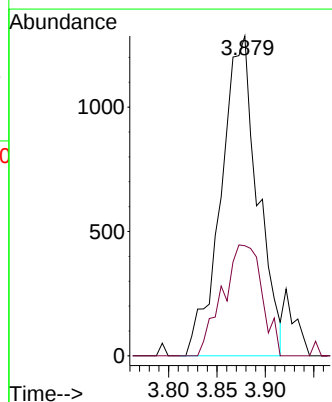
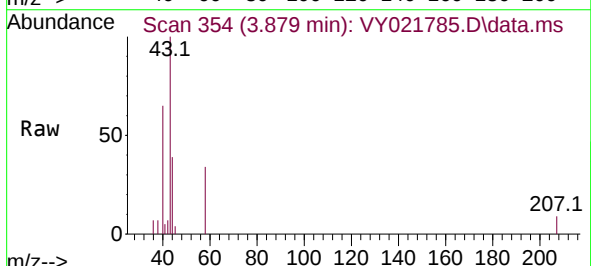
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-22-040325

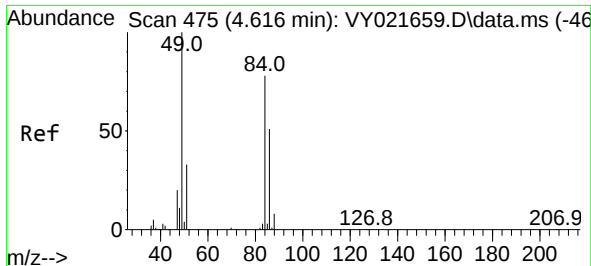
Tgt Ion:168 Resp: 302418  
Ion Ratio Lower Upper  
168 100  
99 56.9 46.7 70.1



#16  
Acetone  
Concen: 5.040 ug/l  
RT: 3.879 min Scan# 354  
Delta R.T. 0.006 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

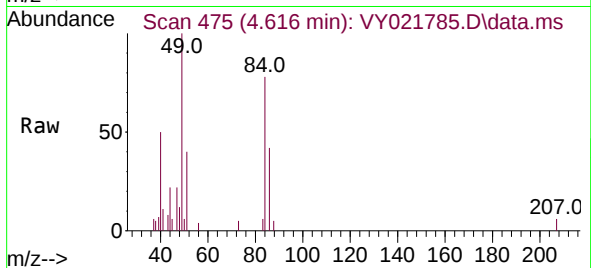
Tgt Ion: 43 Resp: 3380  
Ion Ratio Lower Upper  
43 100  
58 34.4 24.2 36.4



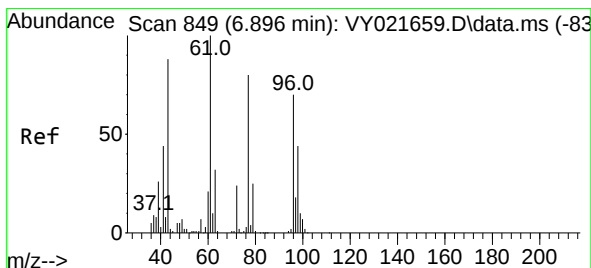
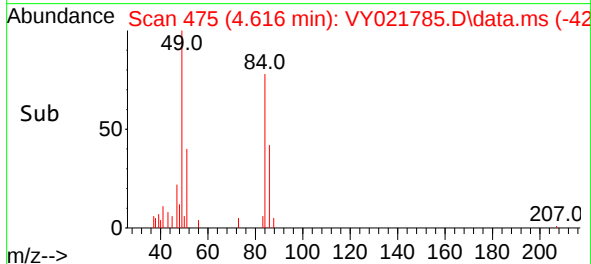
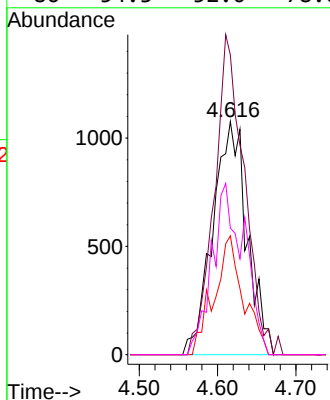


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.616 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-22-040325

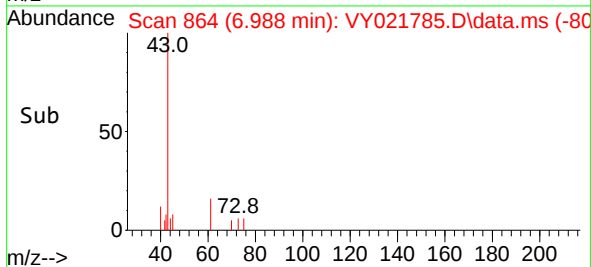
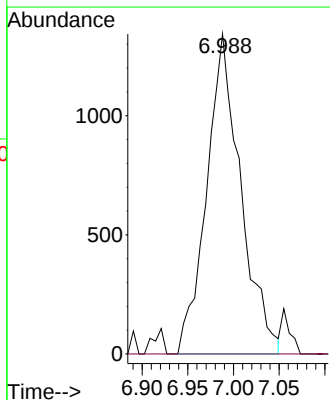
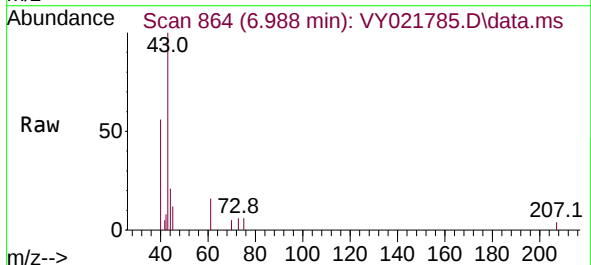


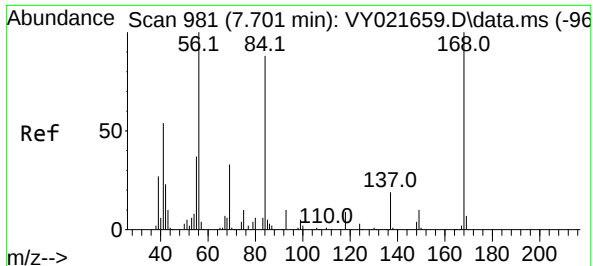
Tgt Ion: 84 Resp: 3264  
Ion Ratio Lower Upper  
84 100  
49 128.5 102.8 154.2  
51 51.0 33.5 50.3#  
86 54.3 52.0 78.0



#25  
2-Butanone  
Concen: 3.637 ug/l  
RT: 6.988 min Scan# 864  
Delta R.T. 0.092 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

Tgt Ion: 43 Resp: 3484  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.4 32.2#

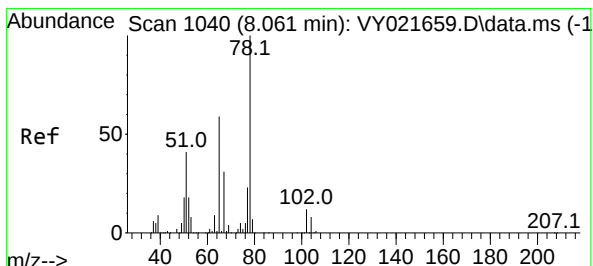
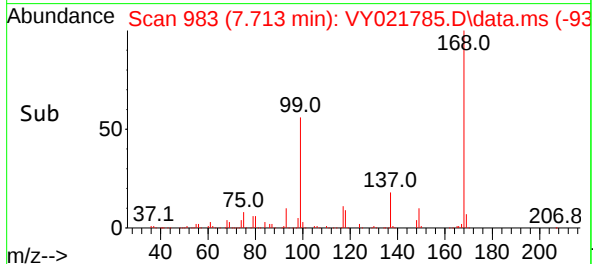
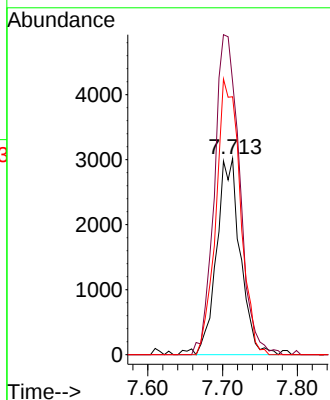
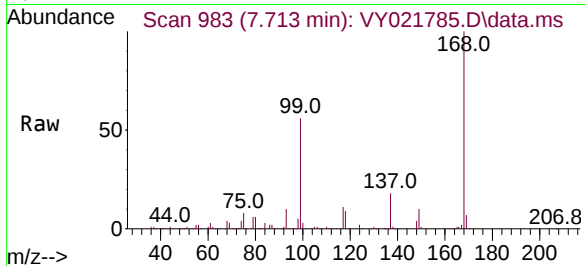




#31  
Cyclohexane  
Concen: 1.156 ug/l  
RT: 7.713 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

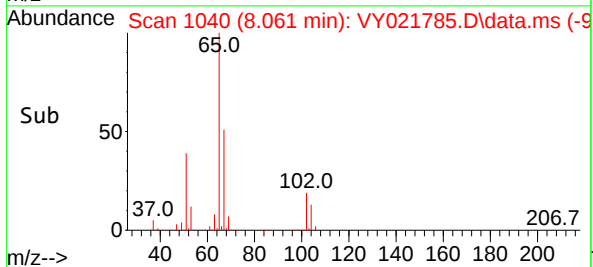
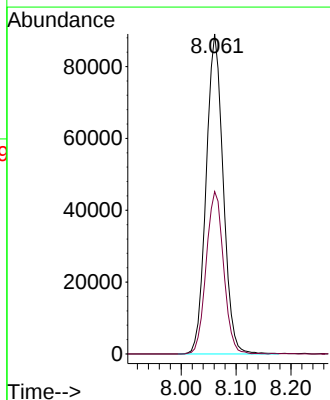
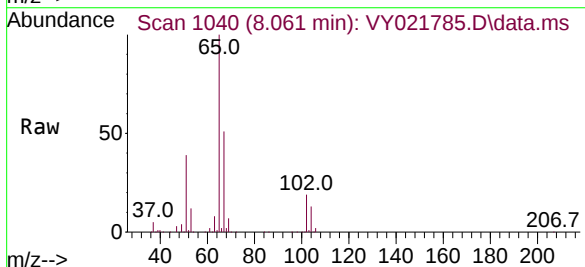
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-22-040325

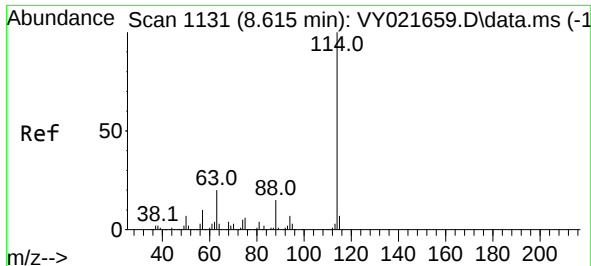
Tgt Ion: 56 Resp: 6688  
Ion Ratio Lower Upper  
56 100  
69 139.1 26.6 40.0#  
84 131.5 69.0 103.4#



#33  
1,2-Dichloroethane-d4  
Concen: 58.547 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

Tgt Ion: 65 Resp: 191837  
Ion Ratio Lower Upper  
65 100  
67 51.9 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: VY021785.D

Acq: 04 Apr 2025 15:00

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-PCS-TC-22-040325

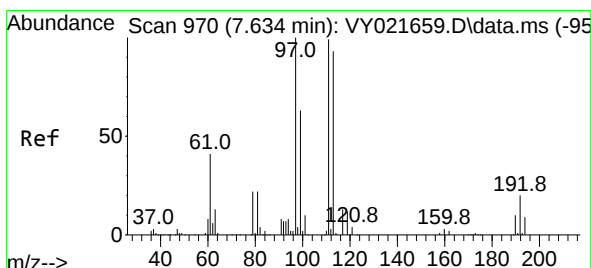
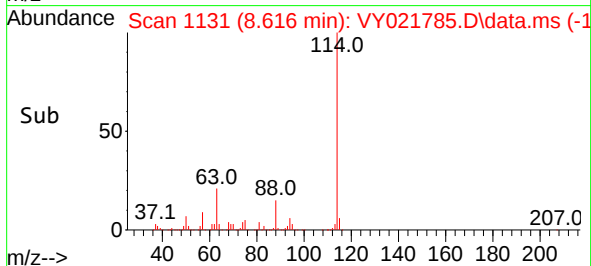
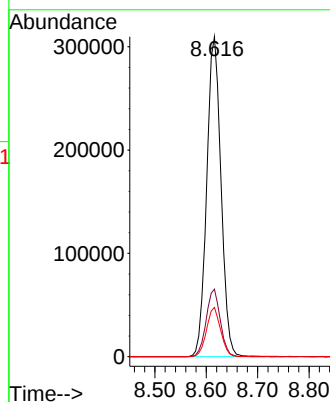
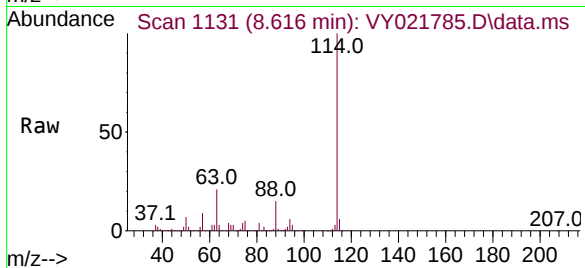
Tgt Ion:114 Resp: 596930

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.2

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.150 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021785.D

Acq: 04 Apr 2025 15:00

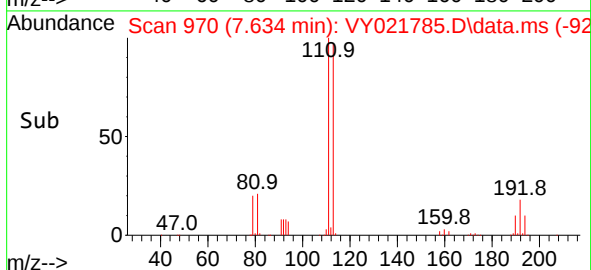
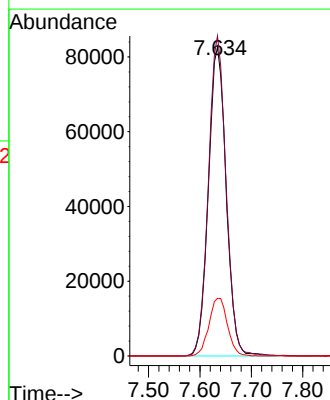
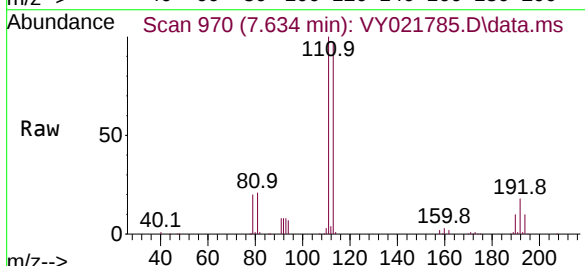
Tgt Ion:113 Resp: 198061

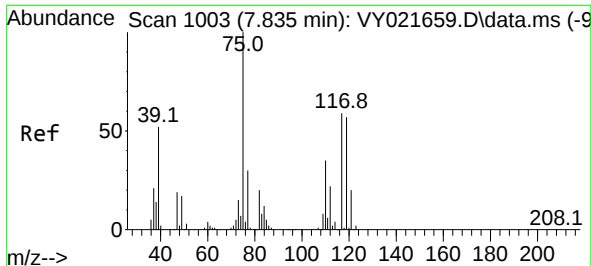
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 19.5 16.2 24.4

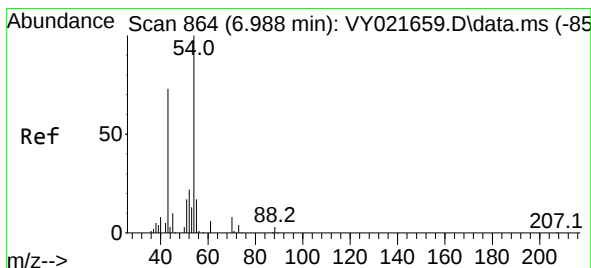
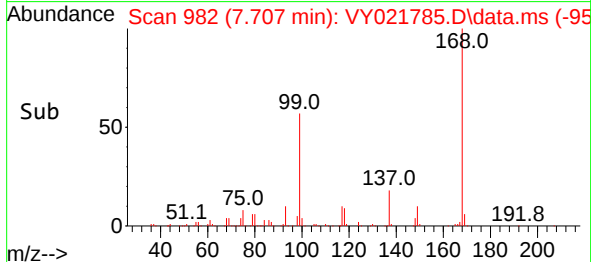
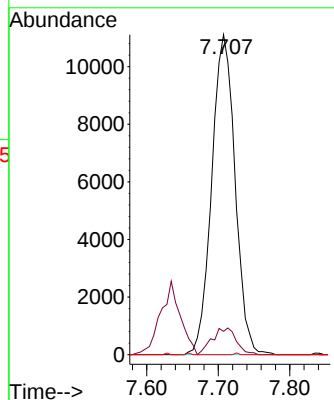
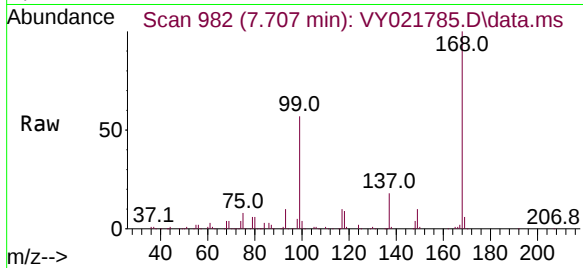




#36  
 1,1-Dichloropropene  
 Concen: 4.272 ug/l  
 RT: 7.707 min Scan# 91  
 Delta R.T. -0.128 min  
 Lab File: VY021785.D  
 Acq: 04 Apr 2025 15:00

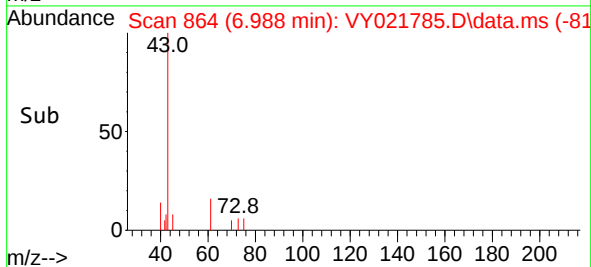
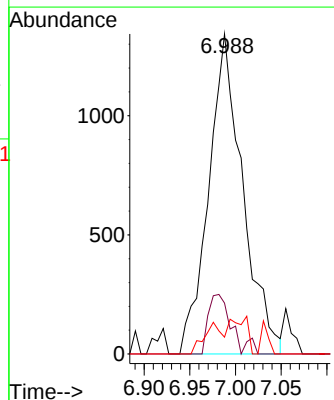
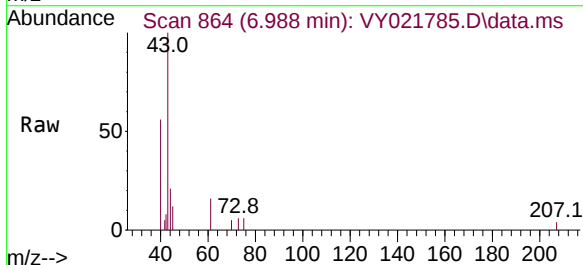
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-PCS-TC-22-040325

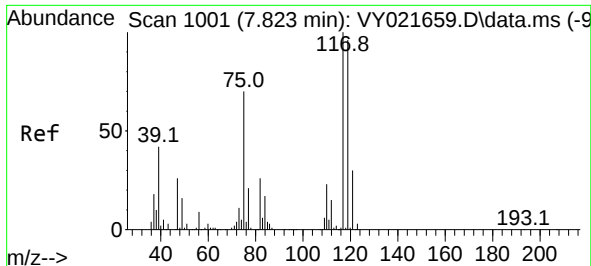
Tgt Ion: 75 Resp: 25196  
 Ion Ratio Lower Upper  
 75 100  
 110 8.6 17.0 50.9#  
 77 0.1 24.8 37.2#



#37  
 Ethyl Acetate  
 Concen: 1.252 ug/l  
 RT: 6.988 min Scan# 864  
 Delta R.T. 0.000 min  
 Lab File: VY021785.D  
 Acq: 04 Apr 2025 15:00

Tgt Ion: 43 Resp: 3484  
 Ion Ratio Lower Upper  
 43 100  
 61 12.7 11.0 16.6  
 70 5.3 8.1 12.1#

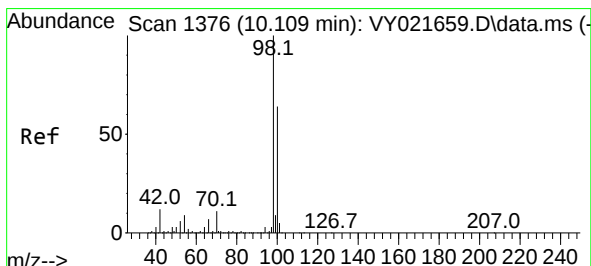
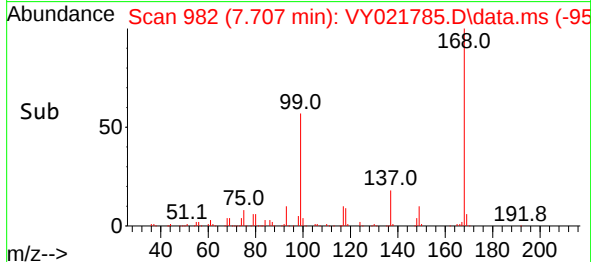
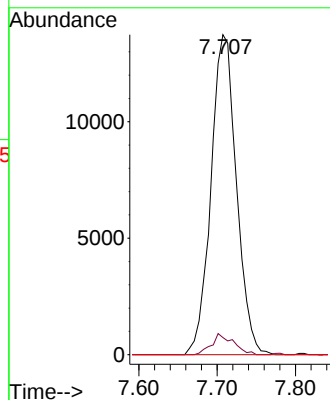
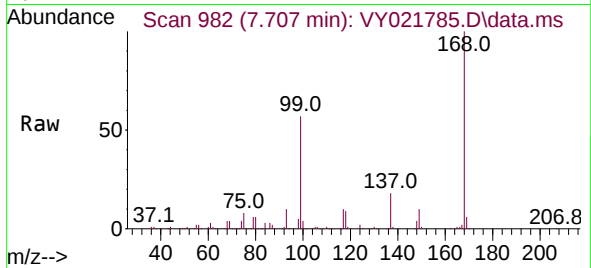




#38  
Carbon Tetrachloride  
Concen: 4.599 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.116 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

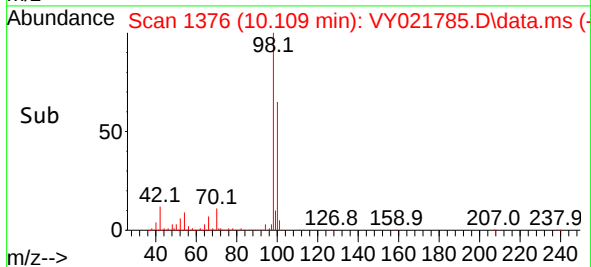
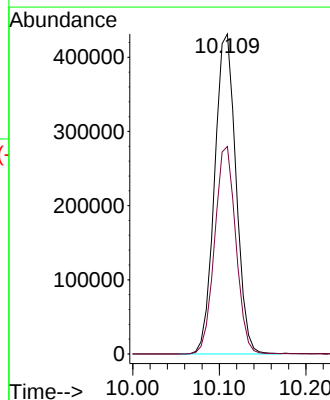
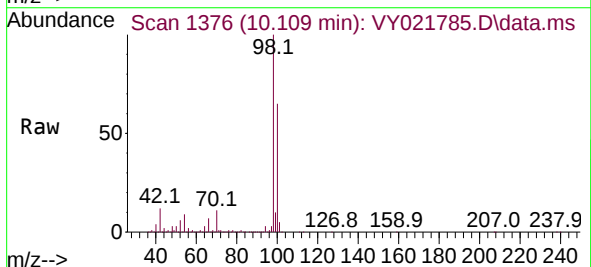
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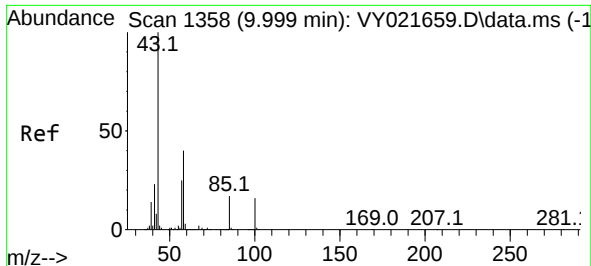
Tgt Ion: 117 Resp: 31065  
Ion Ratio Lower Upper  
117 100  
119 5.3 76.2 114.4#  
121 0.0 24.2 36.4#



#50  
Toluene-d8  
Concen: 50.229 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

Tgt Ion: 98 Resp: 739915  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.1 78.1

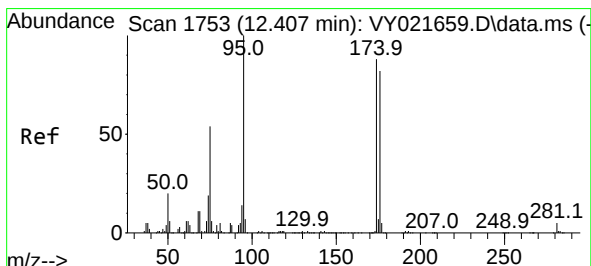
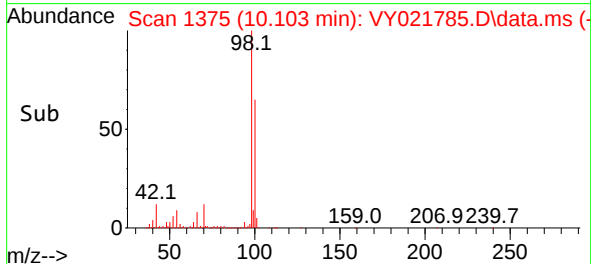
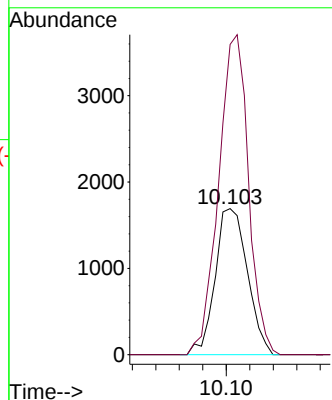
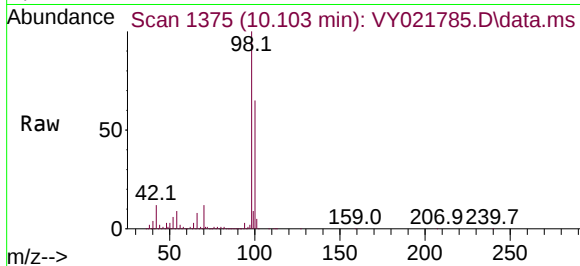




#51  
4-Methyl-2-Pentanone  
Concen: 1.176 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.104 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

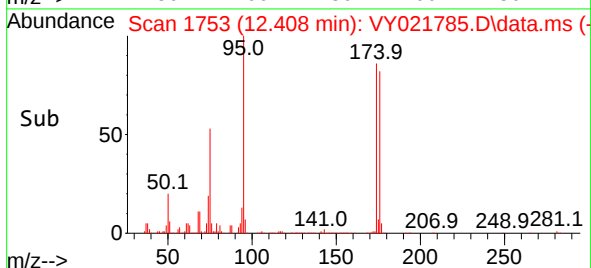
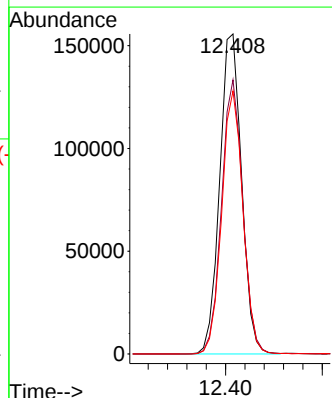
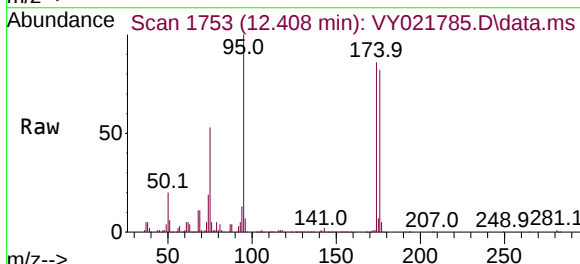
Instrument :  
MSVOA\_Y  
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OU4-PCS-TC-22-040325

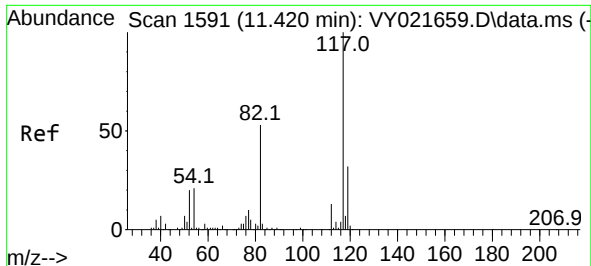
Tgt Ion: 43 Resp: 3228  
Ion Ratio Lower Upper  
43 100  
58 203.1 31.5 47.3#



#62  
4-Bromofluorobenzene  
Concen: 48.988 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

Tgt Ion: 95 Resp: 244095  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 170.8  
176 79.7 0.0 162.0

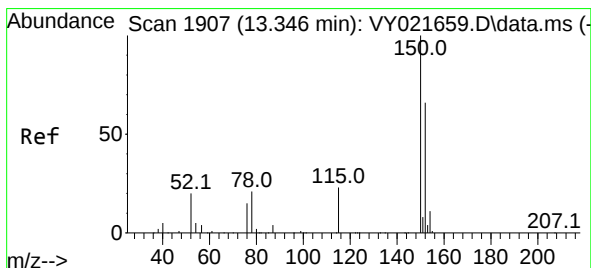
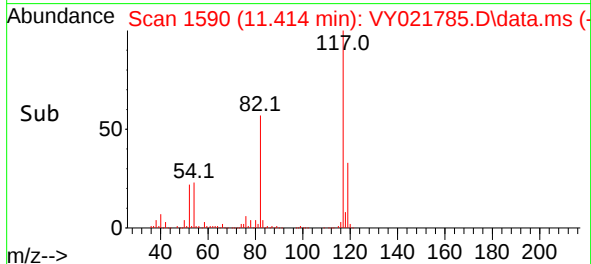
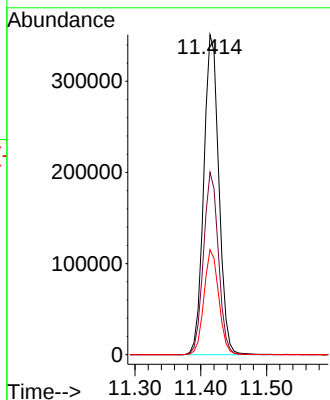
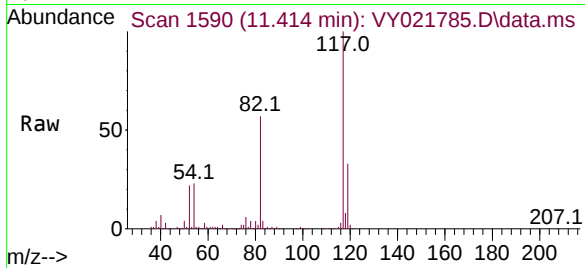




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

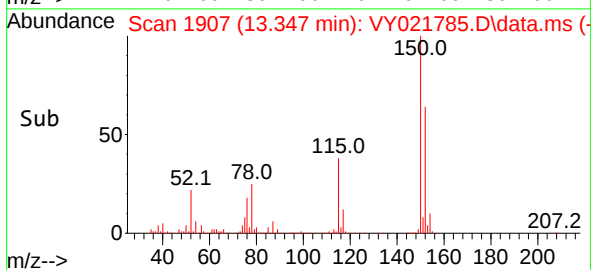
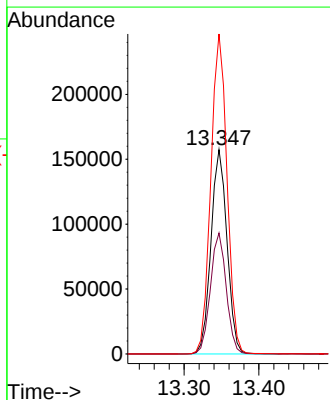
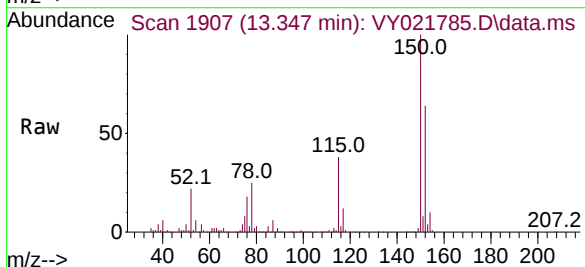
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-22-040325

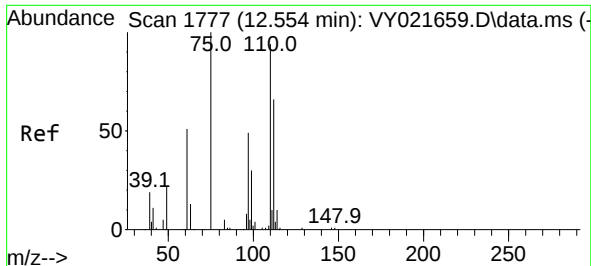
Tgt Ion:117 Resp: 561519  
Ion Ratio Lower Upper  
117 100  
82 57.0 42.8 64.2  
119 32.8 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

Tgt Ion:152 Resp: 235341  
Ion Ratio Lower Upper  
152 100  
115 58.5 28.8 86.5  
150 157.8 0.0 348.4

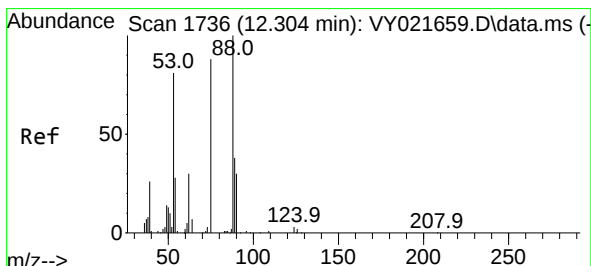
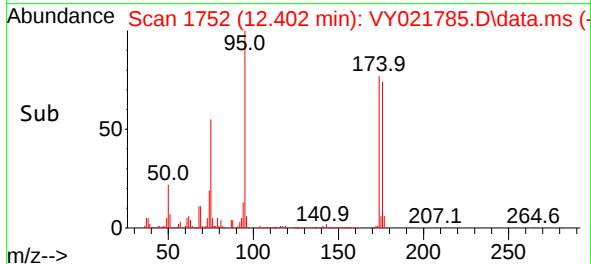
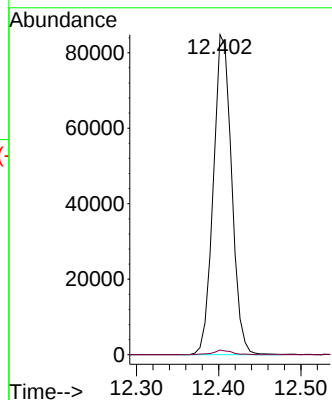
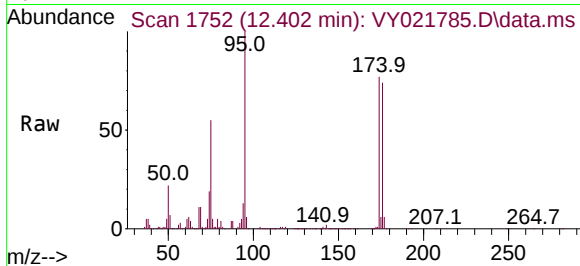




#76  
1,2,3-Trichloropropane  
Concen: 56.197 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.152 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-22-040325

Tgt Ion: 75 Resp: 131099  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 129.488 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.098 min  
Lab File: VY021785.D  
Acq: 04 Apr 2025 15:00

Tgt Ion: 75 Resp: 131099  
Ion Ratio Lower Upper  
75 100  
53 0.1 76.1 114.1#  
89 0.1 36.2 54.4#

