

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041825\  
 Data File : VY021930.D  
 Acq On : 18 Apr 2025 14:57  
 Operator : SY/MD  
 Sample : Q1832-32  
 Misc : 6.23g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-714-VOC-6

Quant Time: Apr 19 01:14:07 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

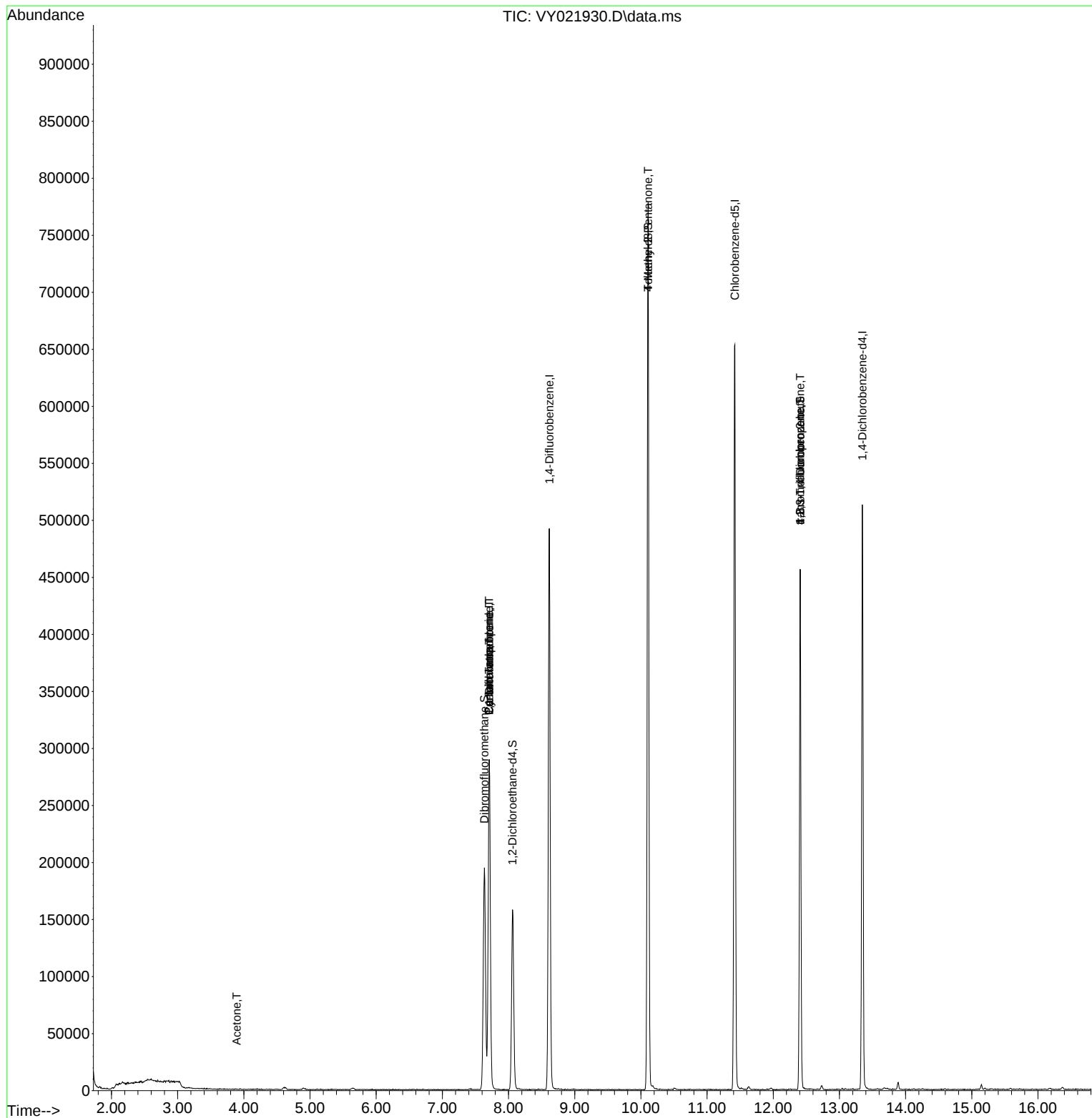
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707     | 168   | 217902   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 405779   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420    | 117   | 345081   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.347    | 152   | 125325   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 126872   | 53.739    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 107.480% |          |
| 35) Dibromofluoromethane      | 7.634     | 113   | 136798   | 51.971    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 103.940% |          |
| 50) Toluene-d8                | 10.109    | 98    | 490280   | 48.961    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 97.920%  |          |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 133054   | 39.282    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 78.560%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 16) Acetone                   | 3.891     | 43    | 525      | 1.087     | ug/l #     | 44       |
| 20) Methylene Chloride        | 4.604     | 84    | 611      | Below Cal | #          | 80       |
| 31) Cyclohexane               | 7.707     | 56    | 5129     | 1.231     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 17485    | 4.361     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.707     | 117   | 21470    | 4.676     | ug/l #     | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.109    | 43    | 2257     | 1.210     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.408    | 75    | 70517    | 56.764    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408    | 75    | 70517    | 130.793   | ug/l #     | 12       |
| -----                         |           |       |          |           |            |          |

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

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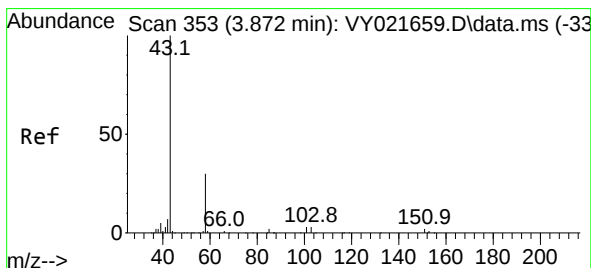
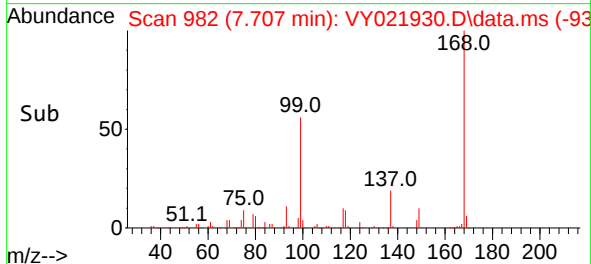
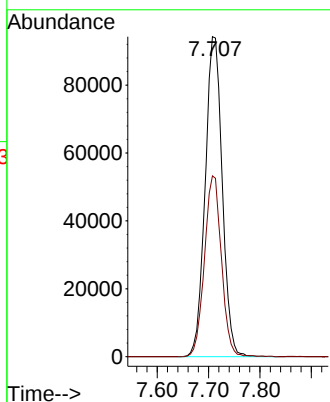
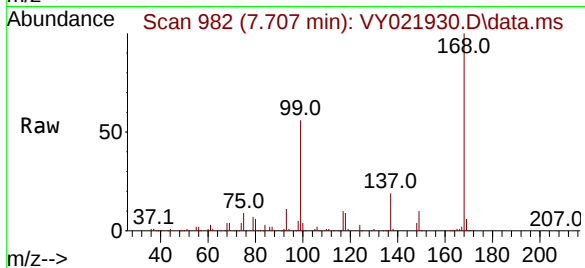




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021930.D  
Acq: 18 Apr 2025 14:57

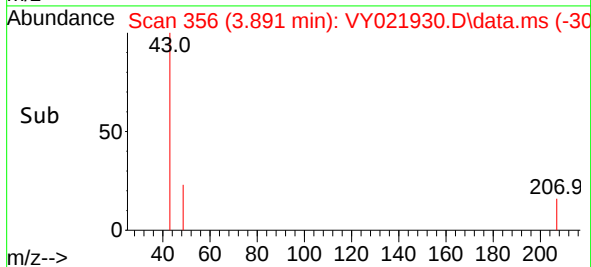
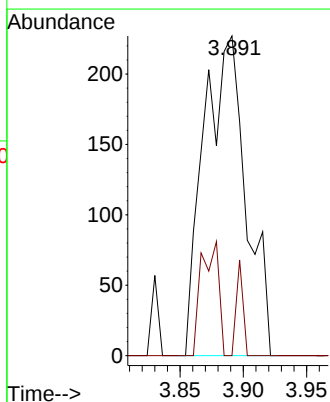
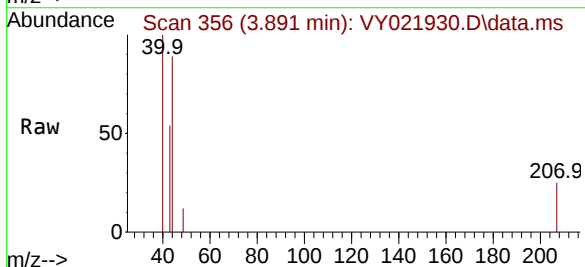
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-714-VOC-6

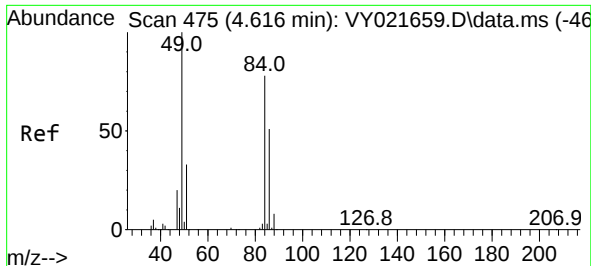
Tgt Ion:168 Resp: 217902  
Ion Ratio Lower Upper  
168 100  
99 56.5 46.7 70.1



#16  
Acetone  
Concen: 1.087 ug/l  
RT: 3.891 min Scan# 356  
Delta R.T. 0.019 min  
Lab File: VY021930.D  
Acq: 18 Apr 2025 14:57

Tgt Ion: 43 Resp: 525  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.2 36.4#



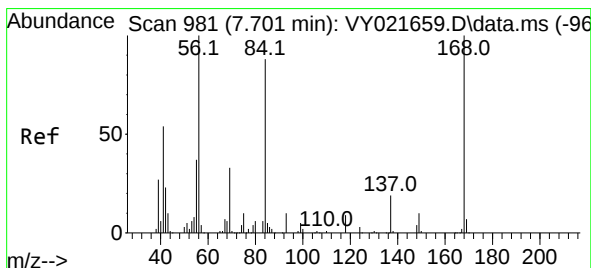
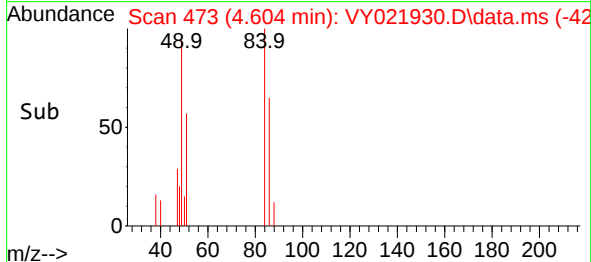
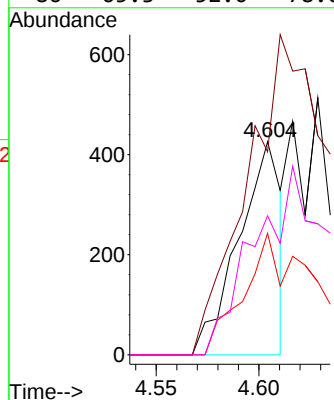
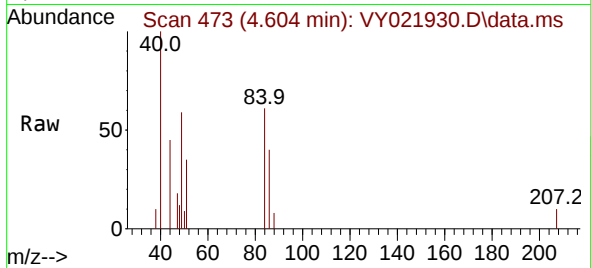


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.604 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VY021930.D  
Acq: 18 Apr 2025 14:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-714-VOC-6

Tgt Ion: 84 Resp: 611

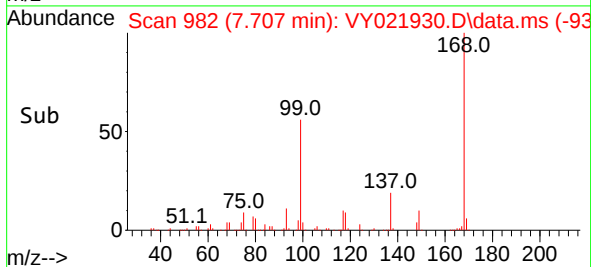
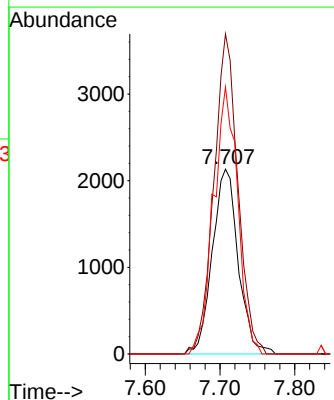
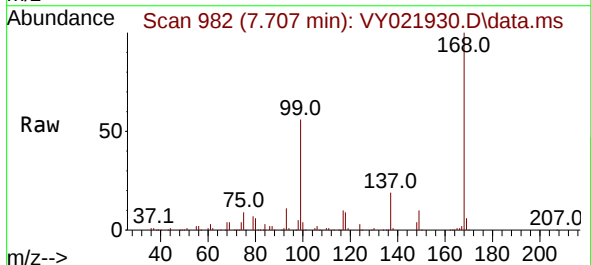
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 95.3  | 102.8 | 154.2# |
| 51  | 57.0  | 33.5  | 50.3#  |
| 86  | 65.3  | 52.0  | 78.0   |

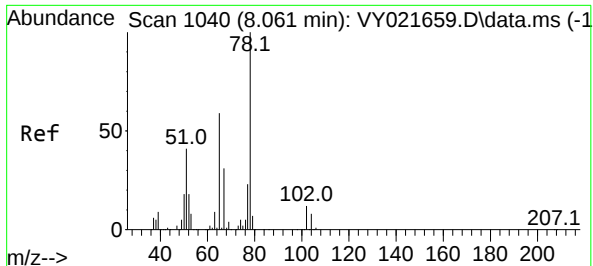


#31  
Cyclohexane  
Concen: 1.231 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY021930.D  
Acq: 18 Apr 2025 14:57

Tgt Ion: 56 Resp: 5129

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 173.1 | 26.6  | 40.0#  |
| 84  | 144.4 | 69.0  | 103.4# |





#33

1,2-Dichloroethane-d4

Concen: 53.739 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021930.D

Acq: 18 Apr 2025 14:57

Instrument :

MSVOA\_Y

ClientSampleId :

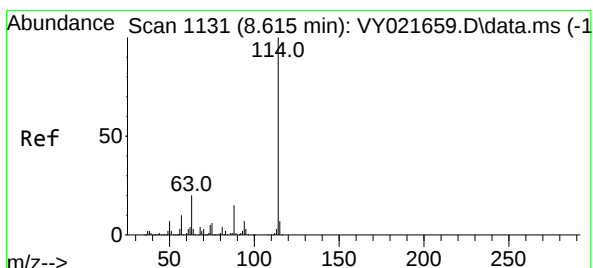
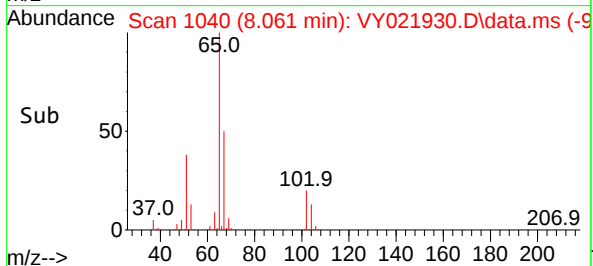
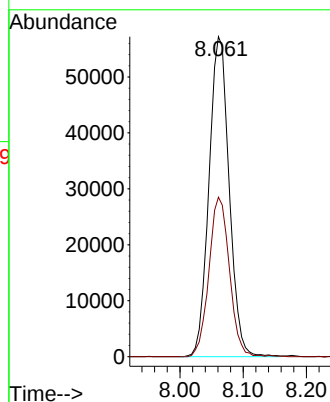
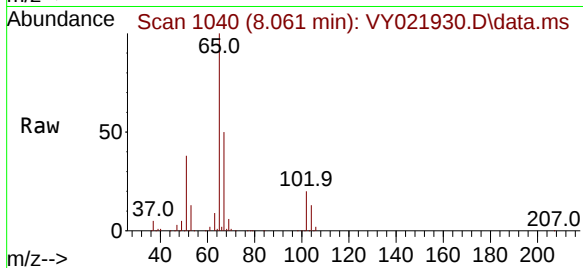
PL-714-VOC-6

Tgt Ion: 65 Resp: 126872

Ion Ratio Lower Upper

65 100

67 50.6 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: VY021930.D

Acq: 18 Apr 2025 14:57

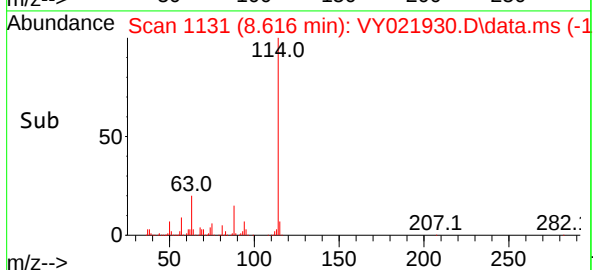
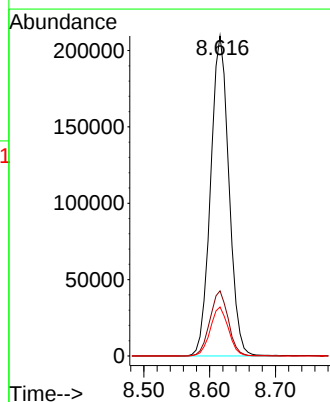
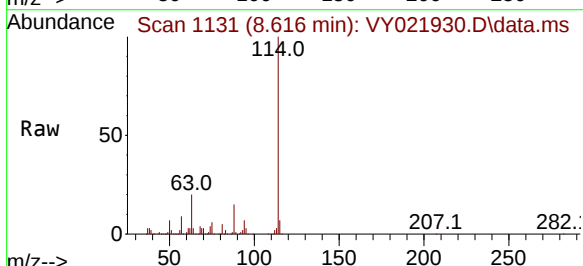
Tgt Ion: 114 Resp: 405779

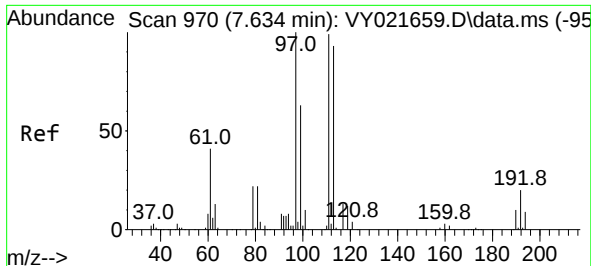
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.3 0.0 29.8

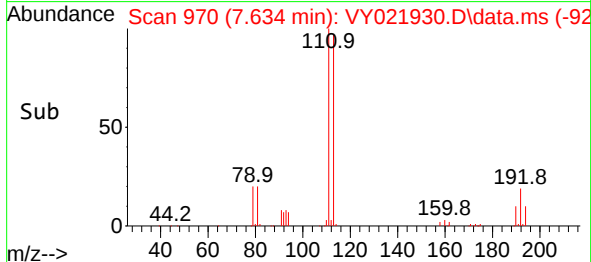
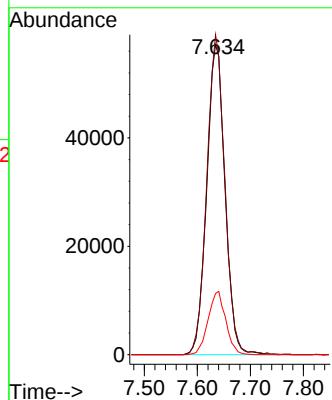
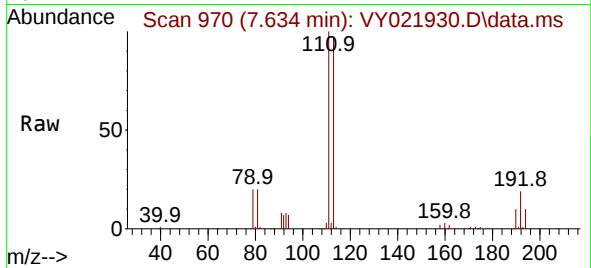




#35  
Dibromofluoromethane  
Concen: 51.971 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021930.D  
Acq: 18 Apr 2025 14:57

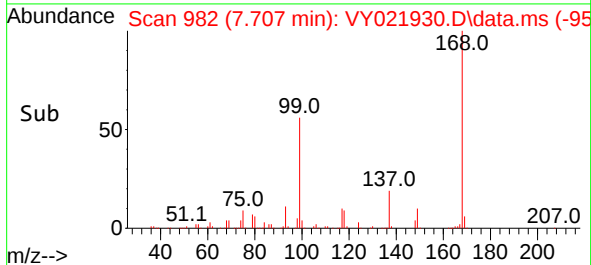
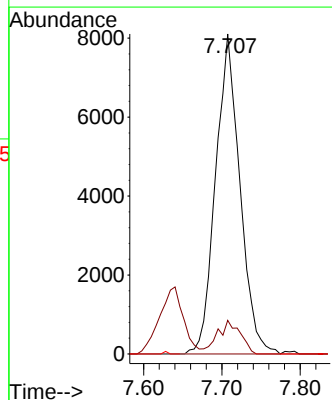
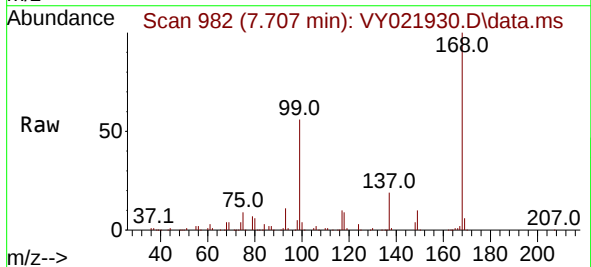
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-714-VOC-6

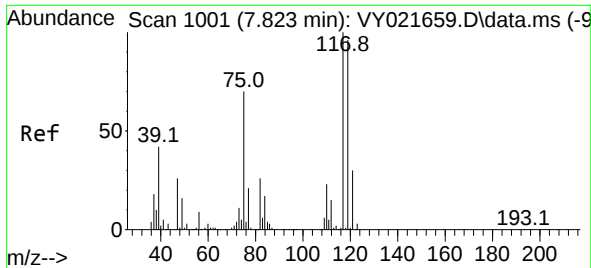
Tgt Ion:113 Resp: 136798  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.6 123.8  
192 19.8 16.2 24.4



#36  
1,1-Dichloropropene  
Concen: 4.361 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY021930.D  
Acq: 18 Apr 2025 14:57

Tgt Ion: 75 Resp: 17485  
Ion Ratio Lower Upper  
75 100  
110 10.0 17.0 50.9#  
77 0.0 24.8 37.2#

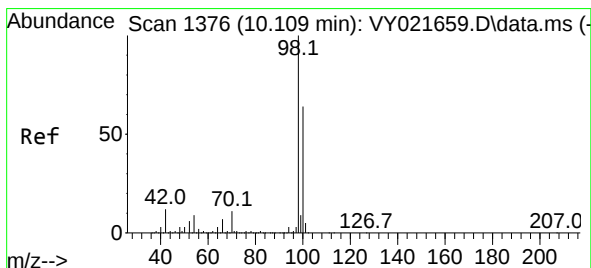
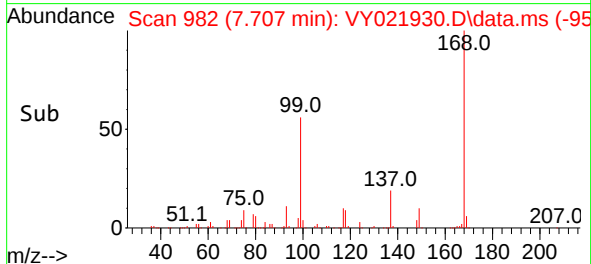
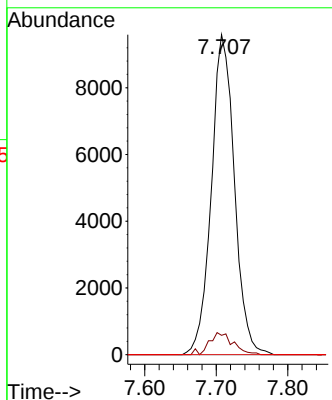
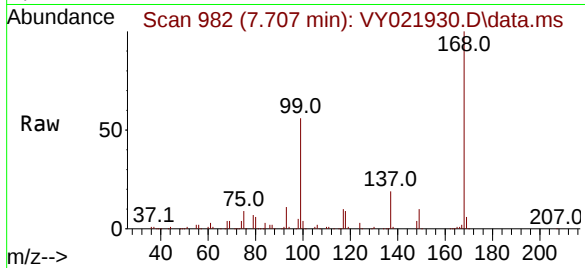




#38  
Carbon Tetrachloride  
Concen: 4.676 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY021930.D  
Acq: 18 Apr 2025 14:57

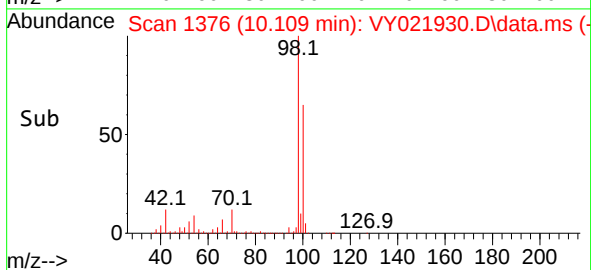
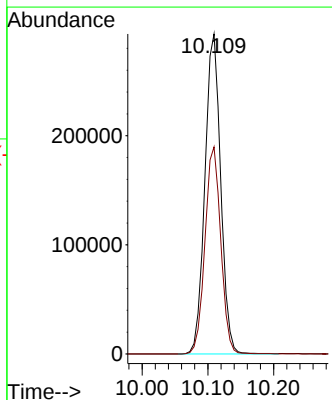
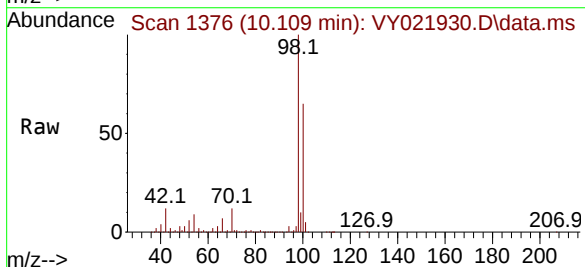
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-714-VOC-6

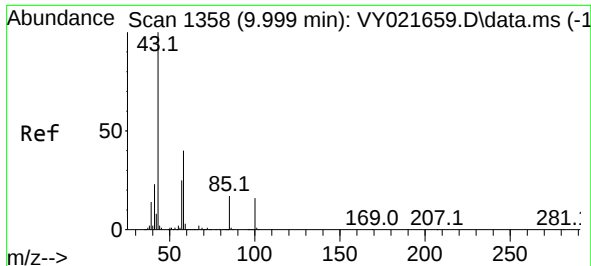
Tgt Ion:117 Resp: 21470  
Ion Ratio Lower Upper  
117 100  
119 6.1 76.2 114.4#  
121 0.0 24.2 36.4#



#50  
Toluene-d8  
Concen: 48.961 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY021930.D  
Acq: 18 Apr 2025 14:57

Tgt Ion: 98 Resp: 490280  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.210 ug/l

RT: 10.109 min Scan# 1358

Delta R.T. 0.110 min

Lab File: VY021930.D

Acq: 18 Apr 2025 14:57

Instrument :

MSVOA\_Y

ClientSampleId :

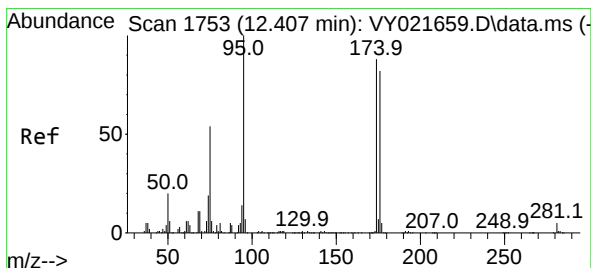
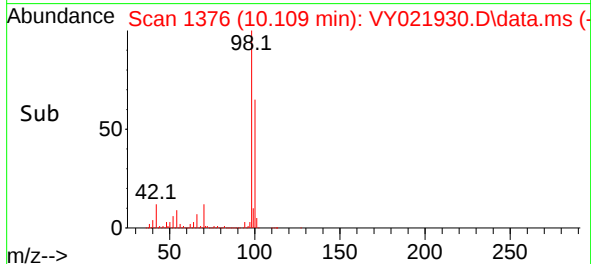
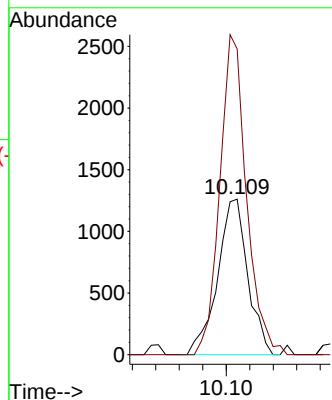
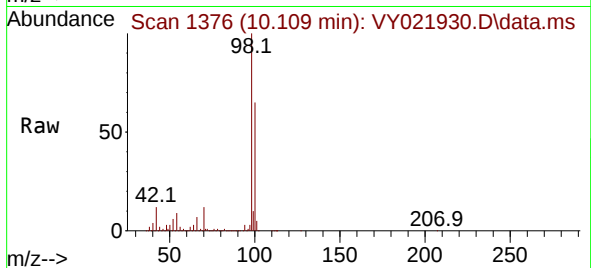
PL-714-VOC-6

Tgt Ion: 43 Resp: 2257

Ion Ratio Lower Upper

43 100

58 181.1 31.5 47.3#



#62

4-Bromofluorobenzene

Concen: 39.282 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021930.D

Acq: 18 Apr 2025 14:57

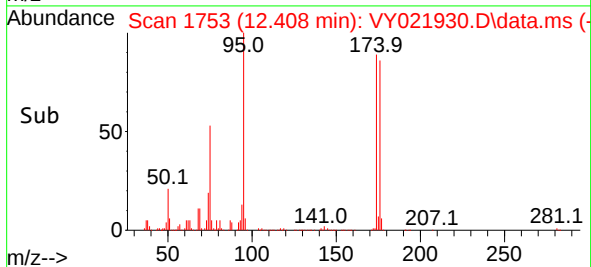
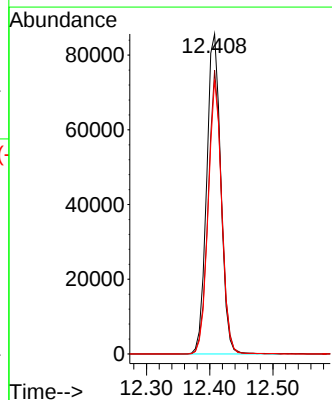
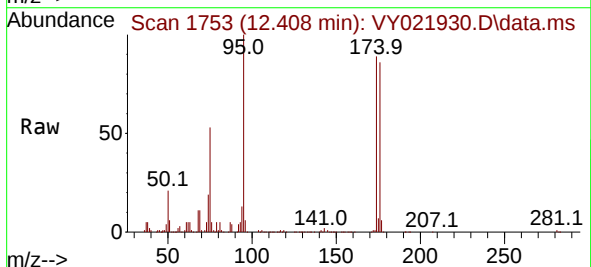
Tgt Ion: 95 Resp: 133054

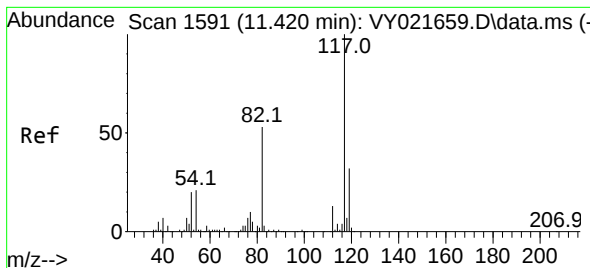
Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.8

176 81.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021930.D

Acq: 18 Apr 2025 14:57

Instrument :

MSVOA\_Y

ClientSampleId :

PL-714-VOC-6

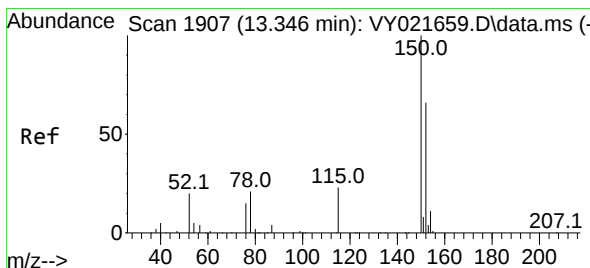
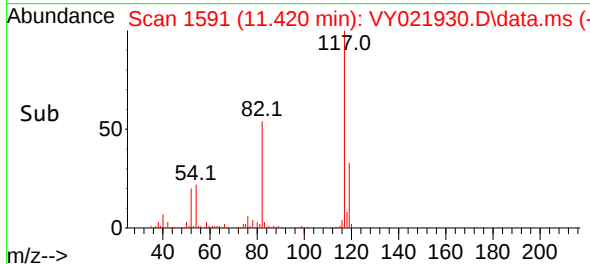
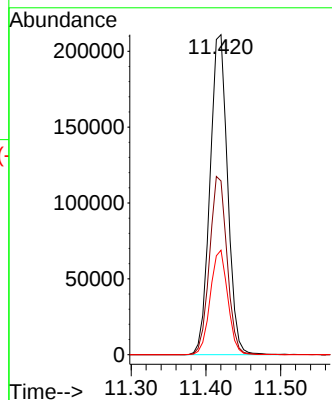
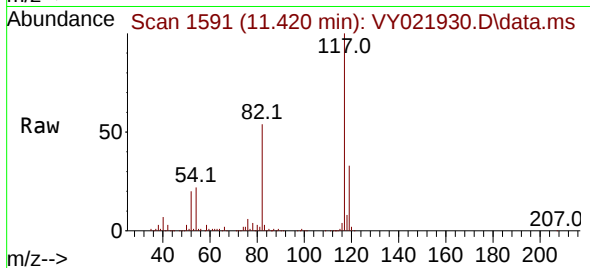
Tgt Ion:117 Resp: 345081

Ion Ratio Lower Upper

117 100

82 54.3 42.8 64.2

119 32.6 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: VY021930.D

Acq: 18 Apr 2025 14:57

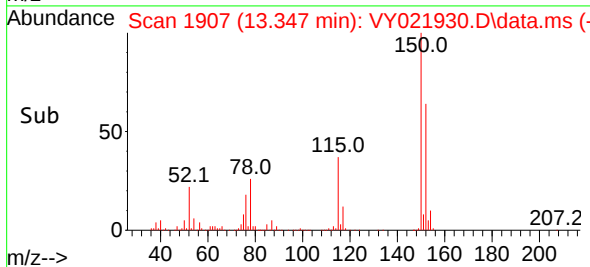
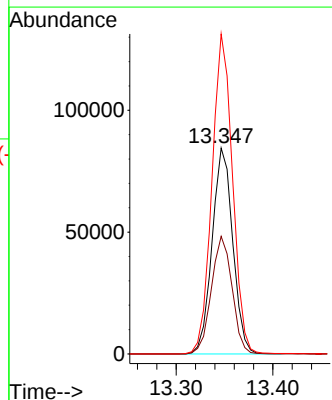
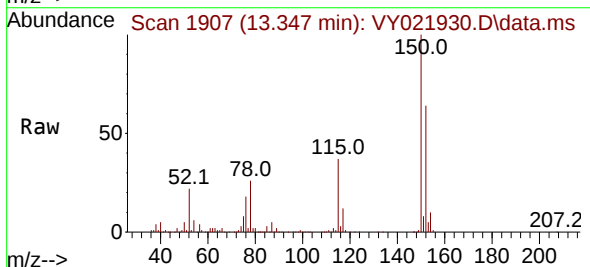
Tgt Ion:152 Resp: 125325

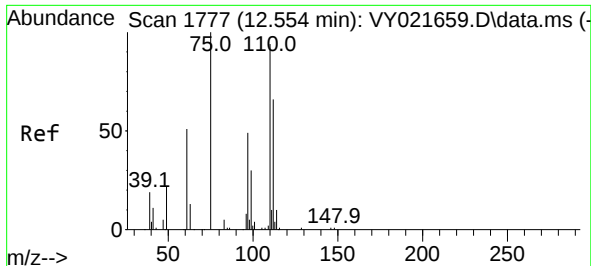
Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 154.6 0.0 348.4

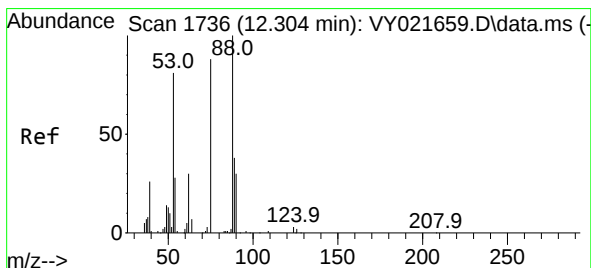
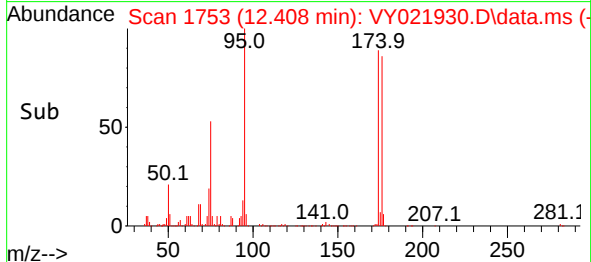
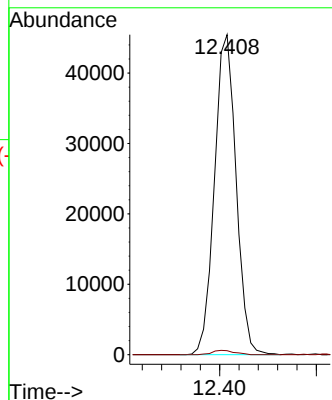
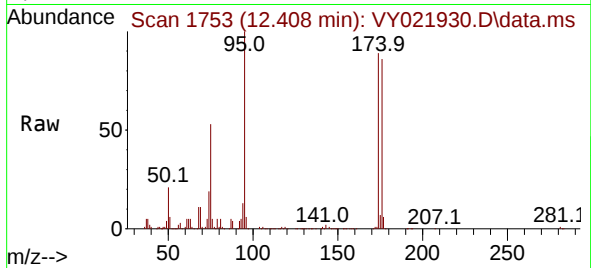




#76  
1,2,3-Trichloropropane  
Concen: 56.764 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.146 min  
Lab File: VY021930.D  
Acq: 18 Apr 2025 14:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-714-VOC-6

Tgt Ion: 75 Resp: 70517  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 130.793 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY021930.D  
Acq: 18 Apr 2025 14:57

Tgt Ion: 75 Resp: 70517  
Ion Ratio Lower Upper  
75 100  
53 0.2 76.1 114.1#  
89 0.0 36.2 54.4#

