

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072125\  
 Data File : VY023029.D  
 Acq On : 21 Jul 2025 16:10  
 Operator : SY/MD  
 Sample : Q2649-23  
 Misc : 5.11g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-6-VOC

Quant Time: Jul 22 04:53:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071825S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 19 01:50:49 2025  
 Response via : Initial Calibration

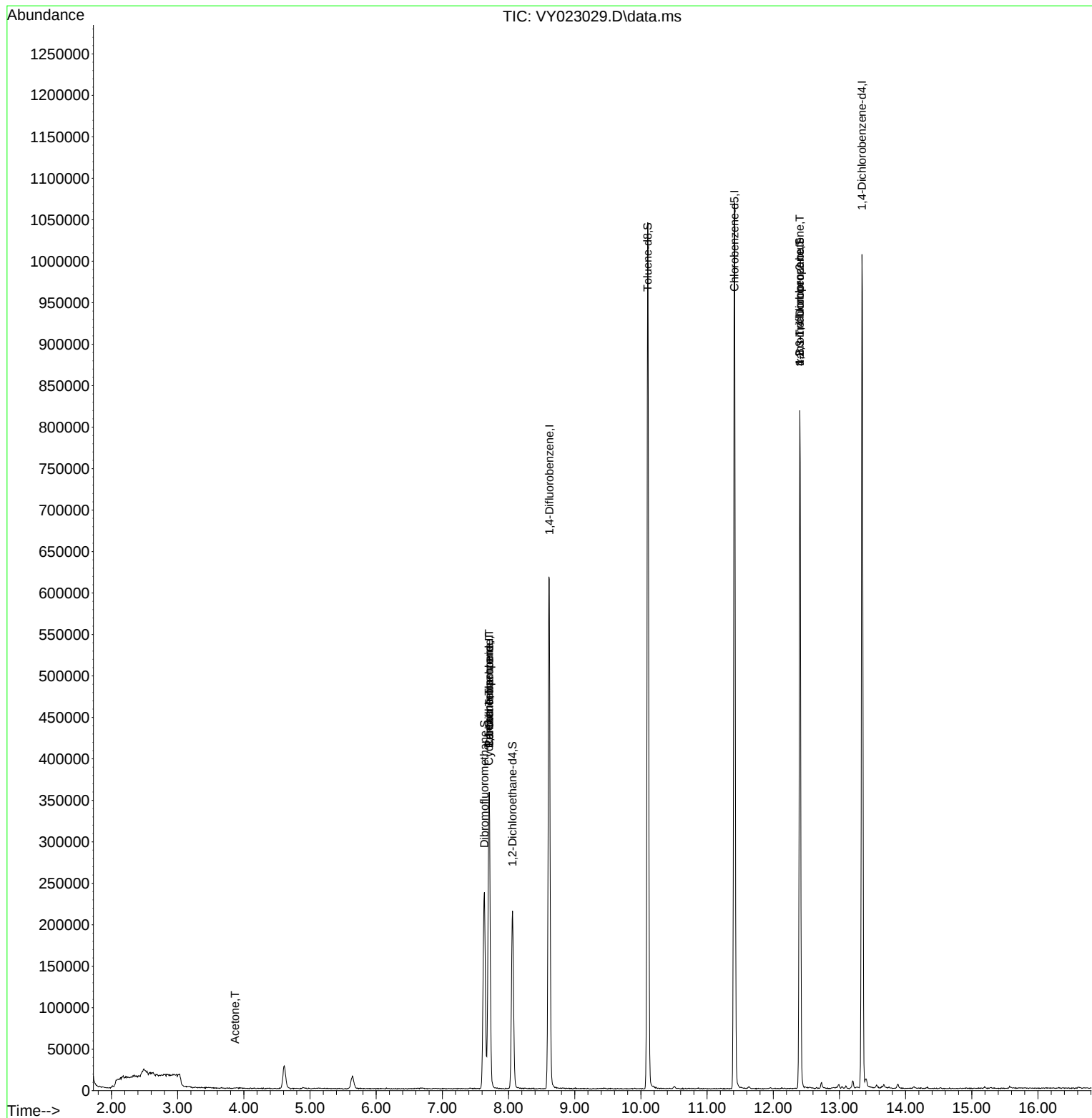
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 270584   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 516563   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 539646   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.340 | 152   | 246358   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 168358   | 61.462    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 122.920% |          |
| 35) Dibromofluoromethane      | 7.634  | 113   | 167337   | 51.068    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 102.140% |          |
| 50) Toluene-d8                | 10.103 | 98    | 646921   | 49.785    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 99.560%  |          |
| 62) 4-Bromofluorobenzene      | 12.402 | 95    | 235849   | 57.659    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 115.320% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 16) Acetone                   | 3.866  | 43    | 833      | 1.678     | ug/l       | 100      |
| 20) Methylene Chloride        | 4.610  | 84    | 19548    | Below Cal |            | 96       |
| 31) Cyclohexane               | 7.701  | 56    | 6353     | 1.165     | ug/l #     | 24       |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 23105    | 4.476     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 27663    | 4.933     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75    | 132109   | 43.035    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75    | 132109   | 128.178   | ug/l #     | 12       |
| -----                         |        |       |          |           |            |          |

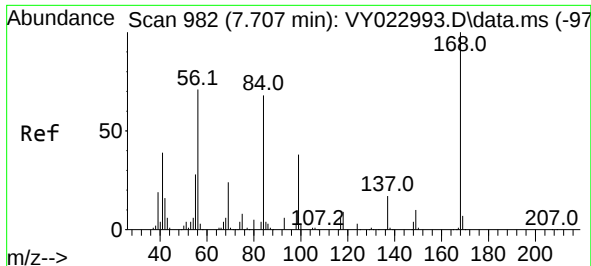
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072125\  
Data File : VY023029.D  
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Sample : Q2649-23  
Misc : 5.11g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-6-VOC

Quant Time: Jul 22 04:53:34 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071825S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 19 01:50:49 2025  
Response via : Initial Calibration

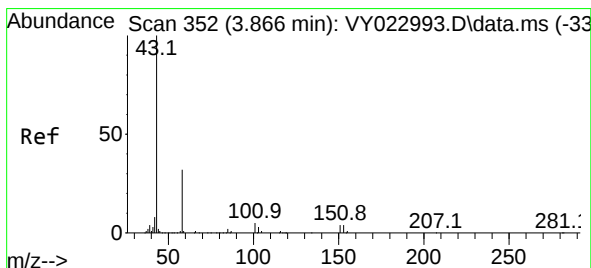
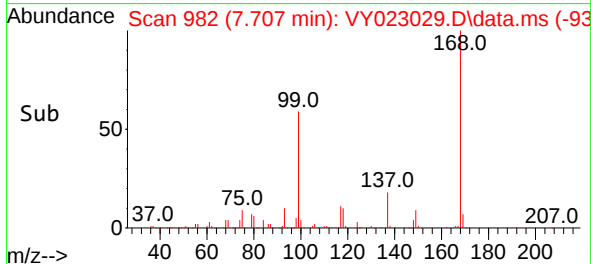
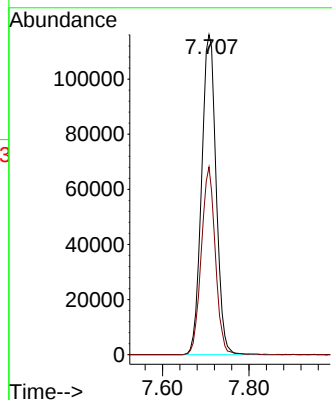
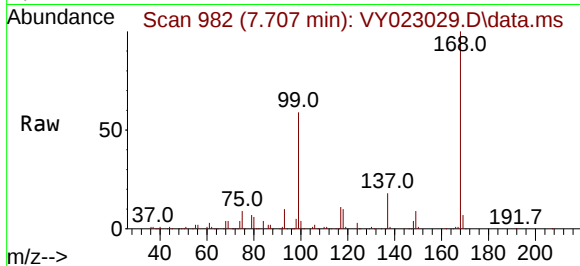




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023029.D  
Acq: 21 Jul 2025 16:10

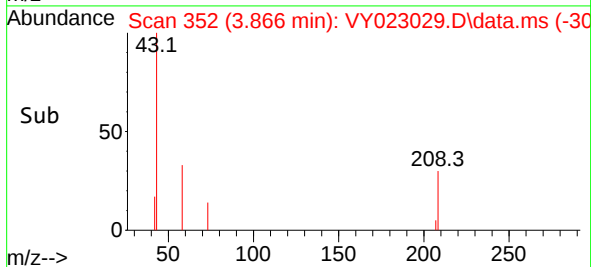
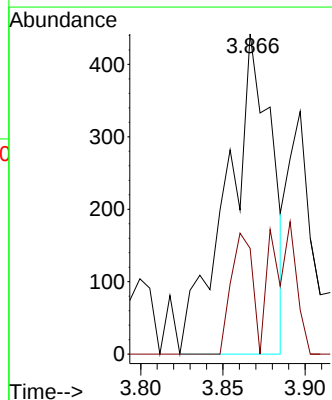
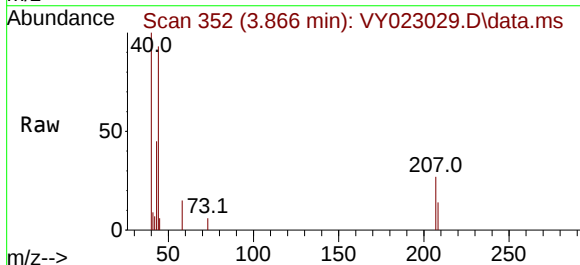
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-6-VOC

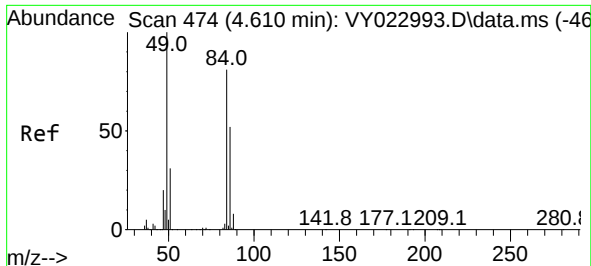
Tgt Ion:168 Resp: 270584  
Ion Ratio Lower Upper  
168 100  
99 58.7 44.4 66.6



#16  
Acetone  
Concen: 1.678 ug/l  
RT: 3.866 min Scan# 352  
Delta R.T. 0.000 min  
Lab File: VY023029.D  
Acq: 21 Jul 2025 16:10

Tgt Ion: 43 Resp: 833  
Ion Ratio Lower Upper  
43 100  
58 33.0 26.2 39.4

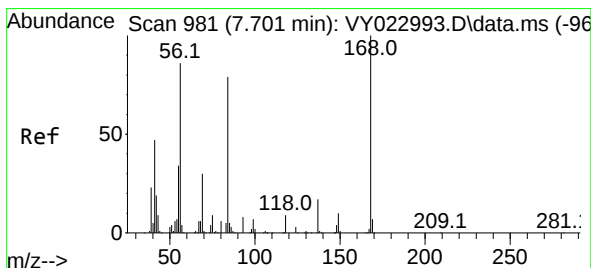
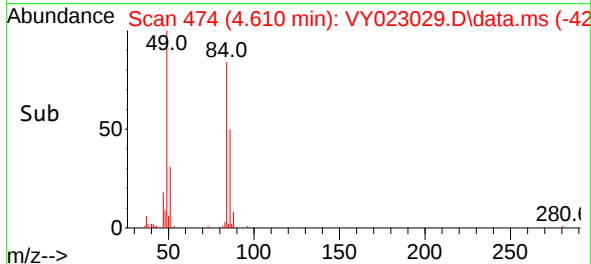
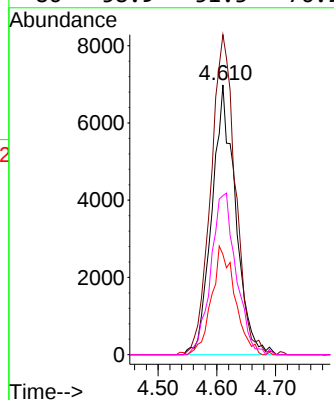
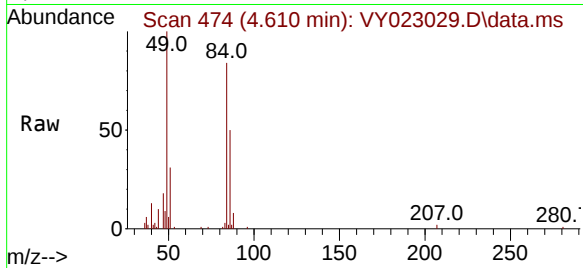




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.610 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY023029.D  
Acq: 21 Jul 2025 16:10

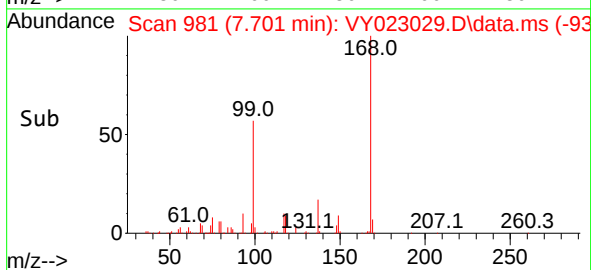
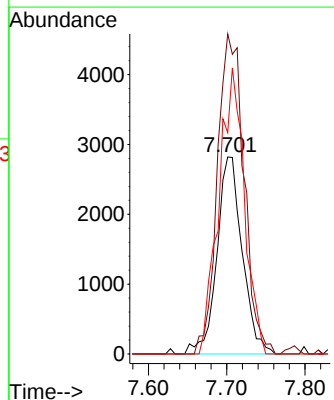
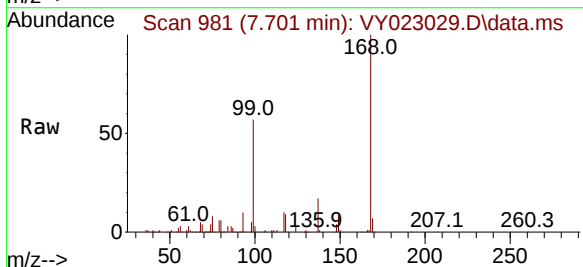
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-6-VOC

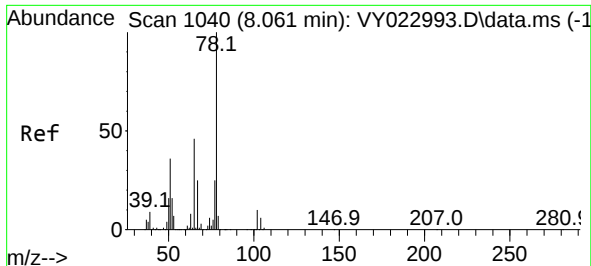
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 19548 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 118.6 | 98.2  | 147.4 |
| 51       | 37.1  | 30.5  | 45.7  |
| 86       | 58.9  | 51.3  | 76.9  |



#31  
Cyclohexane  
Concen: 1.165 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY023029.D  
Acq: 21 Jul 2025 16:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 6353   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 162.5 | 28.1  | 42.1#  |
| 84       | 112.4 | 73.5  | 110.3# |





#33

1,2-Dichloroethane-d4

Concen: 61.462 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY023029.D

Acq: 21 Jul 2025 16:10

Instrument :

MSVOA\_Y

ClientSampleId :

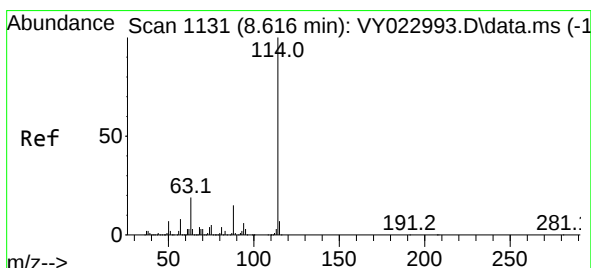
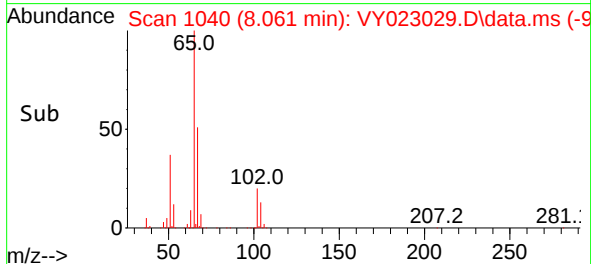
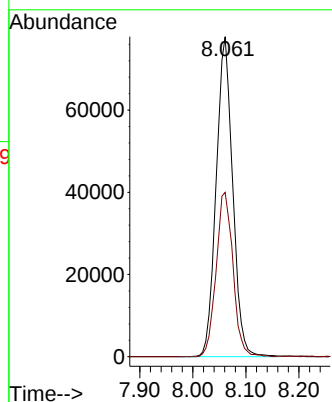
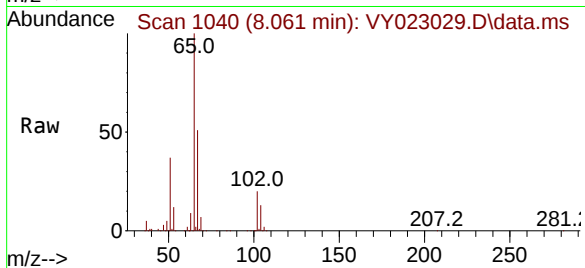
WC-6-VOC

Tgt Ion: 65 Resp: 168358

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023029.D

Acq: 21 Jul 2025 16:10

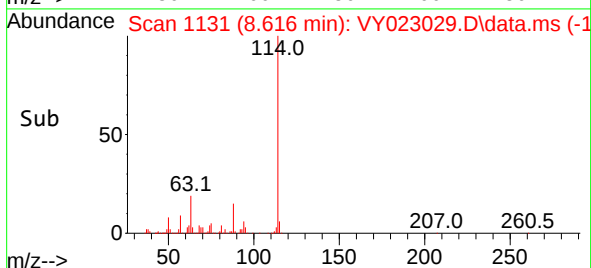
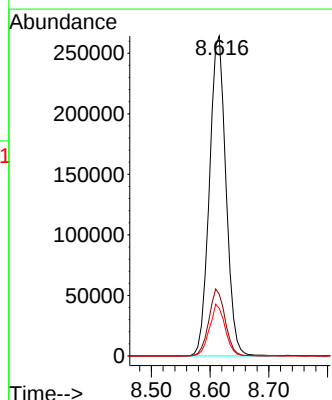
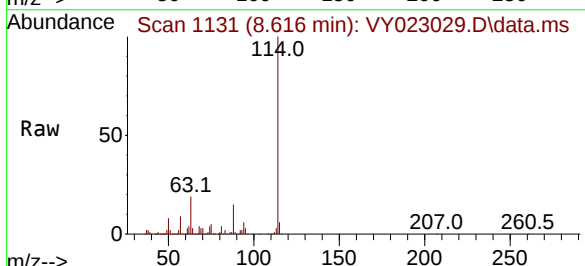
Tgt Ion: 114 Resp: 516563

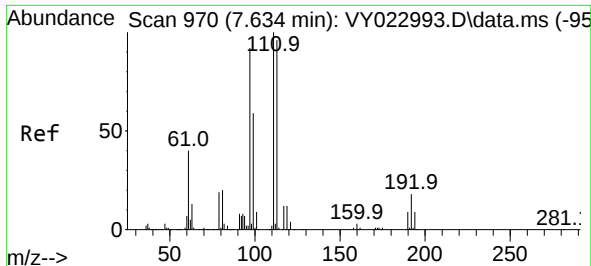
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

88 14.9 0.0 30.2

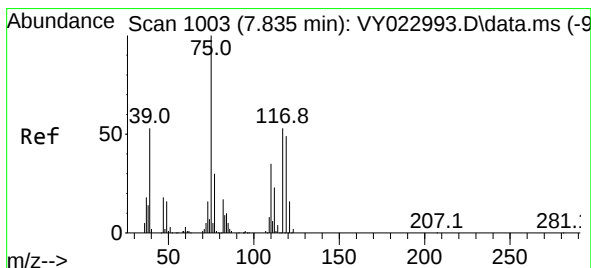
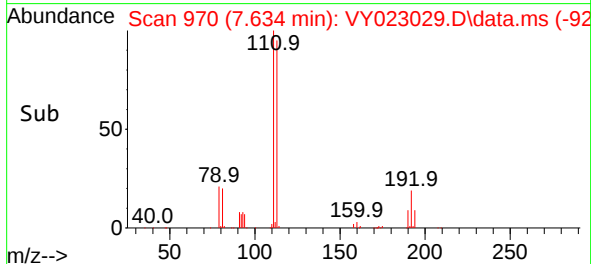
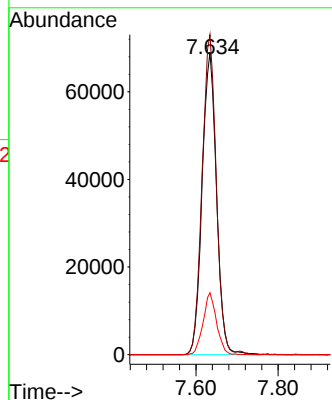
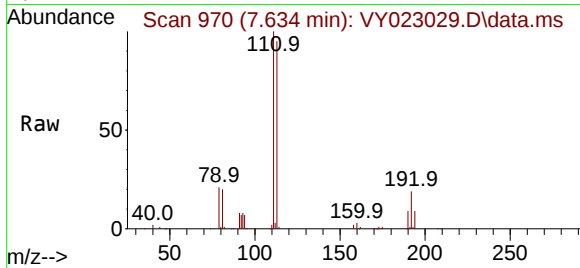




#35  
Dibromofluoromethane  
Concen: 51.068 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY023029.D  
Acq: 21 Jul 2025 16:10

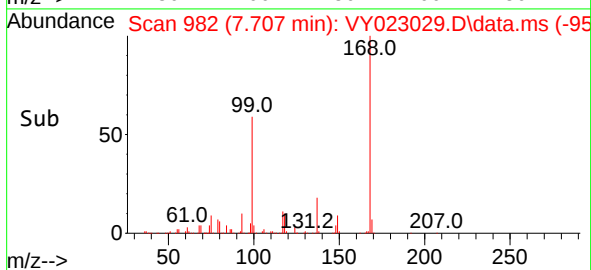
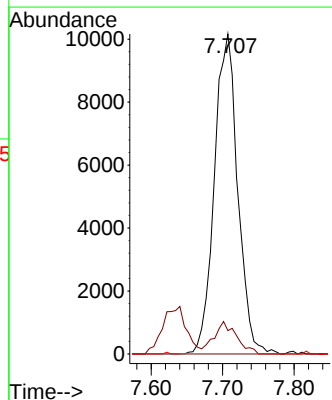
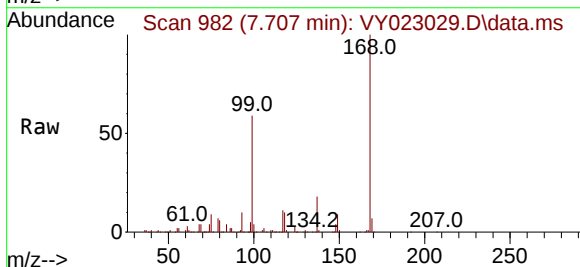
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-6-VOC

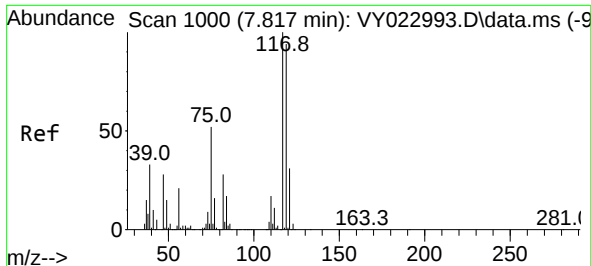
Tgt Ion:113 Resp: 167337  
Ion Ratio Lower Upper  
113 100  
111 103.9 83.2 124.8  
192 19.2 15.3 22.9



#36  
1,1-Dichloropropene  
Concen: 4.476 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY023029.D  
Acq: 21 Jul 2025 16:10

Tgt Ion: 75 Resp: 23105  
Ion Ratio Lower Upper  
75 100  
110 9.7 17.3 51.9#  
77 0.0 24.6 37.0#

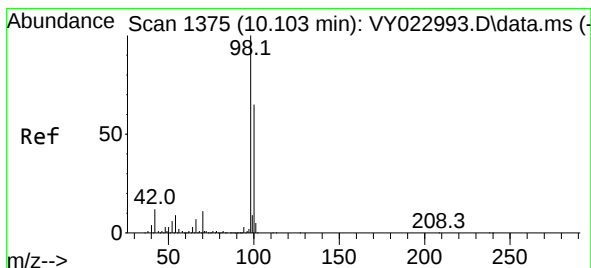
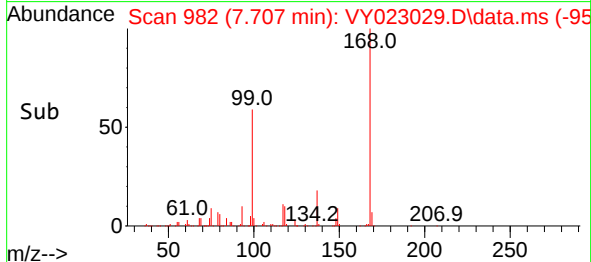
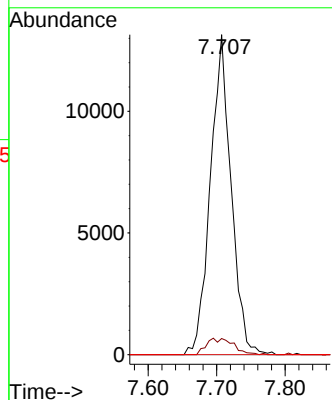
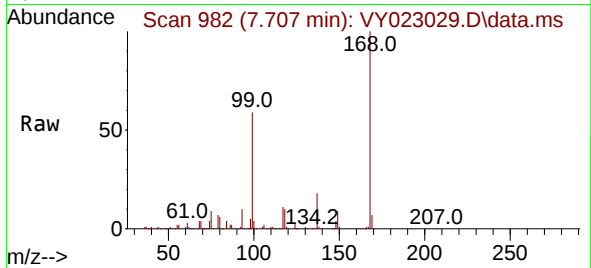




#38  
Carbon Tetrachloride  
Concen: 4.933 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY023029.D  
Acq: 21 Jul 2025 16:10

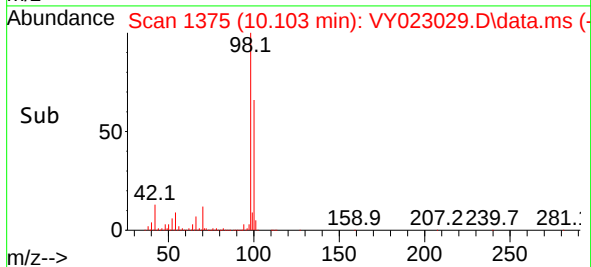
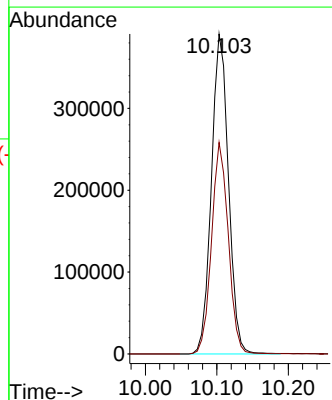
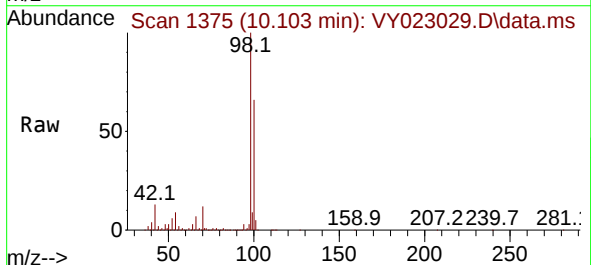
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-6-VOC

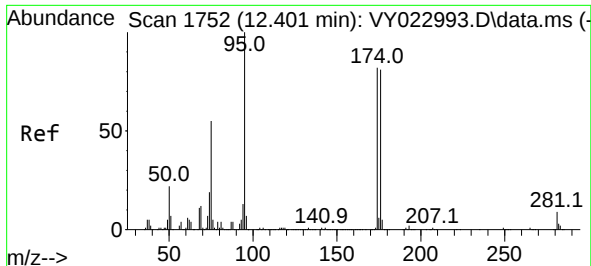
Tgt Ion:117 Resp: 27663  
Ion Ratio Lower Upper  
117 100  
119 5.0 74.9 112.3#  
121 0.0 24.6 37.0#



#50  
Toluene-d8  
Concen: 49.785 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY023029.D  
Acq: 21 Jul 2025 16:10

Tgt Ion: 98 Resp: 646921  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.2 78.2

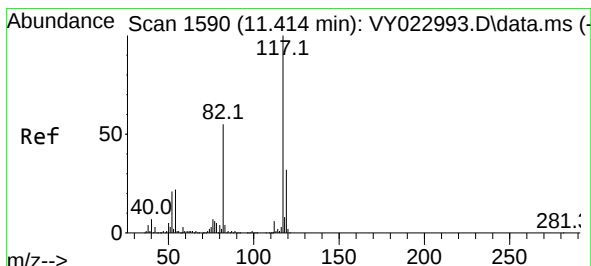
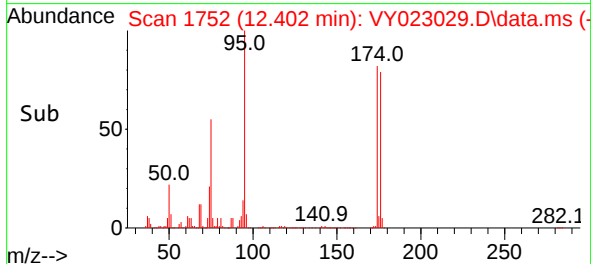
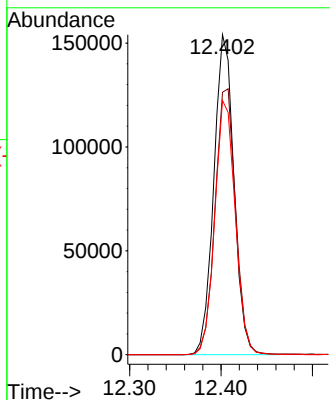
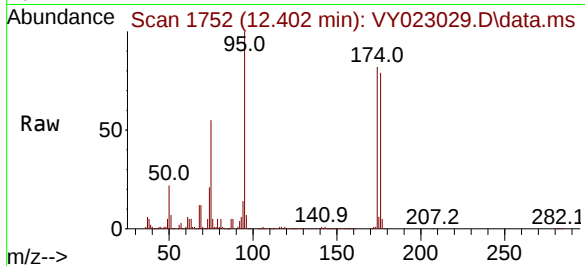




#62  
4-Bromofluorobenzene  
Concen: 57.659 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY023029.D  
Acq: 21 Jul 2025 16:10

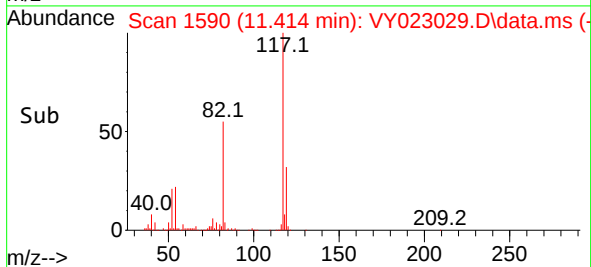
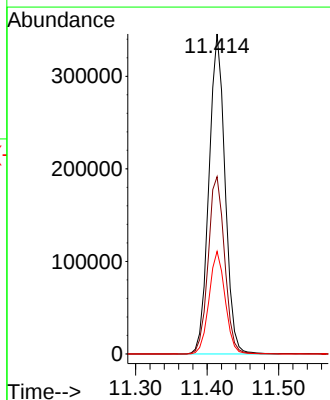
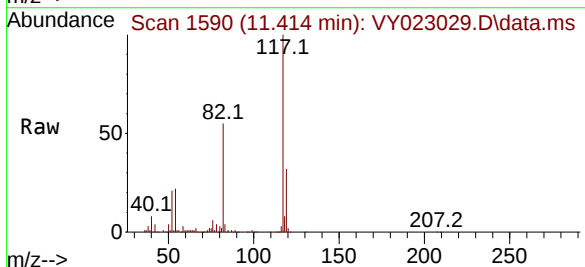
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-6-VOC

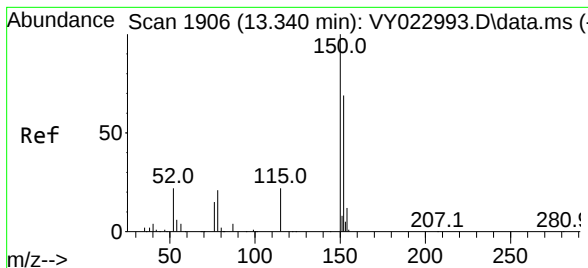
Tgt Ion: 95 Resp: 235849  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 170.8  
176 80.8 0.0 163.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY023029.D  
Acq: 21 Jul 2025 16:10

Tgt Ion: 117 Resp: 539646  
Ion Ratio Lower Upper  
117 100  
82 55.4 44.3 66.5  
119 32.0 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023029.D

Acq: 21 Jul 2025 16:10

Instrument :

MSVOA\_Y

ClientSampleId :

WC-6-VOC

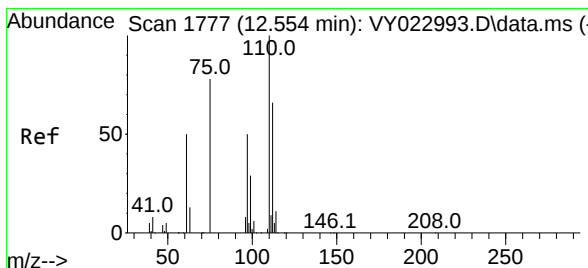
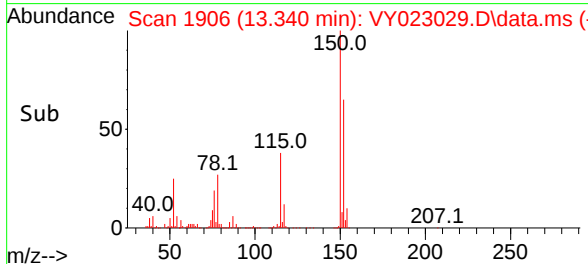
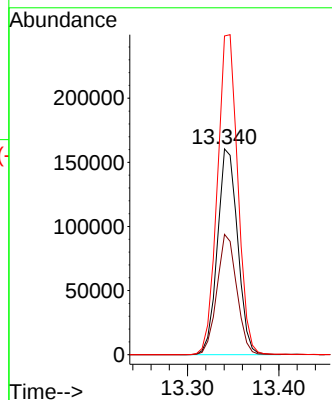
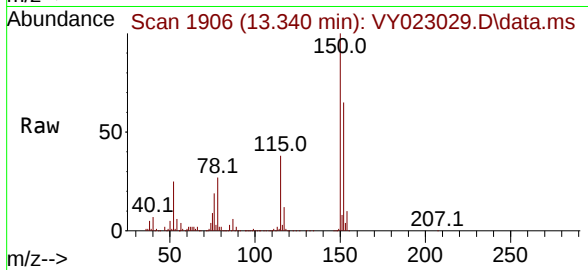
Tgt Ion:152 Resp: 246358

Ion Ratio Lower Upper

152 100

115 57.5 29.4 88.2

150 157.4 0.0 350.0



#76

1,2,3-Trichloropropane

Concen: 43.035 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023029.D

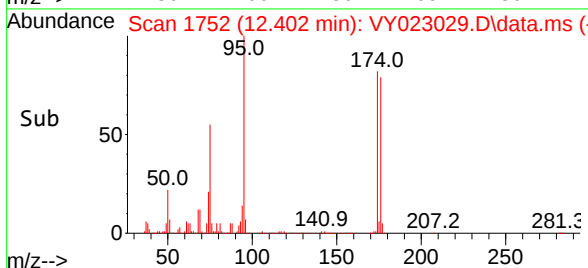
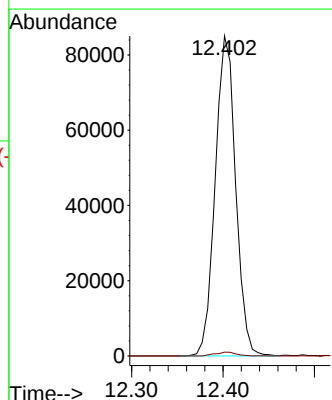
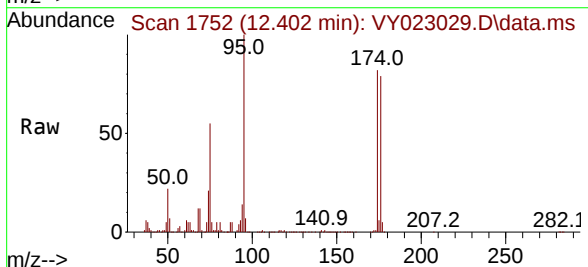
Acq: 21 Jul 2025 16:10

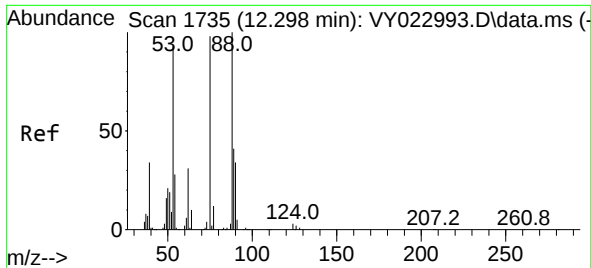
Tgt Ion: 75 Resp: 132109

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 128.178 ug/l  
 RT: 12.402 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY023029.D  
 Acq: 21 Jul 2025 16:10

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-6-VOC

Tgt Ion: 75 Resp: 132109  
 Ion Ratio Lower Upper  
 75 100  
 53 0.3 76.1 114.1#  
 89 0.1 36.1 54.1#

