

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051225\  
 Data File : VY022227.D  
 Acq On : 12 May 2025 16:11  
 Operator : SY/MD  
 Sample : Q1986-09  
 Misc : 5.35g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-218

Quant Time: May 13 02:22:43 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

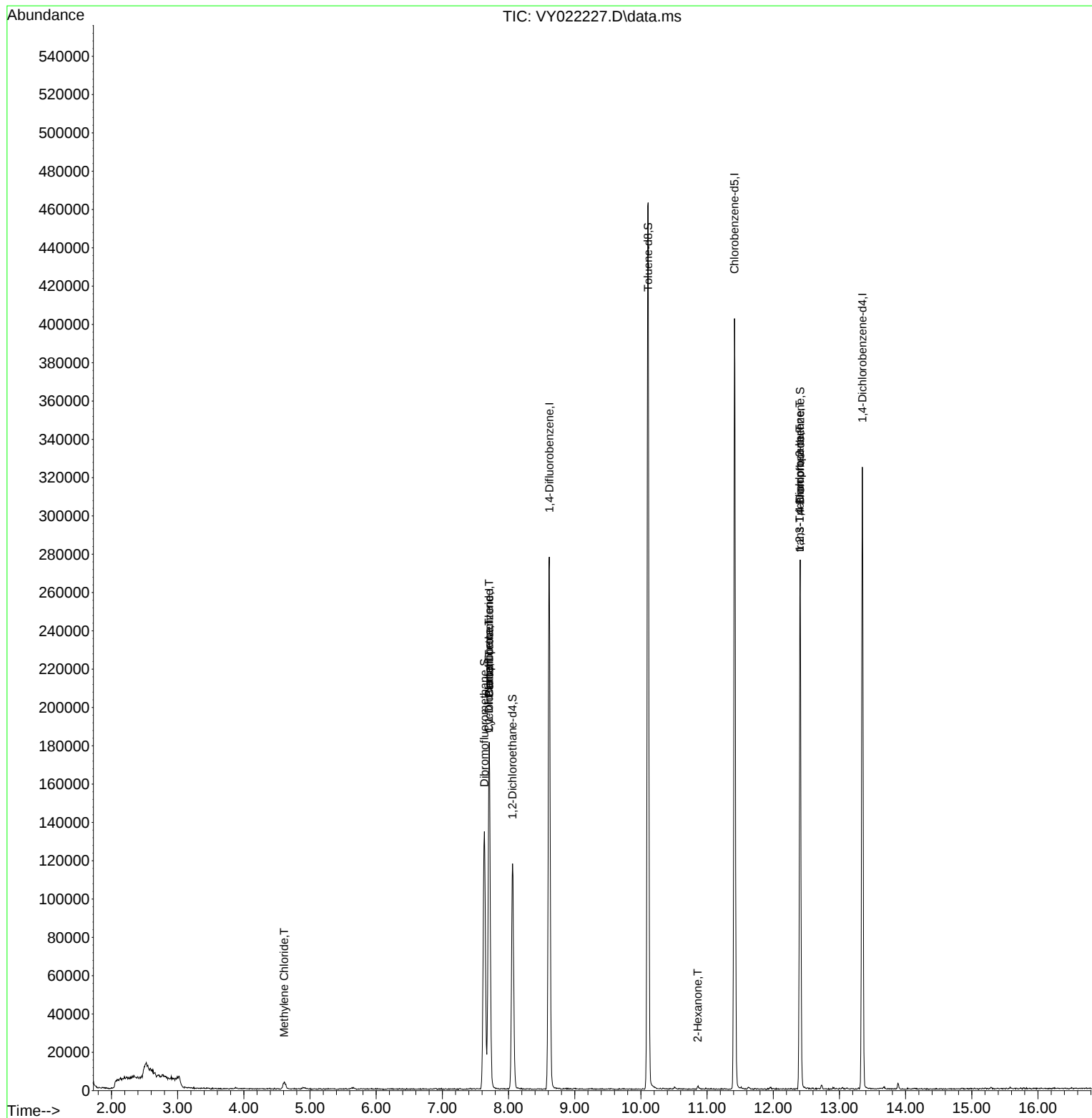
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 137795   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 243382   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 217072   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 86080    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 93134    | 73.173    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 146.340% |
| 35) Dibromofluoromethane      | 7.634  | 113   | 96088    | 59.759    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 119.520% |
| 50) Toluene-d8                | 10.109 | 98    | 314850   | 51.940    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 103.880% |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 83758    | 41.045    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 82.080%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 3.891  | 43    | 942      | Below Cal | #      | 73       |
| 20) Methylene Chloride        | 4.610  | 84    | 2952     | 1.834     | ug/l   | 91       |
| 31) Cyclohexane               | 7.701  | 56    | 3016     | 1.433     | ug/l # | 17       |
| 36) 1,1-Dichloropropene       | 7.701  | 75    | 10577    | 4.897     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 13587    | 5.264     | ug/l # | 17       |
| 59) 2-Hexanone                | 10.859 | 43    | 876      | 1.701     | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75    | 41755    | 56.631    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75    | 41755    | 136.376   | ug/l # | 16       |
| -----                         |        |       |          |           |        |          |

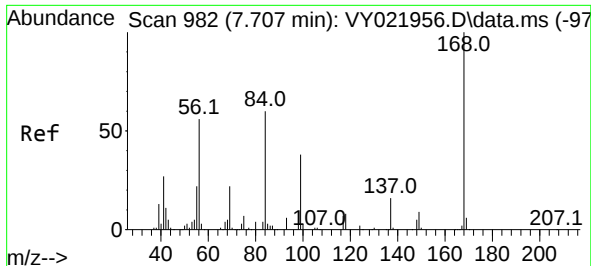
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

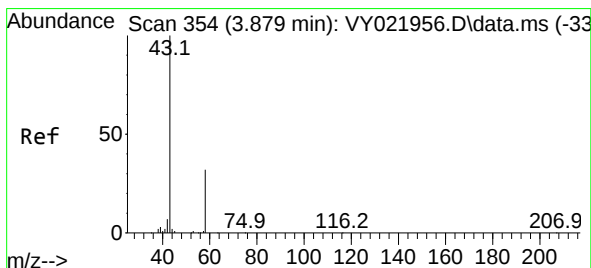
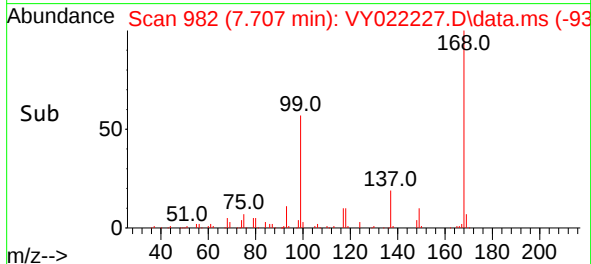
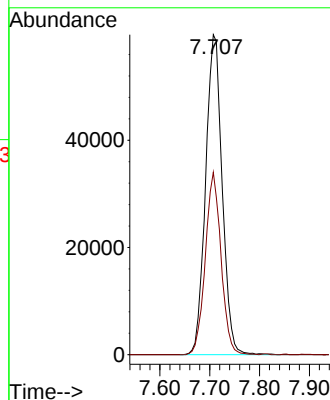
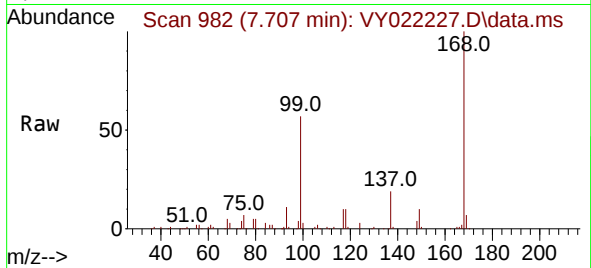




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

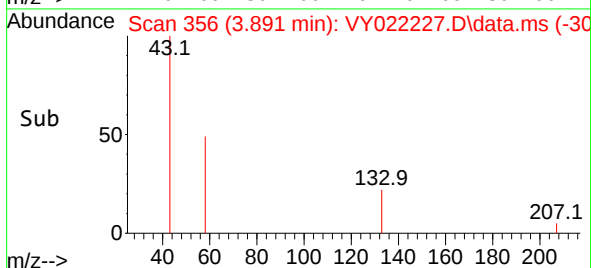
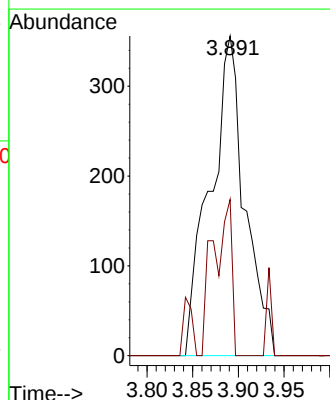
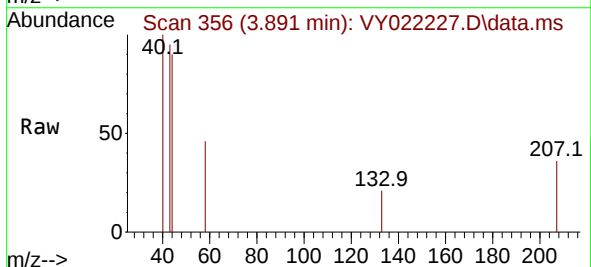
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-218

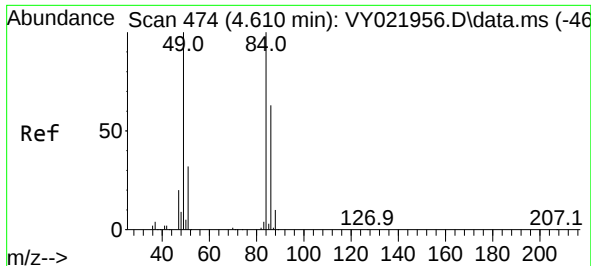
Tgt Ion:168 Resp: 137795  
Ion Ratio Lower Upper  
168 100  
99 57.0 43.1 64.7



#16  
Acetone  
Concen: Below Cal  
RT: 3.891 min Scan# 356  
Delta R.T. 0.012 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

Tgt Ion: 43 Resp: 942  
Ion Ratio Lower Upper  
43 100  
58 48.9 27.0 40.4#

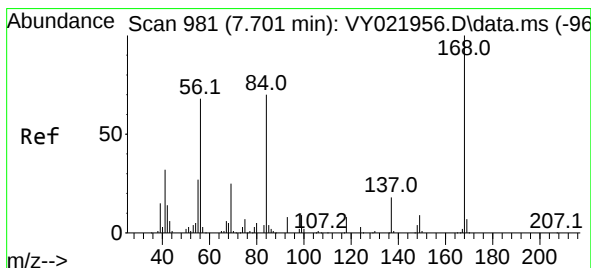
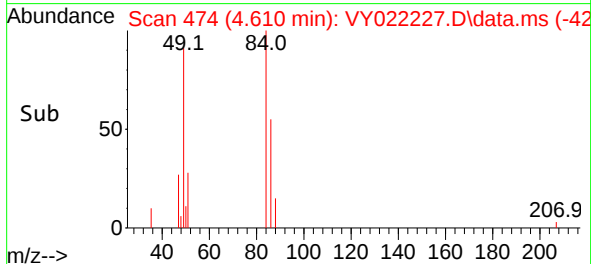
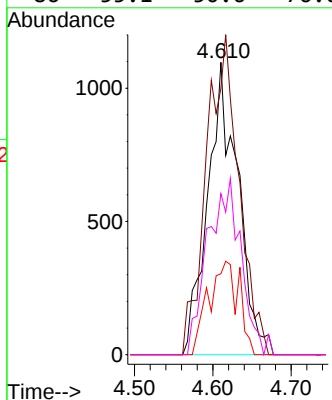
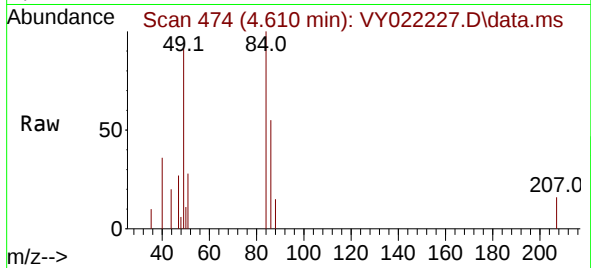




#20  
Methylene Chloride  
Concen: 1.834 ug/l  
RT: 4.610 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

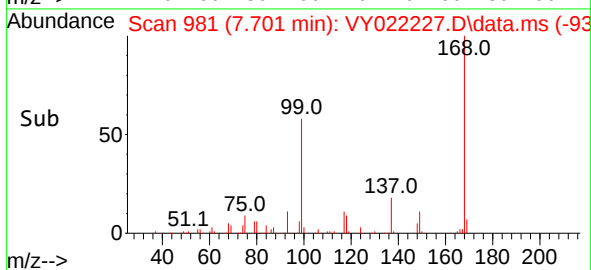
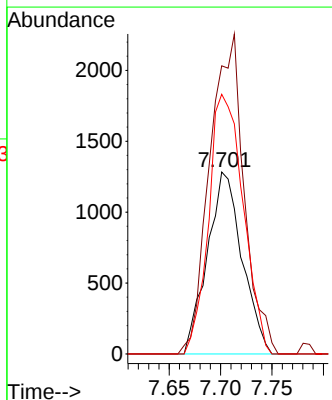
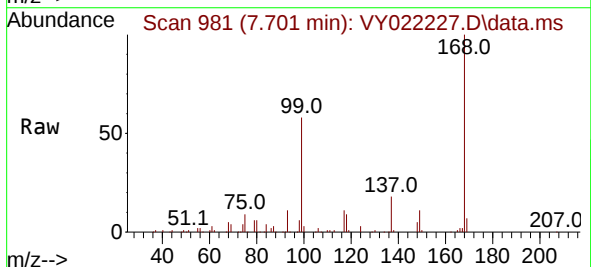
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-218

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 2952  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 91.2  | 79.9  | 119.9 |
| 51       | 27.7  | 25.4  | 38.0  |
| 86       | 55.1  | 50.6  | 76.0  |



#31  
Cyclohexane  
Concen: 1.433 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 3016   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 158.4 | 29.4  | 44.2#  |
| 84       | 142.8 | 82.2  | 123.4# |





#33

1,2-Dichloroethane-d4

Concen: 73.173 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022227.D

Acq: 12 May 2025 16:11

Instrument :

MSVOA\_Y

ClientSampleId :

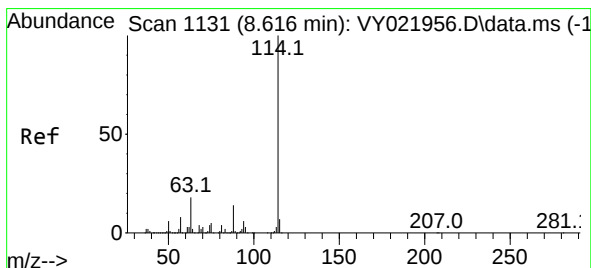
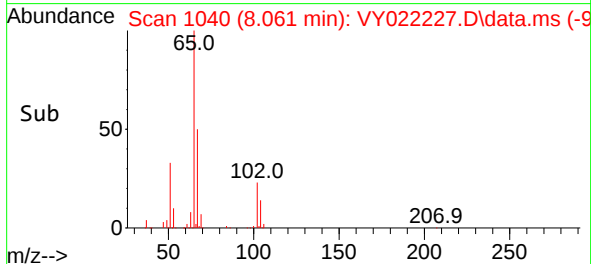
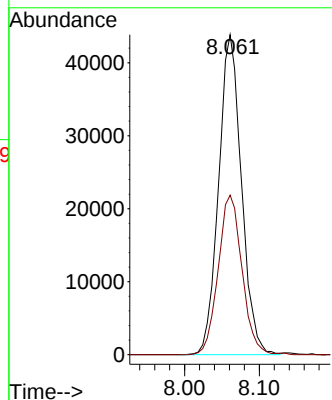
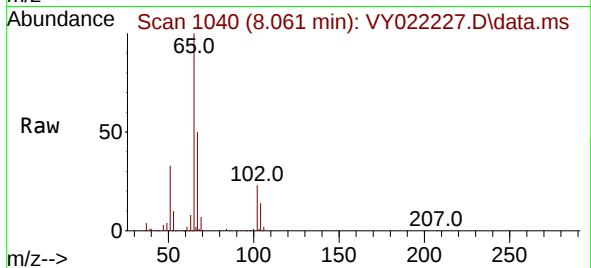
VNJ-218

Tgt Ion: 65 Resp: 93134

Ion Ratio Lower Upper

65 100

67 51.9 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: VY022227.D

Acq: 12 May 2025 16:11

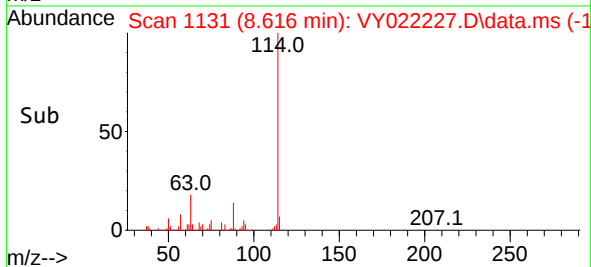
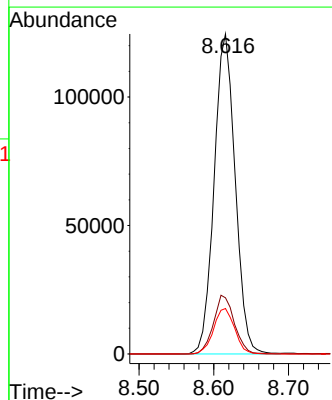
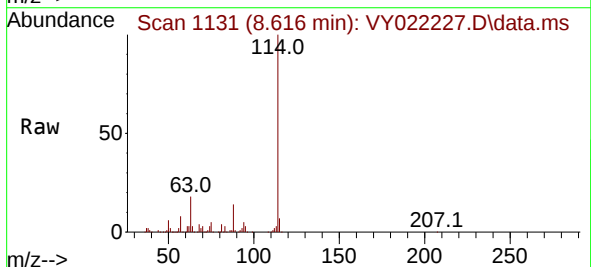
Tgt Ion:114 Resp: 243382

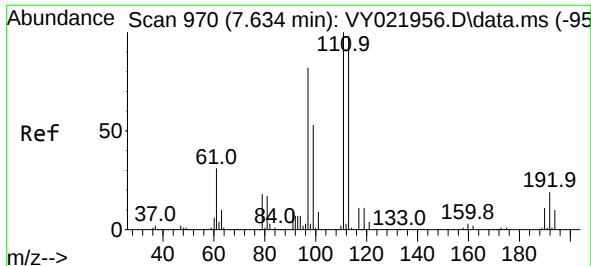
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 14.2 0.0 28.2

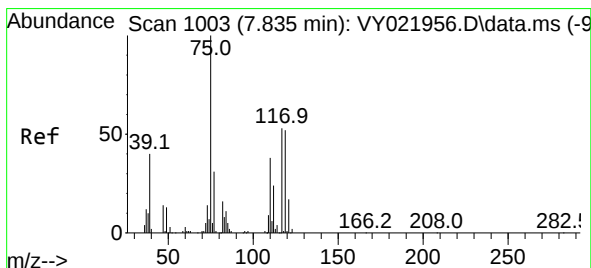
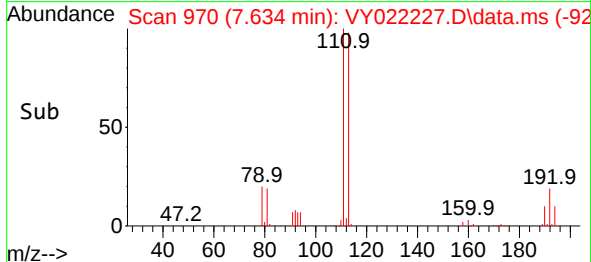
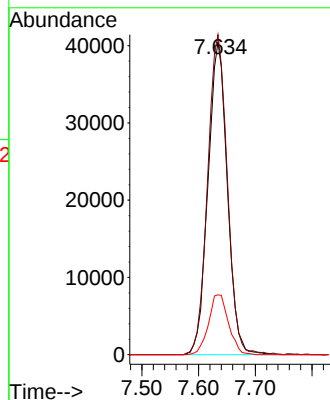
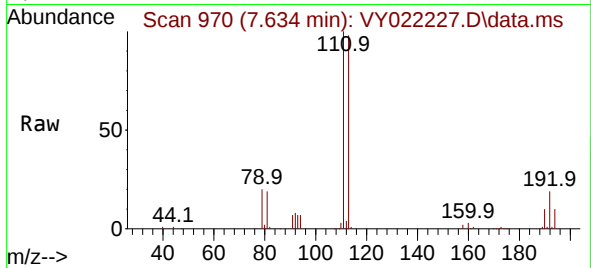




#35  
Dibromofluoromethane  
Concen: 59.759 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

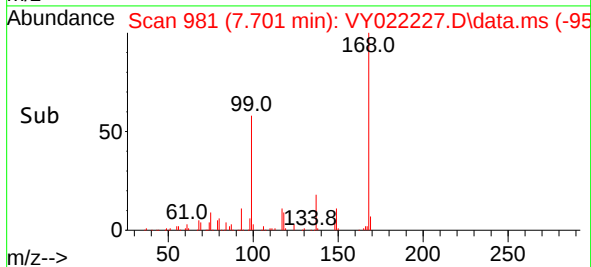
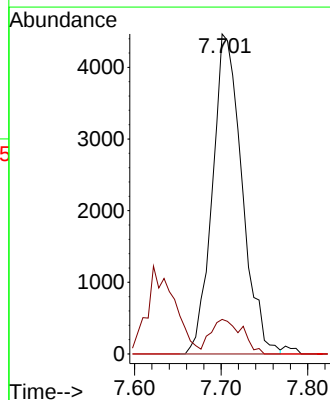
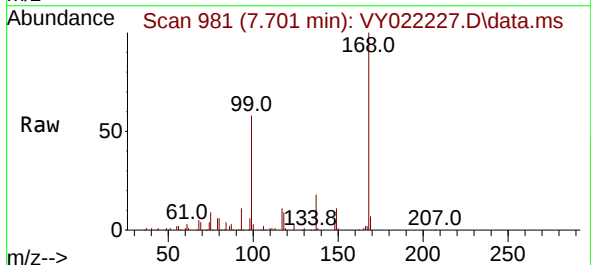
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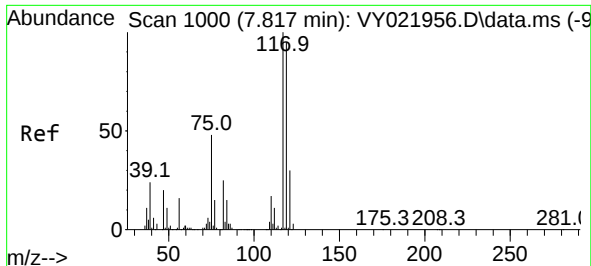
Tgt Ion:113 Resp: 96088  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.8 122.8  
192 19.8 15.6 23.4



#36  
1,1-Dichloropropene  
Concen: 4.897 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.134 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

Tgt Ion: 75 Resp: 10577  
Ion Ratio Lower Upper  
75 100  
110 11.5 19.1 57.3#  
77 0.0 25.5 38.3#

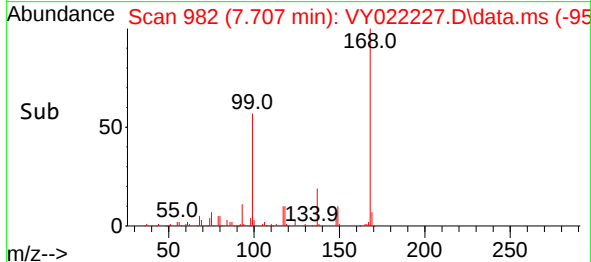
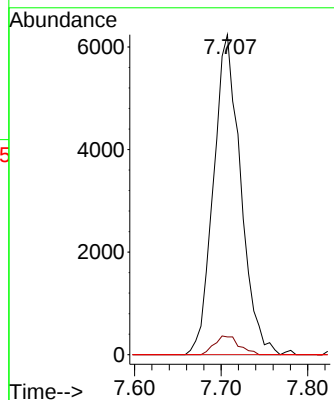
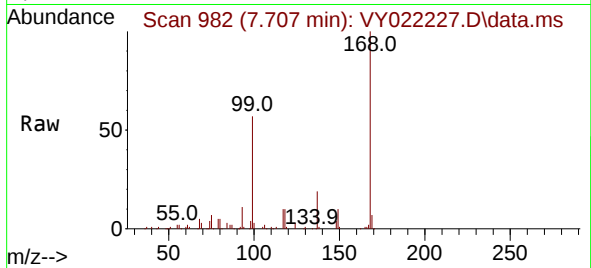




#38  
Carbon Tetrachloride  
Concen: 5.264 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

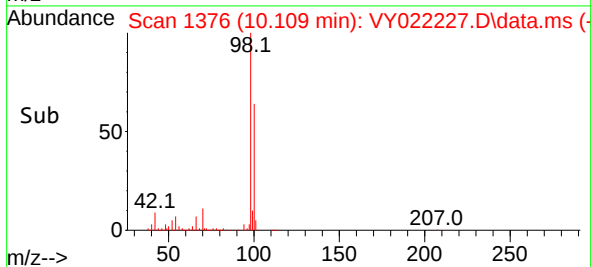
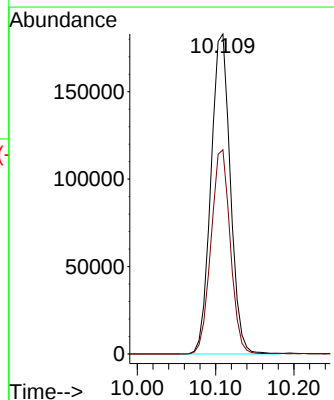
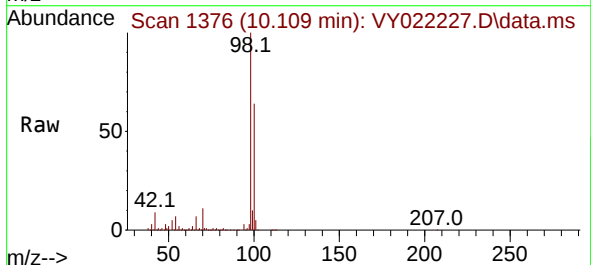
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MSVOA\_Y  
ClientSampleId :  
VNJ-218

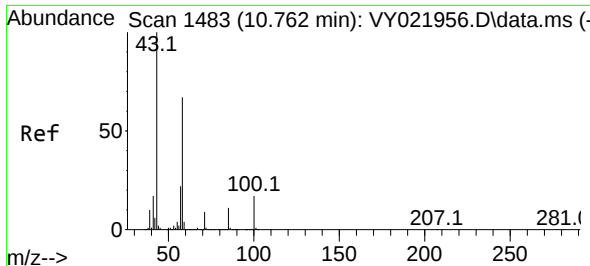
Tgt Ion:117 Resp: 13587  
Ion Ratio Lower Upper  
117 100  
119 5.6 76.2 114.4#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 51.940 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

Tgt Ion: 98 Resp: 314850  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.6 77.4

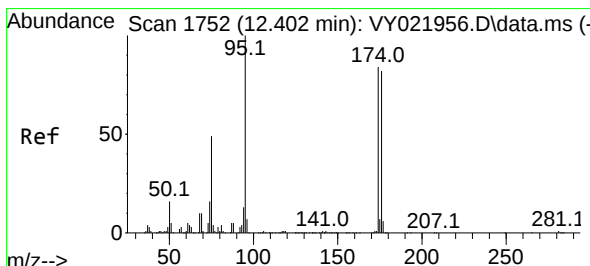
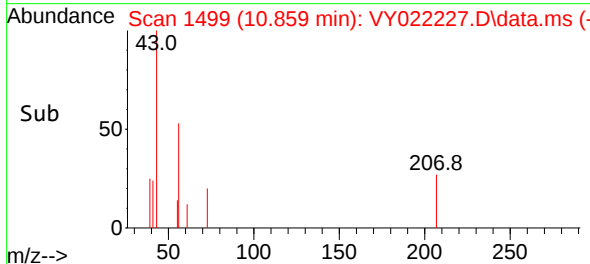
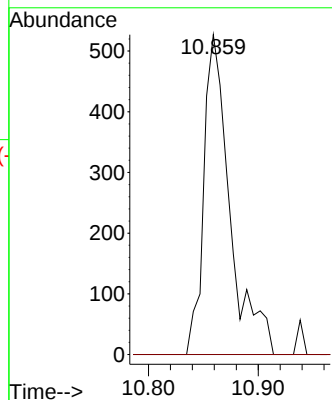
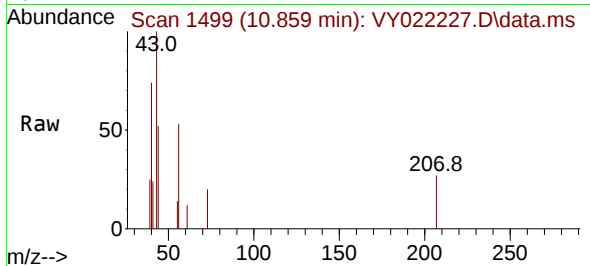




#59  
2-Hexanone  
Concen: 1.701 ug/l  
RT: 10.859 min Scan# 1483  
Delta R.T. 0.097 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

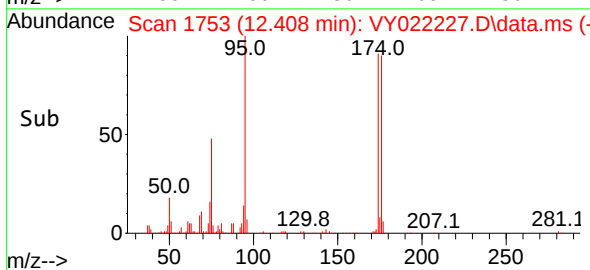
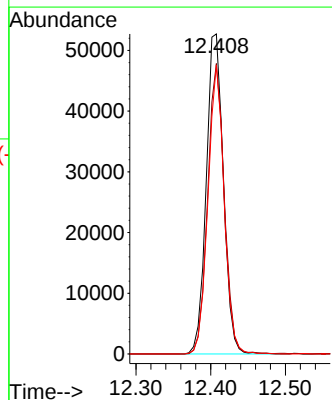
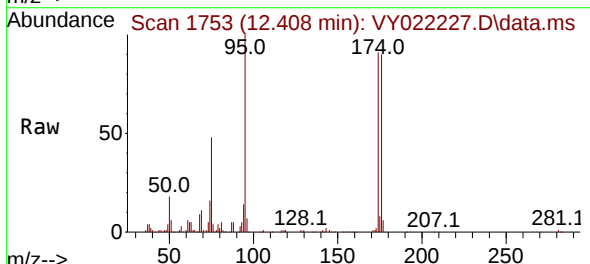
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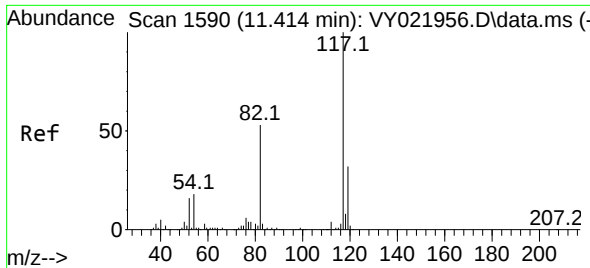
Tgt Ion: 43 Resp: 876  
Ion Ratio Lower Upper  
43 100  
58 0.0 32.0 96.0#



#62  
4-Bromofluorobenzene  
Concen: 41.045 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

Tgt Ion: 95 Resp: 83758  
Ion Ratio Lower Upper  
95 100  
174 88.4 0.0 179.0  
176 85.4 0.0 171.8

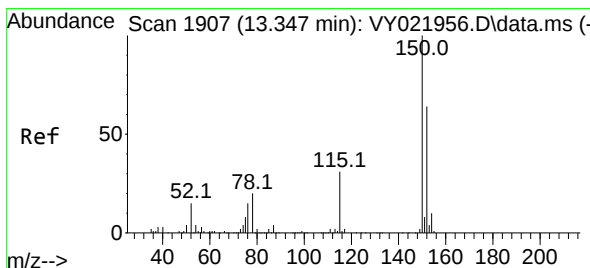
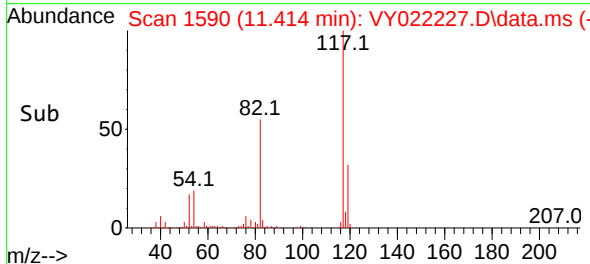
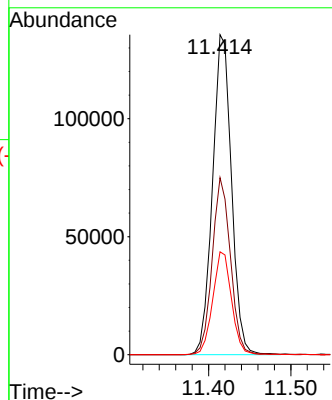
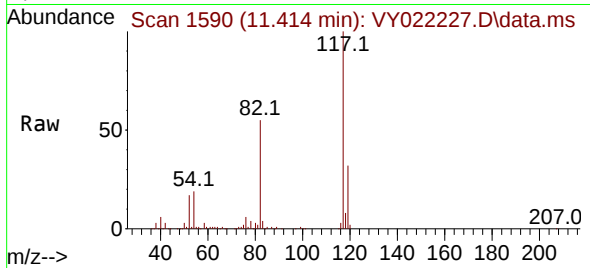




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

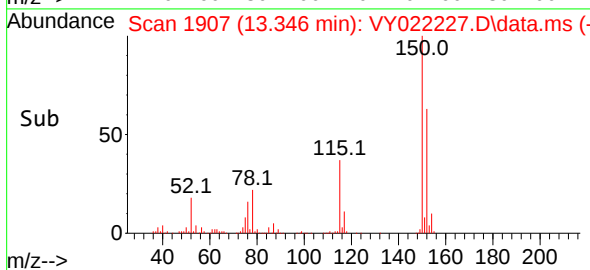
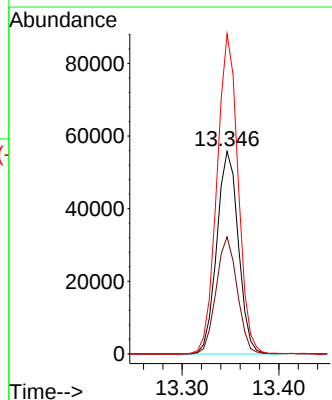
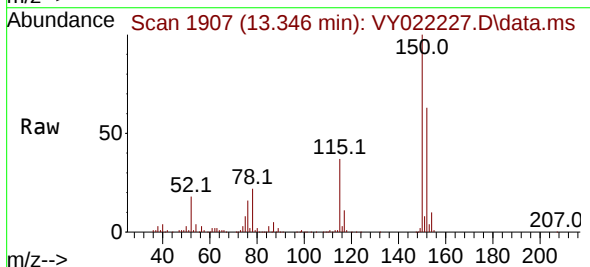
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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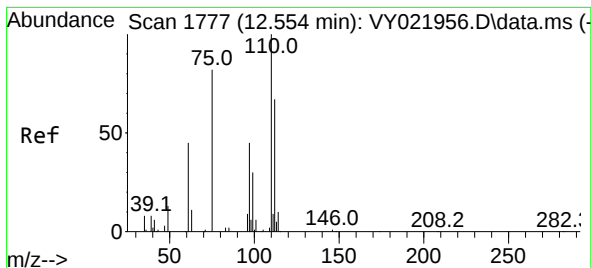
Tgt Ion:117 Resp: 217072  
Ion Ratio Lower Upper  
117 100  
82 55.3 42.1 63.1  
119 32.2 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY022227.D  
Acq: 12 May 2025 16:11

Tgt Ion:152 Resp: 86080  
Ion Ratio Lower Upper  
152 100  
115 56.7 28.0 84.0  
150 155.3 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 56.631 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022227.D

Acq: 12 May 2025 16:11

Instrument :

MSVOA\_Y

ClientSampleId :

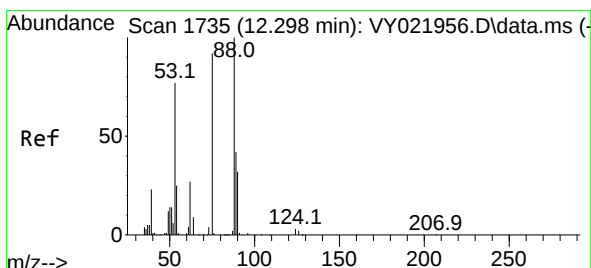
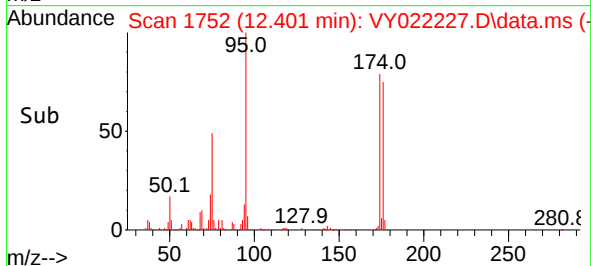
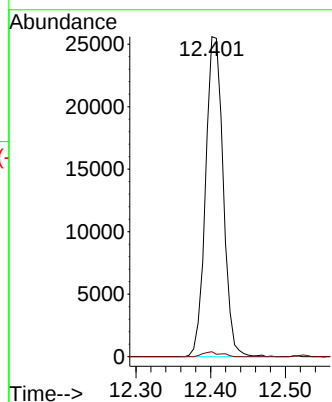
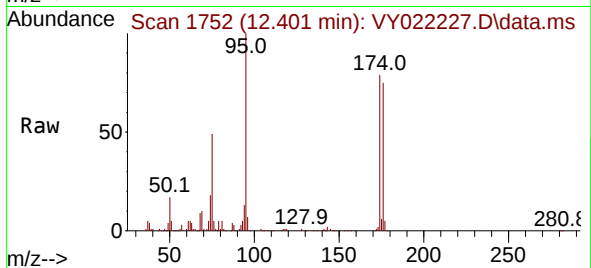
VNJ-218

Tgt Ion: 75 Resp: 41755

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 136.376 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY022227.D

Acq: 12 May 2025 16:11

Tgt Ion: 75 Resp: 41755

Ion Ratio Lower Upper

75 100

53 0.4 66.0 99.0#

89 0.1 37.2 55.8#

