

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122024\  
 Data File : VY020668.D  
 Acq On : 20 Dec 2024 14:10  
 Operator : SY/MD  
 Sample : P5279-03  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 20 18:09:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

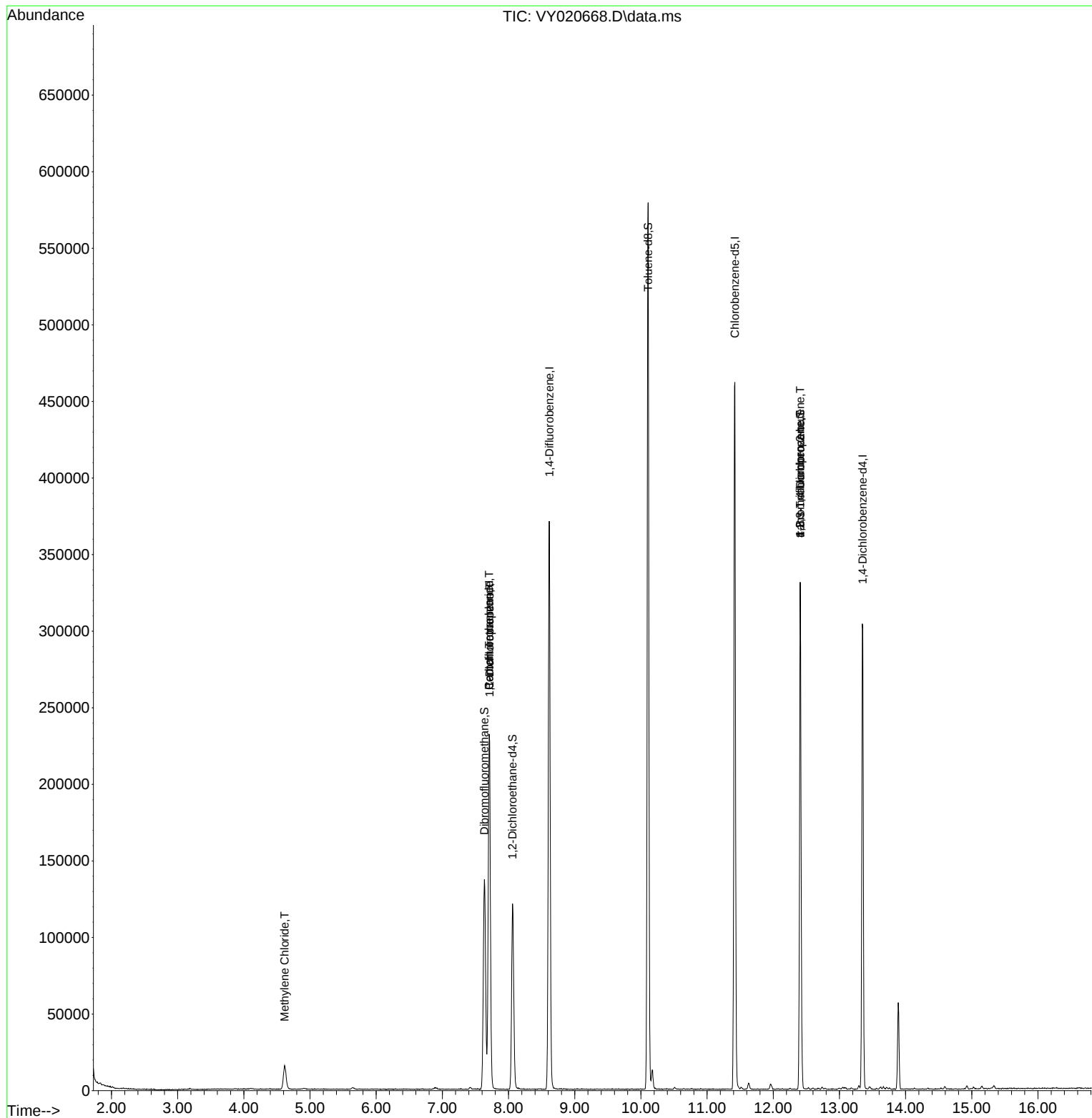
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 177087   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 313093   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 249829   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353 | 152   | 79004    | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 97456    | 50.249    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 100.500% |
| 35) Dibromofluoromethane      | 7.634  | 113   | 98718    | 44.738    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 89.480%  |
| 50) Toluene-d8                | 10.109 | 98    | 375972   | 48.679    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 97.360%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 97453    | 32.257    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | =      | 64.520%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
| 11) Tert butyl alcohol        | 4.872  | 59    | 80       | Below Cal | #      | 75       |
| 16) Acetone                   | 3.879  | 43    | 530      | Below Cal |        | 92       |
| 20) Methylene Chloride        | 4.616  | 84    | 11033    | 4.575     | ug/l   | 95       |
| 30) Chloroform                | 7.421  | 83    | 1236     | Below Cal |        | 97       |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 14077    | 3.499     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 18355    | 4.123     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 52148    | 63.541    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 52148    | 133.375   | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

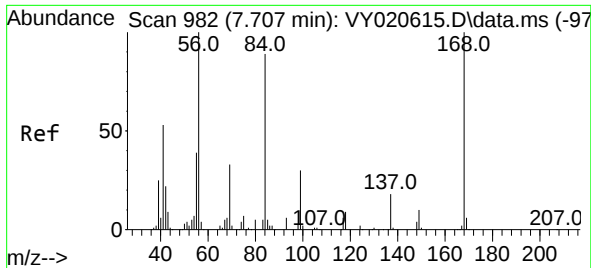
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122024\  
Data File : VY020668.D  
Acq On : 20 Dec 2024 14:10  
Operator : SY/MD  
Sample : P5279-03  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Dec 20 18:09:01 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 18 05:27:13 2024  
Response via : Initial Calibration

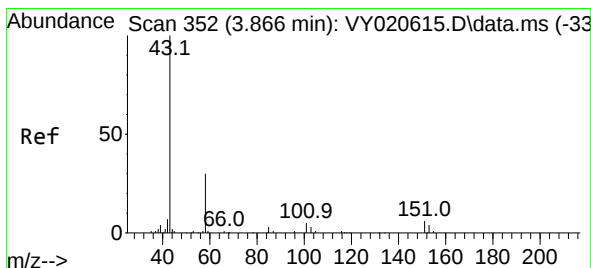
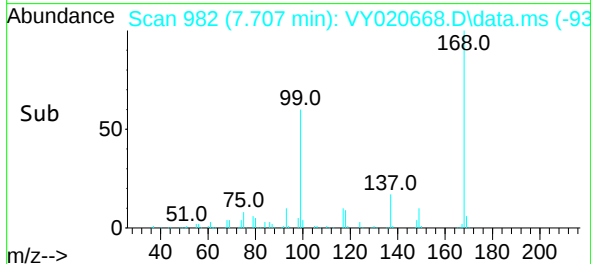
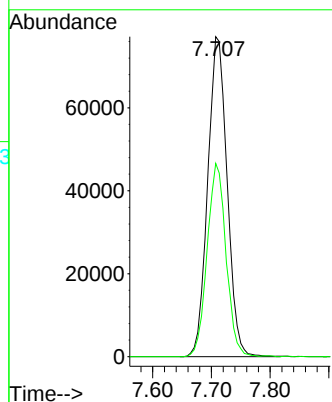
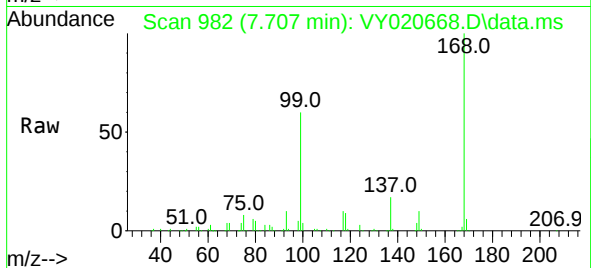




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020668.D  
Acq: 20 Dec 2024 14:10

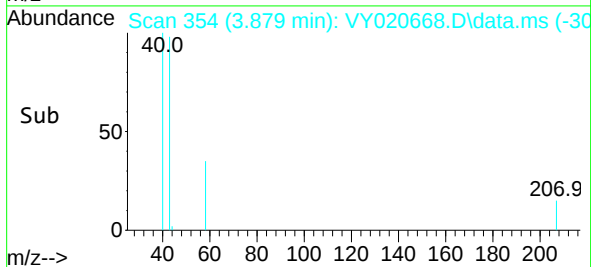
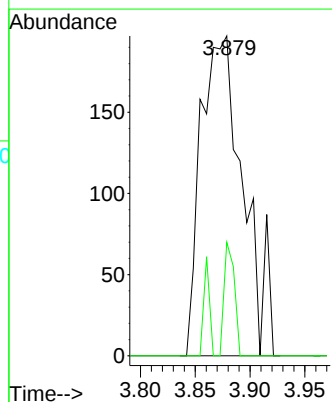
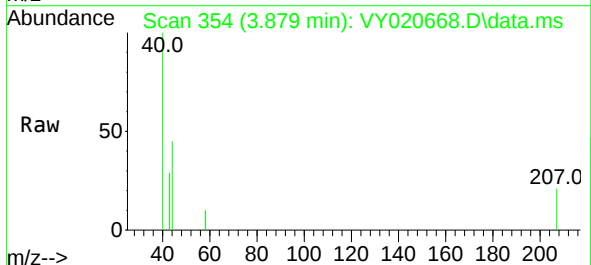
Instrument :  
MSVOA\_Y  
ClientSampleId :

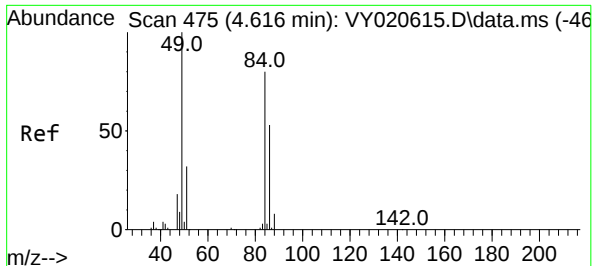
Tgt Ion:168 Resp: 177087  
Ion Ratio Lower Upper  
168 100  
99 60.4 47.0 70.6



#16  
Acetone  
Concen: Below Cal  
RT: 3.879 min Scan# 354  
Delta R.T. 0.013 min  
Lab File: VY020668.D  
Acq: 20 Dec 2024 14:10

Tgt Ion: 43 Resp: 530  
Ion Ratio Lower Upper  
43 100  
58 35.5 25.0 37.6





#20

Methylene Chloride

Concen: 4.575 ug/l

RT: 4.616 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY020668.D

Acq: 20 Dec 2024 14:10

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 84 Resp: 11033

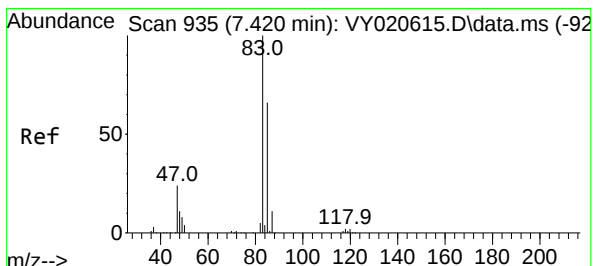
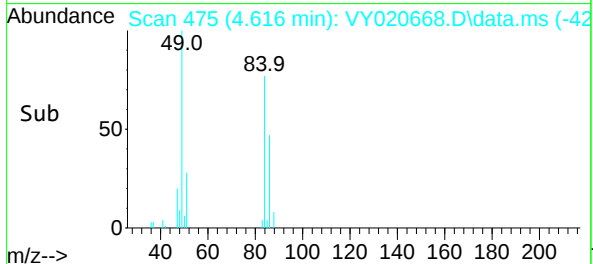
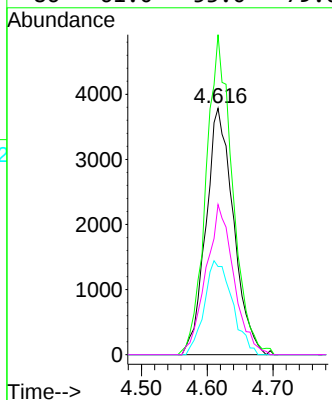
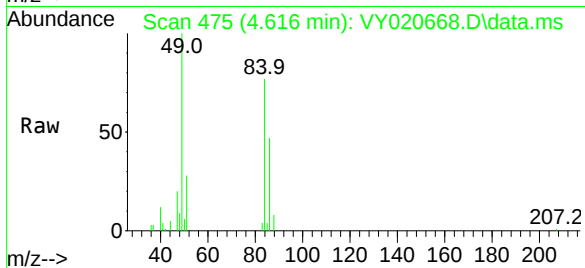
Ion Ratio Lower Upper

84 100

49 129.9 100.7 151.1

51 35.8 32.2 48.2

86 61.0 53.0 79.6



#30

Chloroform

Concen: Below Cal

RT: 7.421 min Scan# 935

Delta R.T. 0.001 min

Lab File: VY020668.D

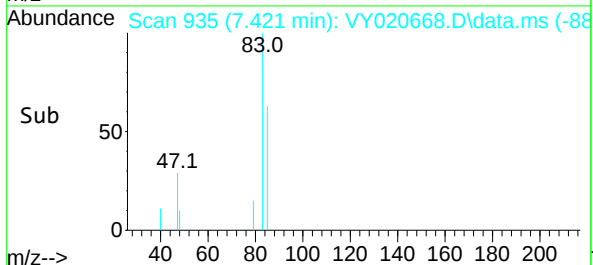
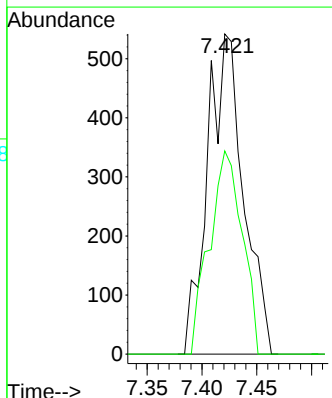
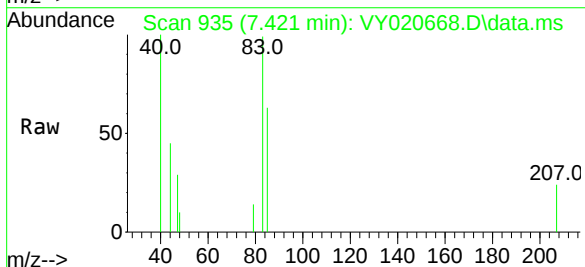
Acq: 20 Dec 2024 14:10

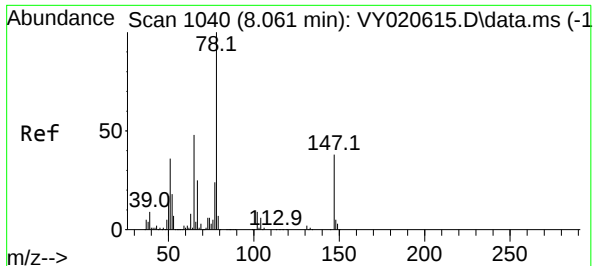
Tgt Ion: 83 Resp: 1236

Ion Ratio Lower Upper

83 100

85 63.5 52.7 79.1





#33

1,2-Dichloroethane-d4

Concen: 50.249 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY020668.D

Acq: 20 Dec 2024 14:10

Instrument :

MSVOA\_Y

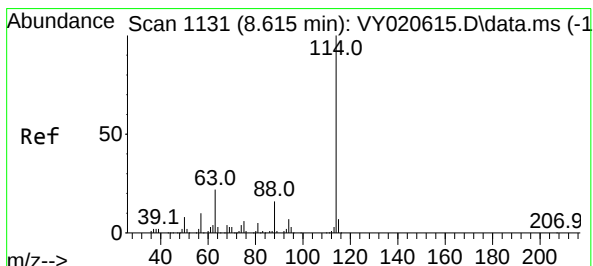
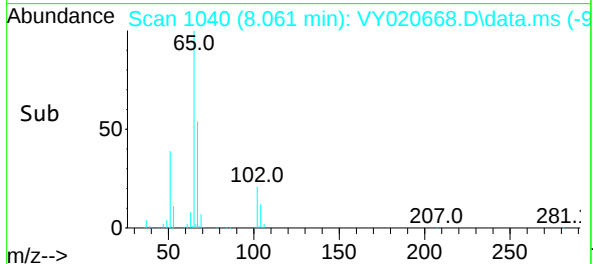
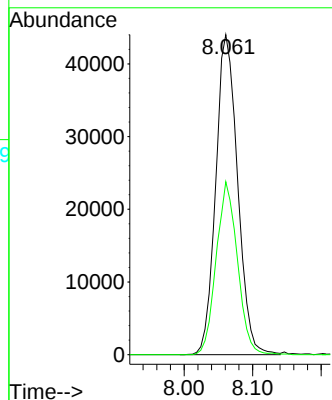
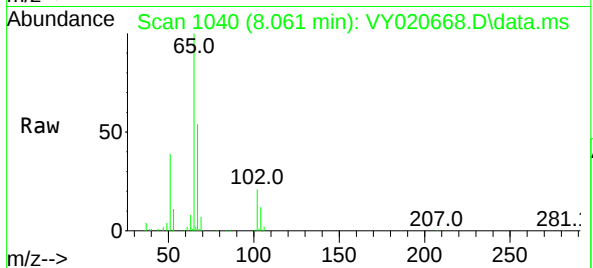
ClientSampleId :

Tgt Ion: 65 Resp: 97456

Ion Ratio Lower Upper

65 100

67 52.6 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020668.D

Acq: 20 Dec 2024 14:10

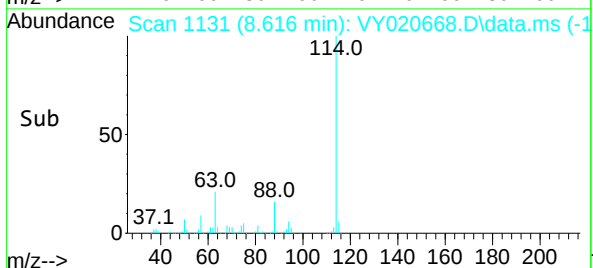
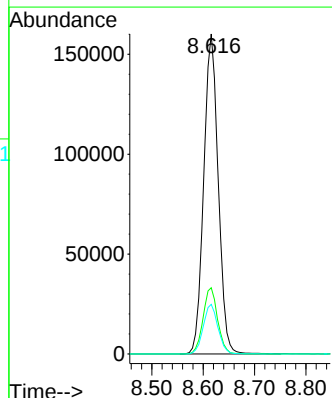
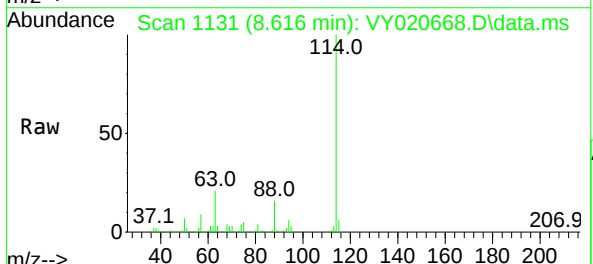
Tgt Ion: 114 Resp: 313093

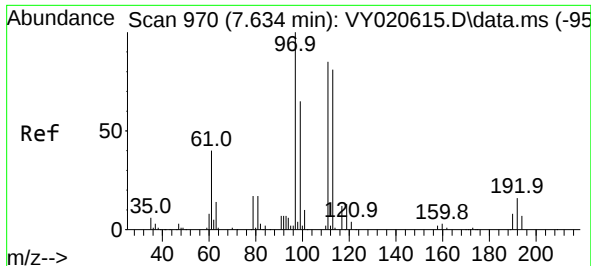
Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.0

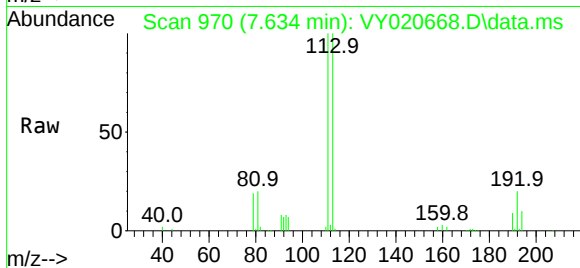
88 15.5 0.0 32.8



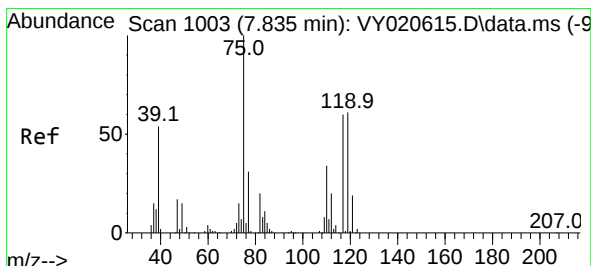
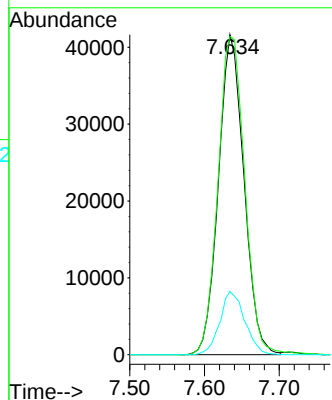
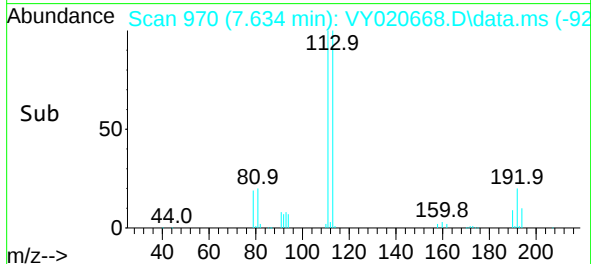


#35  
Dibromofluoromethane  
Concen: 44.738 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020668.D  
Acq: 20 Dec 2024 14:10

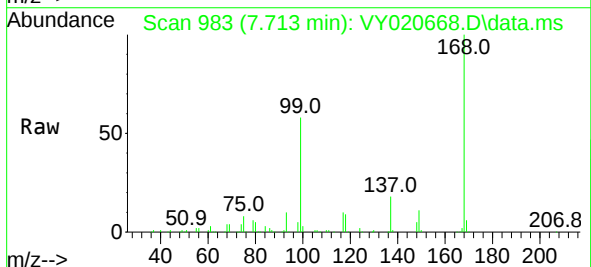
Instrument :  
MSVOA\_Y  
ClientSampleId :



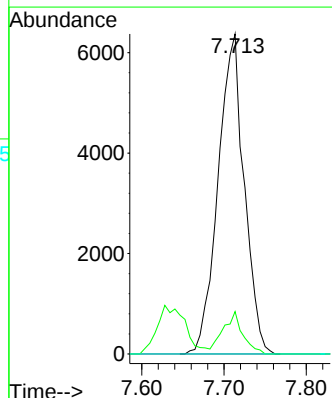
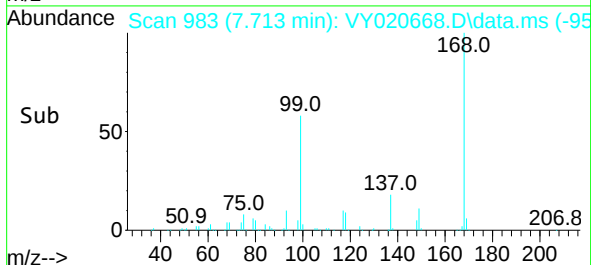
Tgt Ion:113 Resp: 98718  
Ion Ratio Lower Upper  
113 100  
111 104.7 82.9 124.3  
192 19.4 15.7 23.5

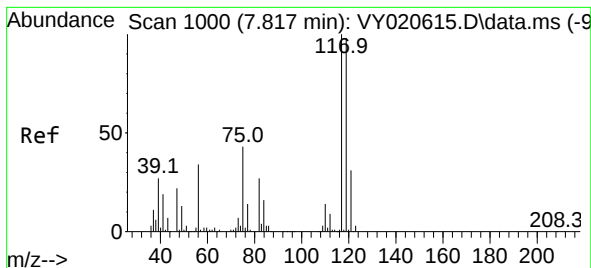


#36  
1,1-Dichloropropene  
Concen: 3.499 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. -0.122 min  
Lab File: VY020668.D  
Acq: 20 Dec 2024 14:10



Tgt Ion: 75 Resp: 14077  
Ion Ratio Lower Upper  
75 100  
110 9.9 16.8 50.4#  
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 4.123 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.109 min

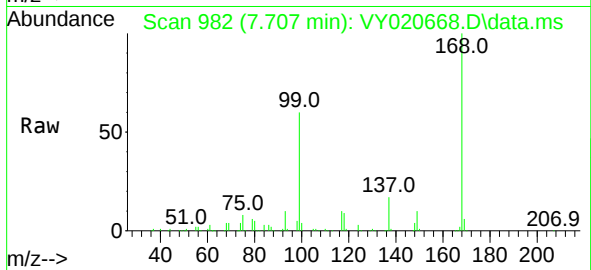
Lab File: VY020668.D

Acq: 20 Dec 2024 14:10

Instrument :

MSVOA\_Y

ClientSampleId :



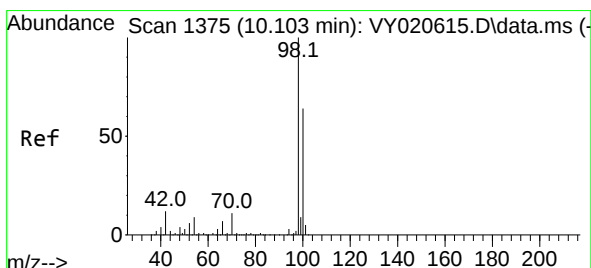
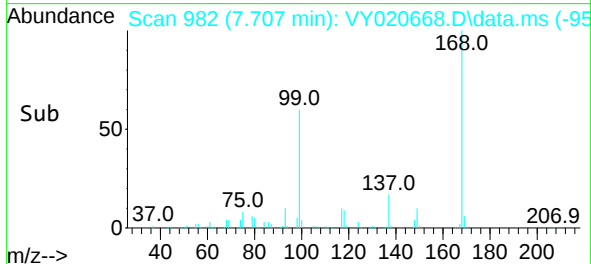
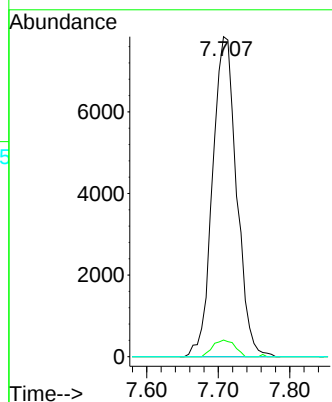
Tgt Ion:117 Resp: 18355

Ion Ratio Lower Upper

117 100

119 5.2 78.3 117.5#

121 0.0 25.1 37.7#



#50

Toluene-d8

Concen: 48.679 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY020668.D

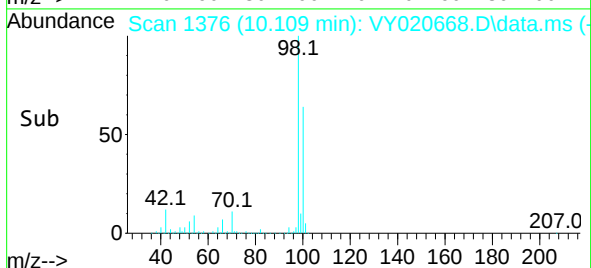
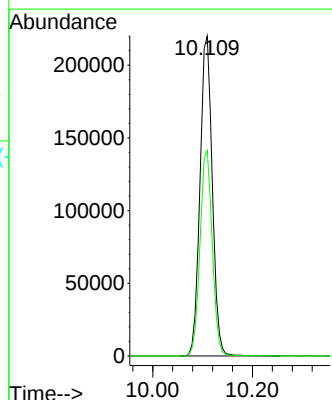
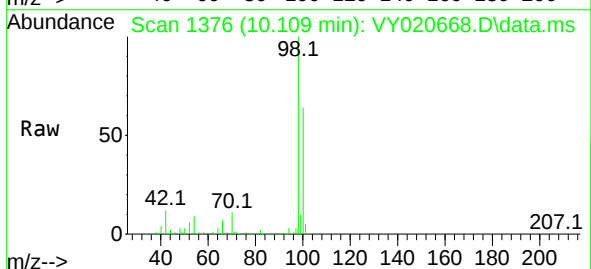
Acq: 20 Dec 2024 14:10

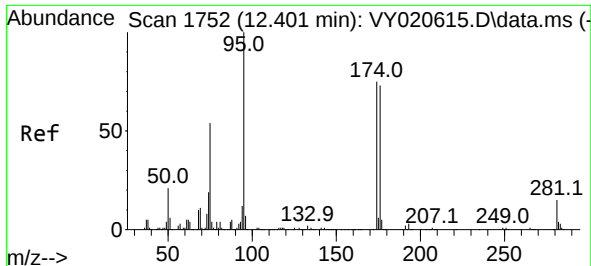
Tgt Ion: 98 Resp: 375972

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1

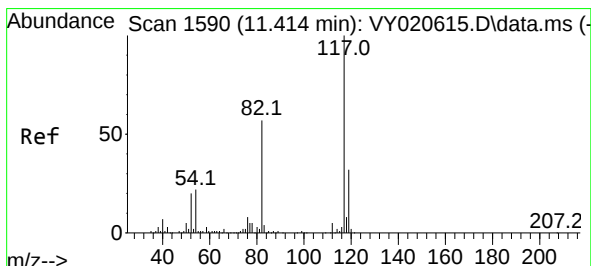
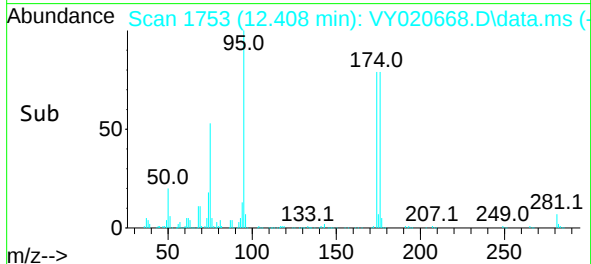
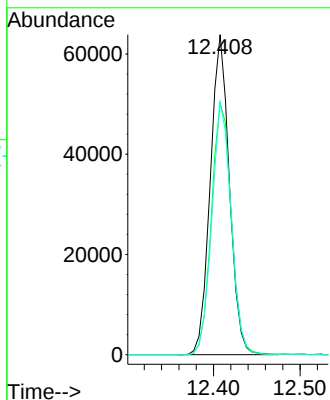
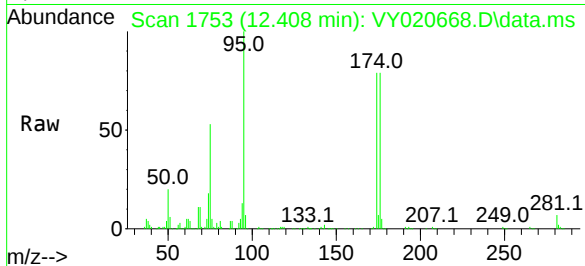




#62  
4-Bromofluorobenzene  
Concen: 32.257 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY020668.D  
Acq: 20 Dec 2024 14:10

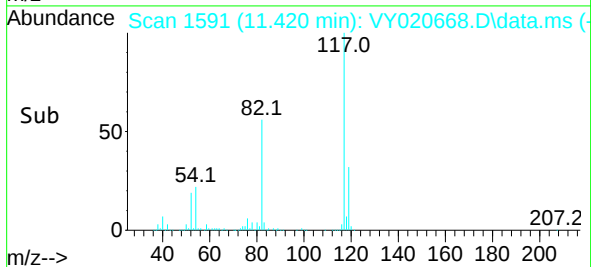
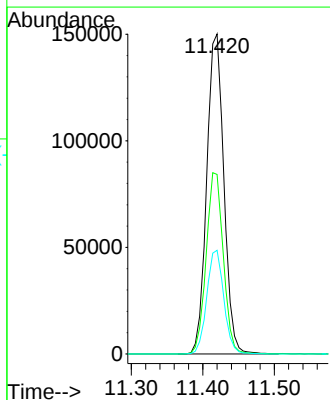
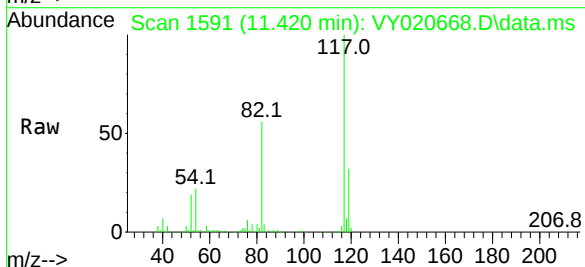
Instrument :  
MSVOA\_Y  
ClientSampleId :

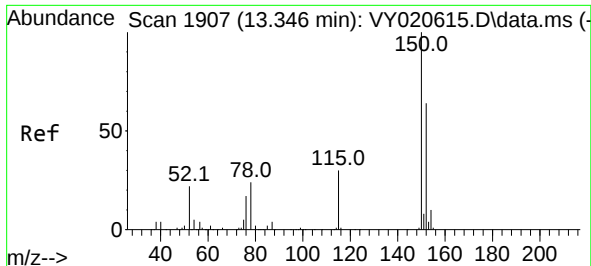
Tgt Ion: 95 Resp: 97453  
Ion Ratio Lower Upper  
95 100  
174 82.4 0.0 161.8  
176 80.0 0.0 156.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY020668.D  
Acq: 20 Dec 2024 14:10

Tgt Ion: 117 Resp: 249829  
Ion Ratio Lower Upper  
117 100  
82 56.1 45.8 68.6  
119 32.4 25.3 37.9

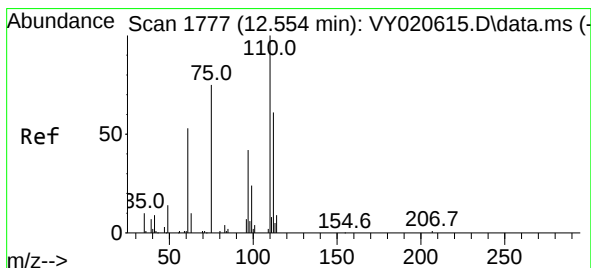
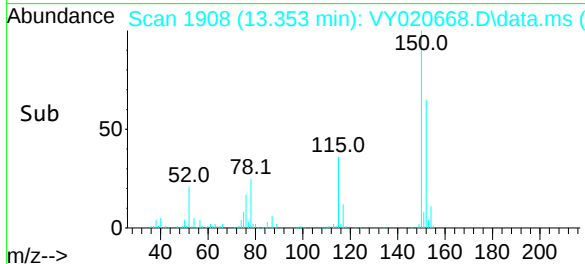
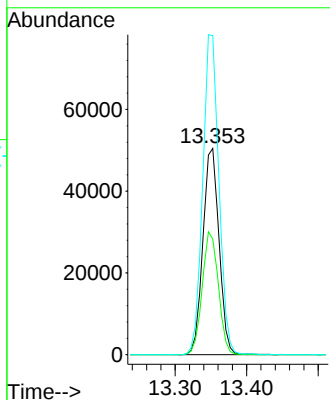
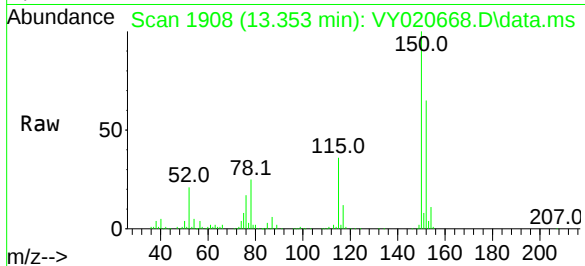




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.353 min Scan# 1907  
 Delta R.T. 0.006 min  
 Lab File: VY020668.D  
 Acq: 20 Dec 2024 14:10

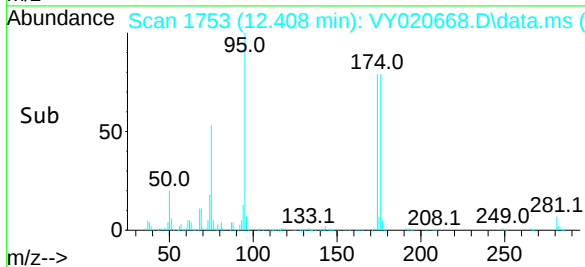
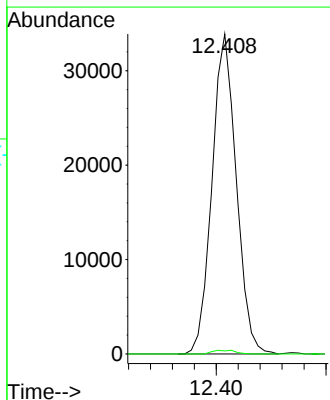
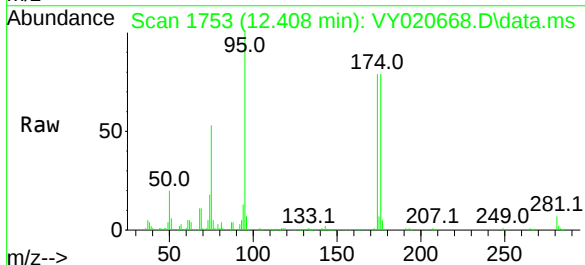
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

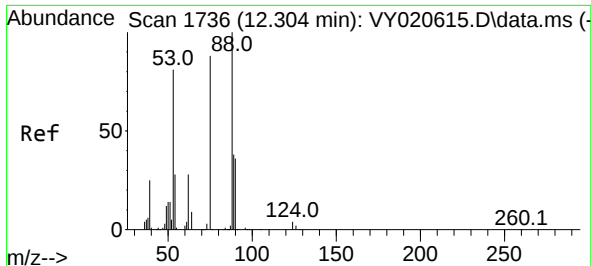
Tgt Ion:152 Resp: 79004  
 Ion Ratio Lower Upper  
 152 100  
 115 59.6 30.2 90.6  
 150 155.8 0.0 355.4



#76  
 1,2,3-Trichloropropane  
 Concen: 63.541 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. -0.146 min  
 Lab File: VY020668.D  
 Acq: 20 Dec 2024 14:10

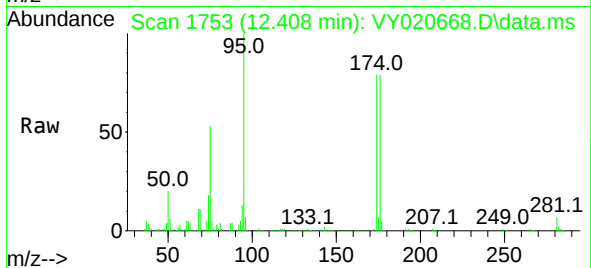
Tgt Ion: 75 Resp: 52148  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 133.375 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY020668.D  
Acq: 20 Dec 2024 14:10

Instrument :  
MSVOA\_Y  
ClientSampleId :



| Tgt Ion: | 75    | Resp: | 52148  |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 75.4  | 113.2# |
| 89       | 0.1   | 37.0  | 55.4#  |

