

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101124\  
 Data File : VY019878.D  
 Acq On : 11 Oct 2024 17:45  
 Operator : SY/MD  
 Sample : P4385-17  
 Misc : 6.26g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 14 01:50:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 10 05:30:07 2024  
 Response via : Initial Calibration

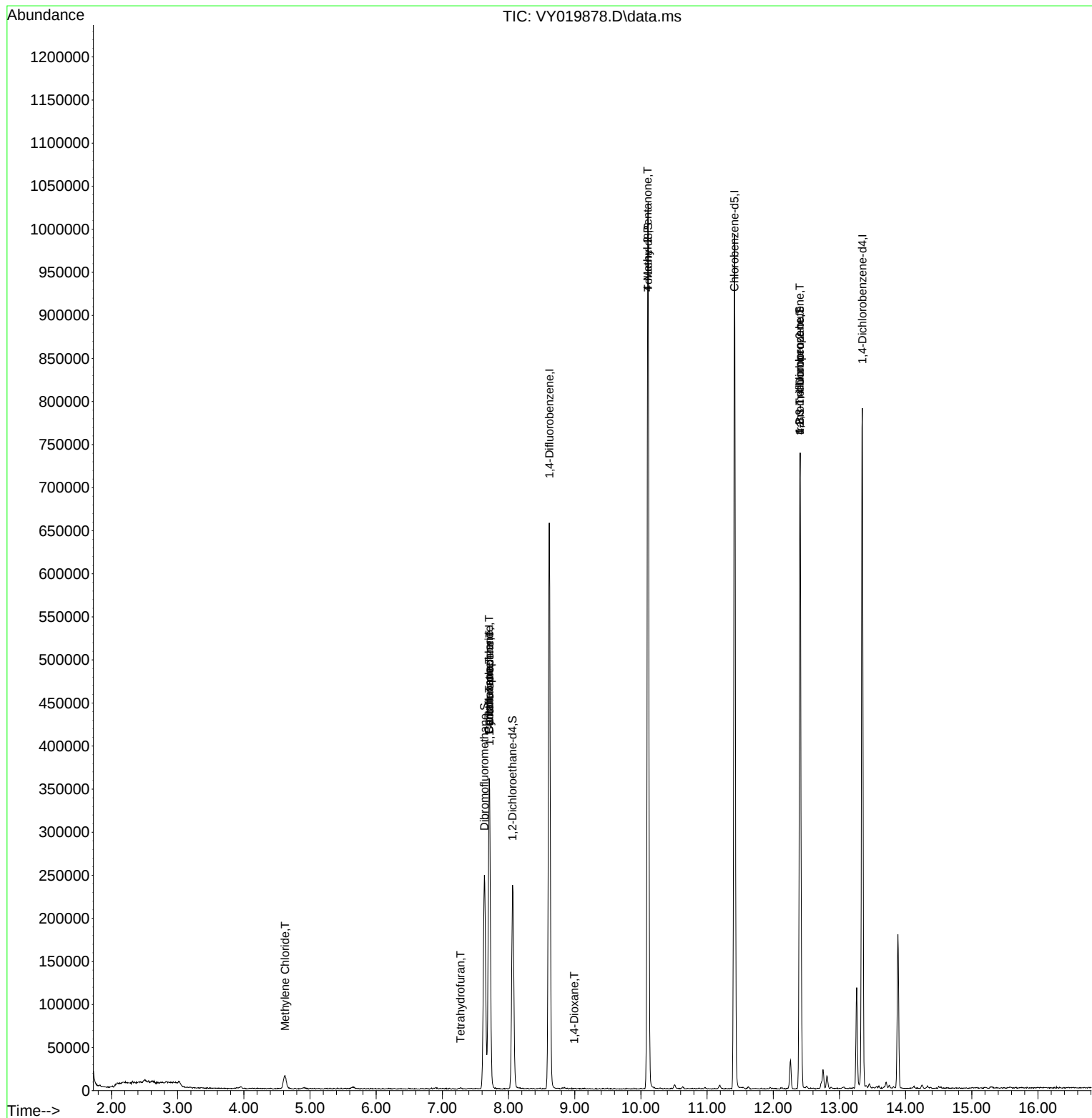
| Compound                      | R.T. QIon |                | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|-----------|----------------|----------|---------|----------|----------|
| -----                         |           |                |          |         |          |          |
| Internal Standards            |           |                |          |         |          |          |
| 1) Pentafluorobenzene         | 7.707     | 168            | 253892   | 50.000  | ug/l     | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616     | 114            | 530815   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117            | 485576   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.347    | 152            | 181975   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds   |           |                |          |         |          |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65             | 186485   | 59.653  | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 50 - 163 | Recovery | =       | 119.300% |          |
| 35) Dibromofluoromethane      | 7.634     | 113            | 175204   | 50.018  | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 54 - 147 | Recovery | =       | 100.040% |          |
| 50) Toluene-d8                | 10.109    | 98             | 646582   | 49.986  | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 58 - 134 | Recovery | =       | 99.980%  |          |
| 62) 4-Bromofluorobenzene      | 12.402    | 95             | 205702   | 44.011  | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 29 - 146 | Recovery | =       | 88.020%  |          |
| Target Compounds              |           |                |          |         |          |          |
|                               |           |                |          |         | Qvalue   |          |
| 20) Methylene Chloride        | 4.622     | 84             | 10449    | 2.712   | ug/l #   | 84       |
| 29) Tetrahydrofuran           | 7.274     | 42             | 847      | 1.362   | ug/l #   | 52       |
| 31) Cyclohexane               | 7.707     | 56             | 7327     | 1.403   | ug/l #   | 35       |
| 36) 1,1-Dichloropropene       | 7.713     | 75             | 25008    | 4.956   | ug/l #   | 48       |
| 38) Carbon Tetrachloride      | 7.707     | 117            | 27711    | 5.122   | ug/l #   | 15       |
| 49) 1,4-Dioxane               | 8.994     | 88             | 35       | 1.497   | ug/l #   | 20       |
| 51) 4-Methyl-2-Pentanone      | 10.103    | 43             | 3459     | 1.264   | ug/l #   | 1        |
| 76) 1,2,3-Trichloropropane    | 12.402    | 75             | 120476   | 33.795  | ug/l #   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402    | 75             | 120476   | 136.411 | ug/l #   | 16       |
| -----                         |           |                |          |         |          |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101124\  
Data File : VY019878.D  
Acq On : 11 Oct 2024 17:45  
Operator : SY/MD  
Sample : P4385-17  
Misc : 6.26g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 14 01:50:34 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 10 05:30:07 2024  
Response via : Initial Calibration

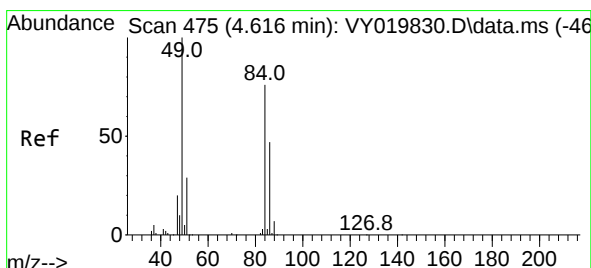
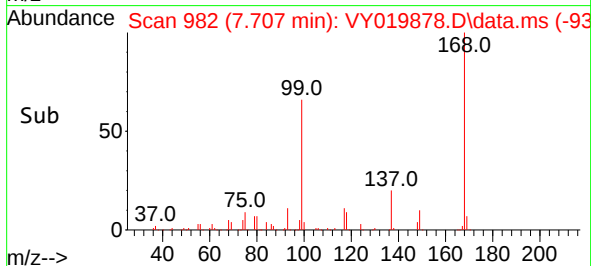
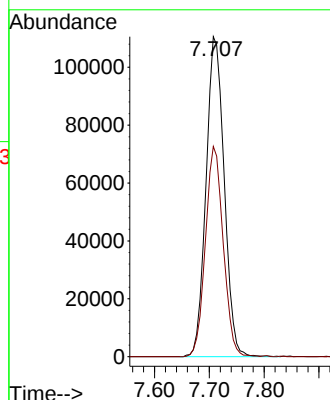
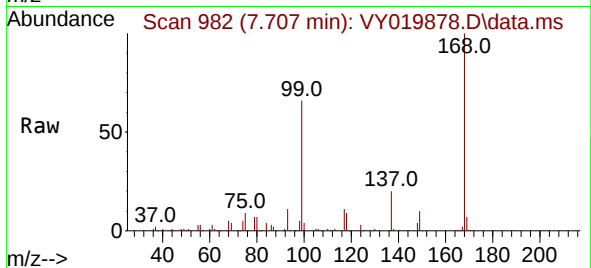




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019878.D  
Acq: 11 Oct 2024 17:45

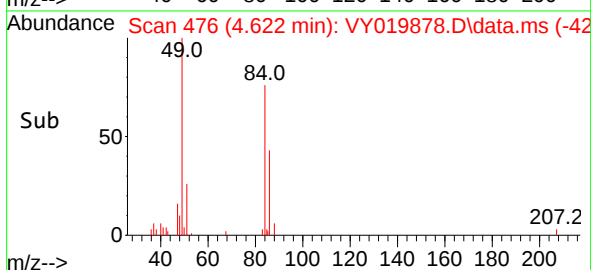
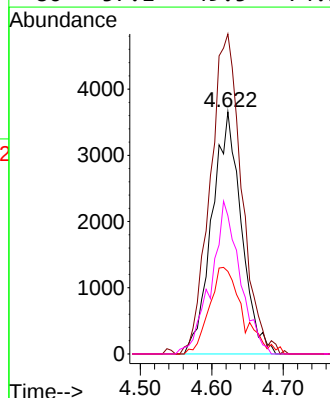
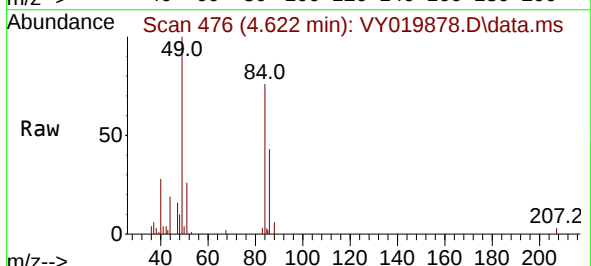
Instrument :  
MSVOA\_Y  
ClientSampleId :

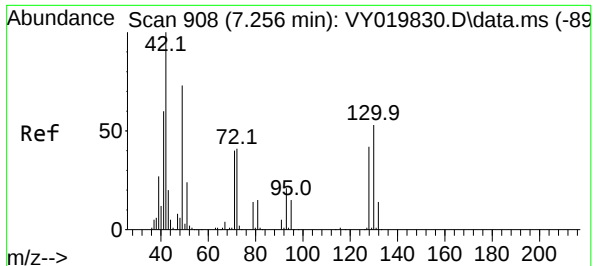
Tgt Ion:168 Resp: 253892  
Ion Ratio Lower Upper  
168 100  
99 65.7 39.1 58.7#



#20  
Methylene Chloride  
Concen: 2.712 ug/l  
RT: 4.622 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY019878.D  
Acq: 11 Oct 2024 17:45

Tgt Ion: 84 Resp: 10449  
Ion Ratio Lower Upper  
84 100  
49 132.2 84.4 126.6#  
51 34.1 26.0 39.0  
86 57.1 49.5 74.3





#29

Tetrahydrofuran

Concen: 1.362 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.013 min

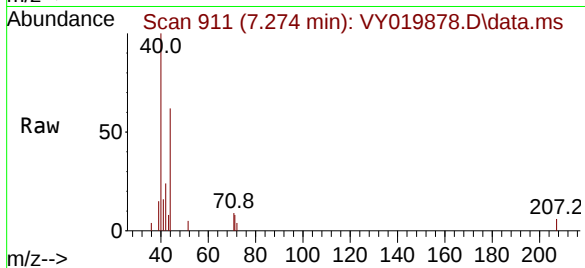
Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

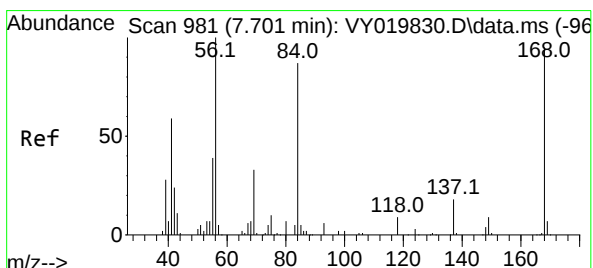
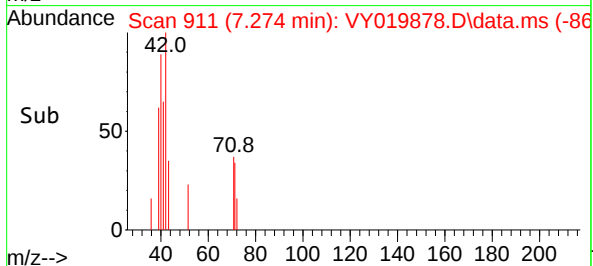
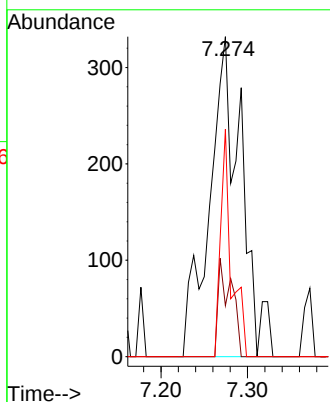
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 847   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 12.8  | 43.0  | 64.4# |
| 71       | 24.1  | 40.8  | 61.2# |



#31

Cyclohexane

Concen: 1.403 ug/l

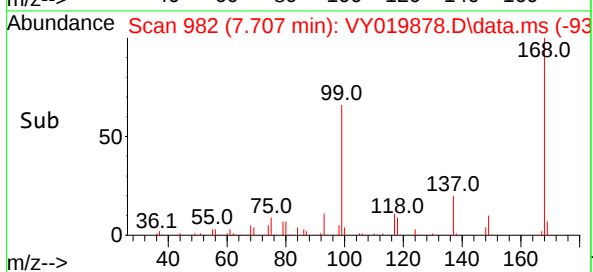
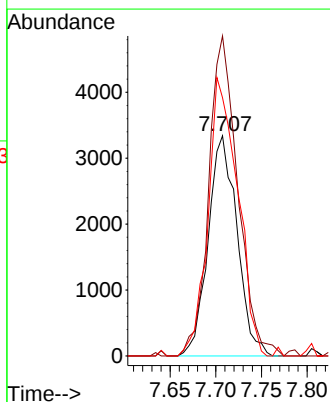
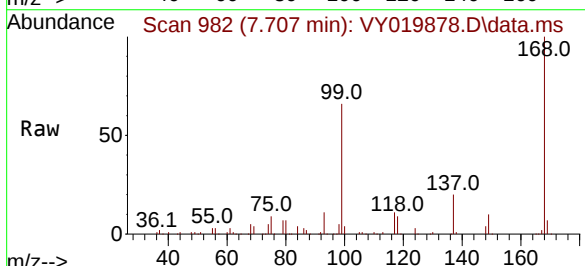
RT: 7.707 min Scan# 982

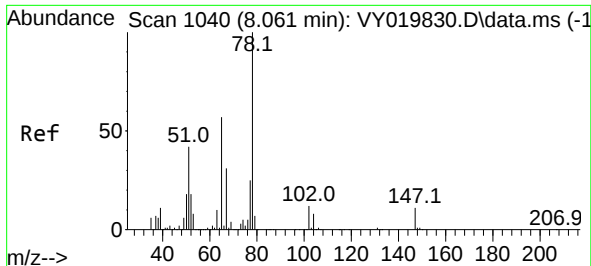
Delta R.T. 0.006 min

Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 7327   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 145.4 | 28.7  | 43.1#  |
| 84       | 117.3 | 77.7  | 116.5# |





#33

1,2-Dichloroethane-d4

Concen: 59.653 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

Instrument :

MSVOA\_Y

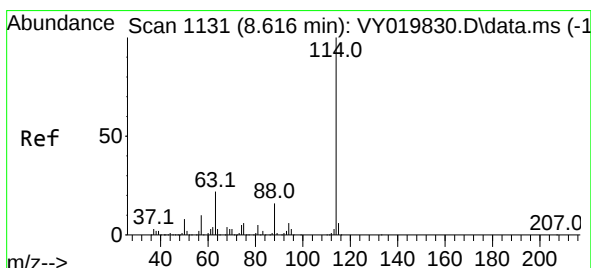
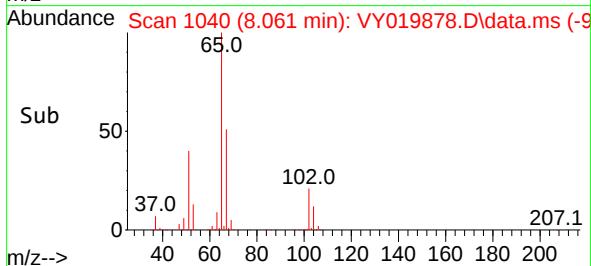
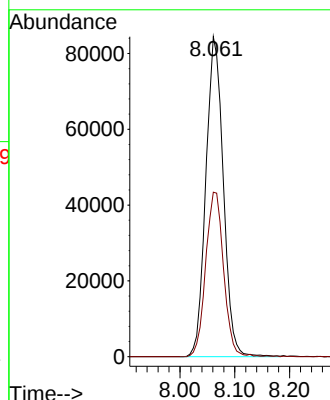
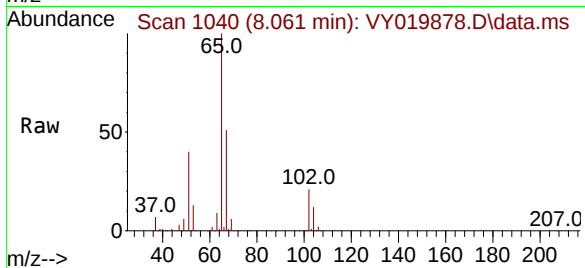
ClientSampleId :

Tgt Ion: 65 Resp: 186485

Ion Ratio Lower Upper

65 100

67 52.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

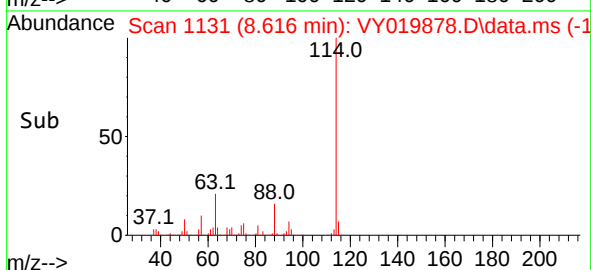
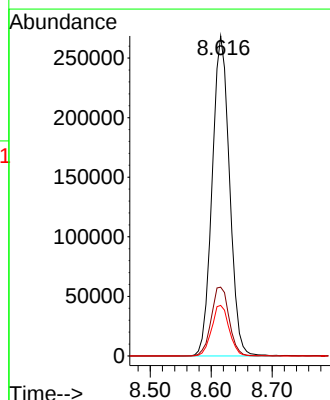
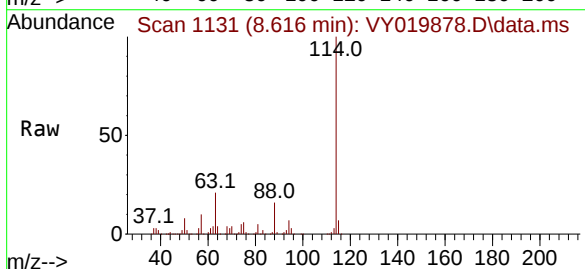
Tgt Ion: 114 Resp: 530815

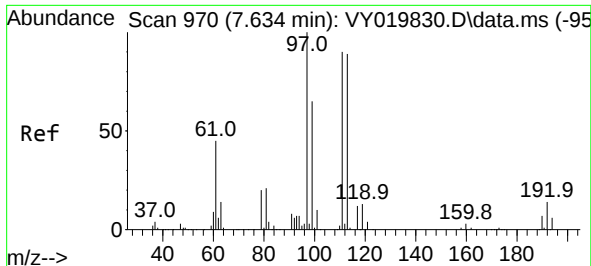
Ion Ratio Lower Upper

114 100

63 21.5 0.0 35.0

88 15.8 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.018 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

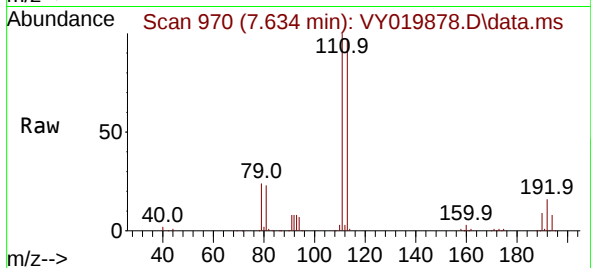
Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

Instrument :

MSVOA\_Y

ClientSampleId :



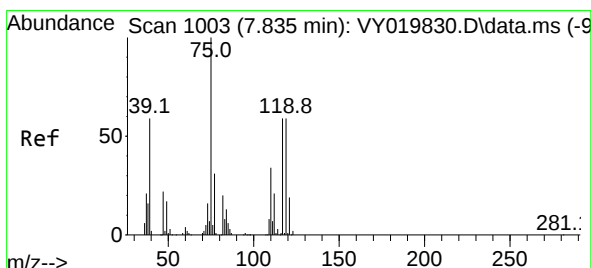
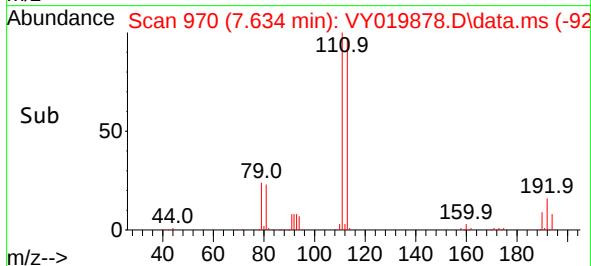
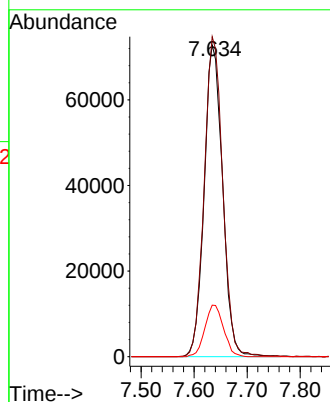
Tgt Ion:113 Resp: 175204

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 16.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.956 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

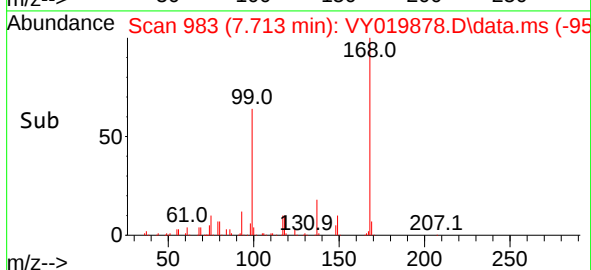
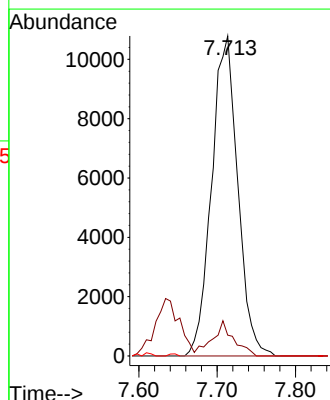
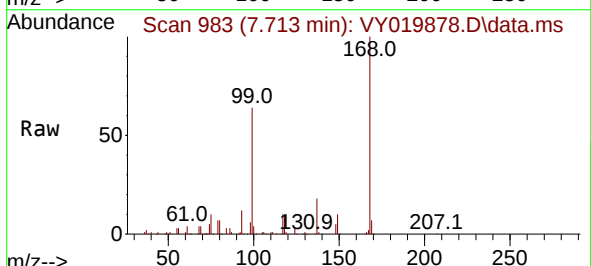
Tgt Ion: 75 Resp: 25008

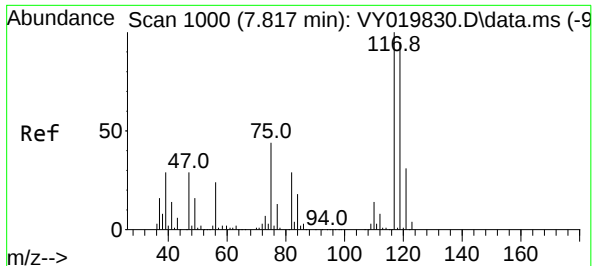
Ion Ratio Lower Upper

75 100

110 8.9 19.0 57.0#

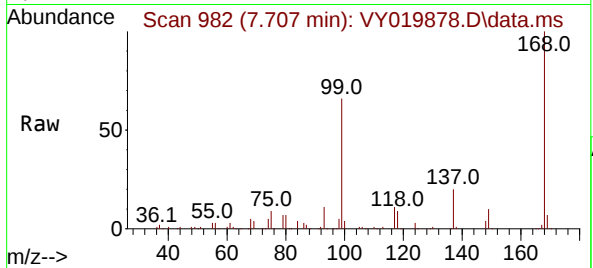
77 0.0 25.3 37.9#



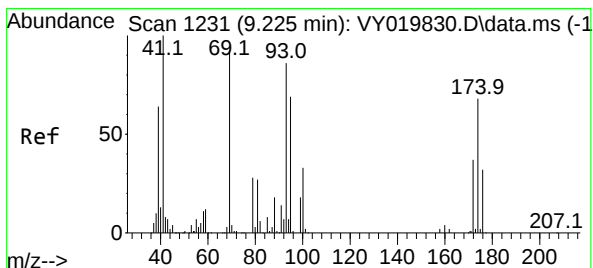
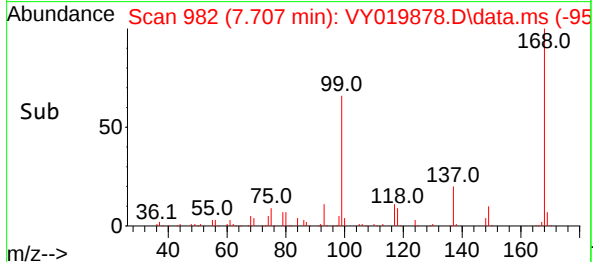
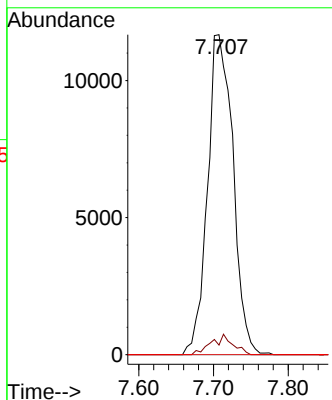


#38  
Carbon Tetrachloride  
Concen: 5.122 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY019878.D  
Acq: 11 Oct 2024 17:45

Instrument :  
MSVOA\_Y  
ClientSampleId :

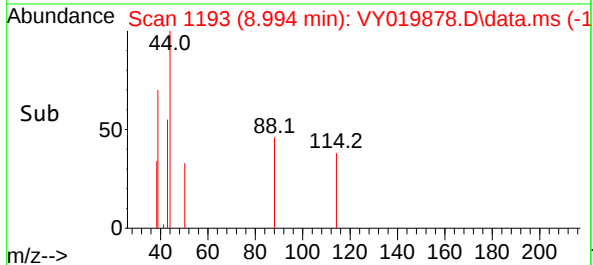
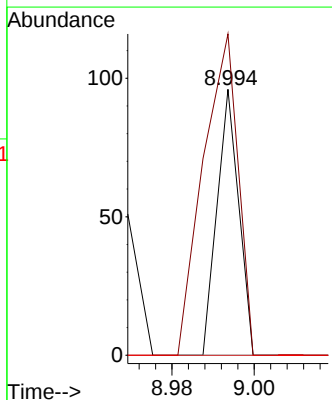
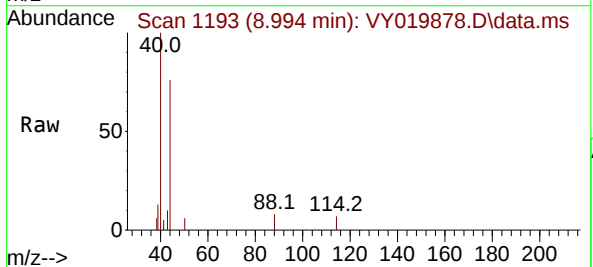


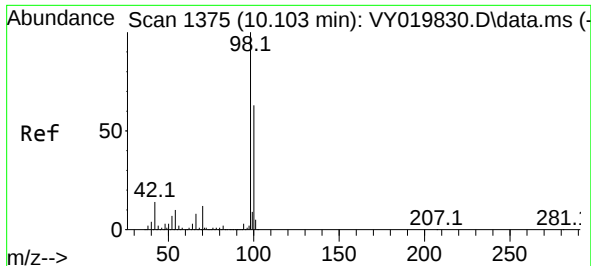
Tgt Ion:117 Resp: 27711  
Ion Ratio Lower Upper  
117 100  
119 3.0 75.8 113.6#  
121 0.0 24.0 36.0#



#49  
1,4-Dioxane  
Concen: 1.497 ug/l  
RT: 8.994 min Scan# 1193  
Delta R.T. -0.237 min  
Lab File: VY019878.D  
Acq: 11 Oct 2024 17:45

Tgt Ion: 88 Resp: 35  
Ion Ratio Lower Upper  
88 100  
43 194.3 0.0 0.0#  
58 0.0 49.3 73.9#

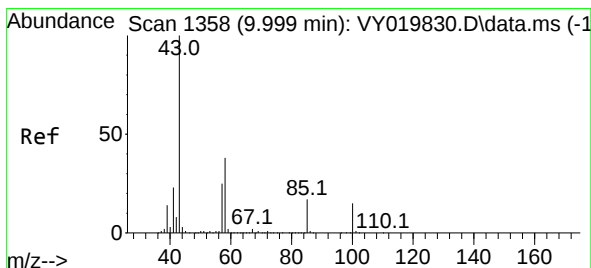
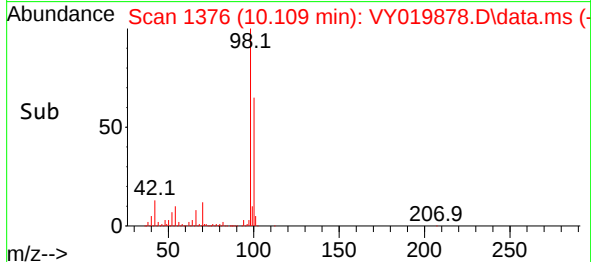
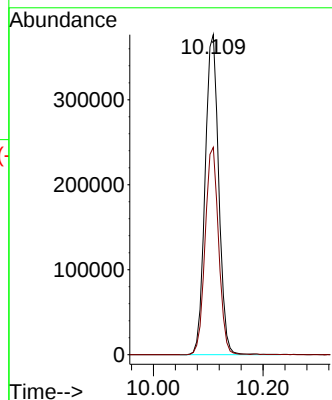
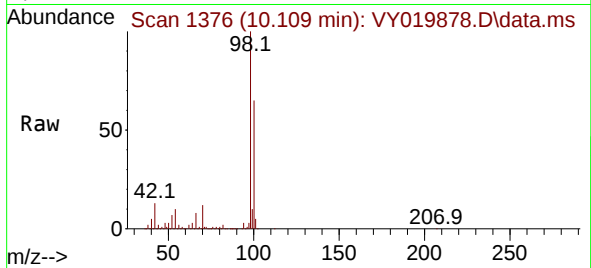




#50  
Toluene-d8  
Concen: 49.986 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY019878.D  
Acq: 11 Oct 2024 17:45

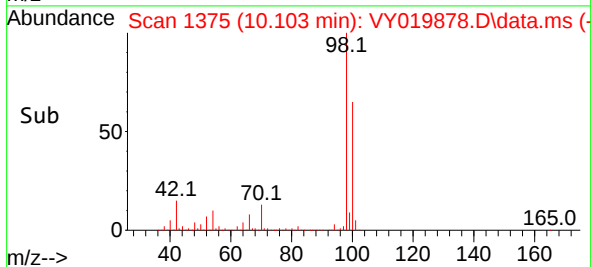
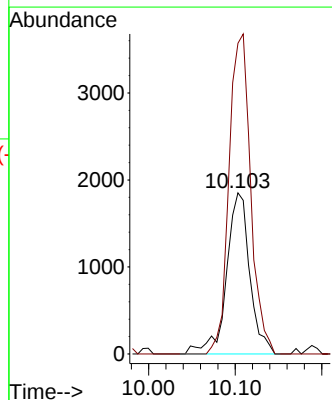
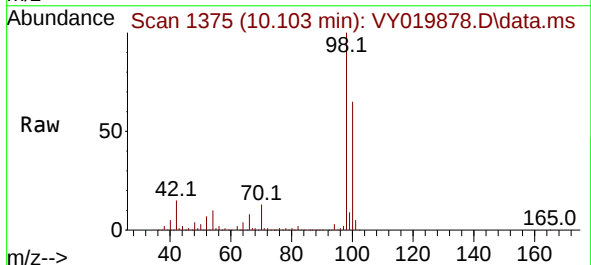
Instrument :  
MSVOA\_Y  
ClientSampleId :

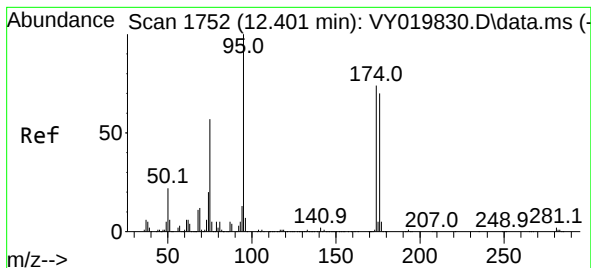
Tgt Ion: 98 Resp: 646582  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 1.264 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.104 min  
Lab File: VY019878.D  
Acq: 11 Oct 2024 17:45

Tgt Ion: 43 Resp: 3459  
Ion Ratio Lower Upper  
43 100  
58 184.4 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 44.011 ug/l

RT: 12.402 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

Instrument :

MSVOA\_Y

ClientSampleId :

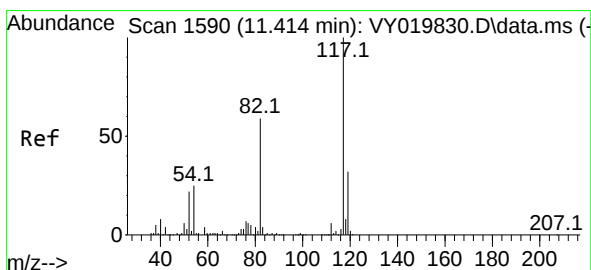
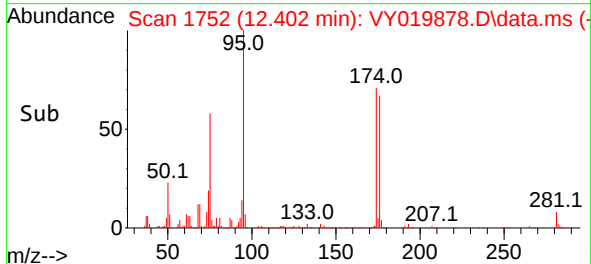
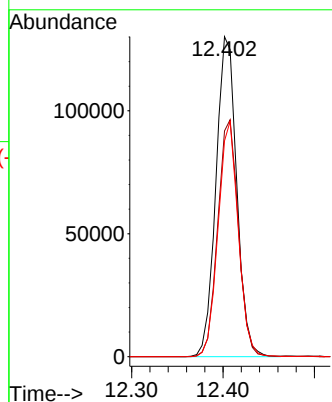
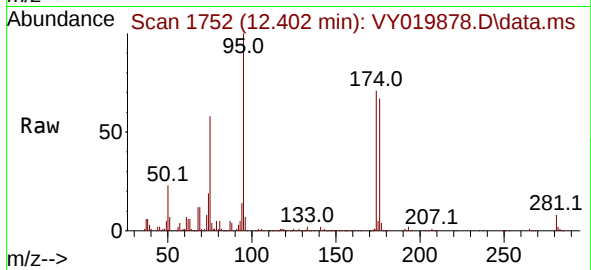
Tgt Ion: 95 Resp: 205702

Ion Ratio Lower Upper

95 100

174 73.5 0.0 175.6

176 71.2 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY019878.D

Acq: 11 Oct 2024 17:45

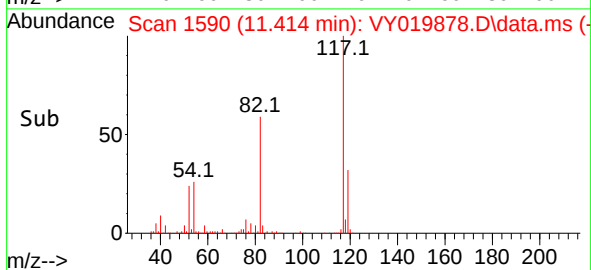
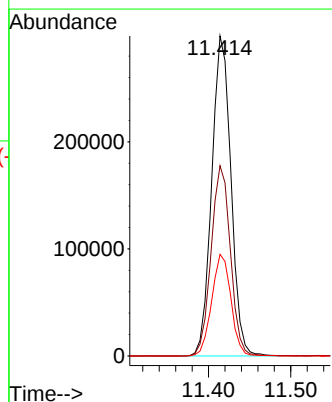
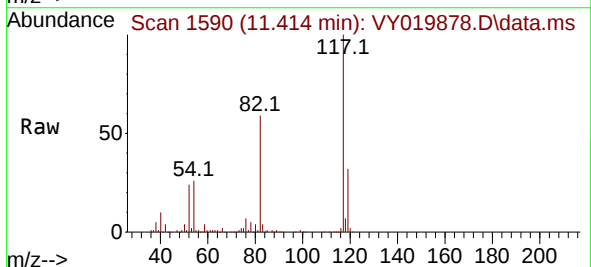
Tgt Ion: 117 Resp: 485576

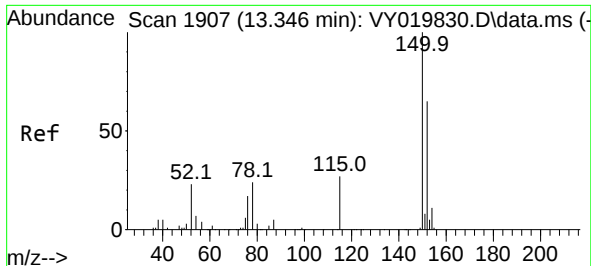
Ion Ratio Lower Upper

117 100

82 59.5 42.4 63.6

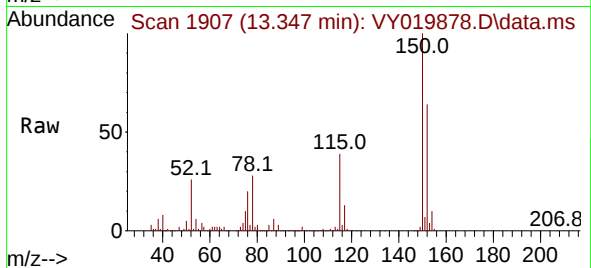
119 31.8 25.9 38.9



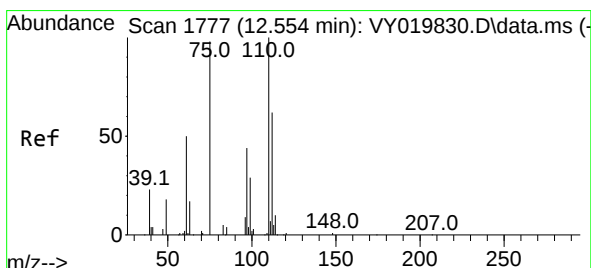
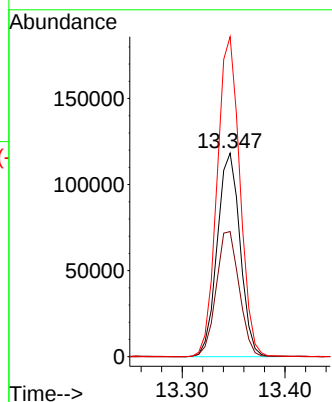
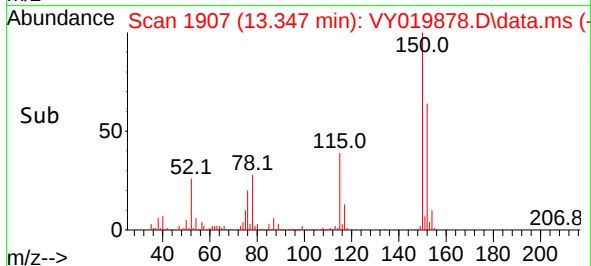


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.347 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY019878.D  
 Acq: 11 Oct 2024 17:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

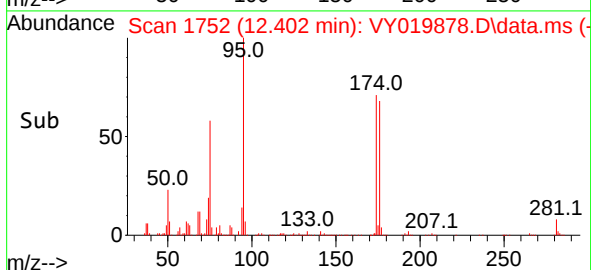
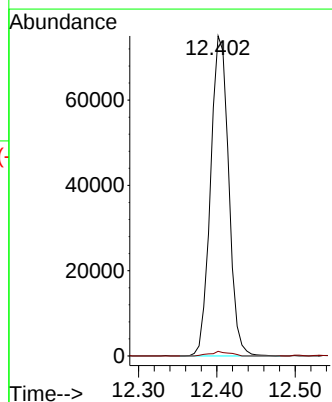
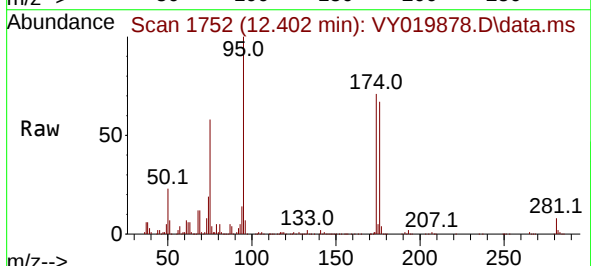


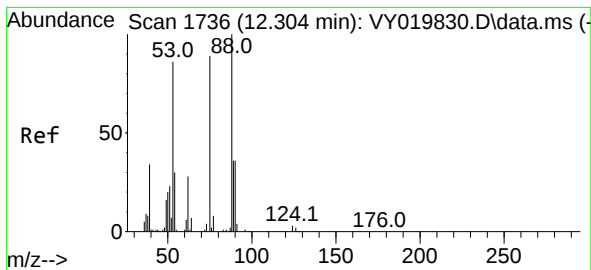
Tgt Ion:152 Resp: 181975  
 Ion Ratio Lower Upper  
 152 100  
 115 62.3 28.2 84.7  
 150 157.0 0.0 345.6



#76  
 1,2,3-Trichloropropane  
 Concen: 33.795 ug/l  
 RT: 12.402 min Scan# 1752  
 Delta R.T. -0.158 min  
 Lab File: VY019878.D  
 Acq: 11 Oct 2024 17:45

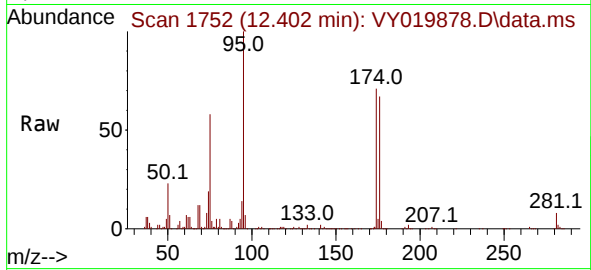
Tgt Ion: 75 Resp: 120476  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 136.411 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY019878.D  
Acq: 11 Oct 2024 17:45

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 120476  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.5 35.8 53.6#

