

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051022\  
 Data File : VY008679.D  
 Acq On : 10 May 2022 14:31  
 Operator : KP/MD  
 Sample : N2759-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-02-050922

Quant Time: May 11 04:31:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050922S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 09 19:21:20 2022  
 Response via : Initial Calibration

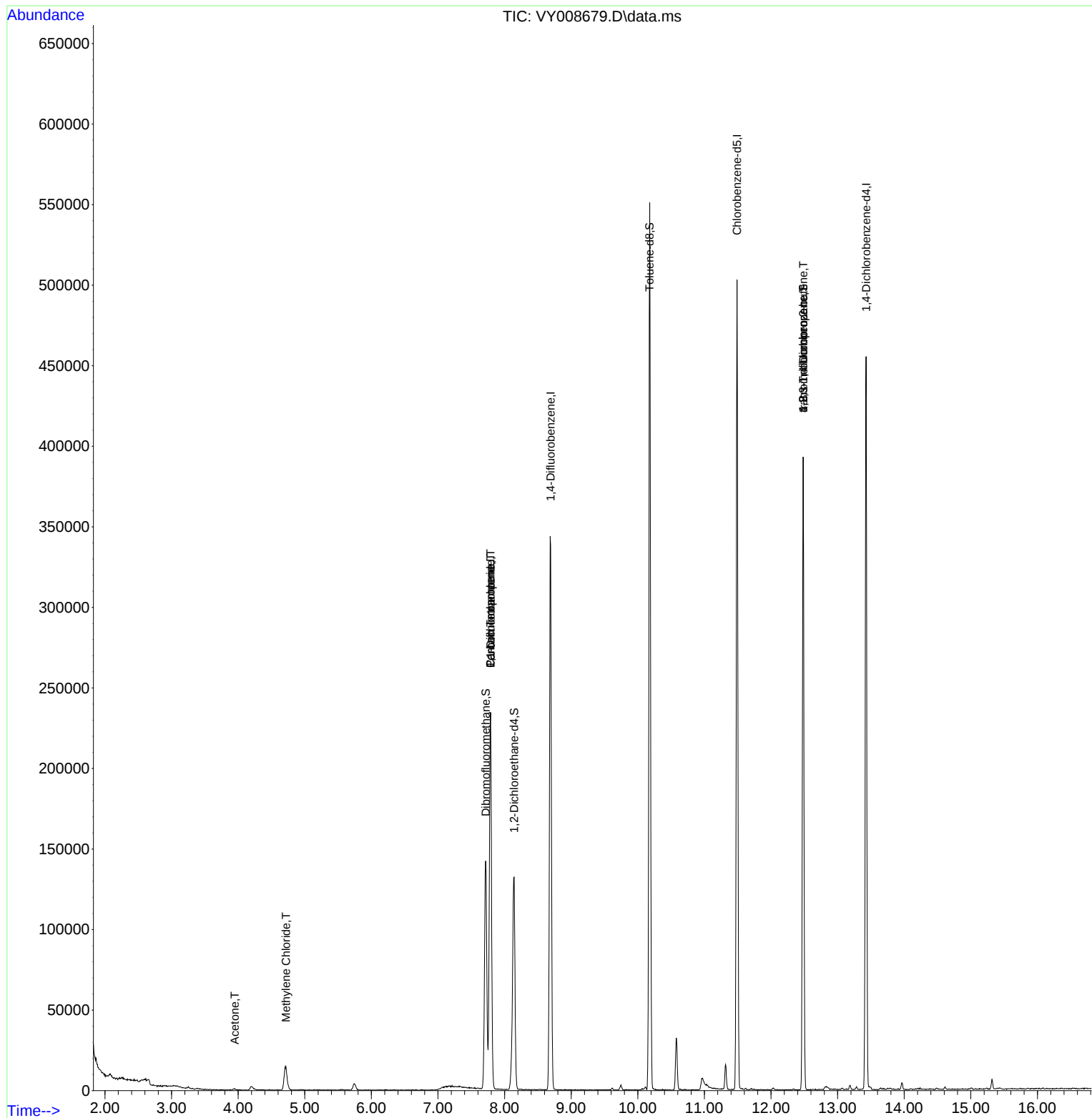
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 198708              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 326338              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 291916              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 126918              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143          | 65   | 96331               | 56.577    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 113.160% |           |        |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 103708              | 51.569    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 103.140% |           |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 369836              | 52.187    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 104.380% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 115454              | 45.283    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 90.560%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
| 11) Tert butyl alcohol        | 4.942          | 59   | 249                 | Below Cal | #      | 77       |
| 16) Acetone                   | 3.948          | 43   | 1419                | 3.533     | ug/l # | 78       |
| 18) Methyl Acetate            | 4.466          | 43   | 138                 | Below Cal | #      | 56       |
| 20) Methylene Chloride        | 4.716          | 84   | 12475               | 5.114     | ug/l # | 75       |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 13349               | 4.131     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.789          | 117  | 18297               | 5.599     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 54175               | 37.866    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 54175               | 75.336    | ug/l # | 7        |
| -----                         |                |      |                     |           |        |          |

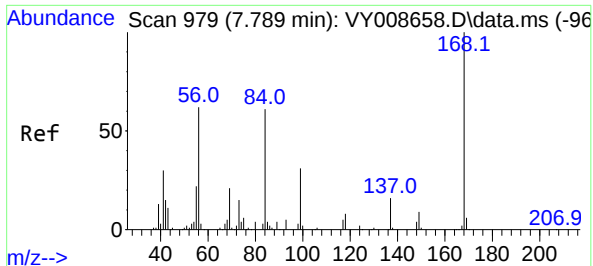
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051022\  
Data File : VY008679.D  
Acq On : 10 May 2022 14:31  
Operator : KP/MD  
Sample : N2759-01  
Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-02-050922

Quant Time: May 11 04:31:03 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050922S.M  
Quant Title : SW846 8260  
QLast Update : Mon May 09 19:21:20 2022  
Response via : Initial Calibration

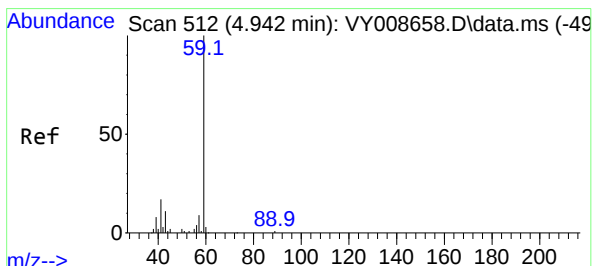
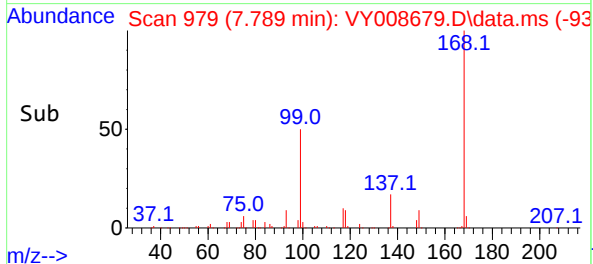
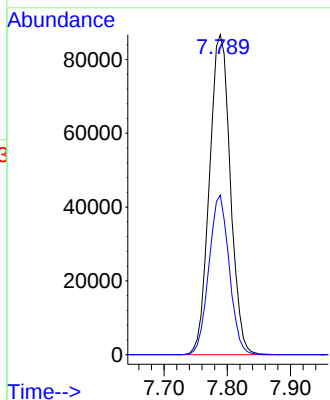
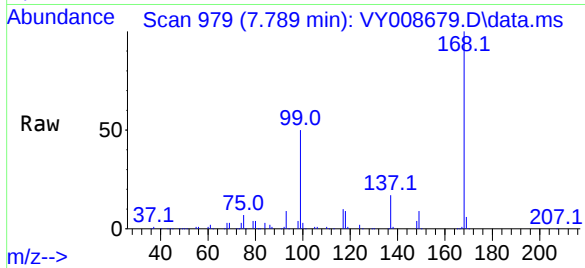




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

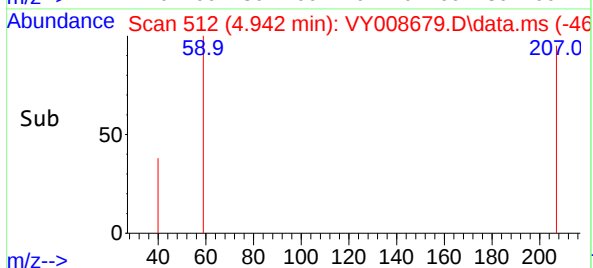
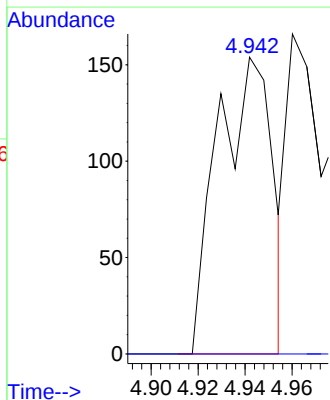
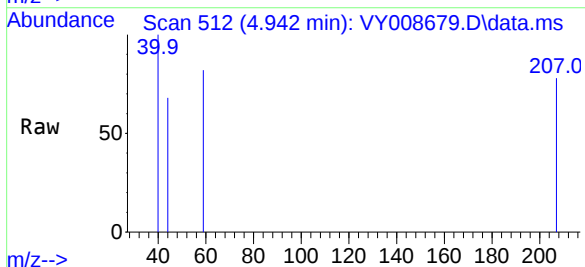
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-02-050922

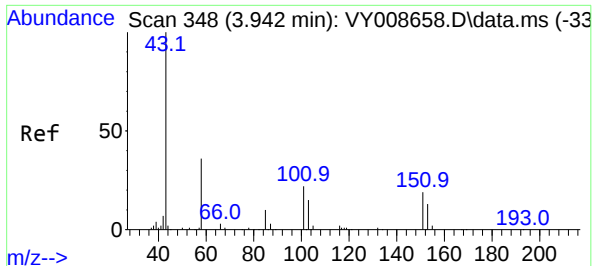
Tgt Ion:168 Resp: 198708  
Ion Ratio Lower Upper  
168 100  
99 49.9 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.942 min Scan# 512  
Delta R.T. -0.000 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

Tgt Ion: 59 Resp: 249  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

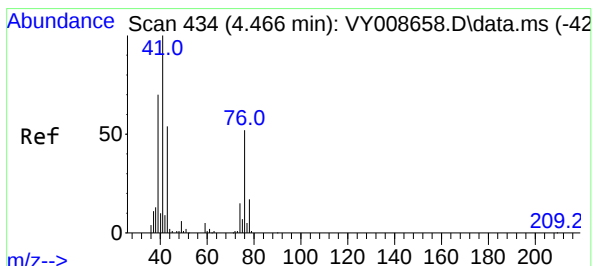
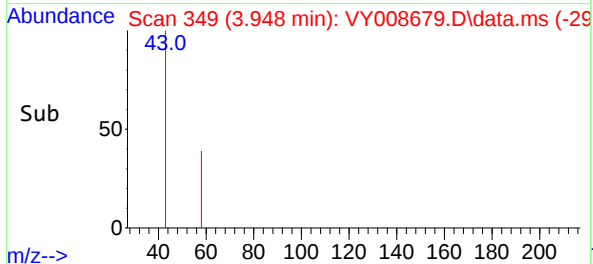
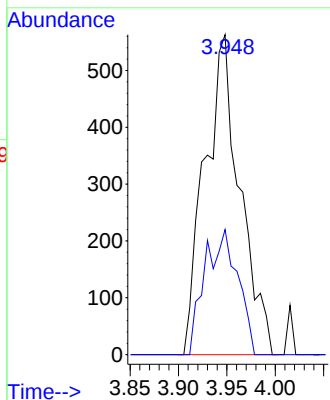
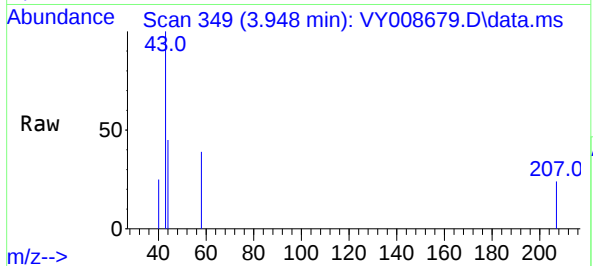




#16  
Acetone  
Concen: 3.533 ug/l  
RT: 3.948 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

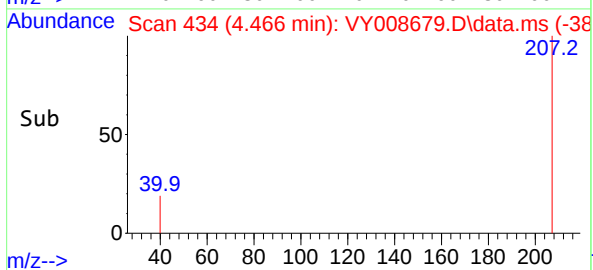
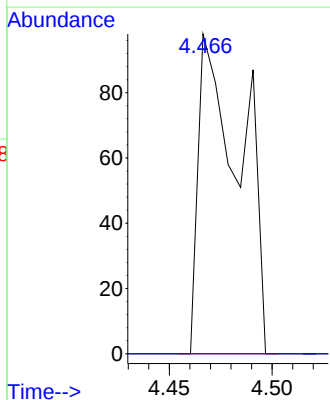
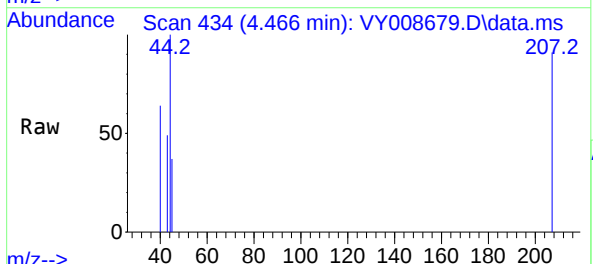
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-02-050922

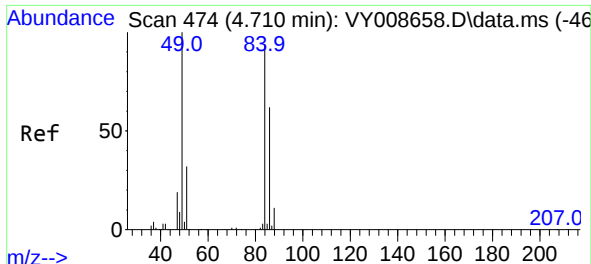
Tgt Ion: 43 Resp: 1419  
Ion Ratio Lower Upper  
43 100  
58 39.1 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.466 min Scan# 434  
Delta R.T. 0.000 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

Tgt Ion: 43 Resp: 138  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



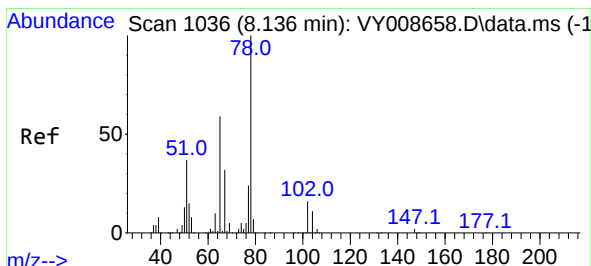
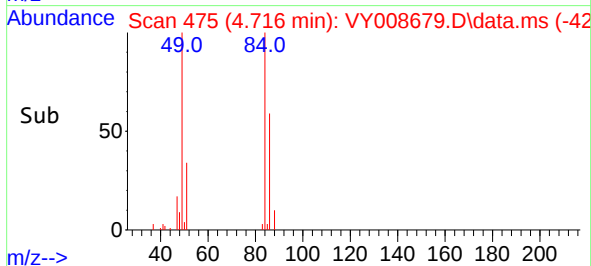
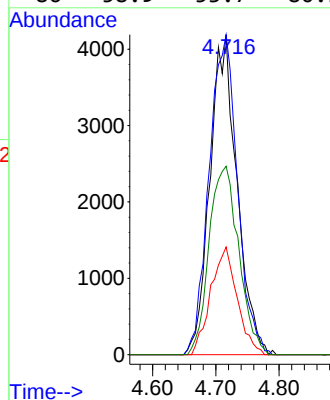
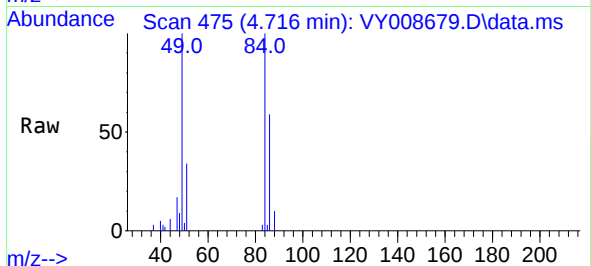


#20  
Methylene Chloride  
Concen: 5.114 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-02-050922

Tgt Ion: 84 Resp: 12475

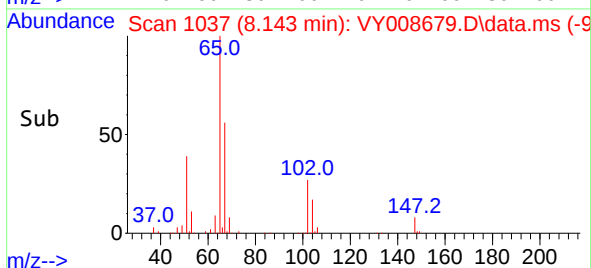
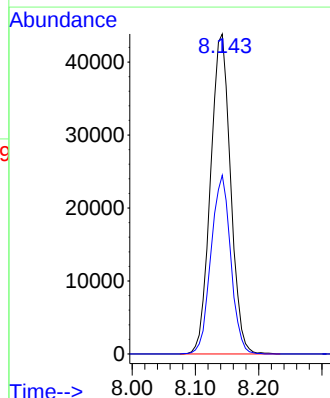
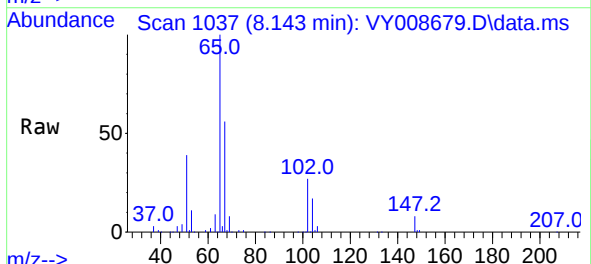
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 99.9  | 114.4 | 171.6# |
| 51  | 33.6  | 35.3  | 52.9#  |
| 86  | 58.9  | 53.7  | 80.5   |

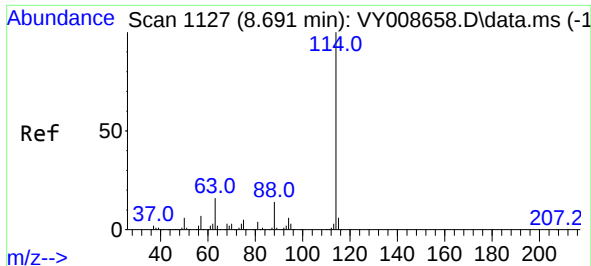


#33  
1,2-Dichloroethane-d4  
Concen: 56.577 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.007 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

Tgt Ion: 65 Resp: 96331

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 54.9  | 0.0   | 99.4  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008679.D

Acq: 10 May 2022 14:31

Instrument :

MSVOA\_Y

ClientSampleId :

PL-02-050922

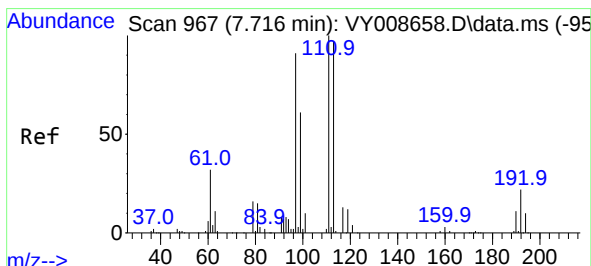
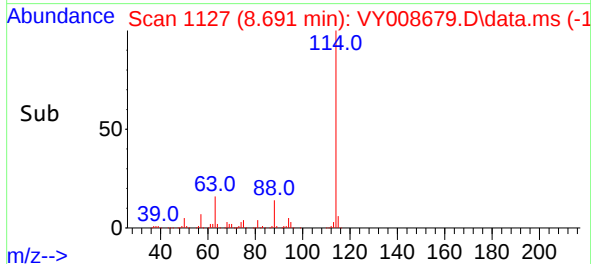
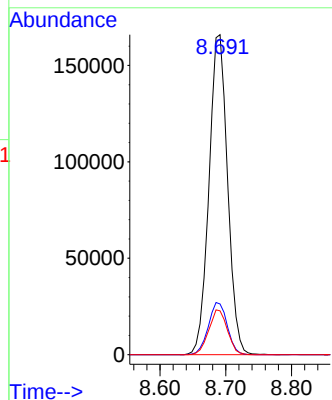
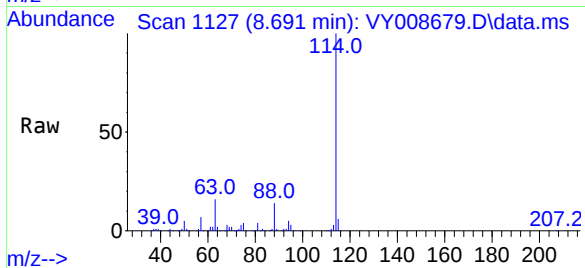
Tgt Ion:114 Resp: 326338

Ion Ratio Lower Upper

114 100

63 15.9 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.569 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008679.D

Acq: 10 May 2022 14:31

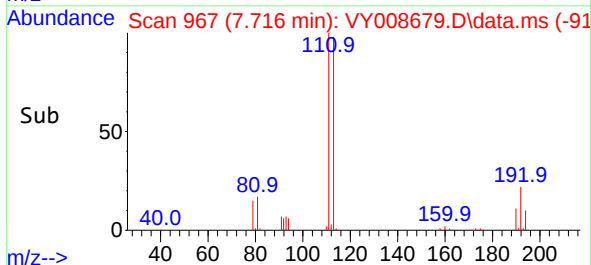
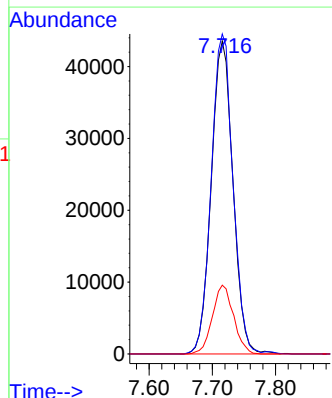
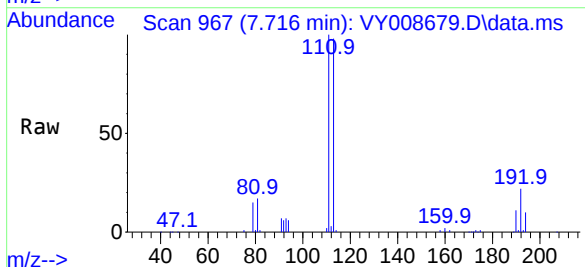
Tgt Ion:113 Resp: 103708

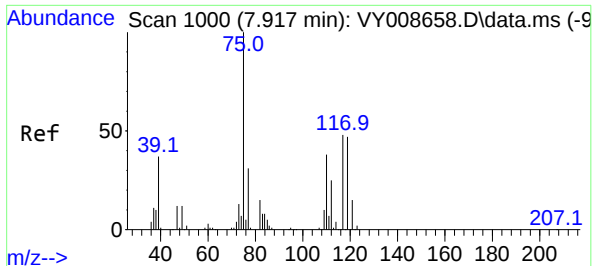
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 21.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.131 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008679.D

Acq: 10 May 2022 14:31

Instrument :

MSVOA\_Y

ClientSampleId :

PL-02-050922

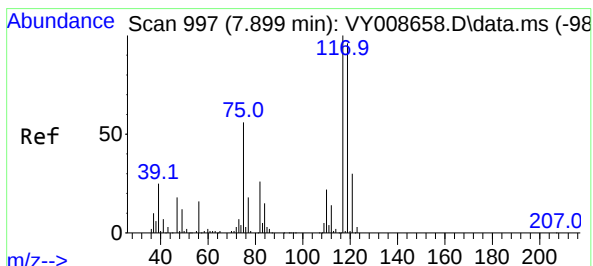
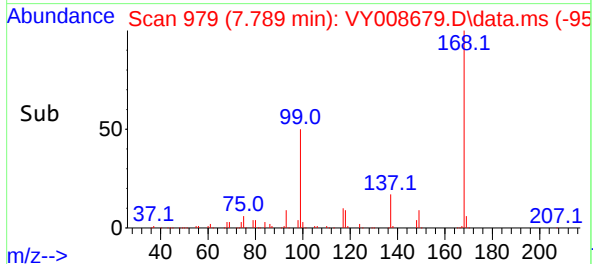
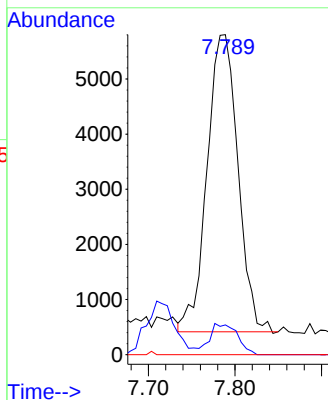
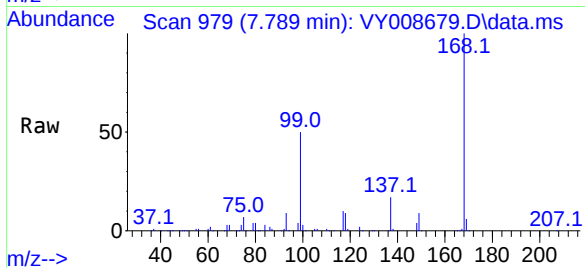
Tgt Ion: 75 Resp: 13349

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.599 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008679.D

Acq: 10 May 2022 14:31

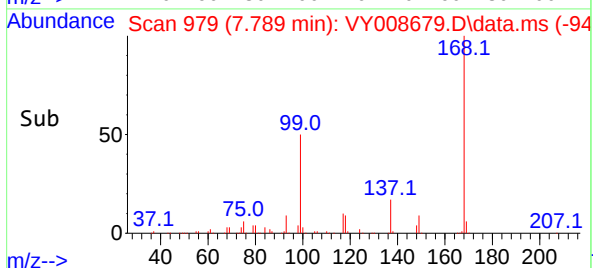
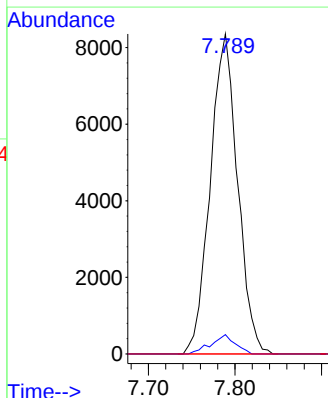
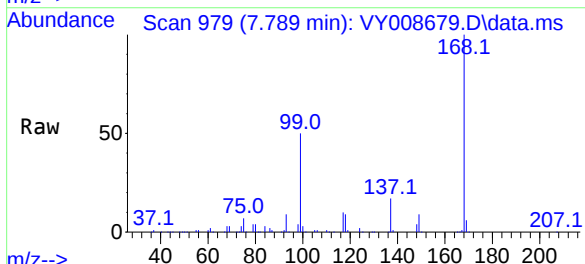
Tgt Ion: 117 Resp: 18297

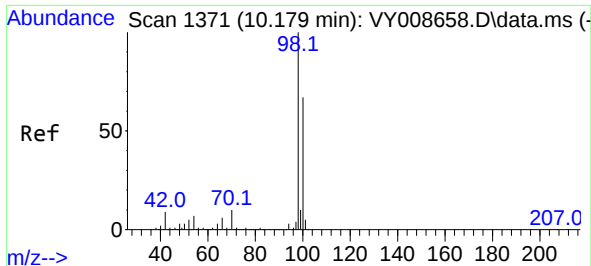
Ion Ratio Lower Upper

117 100

119 6.1 77.9 116.9#

121 0.0 24.8 37.2#

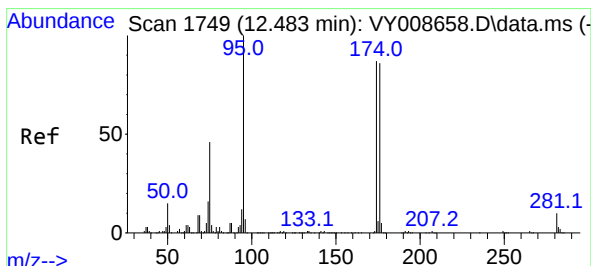
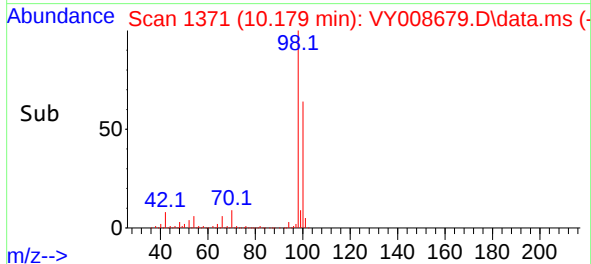
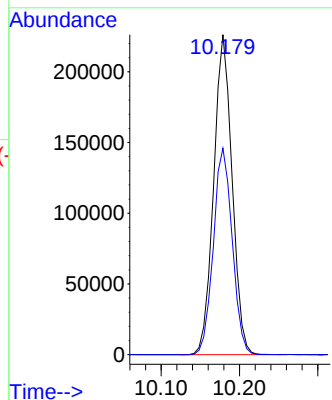
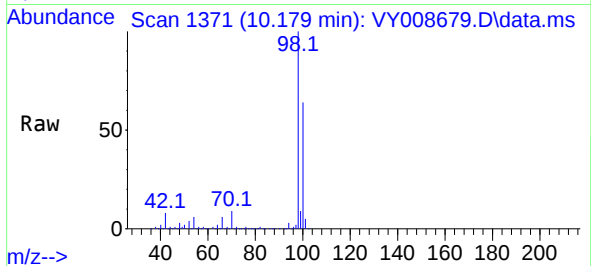




#50  
Toluene-d8  
Concen: 52.187 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

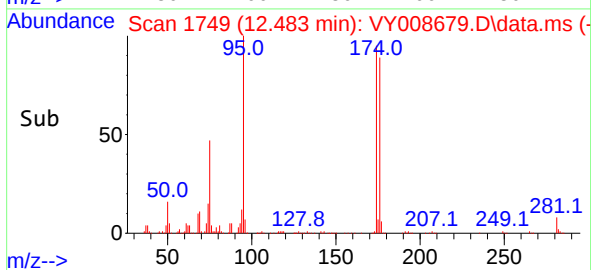
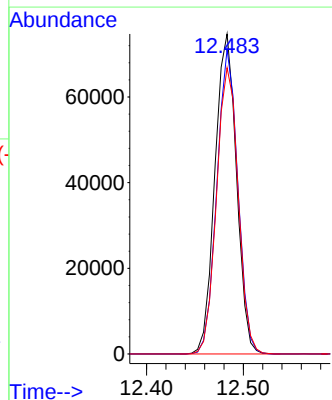
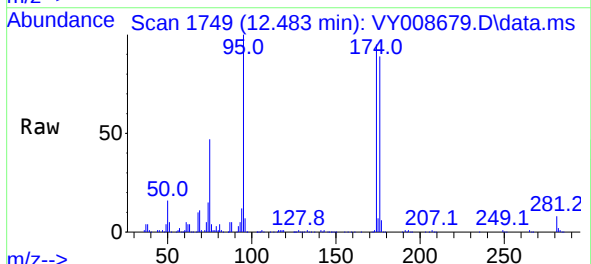
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-02-050922

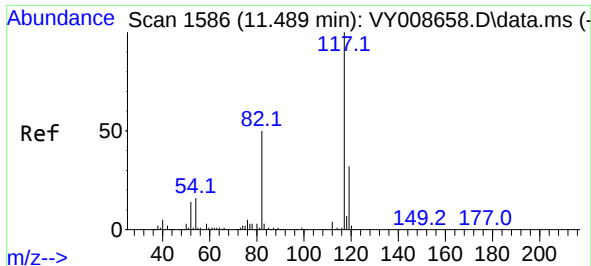
Tgt Ion: 98 Resp: 369836  
Ion Ratio Lower Upper  
98 100  
100 66.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 45.283 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

Tgt Ion: 95 Resp: 115454  
Ion Ratio Lower Upper  
95 100  
174 92.4 0.0 177.0  
176 89.9 0.0 175.8

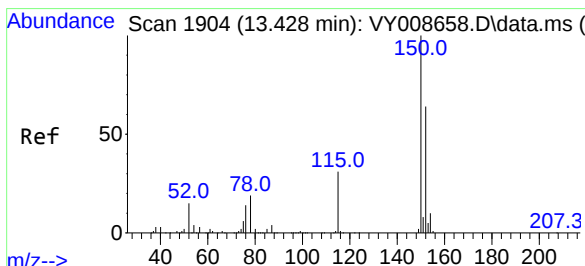
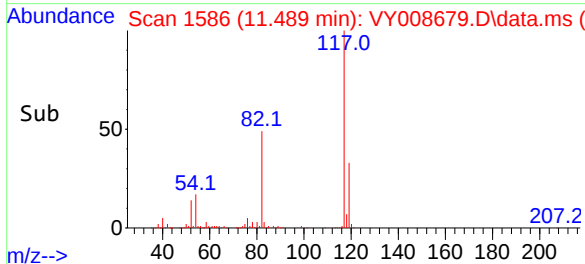
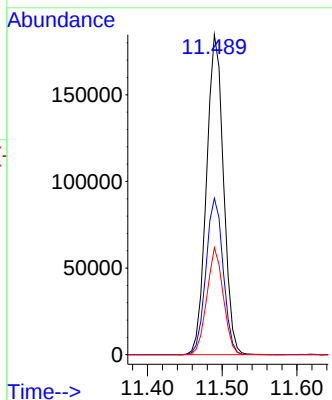
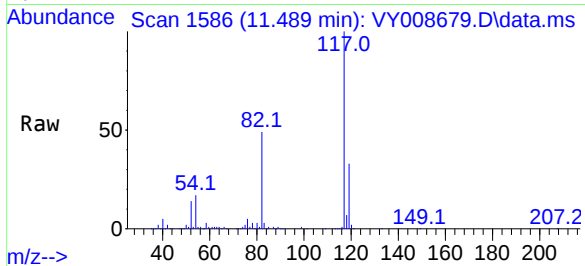




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

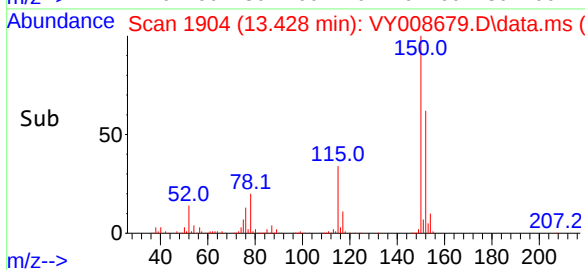
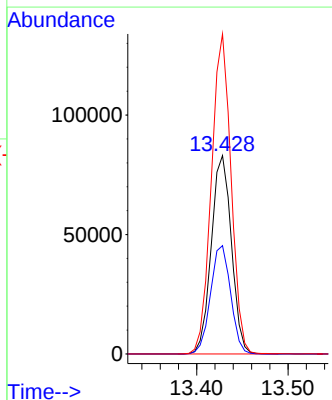
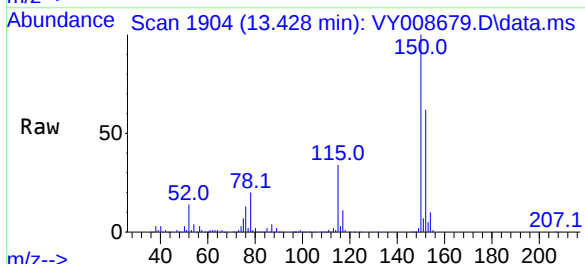
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-02-050922

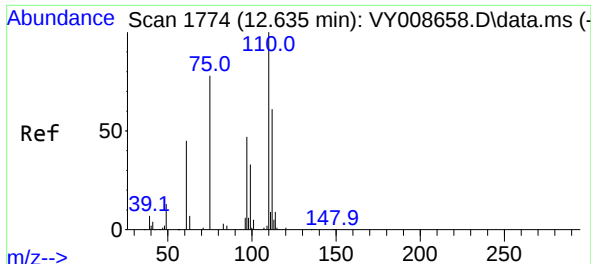
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 291916 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 48.9  | 43.0  | 64.4   |
| 119      | 33.4  | 25.4  | 38.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 126918 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 54.7  | 28.2  | 84.7   |
| 150      | 157.5 | 0.0   | 347.6  |

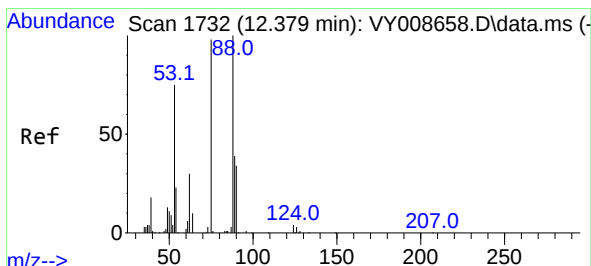
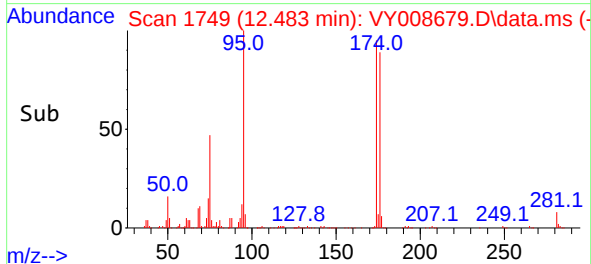
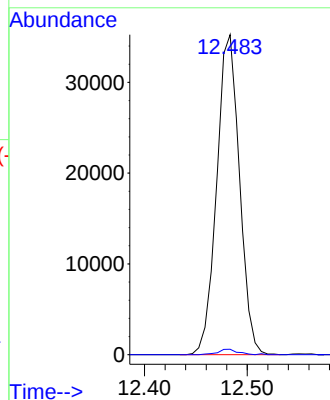
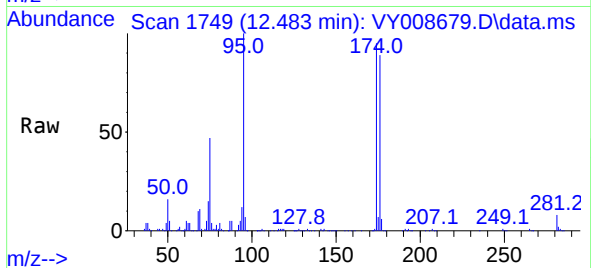




#76  
1,2,3-Trichloropropane  
Concen: 37.866 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-02-050922

Tgt Ion: 75 Resp: 54175  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.336 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY008679.D  
Acq: 10 May 2022 14:31

Tgt Ion: 75 Resp: 54175  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.1 37.0 55.4#

