

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102124\  
 Data File : VY019961.D  
 Acq On : 21 Oct 2024 14:01  
 Operator : SY/MD  
 Sample : P4455-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 21 23:31:55 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 05:44:48 2024  
 Response via : Initial Calibration

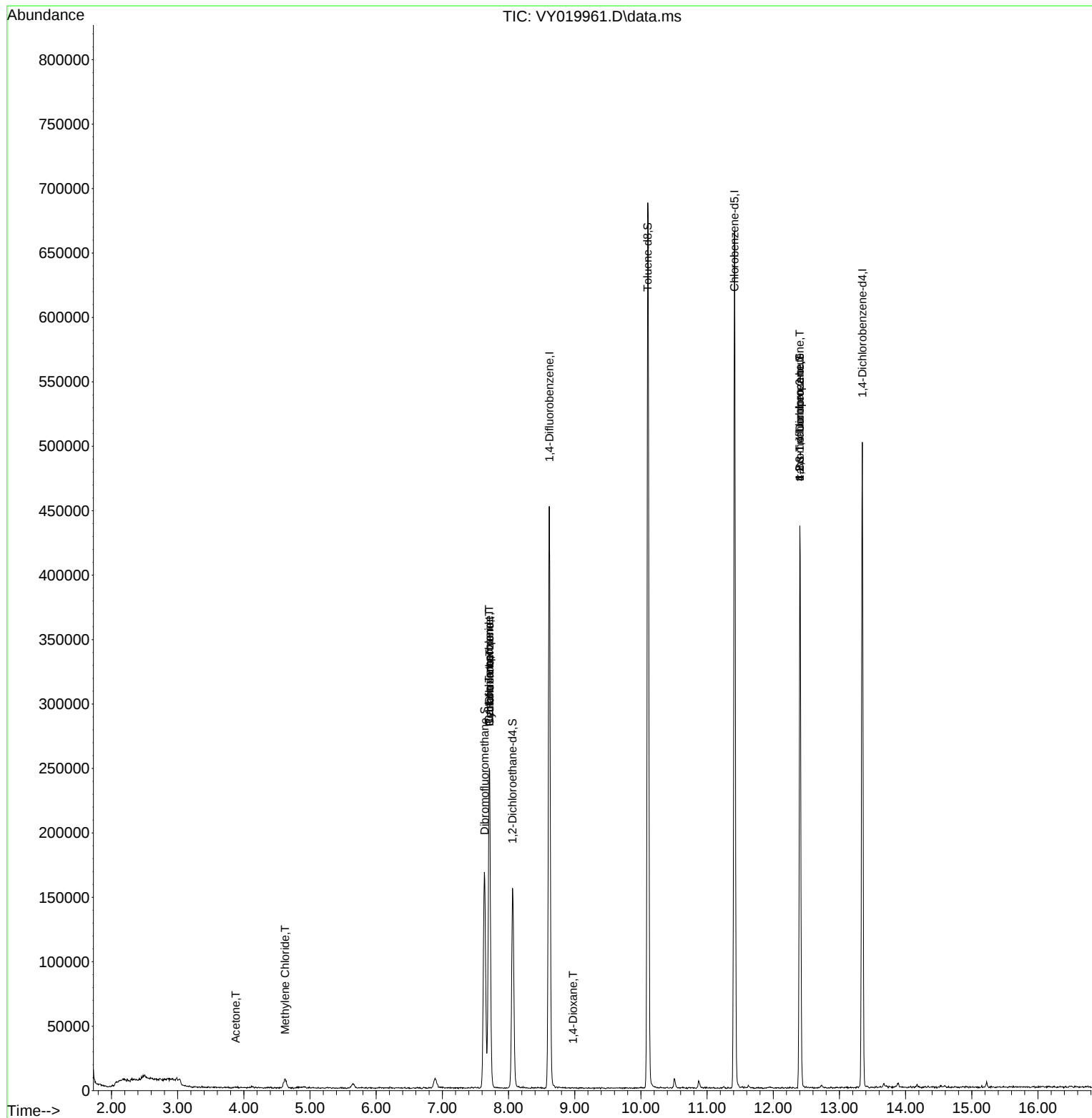
| Compound                      | R.T. QIon |                | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-----------|----------|----------|
| -----                         |           |                |          |           |          |          |
| Internal Standards            |           |                |          |           |          |          |
| 1) Pentafluorobenzene         | 7.713     | 168            | 174610   | 50.000    | ug/l     | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616     | 114            | 358114   | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117            | 319491   | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152            | 112012   | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |           |                |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65             | 121886   | 56.692    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 50 - 163 | Recovery | =         | 113.380% |          |
| 35) Dibromofluoromethane      | 7.640     | 113            | 120525   | 51.002    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 54 - 147 | Recovery | =         | 102.000% |          |
| 50) Toluene-d8                | 10.103    | 98             | 440190   | 50.441    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 58 - 134 | Recovery | =         | 100.880% |          |
| 62) 4-Bromofluorobenzene      | 12.402    | 95             | 129564   | 41.089    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000    | Range 29 - 146 | Recovery | =         | 82.180%  |          |
| Target Compounds              |           |                |          |           |          |          |
|                               |           |                |          |           |          | Qvalue   |
| 11) Tert butyl alcohol        | 4.848     | 59             | 345      | Below Cal | #        | 88       |
| 16) Acetone                   | 3.879     | 43             | 1062     | 1.898     | ug/l #   | 36       |
| 20) Methylene Chloride        | 4.622     | 84             | 4419     | 1.352     | ug/l #   | 86       |
| 31) Cyclohexane               | 7.713     | 56             | 4990     | 1.389     | ug/l #   | 21       |
| 36) 1,1-Dichloropropene       | 7.707     | 75             | 17773    | 5.220     | ug/l #   | 48       |
| 38) Carbon Tetrachloride      | 7.707     | 117            | 19269    | 5.279     | ug/l #   | 16       |
| 49) 1,4-Dioxane               | 8.975     | 88             | 19       | 1.205     | ug/l #   | 20       |
| 76) 1,2,3-Trichloropropane    | 12.402    | 75             | 77125    | 35.148    | ug/l #   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402    | 75             | 77125    | 141.870   | ug/l #   | 16       |
| -----                         |           |                |          |           |          |          |

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

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Sample : P4455-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 21 23:31:55 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 16 05:44:48 2024  
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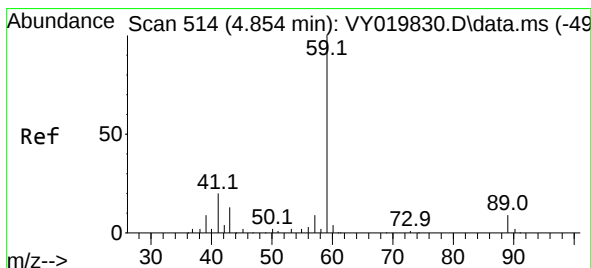
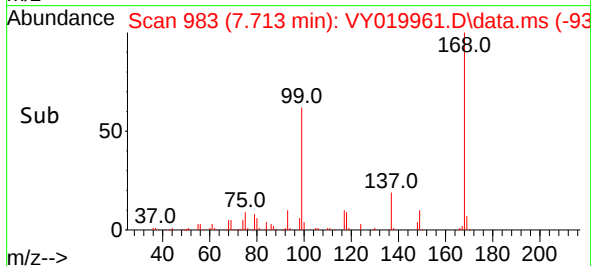
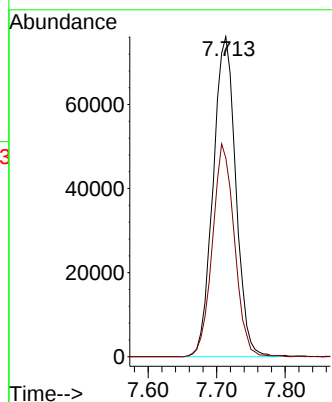
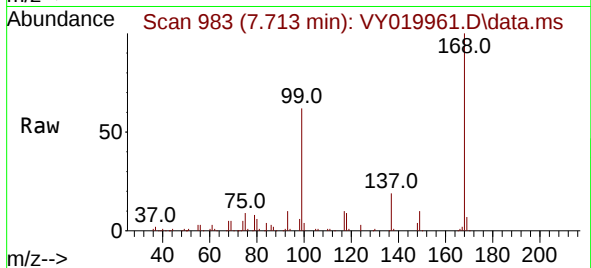




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

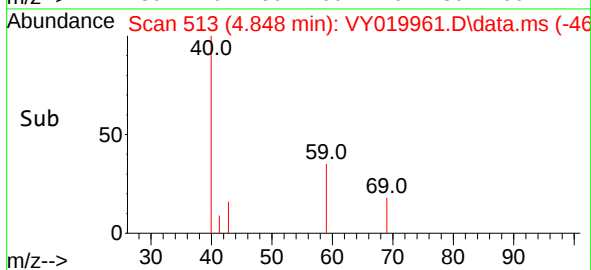
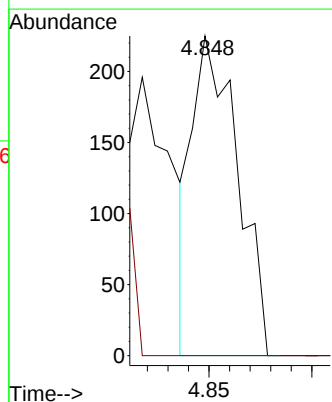
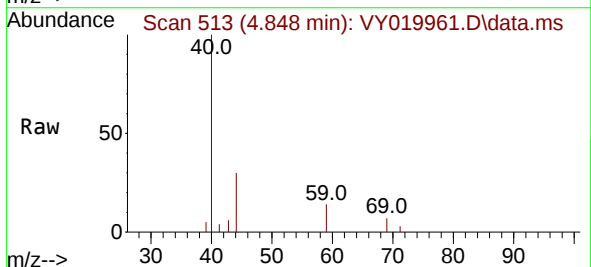
Instrument :  
MSVOA\_Y  
ClientSampleId :

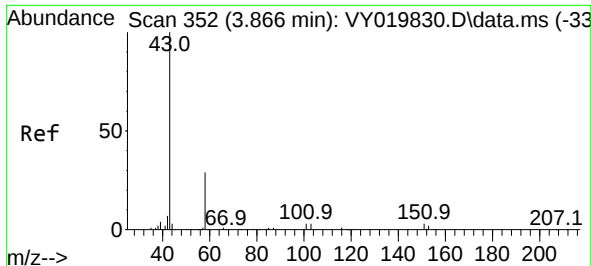
Tgt Ion:168 Resp: 174610  
Ion Ratio Lower Upper  
168 100  
99 62.1 39.1 58.7#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.848 min Scan# 513  
Delta R.T. -0.012 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

Tgt Ion: 59 Resp: 345  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#

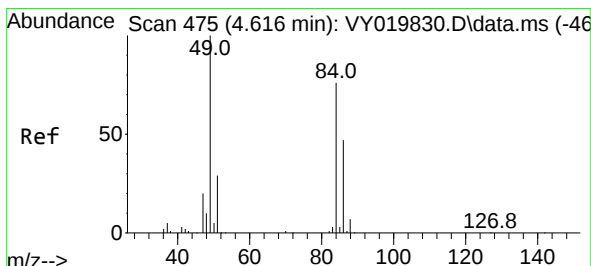
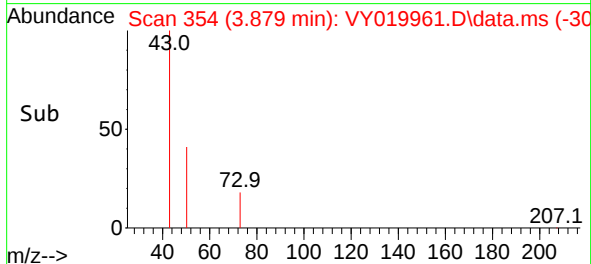
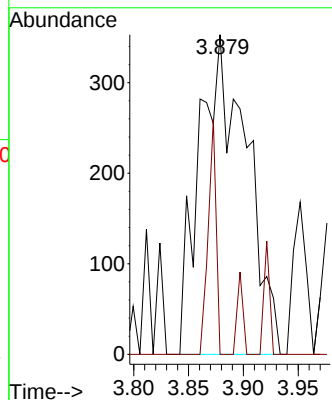
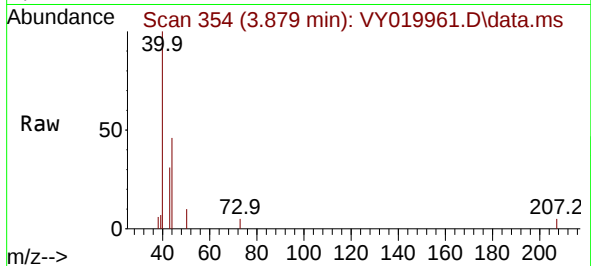




#16  
Acetone  
Concen: 1.898 ug/l  
RT: 3.879 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

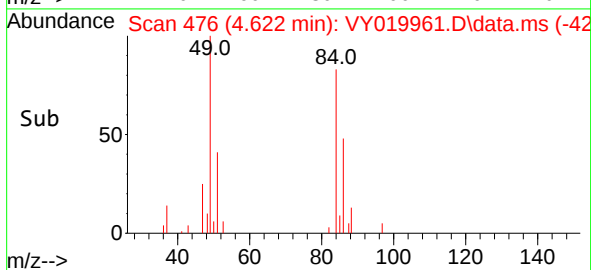
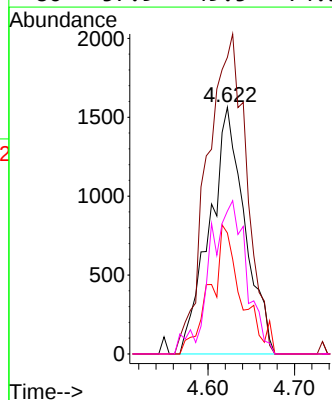
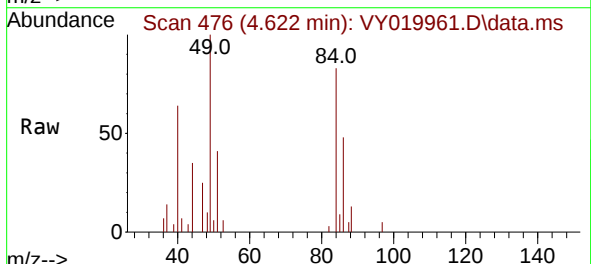
Instrument :  
MSVOA\_Y  
ClientSampleId :

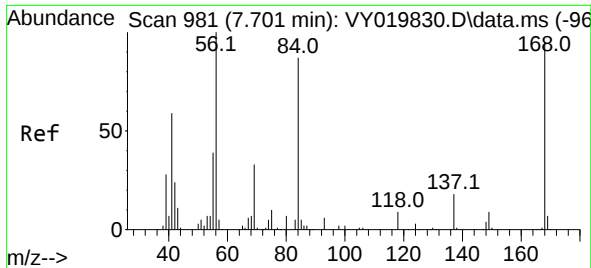
Tgt Ion: 43 Resp: 1062  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#



#20  
Methylene Chloride  
Concen: 1.352 ug/l  
RT: 4.622 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

Tgt Ion: 84 Resp: 4419  
Ion Ratio Lower Upper  
84 100  
49 120.2 84.4 126.6  
51 49.0 26.0 39.0#  
86 57.9 49.5 74.3

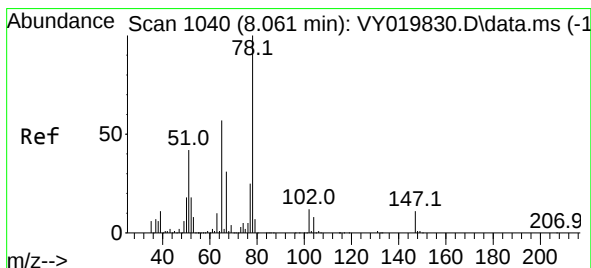
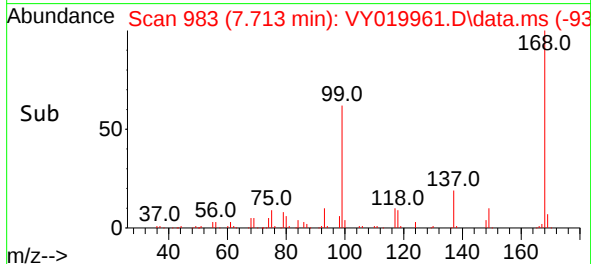
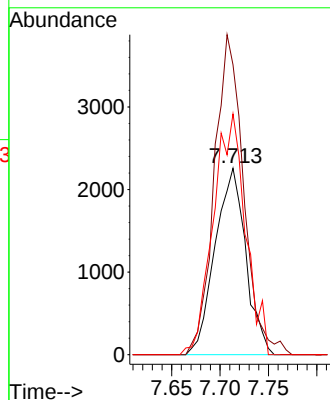
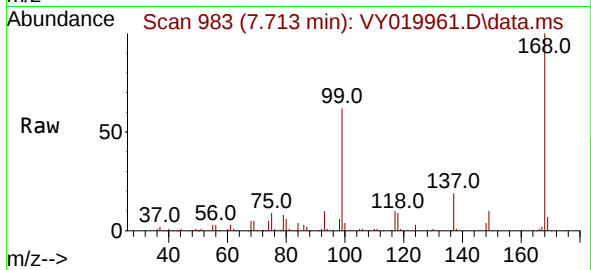




#31  
Cyclohexane  
Concen: 1.389 ug/l  
RT: 7.713 min Scan# 981  
Delta R.T. 0.013 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

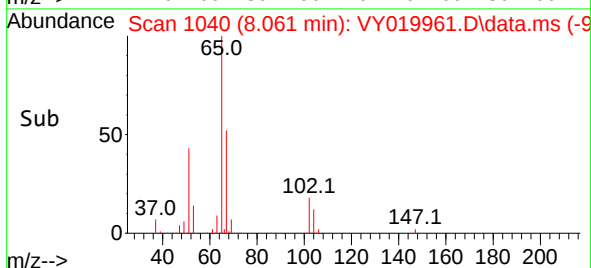
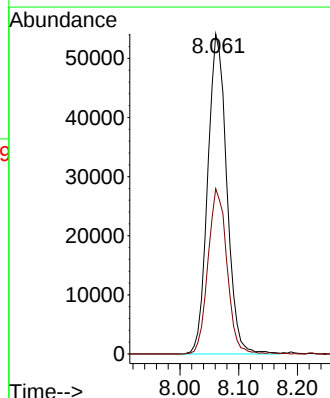
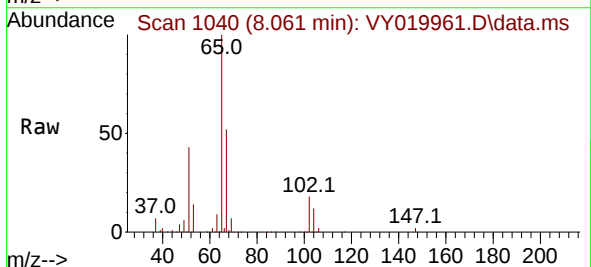
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 56 Resp: 4990  
Ion Ratio Lower Upper  
56 100  
69 155.5 28.7 43.1#  
84 129.1 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 56.692 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

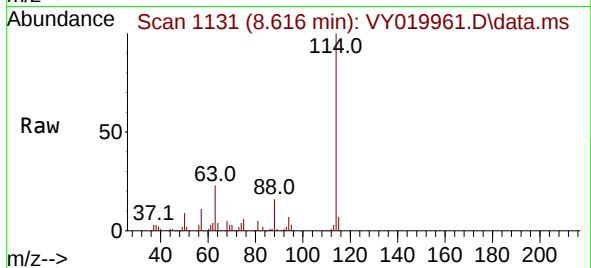
Tgt Ion: 65 Resp: 121886  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 109.6



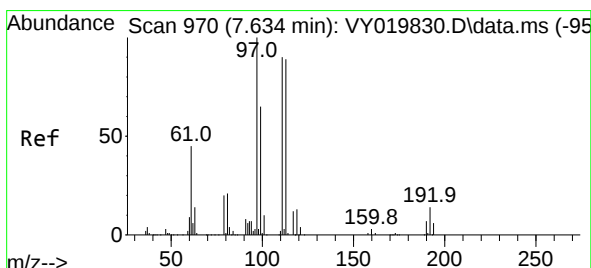
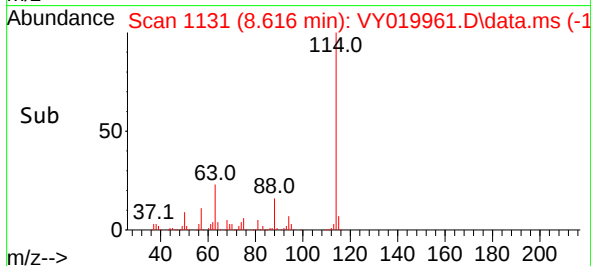
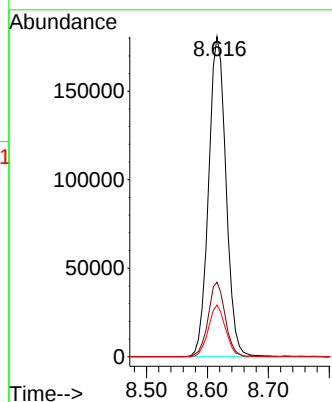


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

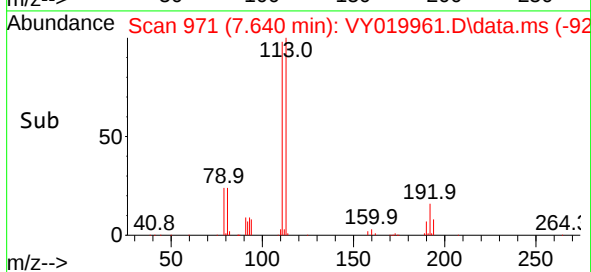
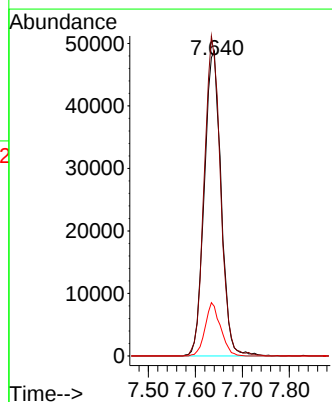
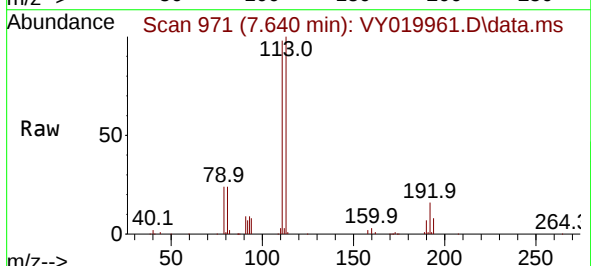


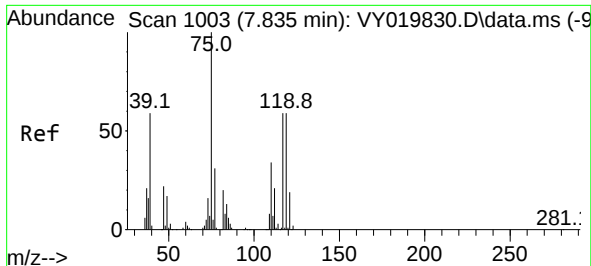
Tgt Ion:114 Resp: 358114  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 35.0  
88 16.2 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 51.002 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. 0.006 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

Tgt Ion:113 Resp: 120525  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.2 123.4  
192 16.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.220 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

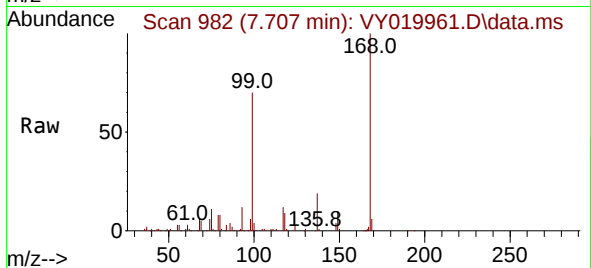
Lab File: VY019961.D

Acq: 21 Oct 2024 14:01

Instrument :

MSVOA\_Y

ClientSampleId :



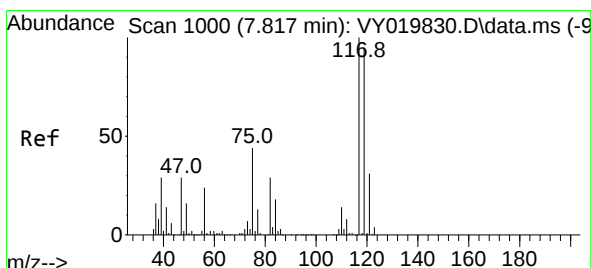
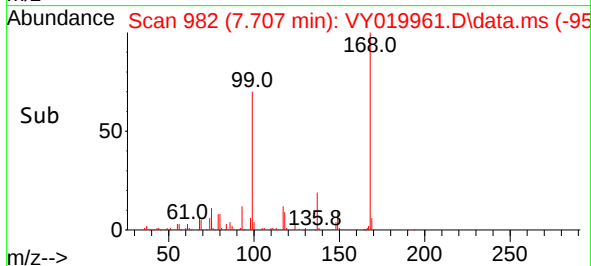
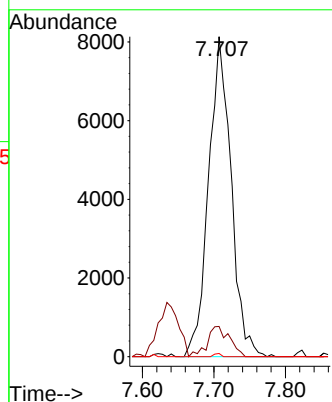
Tgt Ion: 75 Resp: 17773

Ion Ratio Lower Upper

75 100

110 8.9 19.0 57.0#

77 0.3 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.279 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.109 min

Lab File: VY019961.D

Acq: 21 Oct 2024 14:01

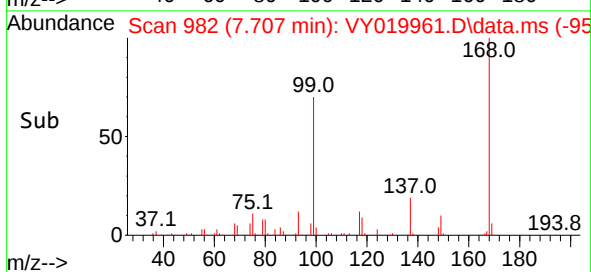
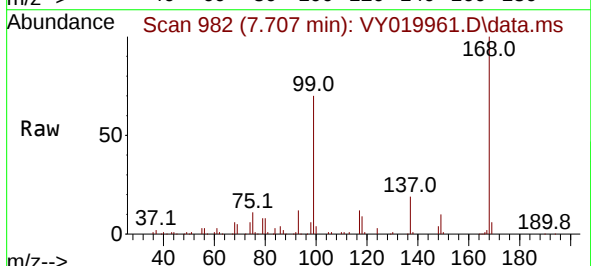
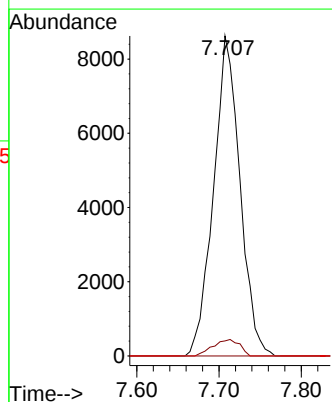
Tgt Ion: 117 Resp: 19269

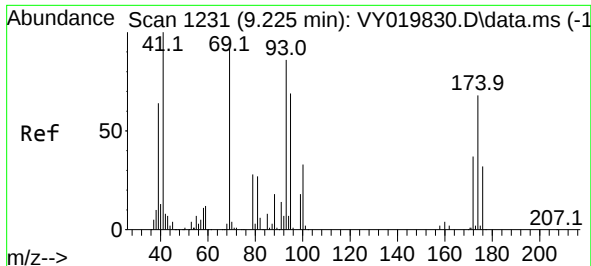
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.205 ug/l

RT: 8.975 min Scan# 1190

Delta R.T. -0.256 min

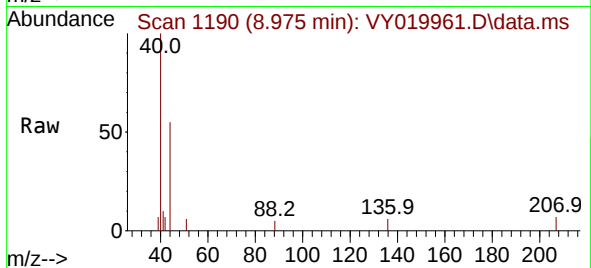
Lab File: VY019961.D

Acq: 21 Oct 2024 14:01

Instrument :

MSVOA\_Y

ClientSampleId :



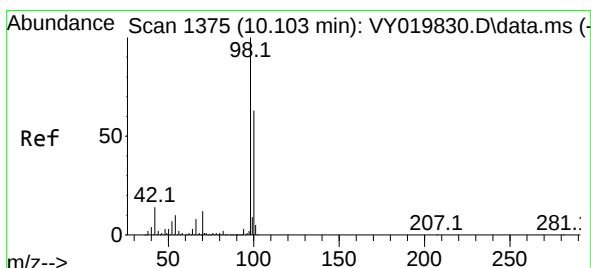
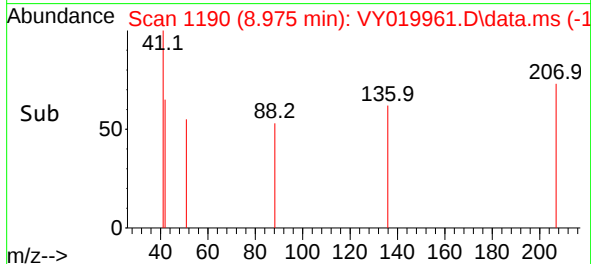
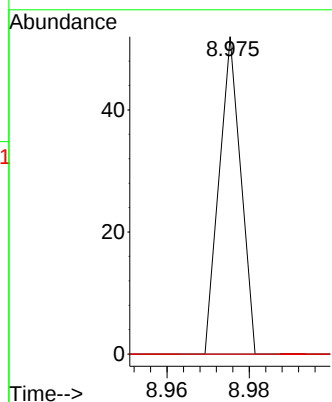
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 50.441 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019961.D

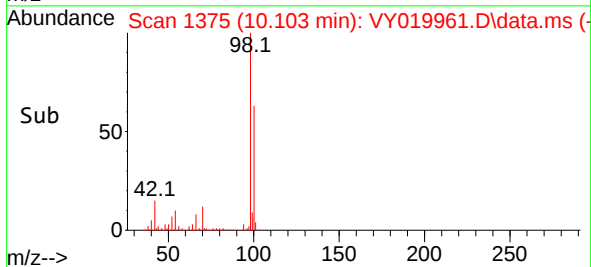
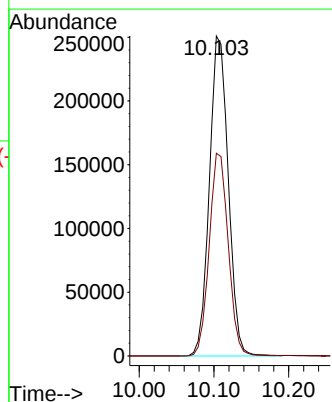
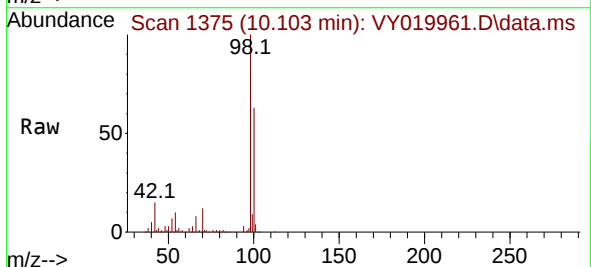
Acq: 21 Oct 2024 14:01

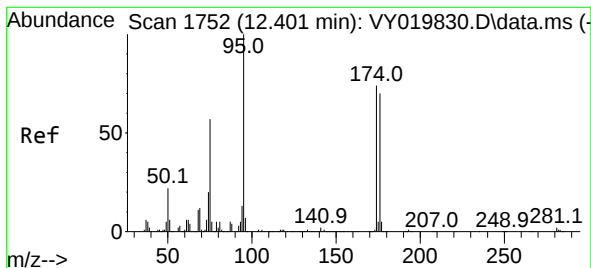
Tgt Ion: 98 Resp: 440190

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0

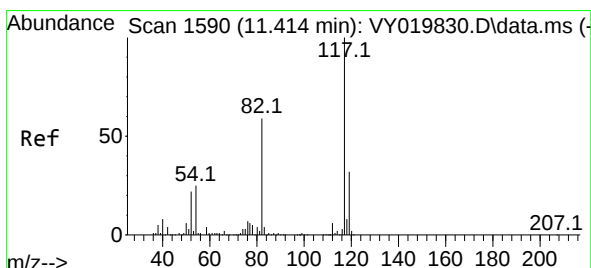
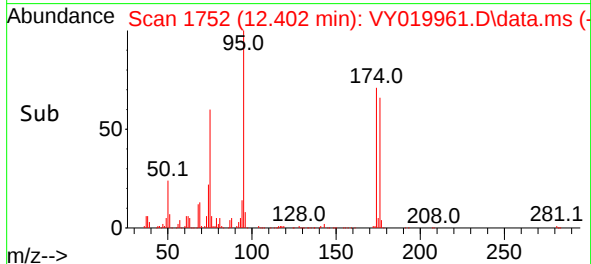
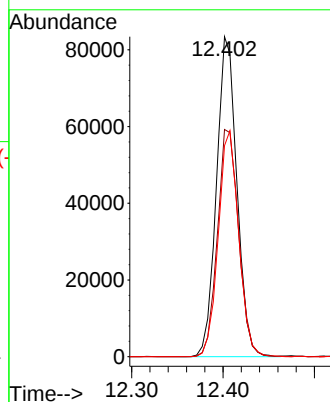
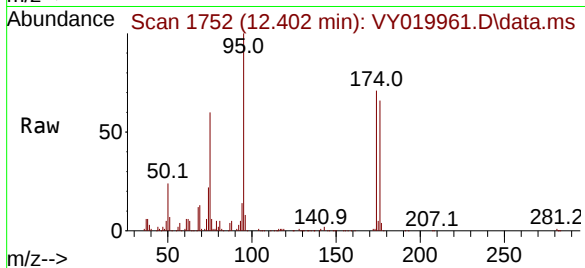




#62  
4-Bromofluorobenzene  
Concen: 41.089 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

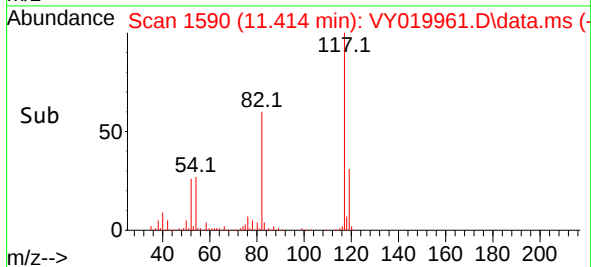
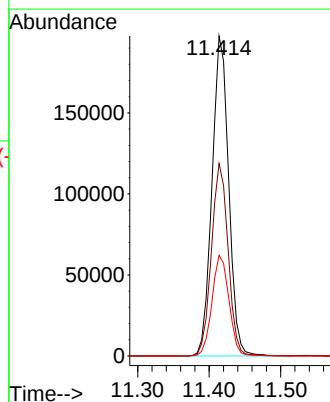
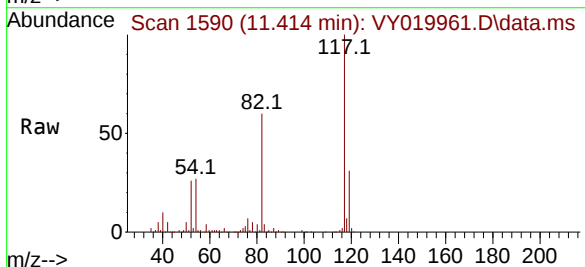
Instrument :  
MSVOA\_Y  
ClientSampleId :

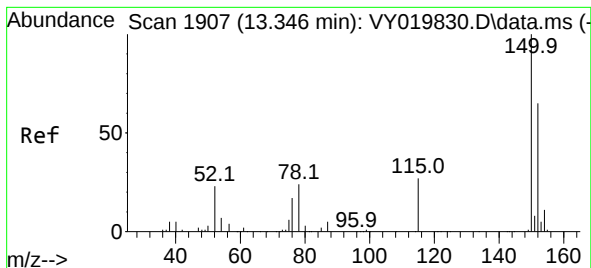
Tgt Ion: 95 Resp: 129564  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 175.6  
176 70.6 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

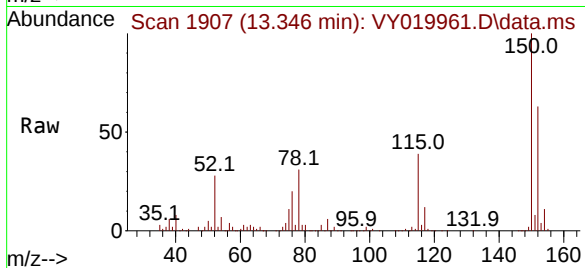
Tgt Ion: 117 Resp: 319491  
Ion Ratio Lower Upper  
117 100  
82 60.1 42.4 63.6  
119 31.5 25.9 38.9



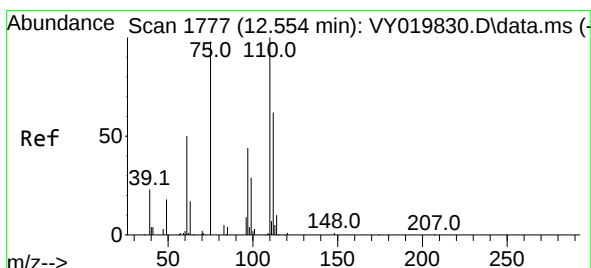
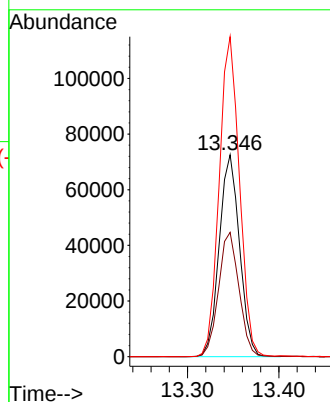
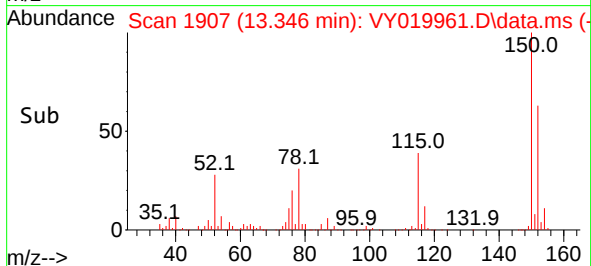


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

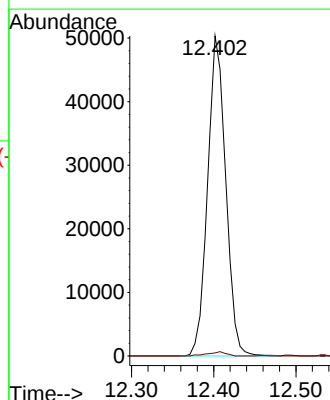
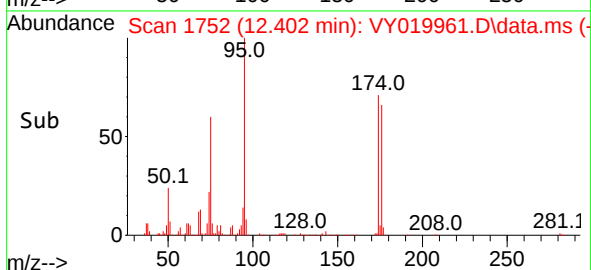
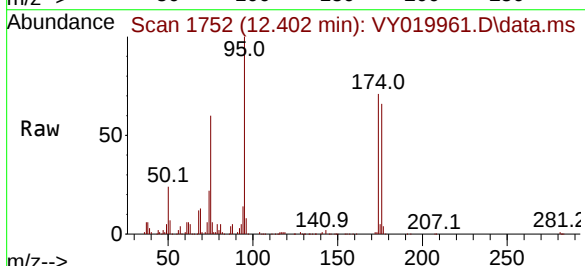


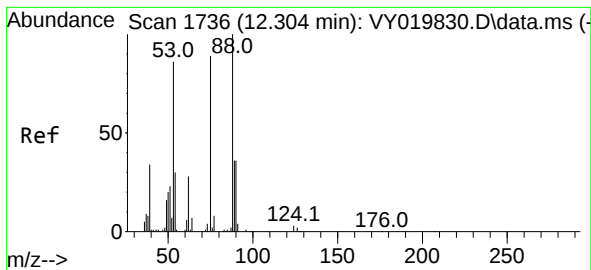
Tgt Ion:152 Resp: 112012  
Ion Ratio Lower Upper  
152 100  
115 62.3 28.2 84.7  
150 158.4 0.0 345.6



#76  
1,2,3-Trichloropropane  
Concen: 35.148 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.158 min  
Lab File: VY019961.D  
Acq: 21 Oct 2024 14:01

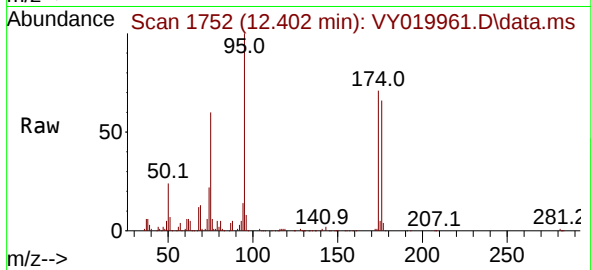
Tgt Ion: 75 Resp: 77125  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 141.870 ug/l  
 RT: 12.402 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY019961.D  
 Acq: 21 Oct 2024 14:01

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 66.8  | 100.2# |
| 89      | 0.1   | 35.8  | 53.6#  |

