

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081324\  
 Data File : VY019022.D  
 Acq On : 13 Aug 2024 12:15  
 Operator : SY/MD  
 Sample : P3518-27  
 Misc : 4.32g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 14 01:35:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080824S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 09 04:24:33 2024  
 Response via : Initial Calibration

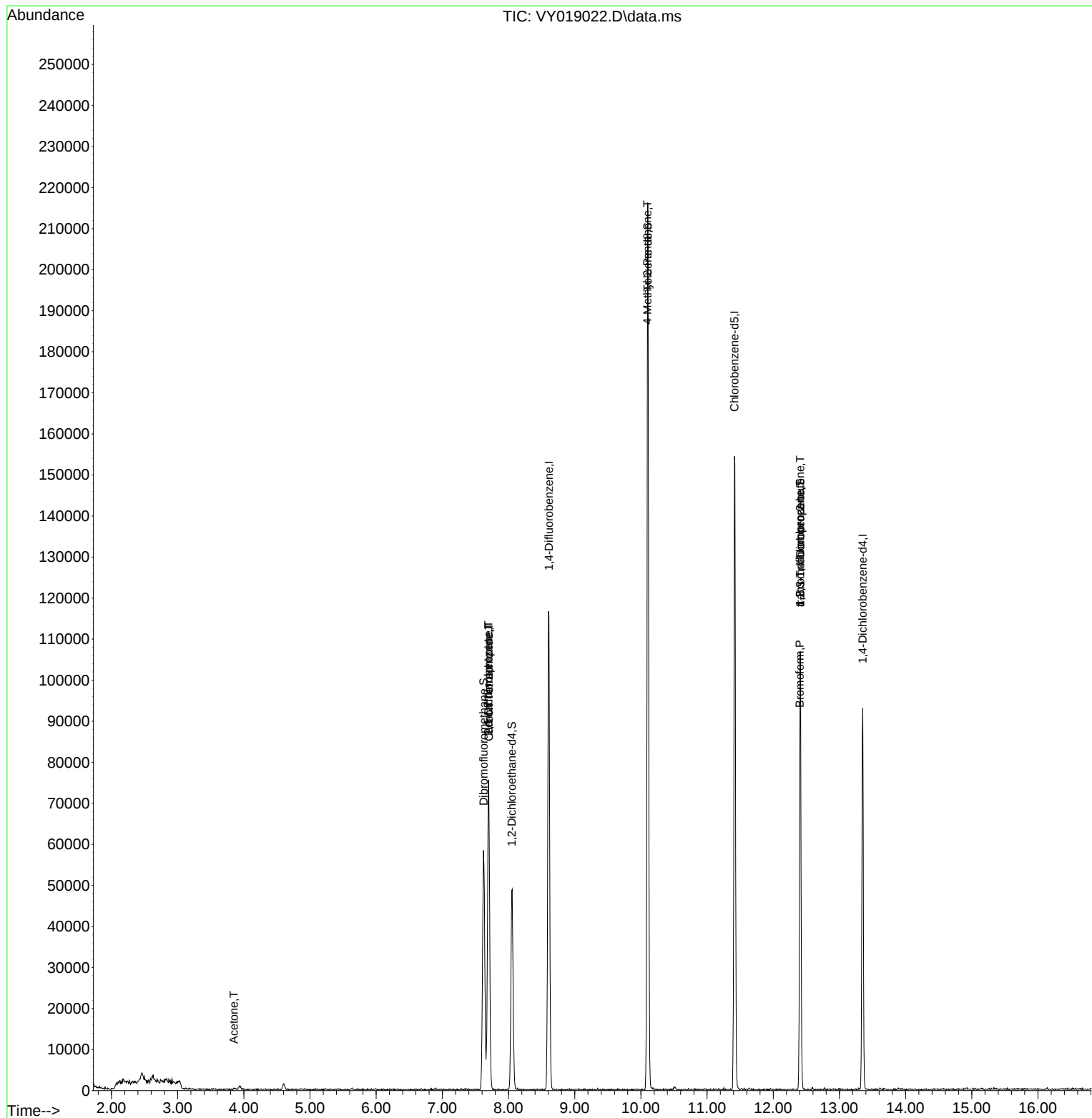
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.695  | 168   | 62143    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.610  | 114   | 102299   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 77140    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353 | 152   | 21323    | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.049  | 65    | 30241    | 55.426    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 110.860% |          |
| 35) Dibromofluoromethane      | 7.622  | 113   | 37121    | 56.815    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 113.620% |          |
| 50) Toluene-d8                | 10.103 | 98    | 130059   | 51.824    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 103.640% |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 26049    | 34.986    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 69.980%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 2.074  | 50    | 97       | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 4.836  | 59    | 66       | Below Cal | #          | 88       |
| 16) Acetone                   | 3.848  | 43    | 184      | 13.765    | ug/l #     | 79       |
| 20) Methylene Chloride        | 4.604  | 84    | 699      | Below Cal | #          | 76       |
| 31) Cyclohexane               | 7.701  | 56    | 1519     | Below Cal | #          | 69       |
| 36) 1,1-Dichloropropene       | 7.695  | 75    | 4260     | 4.857     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.701  | 117   | 5500     | 5.469     | ug/l #     | 15       |
| 41) Methacrylonitrile         | 7.232  | 41    | 32       | Below Cal | #          | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.097 | 43    | 660      | 1.570     | ug/l #     | 1        |
| 71) Bromoform                 | 12.402 | 173   | 324      | 1.052     | ug/l #     | 27       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 14911    | 93.867    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 14911    | 193.421   | ug/l #     | 16       |
| -----                         |        |       |          |           |            |          |

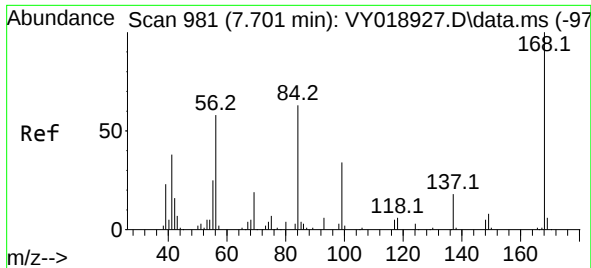
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081324\  
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Sample : P3518-27  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 14 01:35:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080824S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 09 04:24:33 2024  
Response via : Initial Calibration

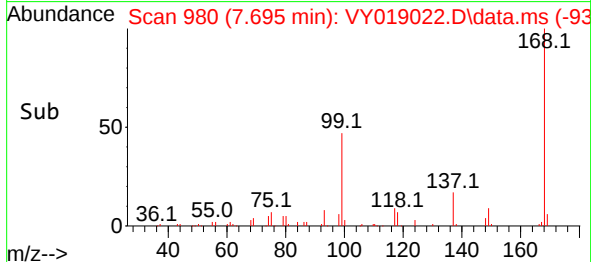
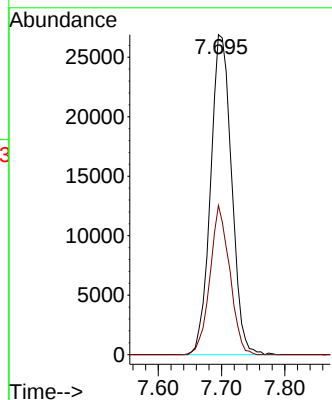
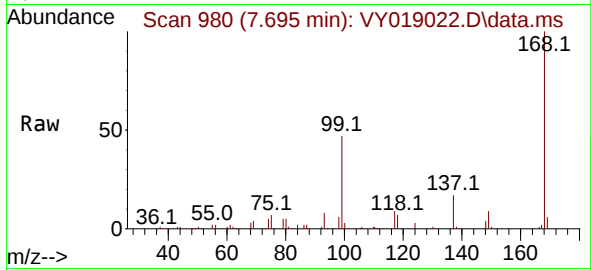




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

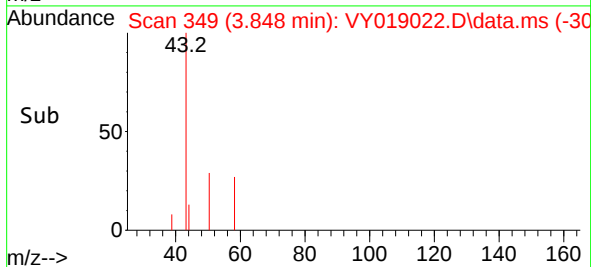
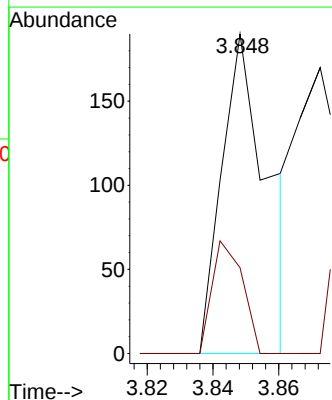
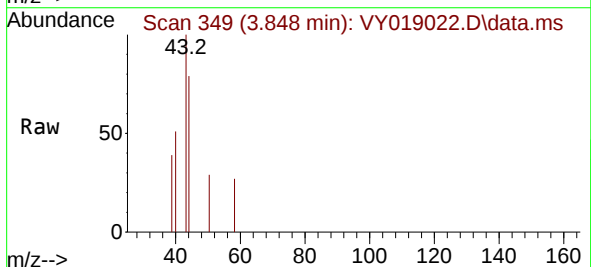
Instrument :  
MSVOA\_Y  
ClientSampleId :

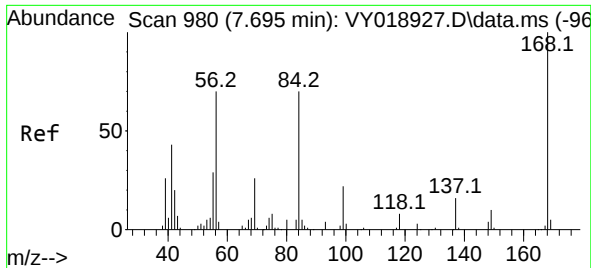
Tgt Ion:168 Resp: 62143  
Ion Ratio Lower Upper  
168 100  
99 46.7 39.1 58.7



#16  
Acetone  
Concen: 13.765 ug/l  
RT: 3.848 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

Tgt Ion: 43 Resp: 184  
Ion Ratio Lower Upper  
43 100  
58 26.8 31.7 47.5#

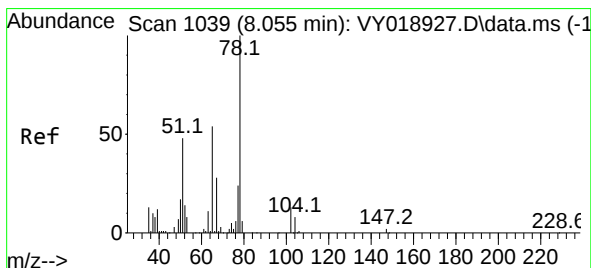
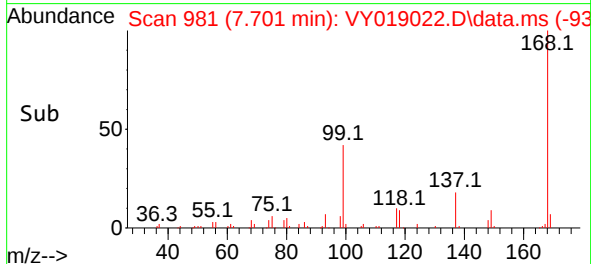
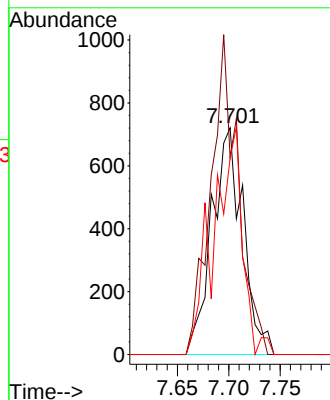
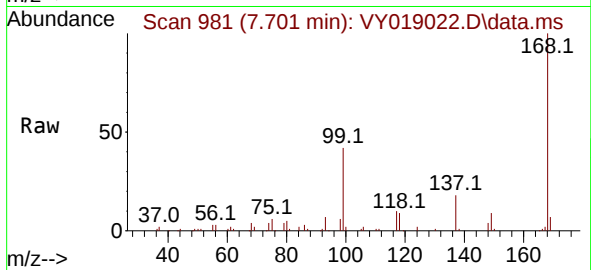




#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.701 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

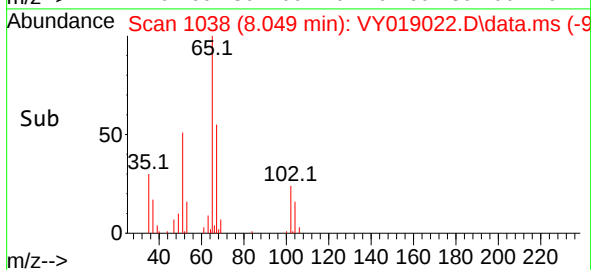
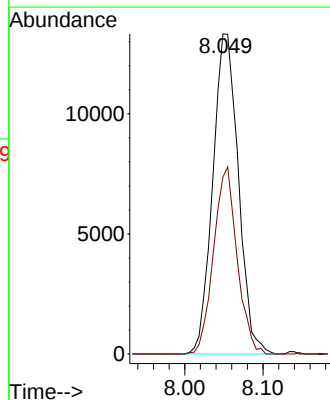
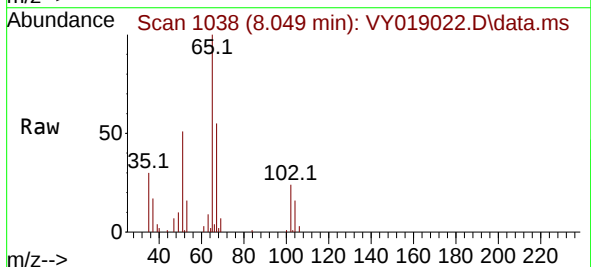
Instrument :  
MSVOA\_Y  
ClientSampleId :

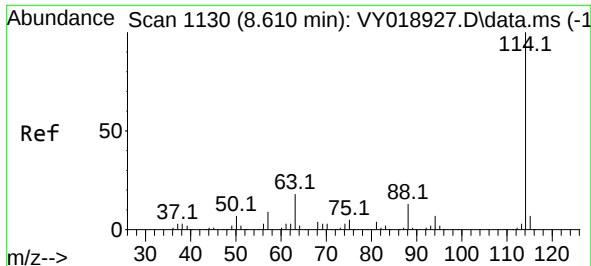
Tgt Ion: 56 Resp: 1519  
Ion Ratio Lower Upper  
56 100  
69 87.0 28.7 43.1#  
84 86.7 77.7 116.5



#33  
1,2-Dichloroethane-d4  
Concen: 55.426 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

Tgt Ion: 65 Resp: 30241  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 109.6

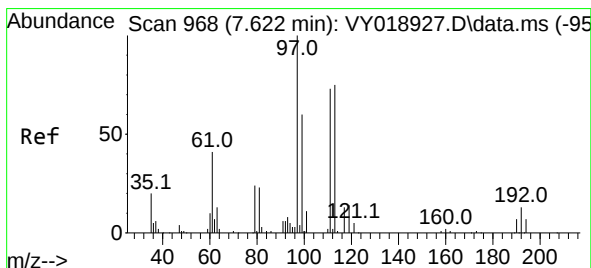
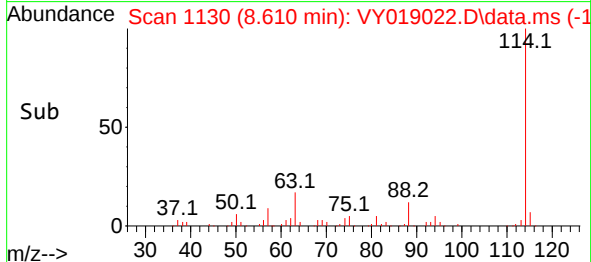
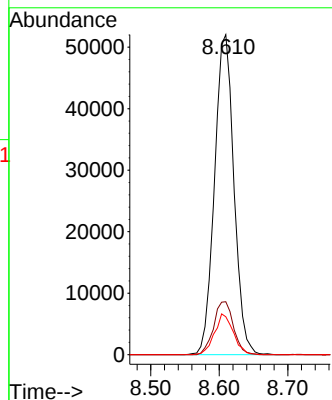
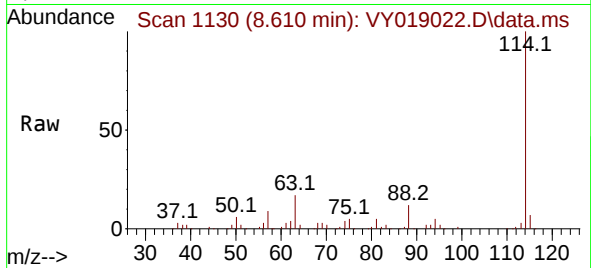




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.610 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

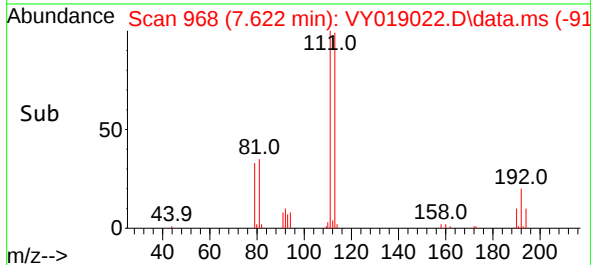
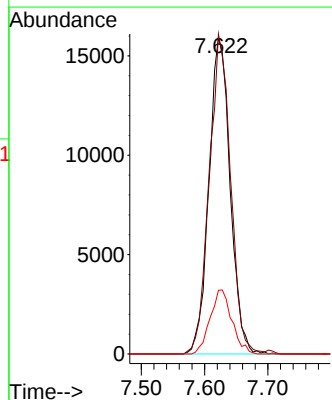
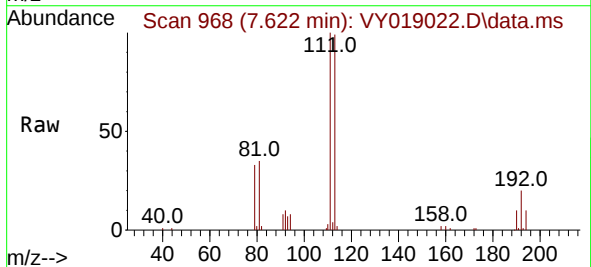
Instrument :  
MSVOA\_Y  
ClientSampleId :

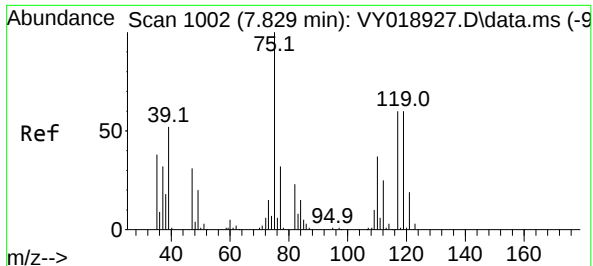
Tgt Ion:114 Resp: 102299  
Ion Ratio Lower Upper  
114 100  
63 16.5 0.0 35.0  
88 11.8 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 56.815 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

Tgt Ion:113 Resp: 37121  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.2 123.4  
192 20.7 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.857 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.134 min

Lab File: VY019022.D

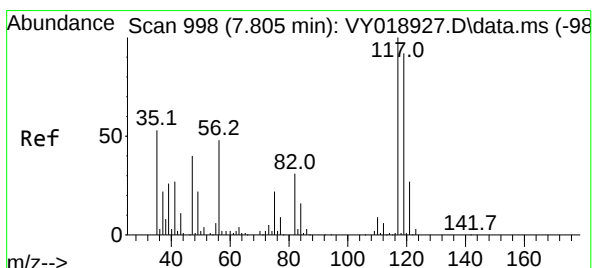
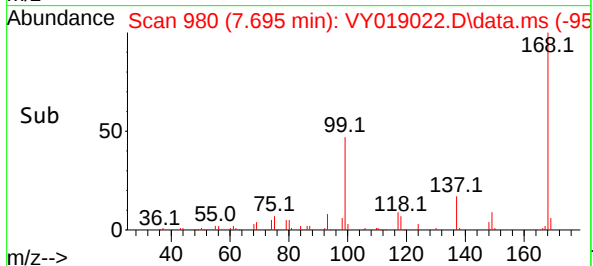
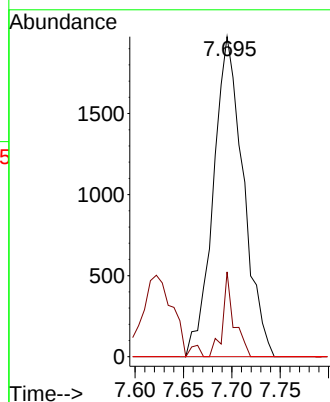
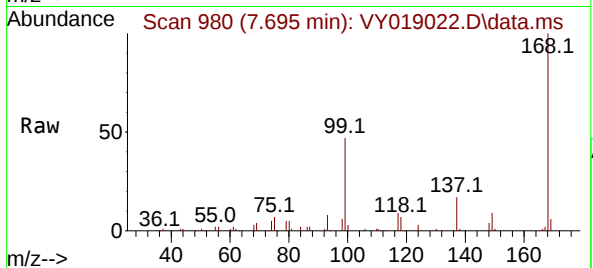
Acq: 13 Aug 2024 12:15

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 4260       |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 110         | 10.0  | 19.0 57.0# |
| 77          | 0.0   | 25.3 37.9# |



#38

Carbon Tetrachloride

Concen: 5.469 ug/l

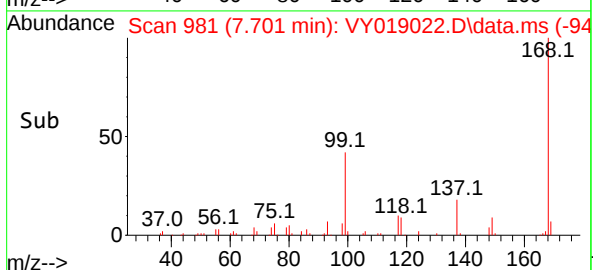
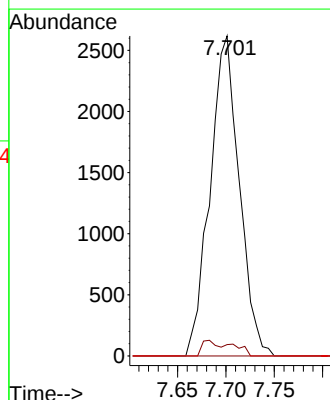
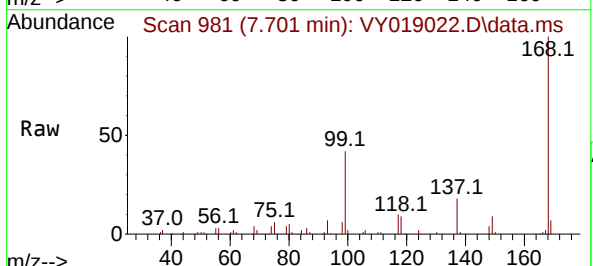
RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY019022.D

Acq: 13 Aug 2024 12:15

|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 117 | Resp: | 5500        |
| Ion Ratio    | Lower | Upper       |
| 117          | 100   |             |
| 119          | 3.6   | 75.8 113.6# |
| 121          | 0.0   | 24.0 36.0#  |

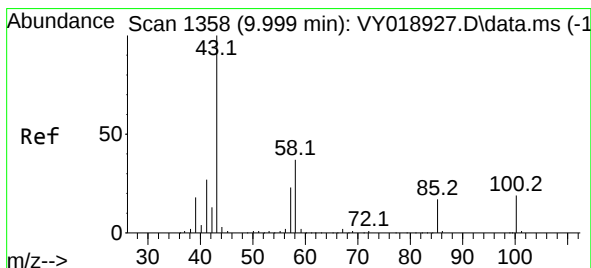
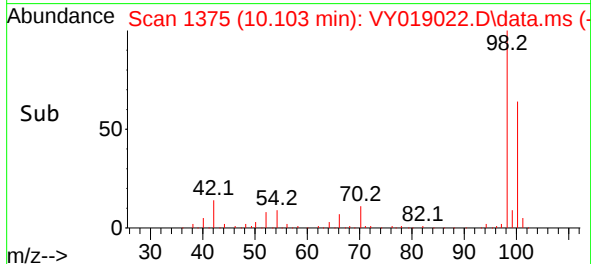
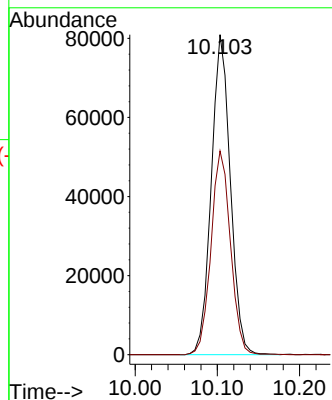
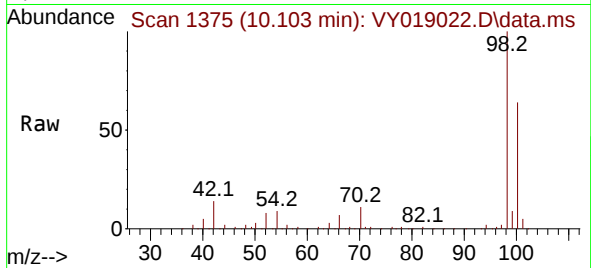




#50  
Toluene-d8  
Concen: 51.824 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

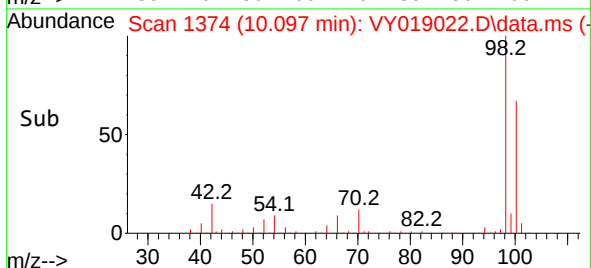
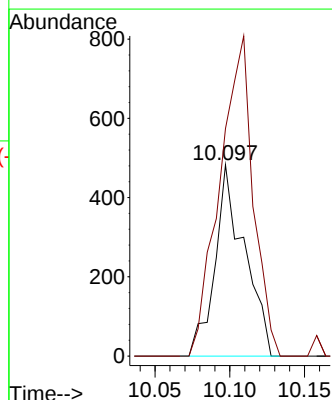
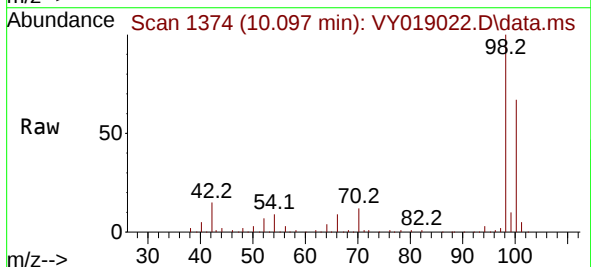
Instrument :  
MSVOA\_Y  
ClientSampleId :

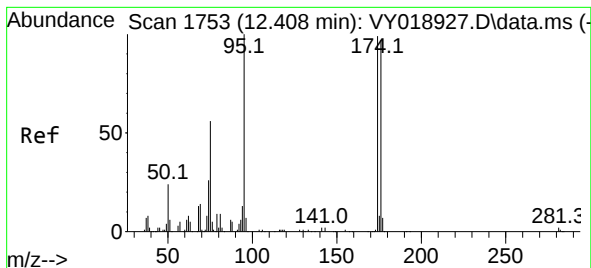
Tgt Ion: 98 Resp: 130059  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 1.570 ug/l  
RT: 10.097 min Scan# 1374  
Delta R.T. 0.098 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

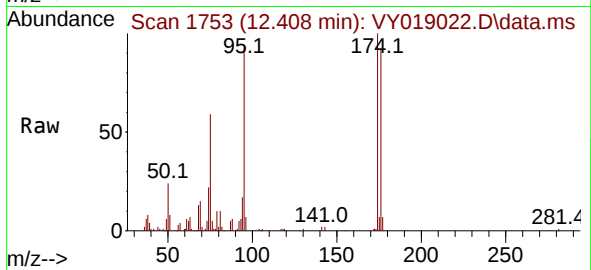
Tgt Ion: 43 Resp: 660  
Ion Ratio Lower Upper  
43 100  
58 190.3 35.7 53.5#



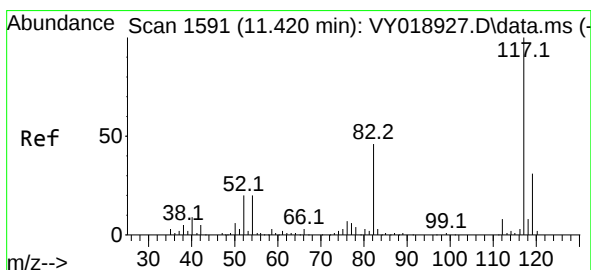
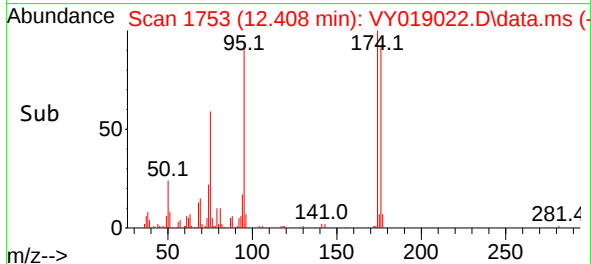
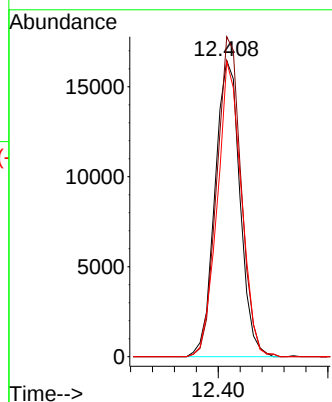


#62  
4-Bromofluorobenzene  
Concen: 34.986 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

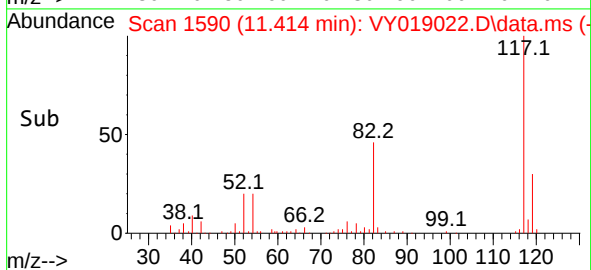
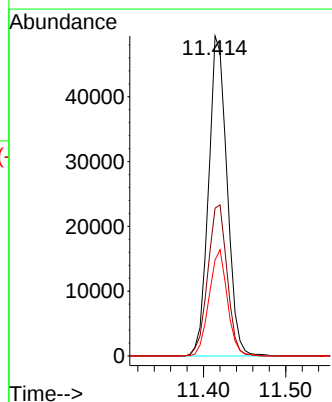
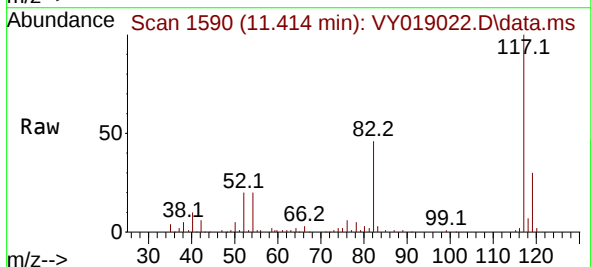


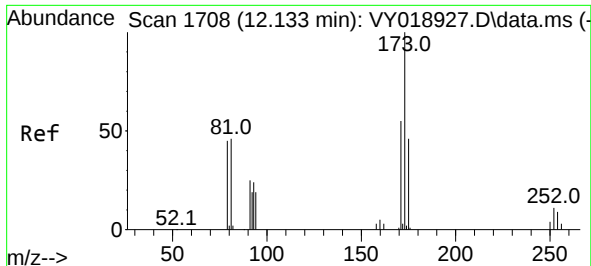
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 105.3 | 0.0   | 175.6 |
| 176     | 96.4  | 0.0   | 171.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 46.2  | 42.4  | 63.6  |
| 119     | 30.1  | 25.9  | 38.9  |

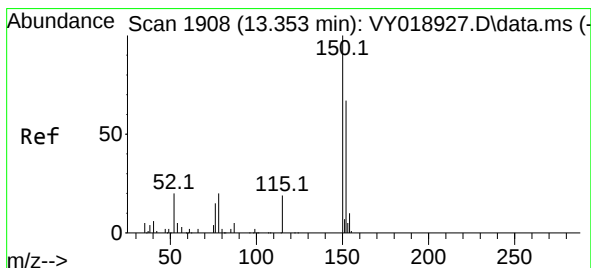
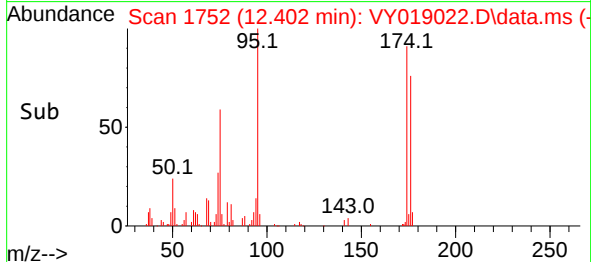
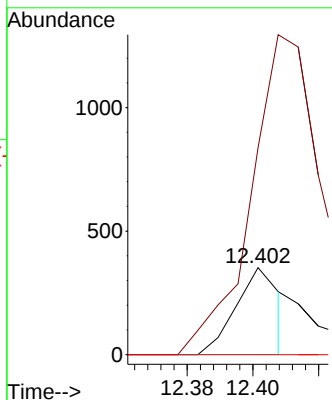
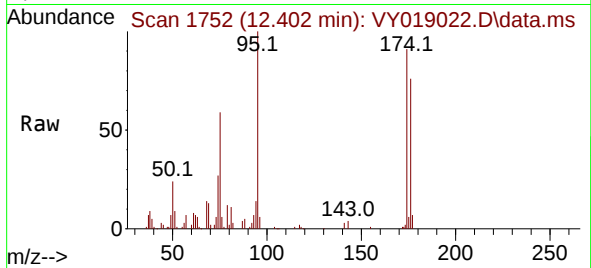




#71  
Bromoform  
Concen: 1.052 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.268 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

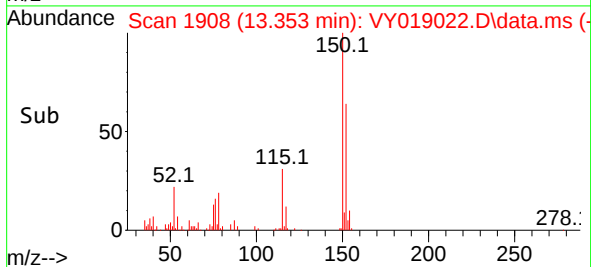
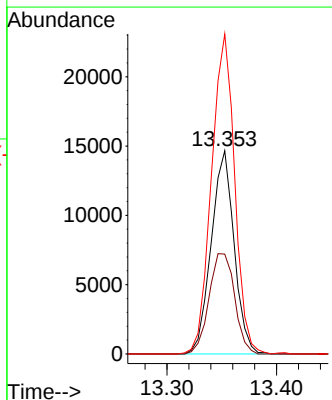
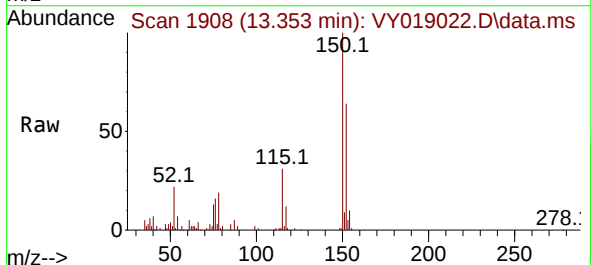
Instrument :  
MSVOA\_Y  
ClientSampleId :

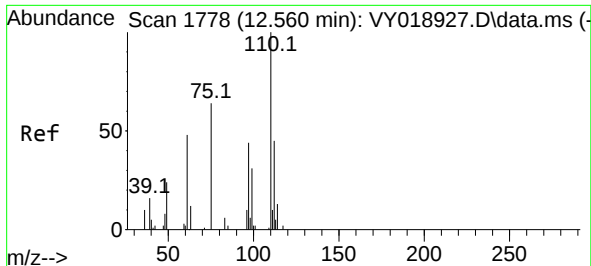
Tgt Ion:173 Resp: 324  
Ion Ratio Lower Upper  
173 100  
175 0.0 25.1 75.3#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.353 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

Tgt Ion:152 Resp: 21323  
Ion Ratio Lower Upper  
152 100  
115 55.0 28.2 84.7  
150 159.0 0.0 345.6

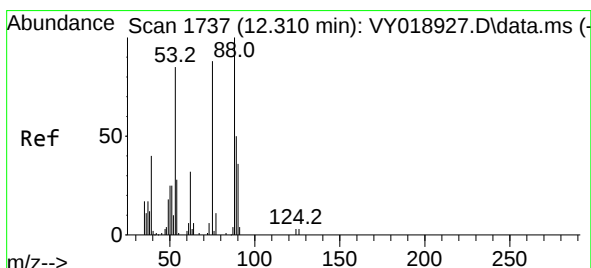
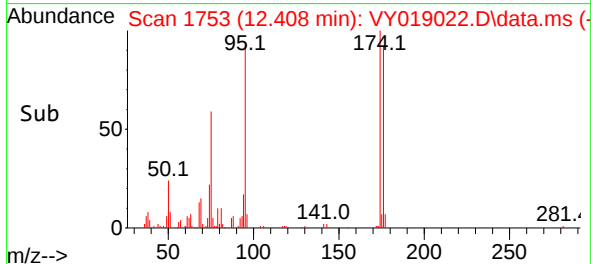
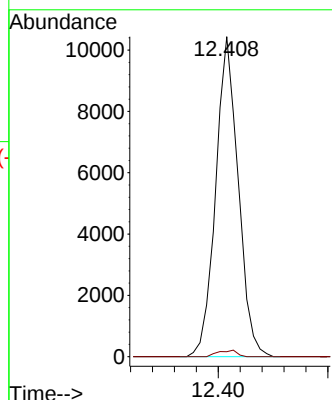
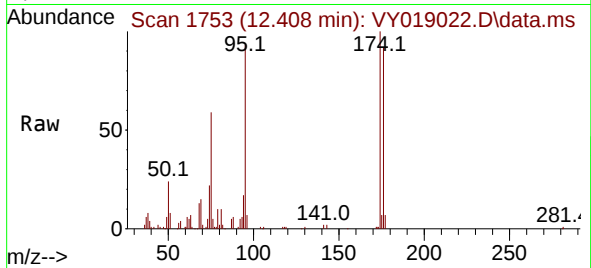




#76  
1,2,3-Trichloropropane  
Concen: 93.867 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.152 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 14911  
Ion Ratio Lower Upper  
75 100  
77 1.7 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 193.421 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.098 min  
Lab File: VY019022.D  
Acq: 13 Aug 2024 12:15

Tgt Ion: 75 Resp: 14911  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#

