

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051322\  
 Data File : VY008754.D  
 Acq On : 13 May 2022 17:11  
 Operator : KP/MD  
 Sample : N2781-19  
 Misc : 5.20g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P018-SS001-0006-01MSD

Quant Time: May 16 05:53:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 13 02:08:33 2022  
 Response via : Initial Calibration

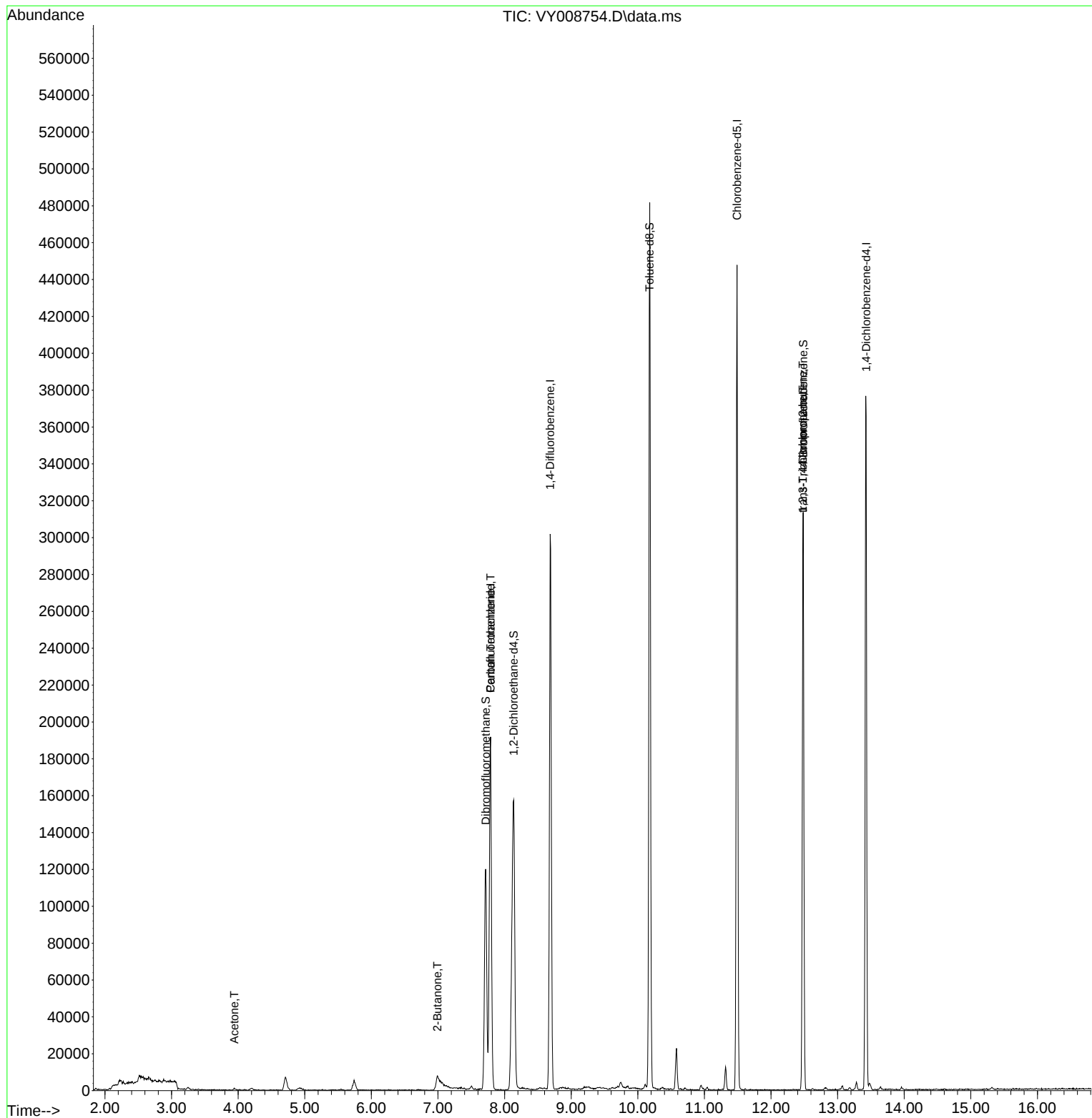
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 143350   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 258220   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 230211   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 94641    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 91400    | 64.023    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 128.040% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 81818    | 52.792    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 105.580% |          |
| 50) Toluene-d8                | 10.179    | 98    | 306849   | 52.500    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 105.000% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 85738    | 42.340    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 84.680%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.119     | 50    | 511      | Below Cal | #          | 67       |
| 4) Vinyl Chloride             | 2.247     | 62    | 195      | Below Cal | #          | 41       |
| 5) Bromomethane               | 2.668     | 94    | 860      | Below Cal |            | 93       |
| 6) Chloroethane               | 2.784     | 64    | 56       | Below Cal | #          | 42       |
| 16) Acetone                   | 3.942     | 43    | 1444     | 1.613     | ug/l #     | 66       |
| 18) Methyl Acetate            | 4.479     | 43    | 19       | Below Cal | #          | 49       |
| 20) Methylene Chloride        | 4.716     | 84    | 5163     | Below Cal |            | 98       |
| 25) 2-Butanone                | 6.990     | 43    | 605      | 1.195     | ug/l #     | 43       |
| 31) Cyclohexane               | 7.789     | 56    | 3334     | Below Cal | #          | 29       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 15113    | 5.780     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 49605    | 52.087    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 49605    | 100.626   | ug/l #     | 16       |
| -----                         |           |       |          |           |            |          |

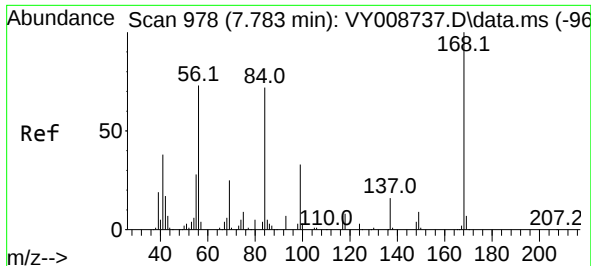
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051322\  
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MSVOA\_Y  
ClientSampleId :  
P018-SS001-0006-01MSD

Quant Time: May 16 05:53:39 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051222S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 13 02:08:33 2022  
Response via : Initial Calibration

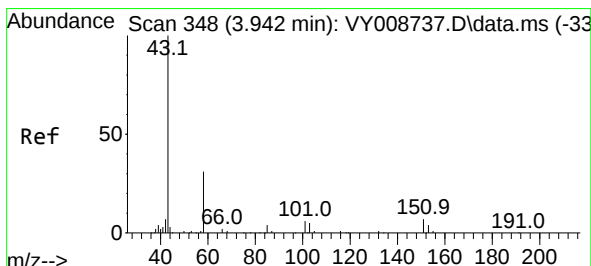
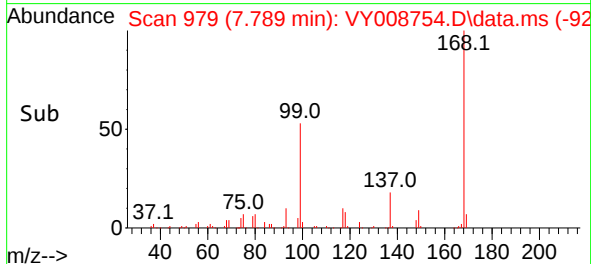
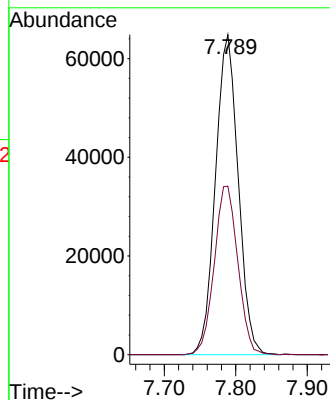
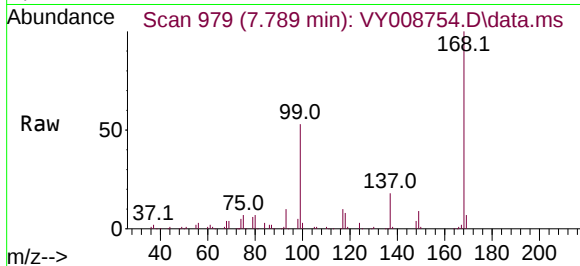




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11

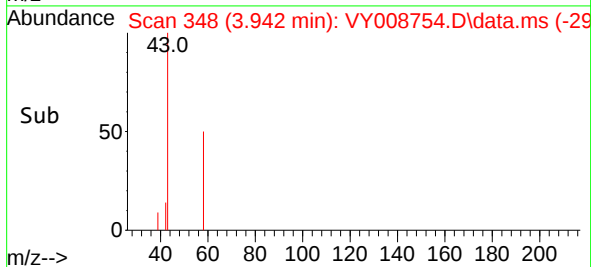
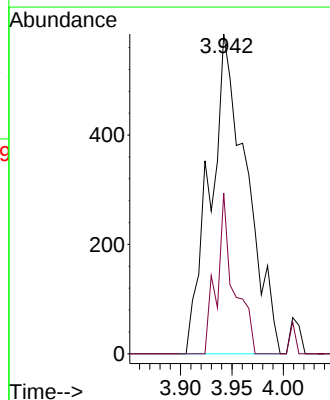
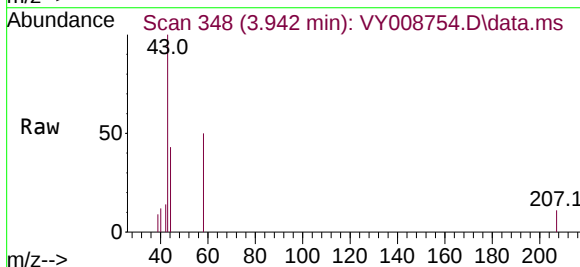
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P018-SS001-0006-01MSD

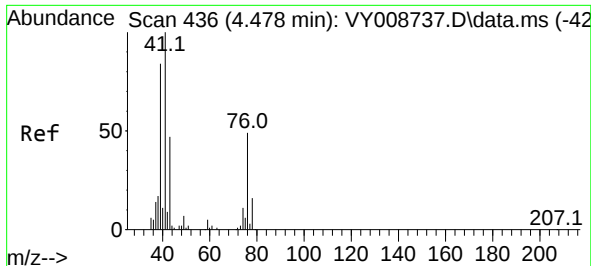
Tgt Ion:168 Resp: 143350  
Ion Ratio Lower Upper  
168 100  
99 52.7 42.3 63.5



#16  
Acetone  
Concen: 1.613 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11

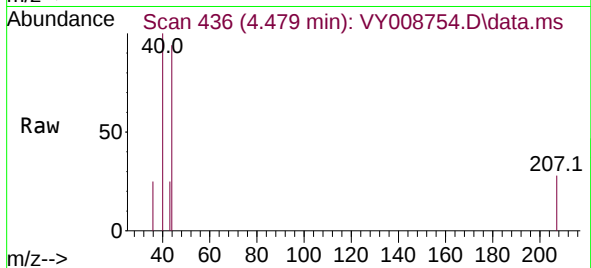
Tgt Ion: 43 Resp: 1444  
Ion Ratio Lower Upper  
43 100  
58 50.3 25.1 37.7#



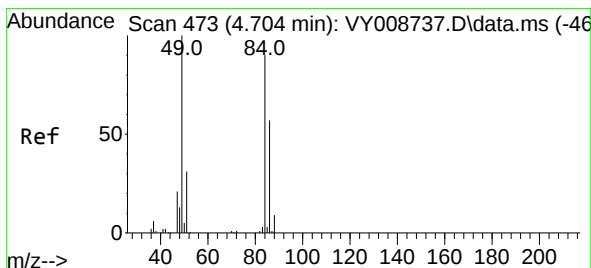
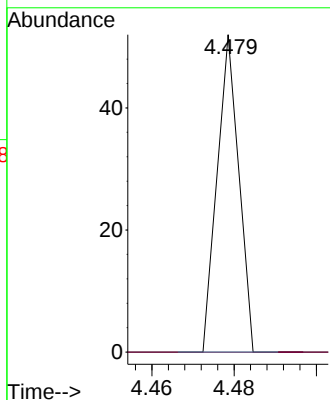
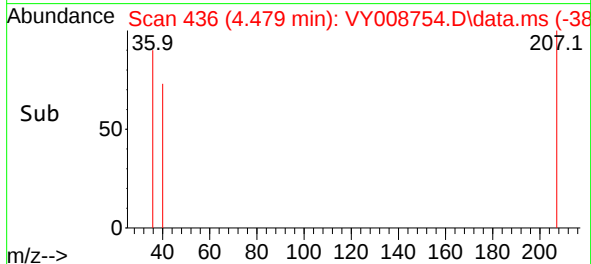


#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.479 min Scan# 41  
Delta R.T. 0.001 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11

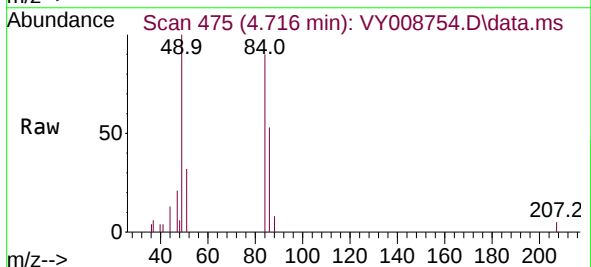
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P018-SS001-0006-01MSD



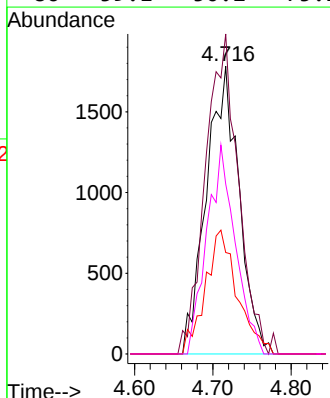
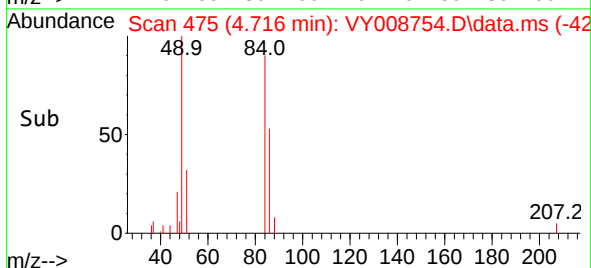
Tgt Ion: 43 Resp: 19  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.6 31.0#

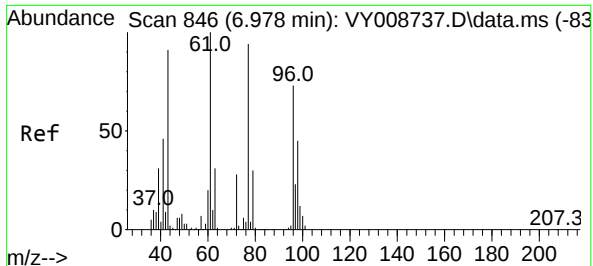


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.012 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11



Tgt Ion: 84 Resp: 5163  
Ion Ratio Lower Upper  
84 100  
49 111.2 88.6 133.0  
51 35.3 27.4 41.0  
86 59.1 50.2 75.2

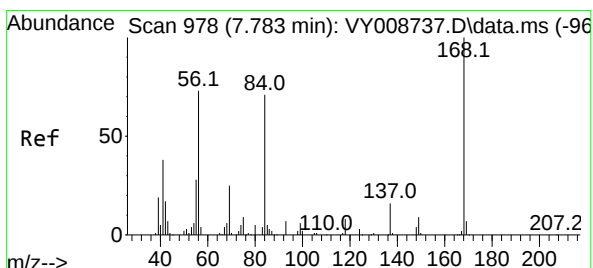
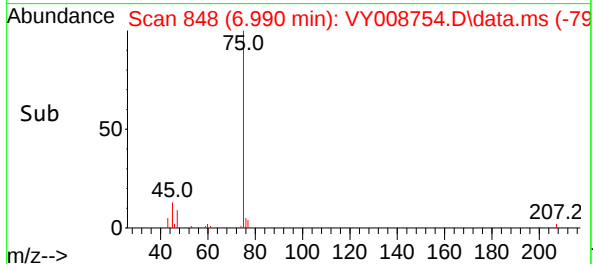
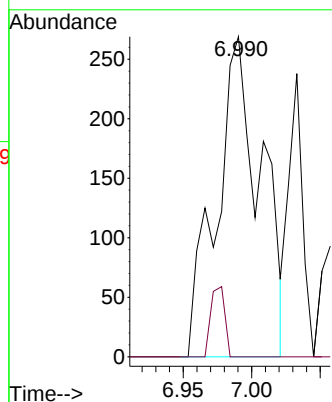
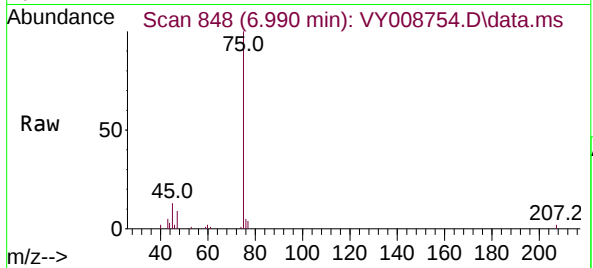




#25  
2-Butanone  
Concen: 1.195 ug/l  
RT: 6.990 min Scan# 846  
Delta R.T. 0.012 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11

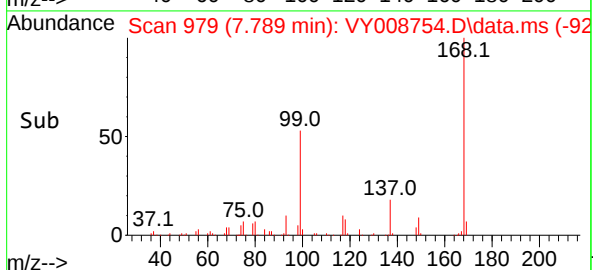
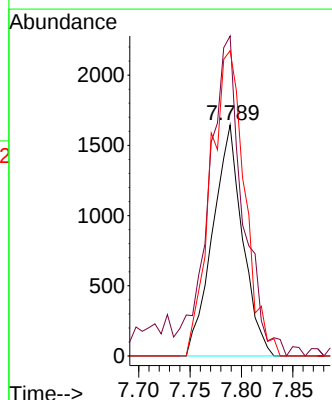
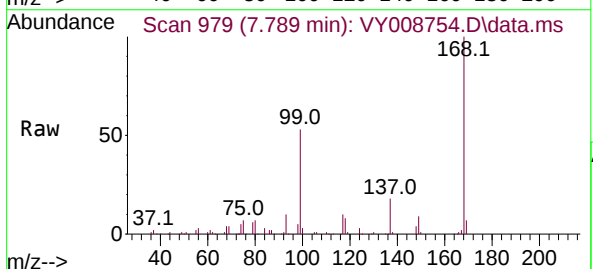
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P018-SS001-0006-01MSD

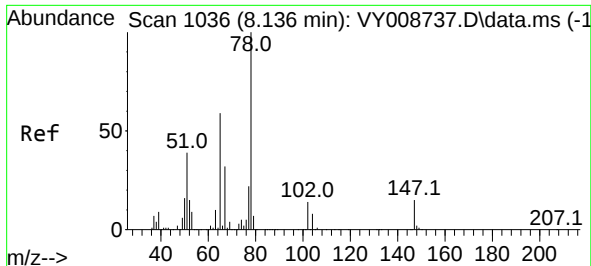
Tgt Ion: 43 Resp: 605  
Ion Ratio Lower Upper  
43 100  
72 0.0 25.0 37.4#



#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.789 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11

Tgt Ion: 56 Resp: 3334  
Ion Ratio Lower Upper  
56 100  
69 131.3 27.4 41.0#  
84 132.1 77.5 116.3#





#33

1,2-Dichloroethane-d4

Concen: 64.023 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY008754.D

Acq: 13 May 2022 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

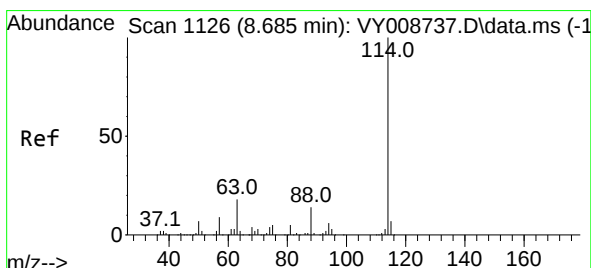
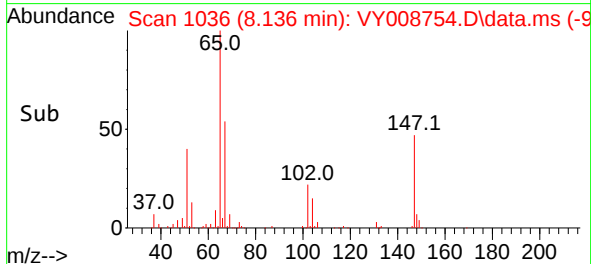
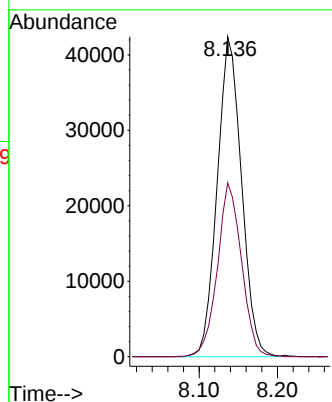
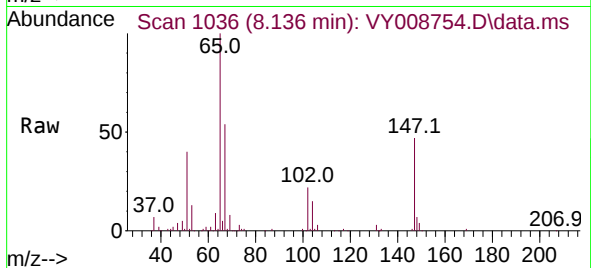
P018-SS001-0006-01MSD

Tgt Ion: 65 Resp: 91400

Ion Ratio Lower Upper

65 100

67 53.9 0.0 110.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY008754.D

Acq: 13 May 2022 17:11

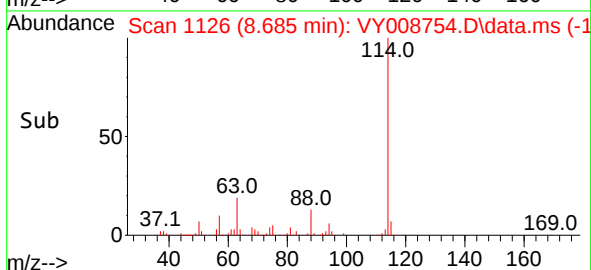
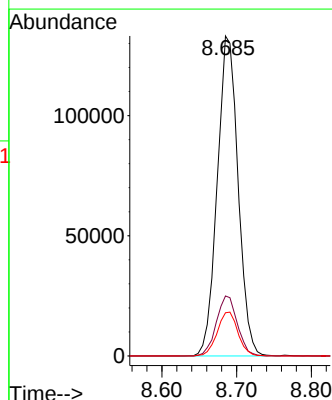
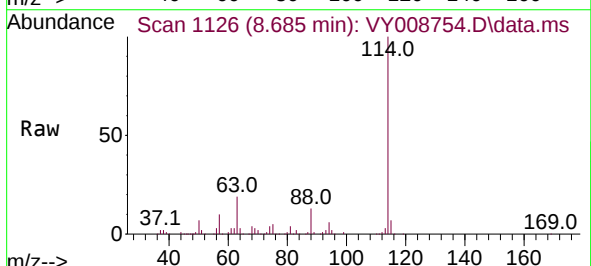
Tgt Ion: 114 Resp: 258220

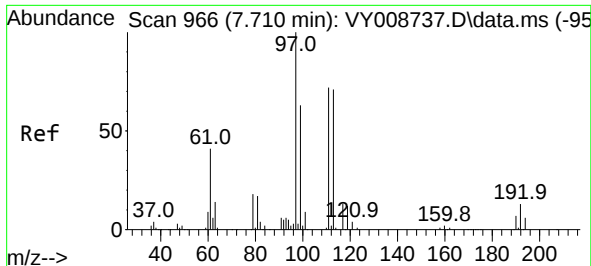
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.4

88 13.5 0.0 27.4

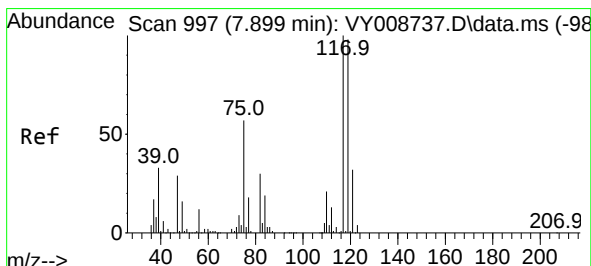
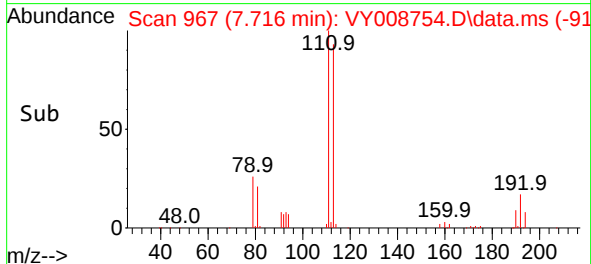
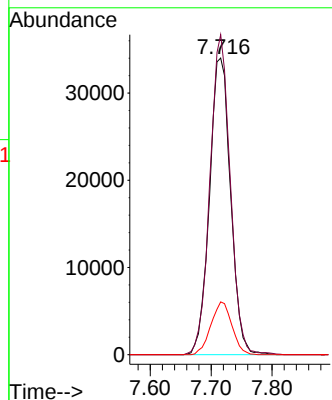
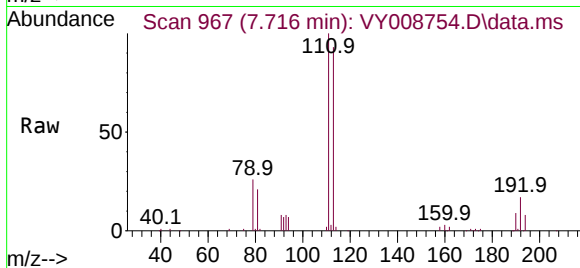




#35  
Dibromofluoromethane  
Concen: 52.792 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11

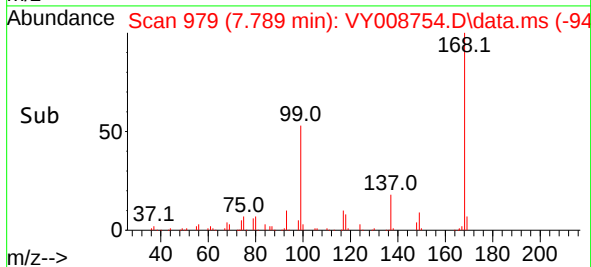
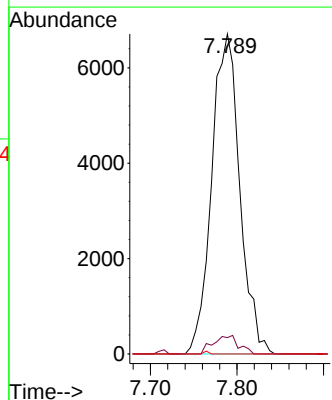
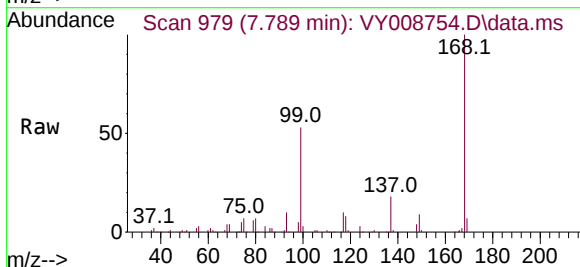
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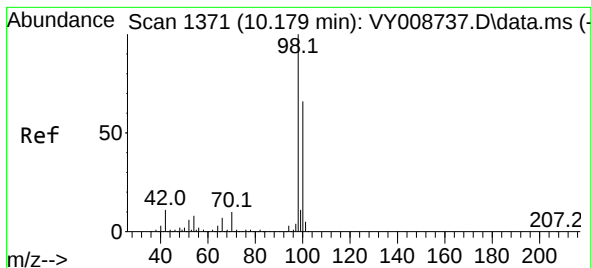
Tgt Ion:113 Resp: 81818  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.8 122.6  
192 17.7 14.5 21.7



#38  
Carbon Tetrachloride  
Concen: 5.780 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.110 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11

Tgt Ion:117 Resp: 15113  
Ion Ratio Lower Upper  
117 100  
119 5.1 78.5 117.7#  
121 0.0 25.8 38.8#





#50

Toluene-d8

Concen: 52.500 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008754.D

Acq: 13 May 2022 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

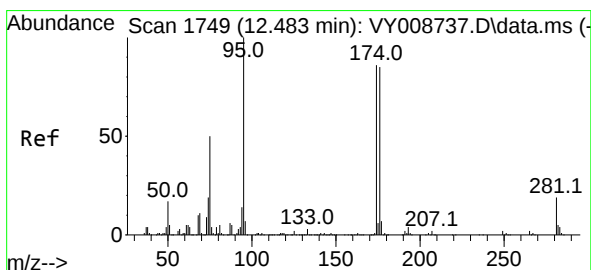
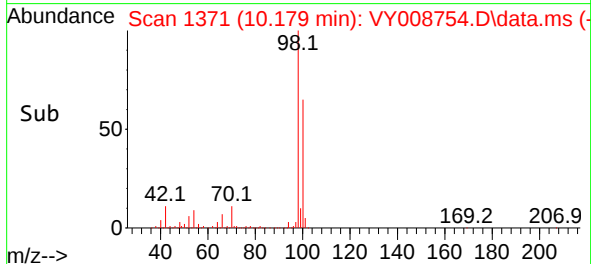
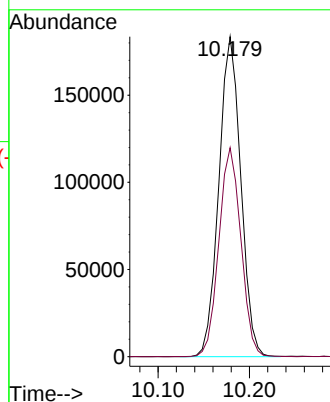
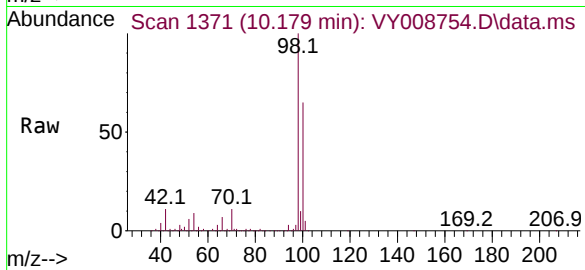
P018-SS001-0006-01MSD

Tgt Ion: 98 Resp: 306849

Ion Ratio Lower Upper

98 100

100 65.5 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 42.340 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008754.D

Acq: 13 May 2022 17:11

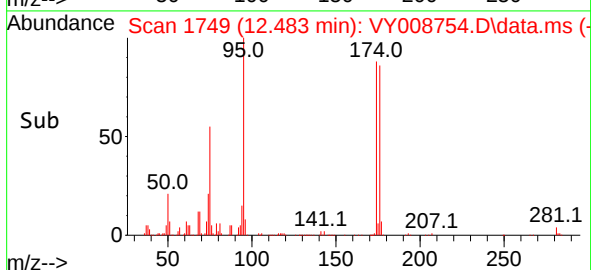
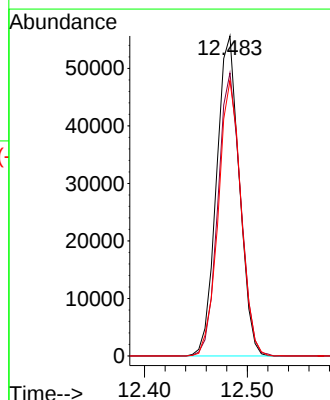
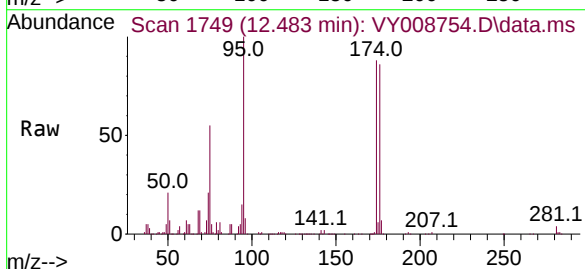
Tgt Ion: 95 Resp: 85738

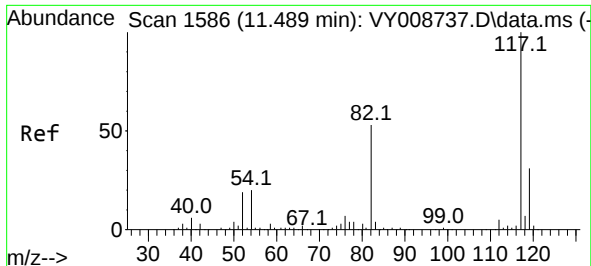
Ion Ratio Lower Upper

95 100

174 88.0 0.0 171.2

176 85.5 0.0 168.8

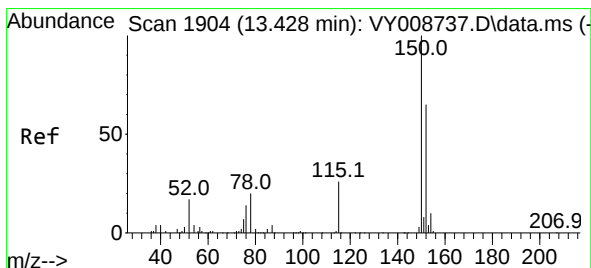
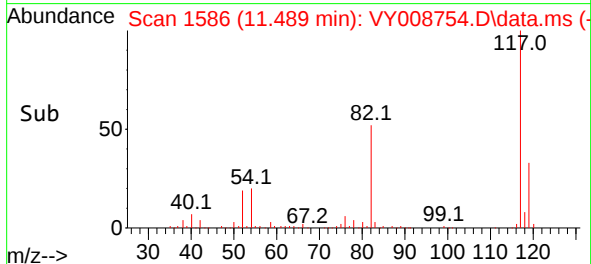
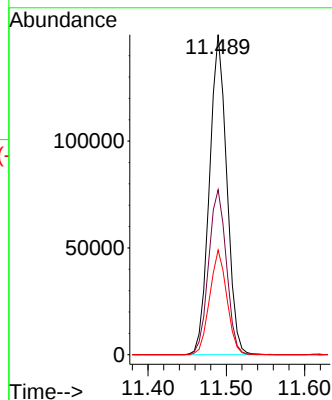
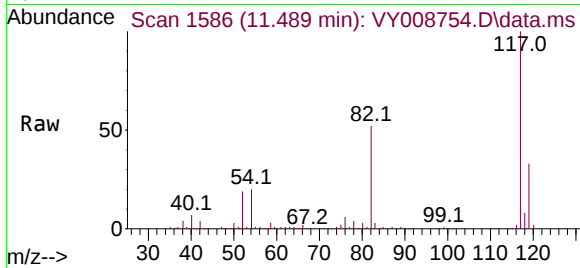




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11

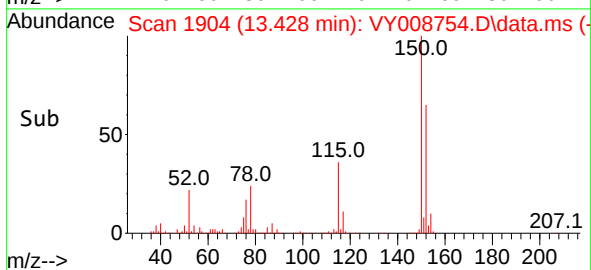
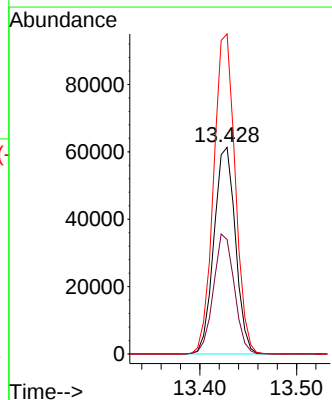
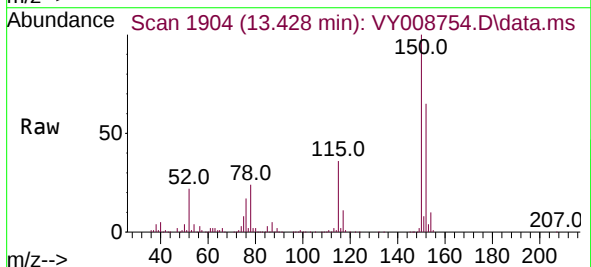
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P018-SS001-0006-01MSD

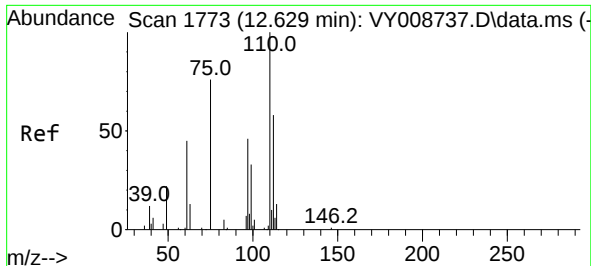
Tgt Ion:117 Resp: 230211  
Ion Ratio Lower Upper  
117 100  
82 51.6 42.3 63.5  
119 32.7 24.6 37.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11

Tgt Ion:152 Resp: 94641  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.2 84.7  
150 155.3 0.0 348.2

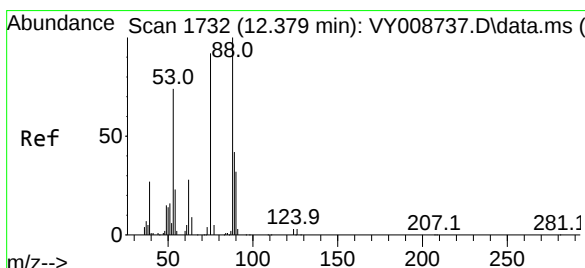
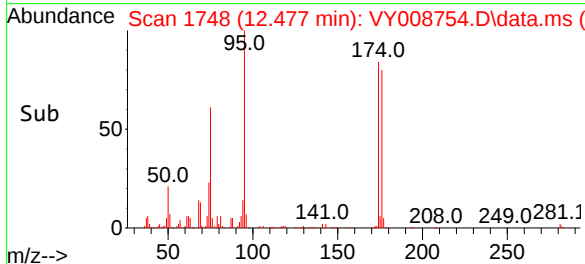
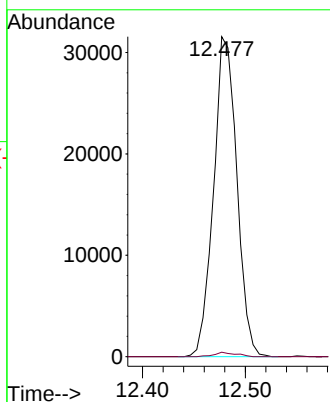
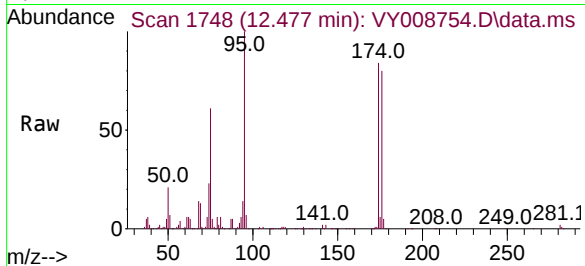




#76  
1,2,3-Trichloropropane  
Concen: 52.087 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
P018-SS001-0006-01MSD

Tgt Ion: 75 Resp: 49605  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 100.626 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.098 min  
Lab File: VY008754.D  
Acq: 13 May 2022 17:11

Tgt Ion: 75 Resp: 49605  
Ion Ratio Lower Upper  
75 100  
53 0.1 66.3 99.5#  
89 0.1 36.8 55.2#

