

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072524\  
 Data File : VY018921.D  
 Acq On : 25 Jul 2024 19:49  
 Operator : SY/MD  
 Sample : P3352-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jul 26 03:02:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 14:28:51 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 33124    | 50.000 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.715  | 114  | 57808    | 50.000 | ug/l  | 0.04     |
| 63) Chlorobenzene-d5       | 11.562 | 117  | 53011    | 50.000 | ug/l  | 0.08     |
| 72) 1,4-Dichlorobenzene-d4 | 13.538 | 152  | 20519    | 50.000 | ug/l  | 0.12     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 16133    | 49.496   | ug/l | 0.02     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.000%  |
| 35) Dibromofluoromethane    | 7.722  | 113   | 18426    | 50.892   | ug/l | 0.02     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.780% |
| 50) Toluene-d8              | 10.233 | 98    | 64659    | 47.137   | ug/l | 0.06     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 94.280%  |
| 62) 4-Bromofluorobenzene    | 12.574 | 95    | 19602    | 41.845   | ug/l | 0.10     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 83.680%  |

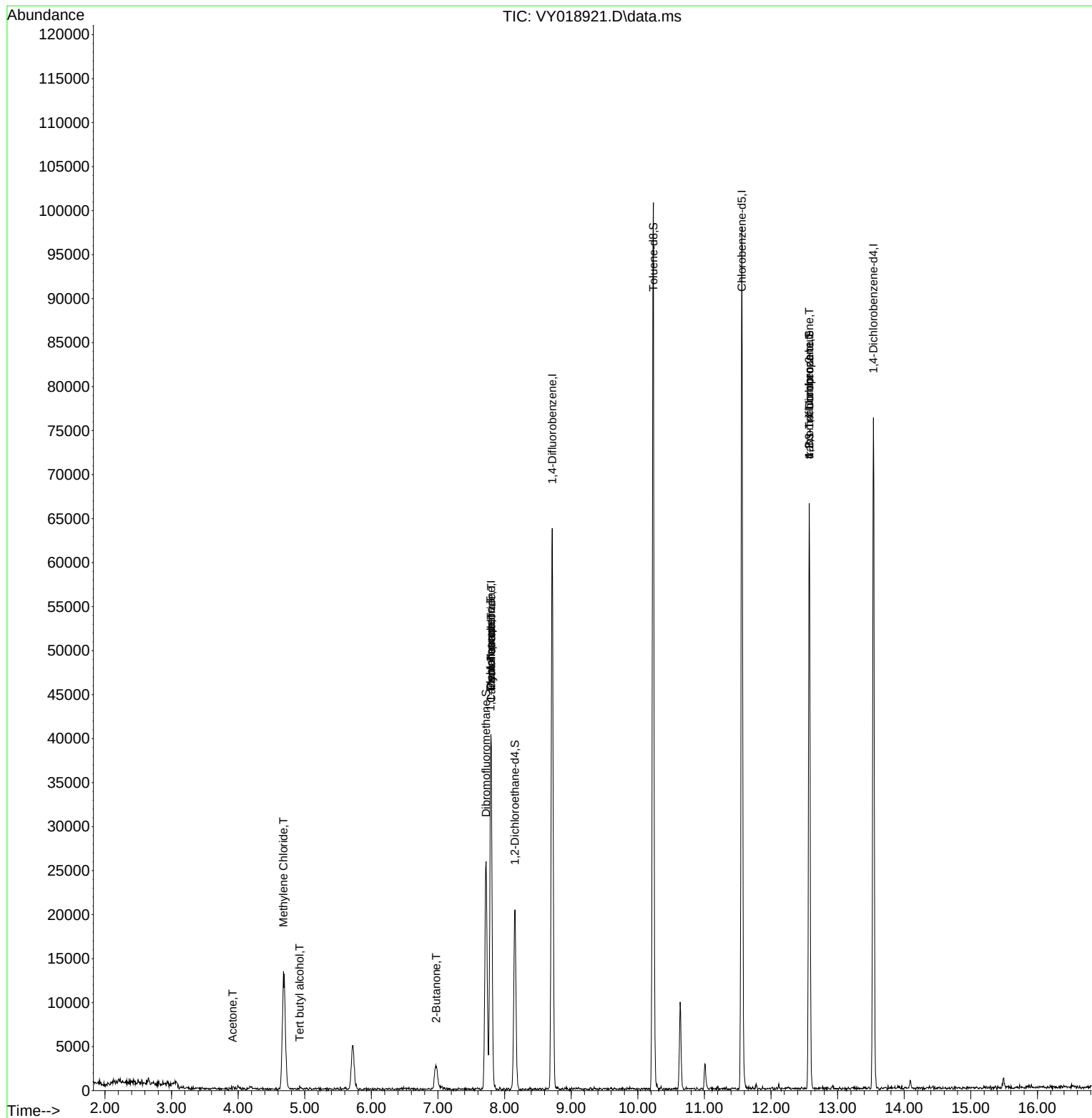
| Target Compounds              |        |     |       |         |        | Qvalue |
|-------------------------------|--------|-----|-------|---------|--------|--------|
| 11) Tert butyl alcohol        | 4.923  | 59  | 109   | 3.301   | ug/l # | 88     |
| 16) Acetone                   | 3.918  | 43  | 78    | 1.298   | ug/l # | 36     |
| 20) Methylene Chloride        | 4.680  | 84  | 10466 | 28.632  | ug/l # | 96     |
| 25) 2-Butanone                | 6.972  | 43  | 90    | 1.068   | ug/l # | 41     |
| 31) Cyclohexane               | 7.795  | 56  | 764   | 1.526   | ug/l # | 28     |
| 36) 1,1-Dichloropropene       | 7.789  | 75  | 2758  | 5.520   | ug/l # | 45     |
| 38) Carbon Tetrachloride      | 7.801  | 117 | 3310  | 5.500   | ug/l # | 13     |
| 76) 1,2,3-Trichloropropane    | 12.574 | 75  | 10850 | 67.513  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.574 | 75  | 10850 | 151.099 | ug/l # | 16     |

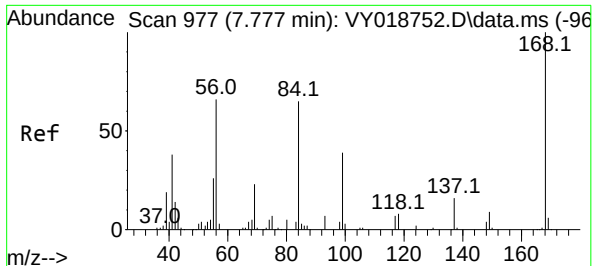
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

Quant Time: Jul 26 03:02:49 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 09 14:28:51 2024  
Response via : Initial Calibration

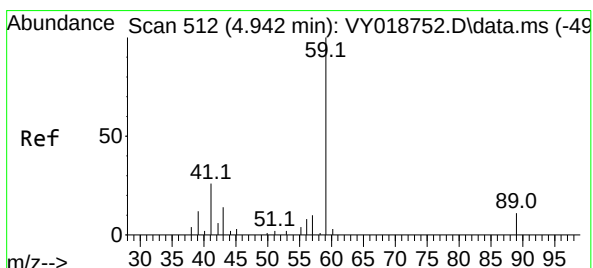
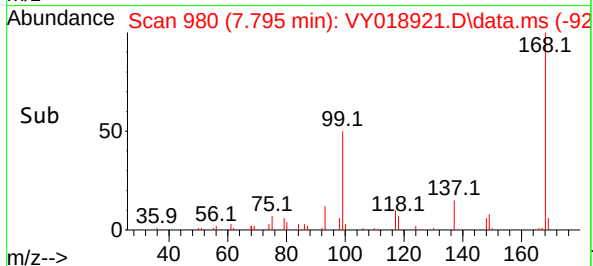
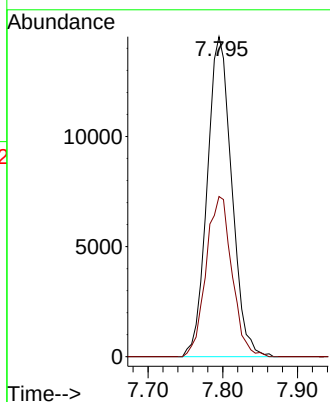
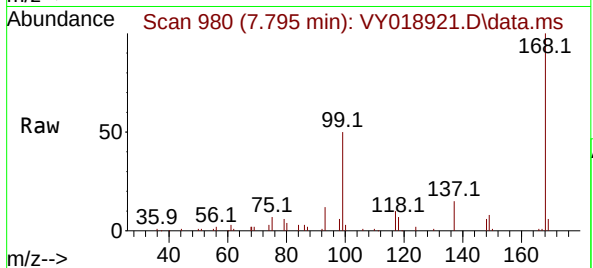




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY018921.D  
Acq: 25 Jul 2024 19:49

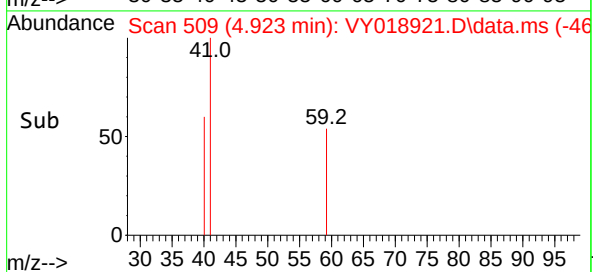
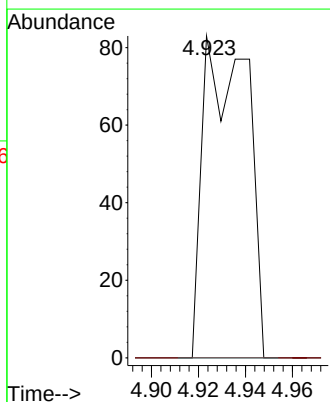
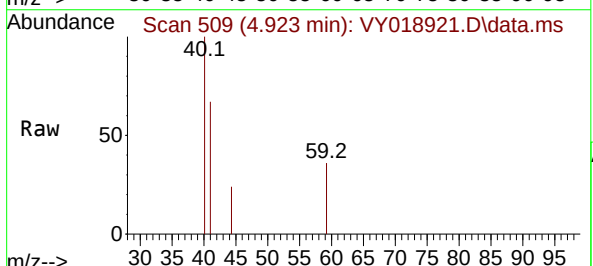
Instrument :  
MSVOA\_Y  
ClientSampleId :

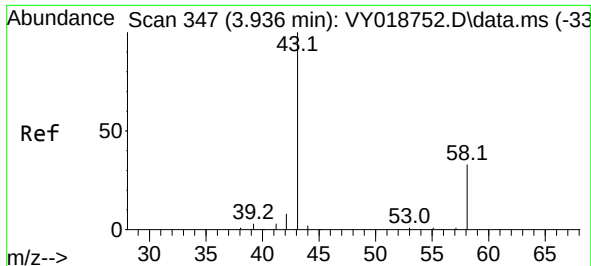
Tgt Ion:168 Resp: 33124  
Ion Ratio Lower Upper  
168 100  
99 50.0 39.1 58.7



#11  
Tert butyl alcohol  
Concen: 3.301 ug/l  
RT: 4.923 min Scan# 509  
Delta R.T. -0.019 min  
Lab File: VY018921.D  
Acq: 25 Jul 2024 19:49

Tgt Ion: 59 Resp: 109  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#





#16

Acetone

Concen: 1.298 ug/l

RT: 3.918 min Scan# 34

Delta R.T. -0.018 min

Lab File: VY018921.D

Acq: 25 Jul 2024 19:49

Instrument :

MSVOA\_Y

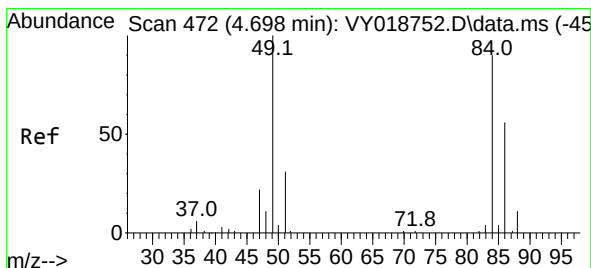
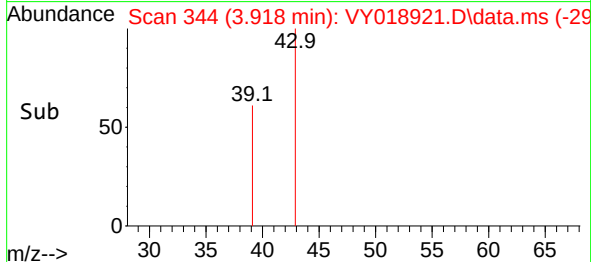
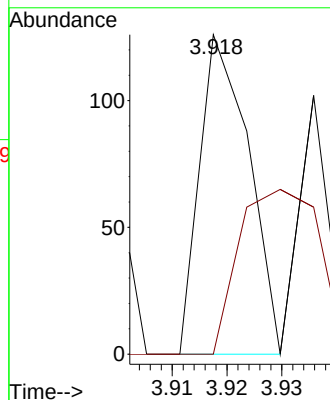
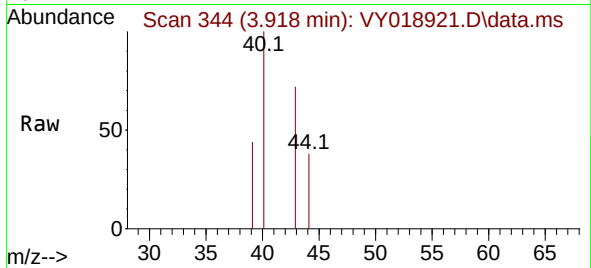
ClientSampleId :

Tgt Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: 28.632 ug/l

RT: 4.680 min Scan# 469

Delta R.T. -0.018 min

Lab File: VY018921.D

Acq: 25 Jul 2024 19:49

Tgt Ion: 84 Resp: 10466

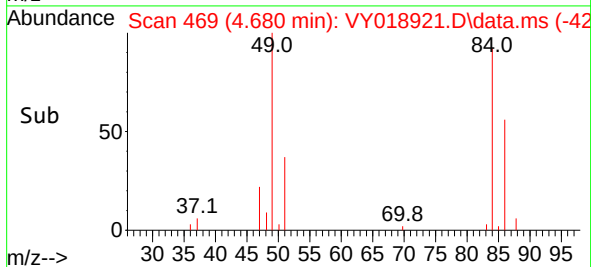
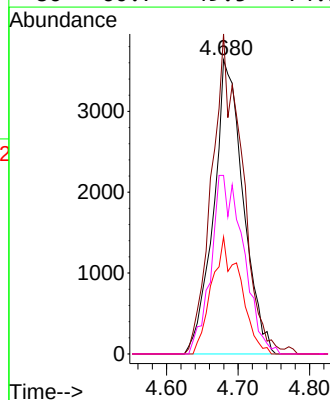
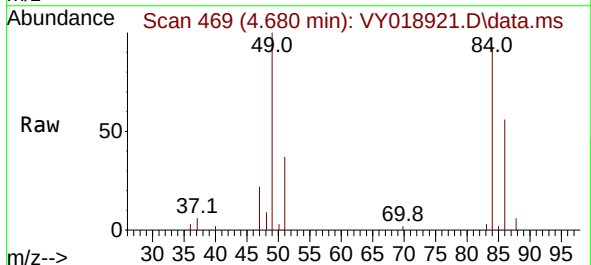
Ion Ratio Lower Upper

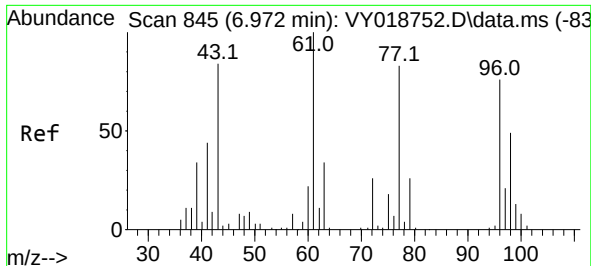
84 100

49 108.8 84.4 126.6

51 39.8 26.0 39.0#

86 60.7 49.5 74.3

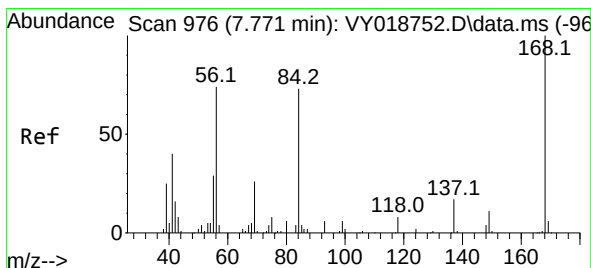
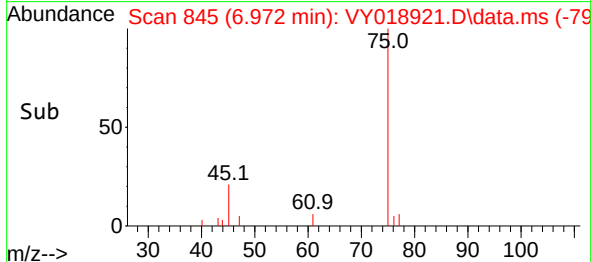
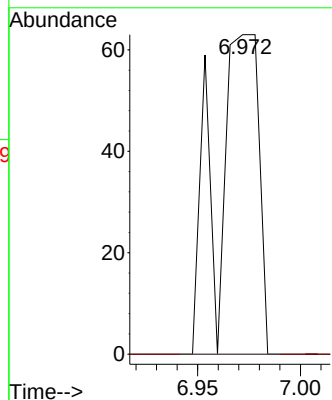
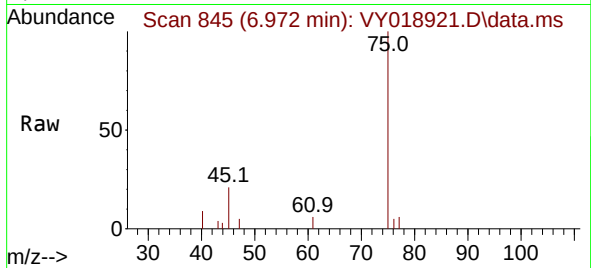




#25  
2-Butanone  
Concen: 1.068 ug/l  
RT: 6.972 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VY018921.D  
Acq: 25 Jul 2024 19:49

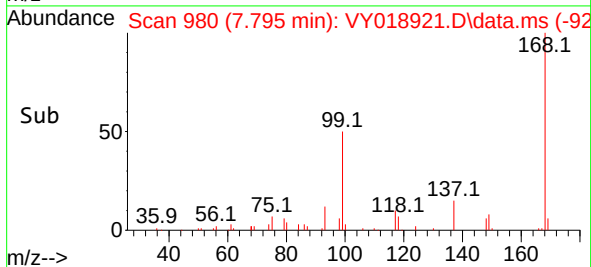
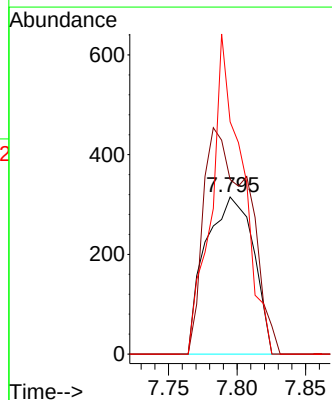
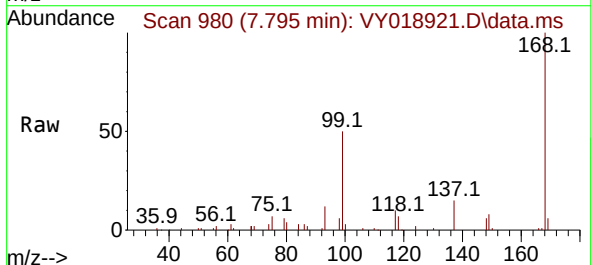
Instrument :  
MSVOA\_Y  
ClientSampleId :

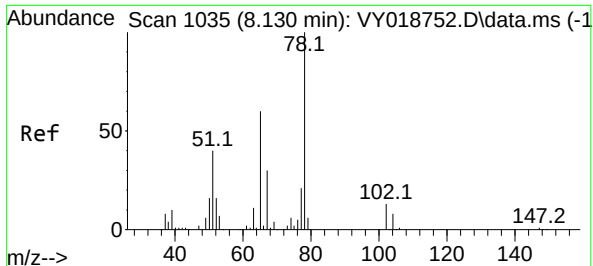
Tgt Ion: 43 Resp: 90  
Ion Ratio Lower Upper  
43 100  
72 0.0 27.3 40.9#



#31  
Cyclohexane  
Concen: 1.526 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.024 min  
Lab File: VY018921.D  
Acq: 25 Jul 2024 19:49

Tgt Ion: 56 Resp: 764  
Ion Ratio Lower Upper  
56 100  
69 111.1 28.7 43.1#  
84 147.9 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 49.496 ug/l

RT: 8.155 min Scan# 1103

Delta R.T. 0.024 min

Lab File: VY018921.D

Acq: 25 Jul 2024 19:49

Instrument :

MSVOA\_Y

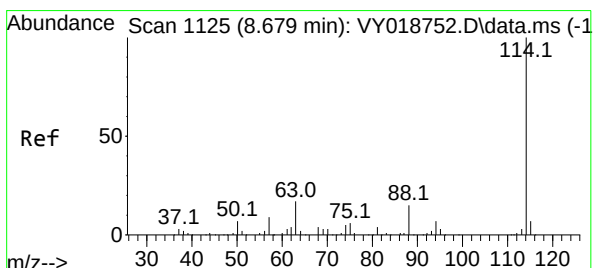
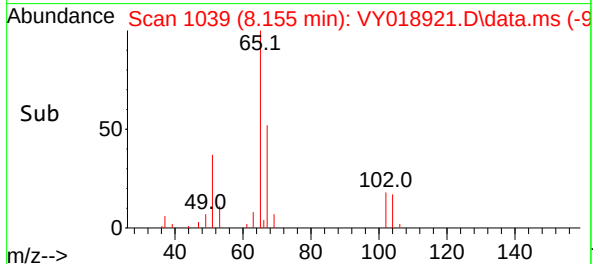
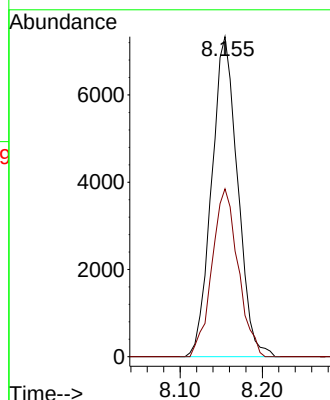
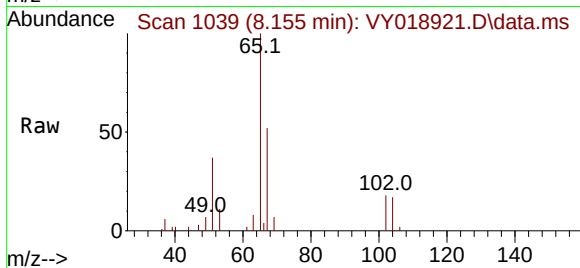
ClientSampleId :

Tgt Ion: 65 Resp: 16133

Ion Ratio Lower Upper

65 100

67 52.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.715 min Scan# 1131

Delta R.T. 0.036 min

Lab File: VY018921.D

Acq: 25 Jul 2024 19:49

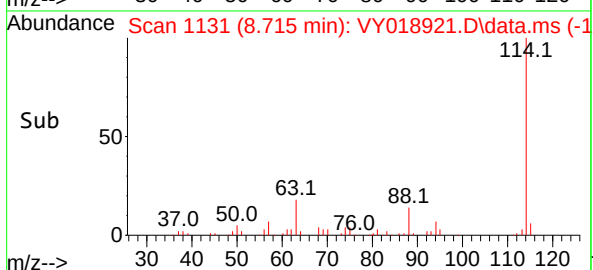
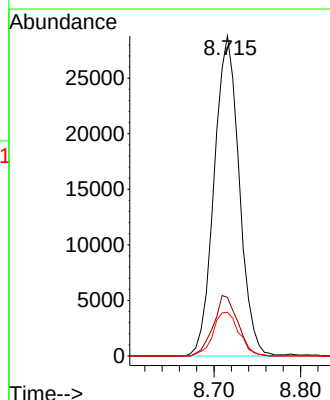
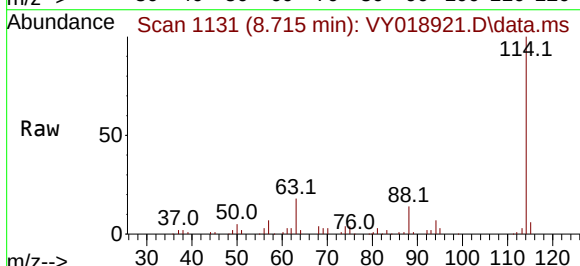
Tgt Ion: 114 Resp: 57808

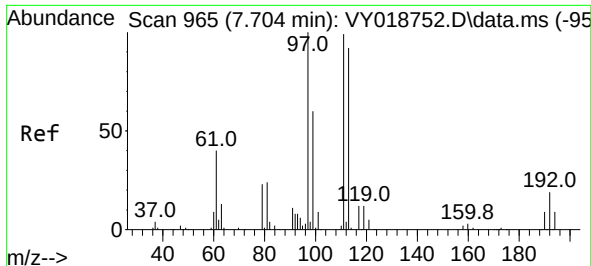
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

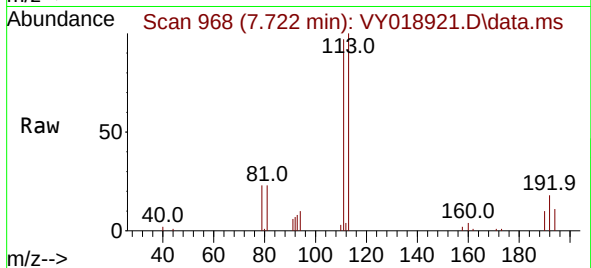
88 13.6 0.0 27.2



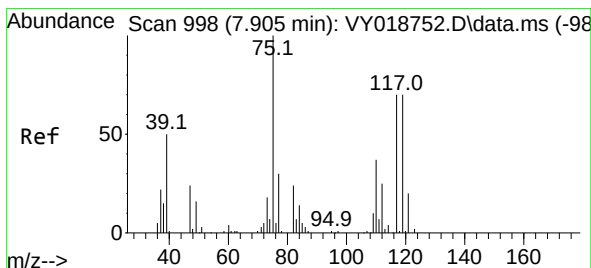
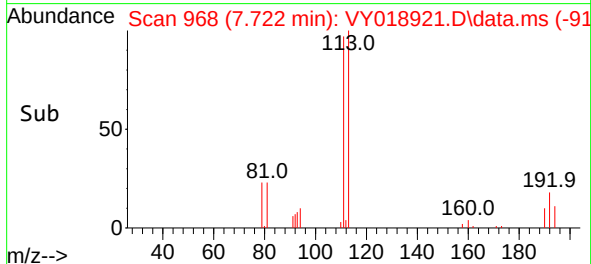
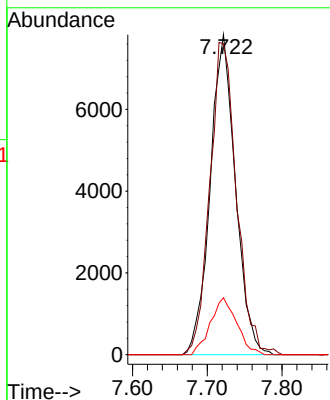


#35  
Dibromofluoromethane  
Concen: 50.892 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY018921.D  
Acq: 25 Jul 2024 19:49

Instrument :  
MSVOA\_Y  
ClientSampleId :

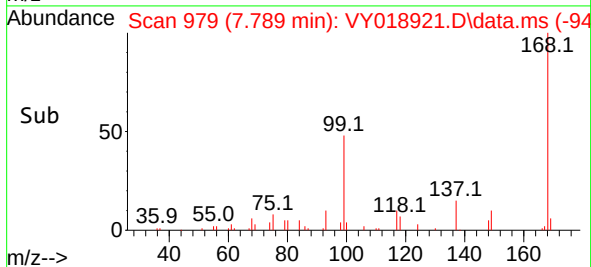
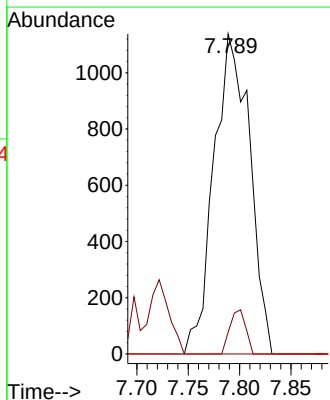
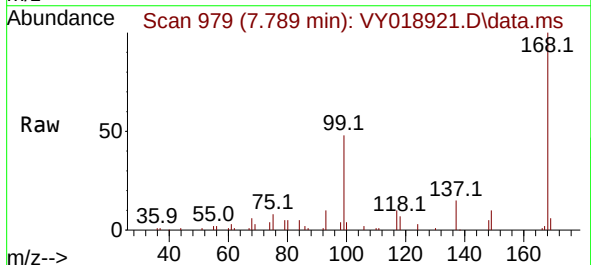


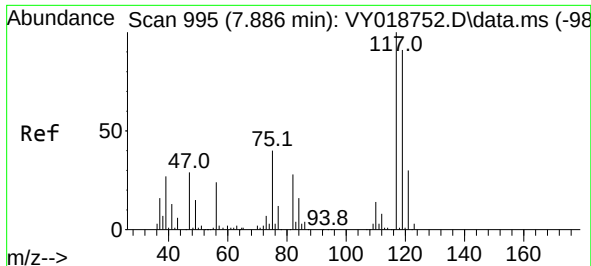
Tgt Ion:113 Resp: 18426  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.2 123.4  
192 18.5 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 5.520 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.116 min  
Lab File: VY018921.D  
Acq: 25 Jul 2024 19:49

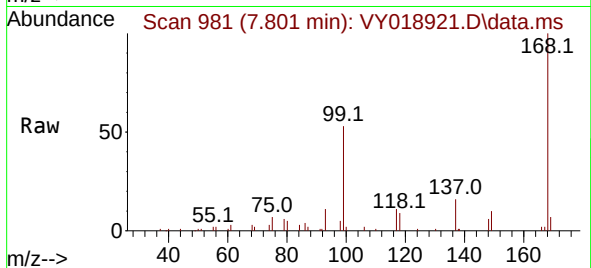
Tgt Ion: 75 Resp: 2758  
Ion Ratio Lower Upper  
75 100  
110 6.1 19.0 57.0#  
77 0.0 25.3 37.9#



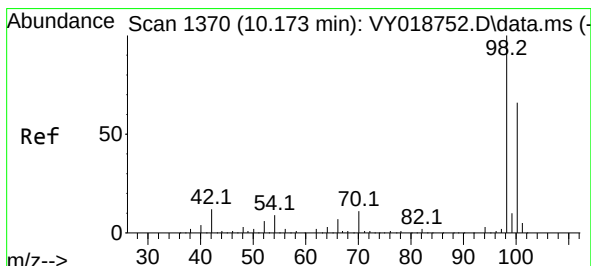
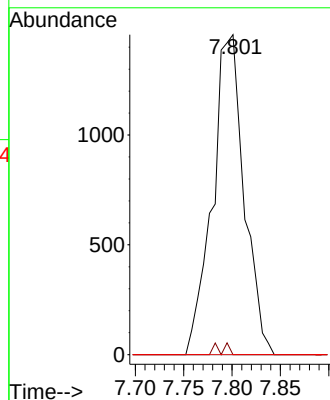
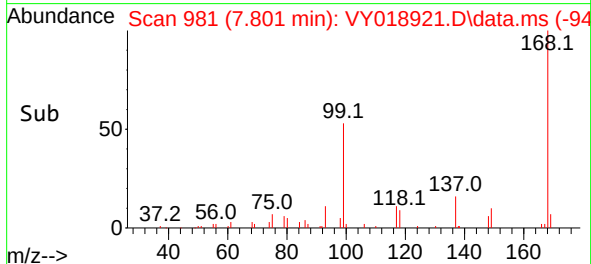


#38  
Carbon Tetrachloride  
Concen: 5.500 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. -0.086 min  
Lab File: VY018921.D  
Acq: 25 Jul 2024 19:49

Instrument :  
MSVOA\_Y  
ClientSampleId :

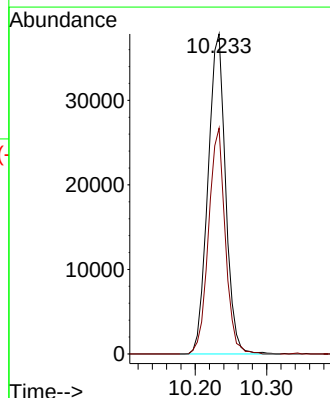
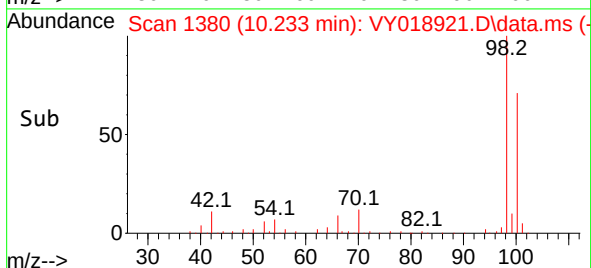
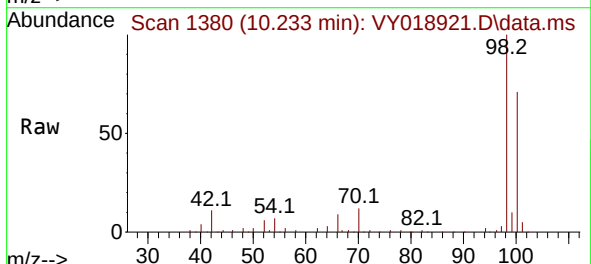


Tgt Ion:117 Resp: 3310  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.8 113.6#  
121 0.0 24.0 36.0#

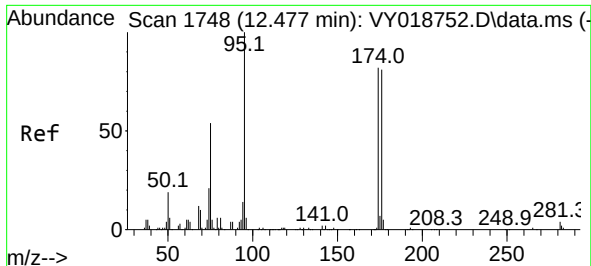


#50  
Toluene-d8  
Concen: 47.137 ug/l  
RT: 10.233 min Scan# 1380  
Delta R.T. 0.061 min  
Lab File: VY018921.D  
Acq: 25 Jul 2024 19:49

Tgt Ion: 98 Resp: 64659  
Ion Ratio Lower Upper  
98 100  
100 67.0 52.0 78.0



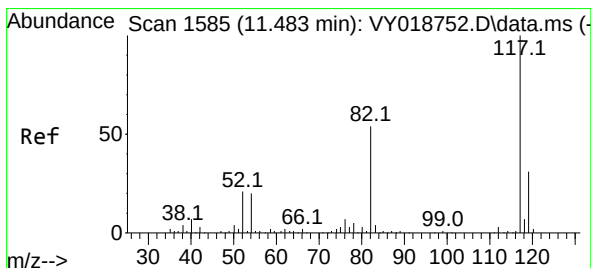
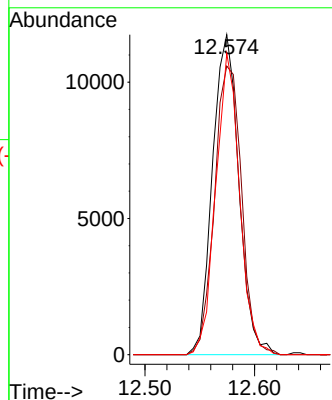
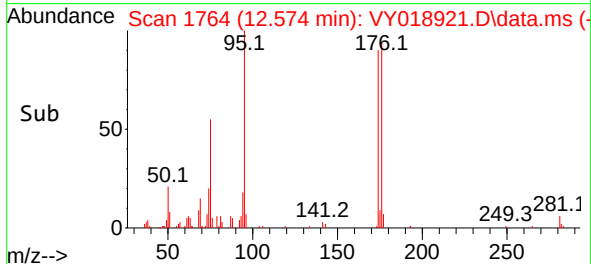
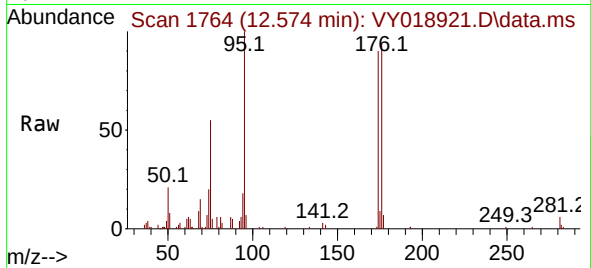




#62  
4-Bromofluorobenzene  
Concen: 41.845 ug/l  
RT: 12.574 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY018921.D  
Acq: 25 Jul 2024 19:49

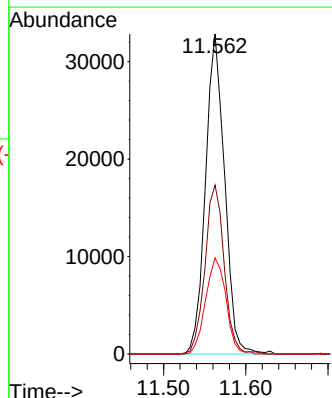
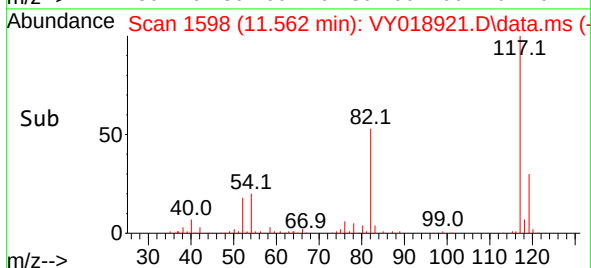
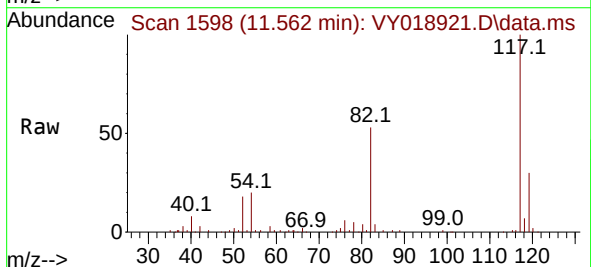
Instrument :  
MSVOA\_Y  
ClientSampleId :

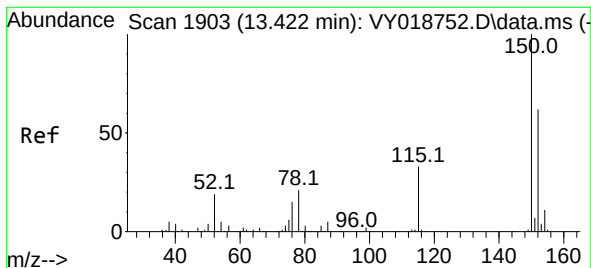
Tgt Ion: 95 Resp: 19602  
Ion Ratio Lower Upper  
95 100  
174 92.7 0.0 175.6  
176 85.6 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.562 min Scan# 1598  
Delta R.T. 0.079 min  
Lab File: VY018921.D  
Acq: 25 Jul 2024 19:49

Tgt Ion: 117 Resp: 53011  
Ion Ratio Lower Upper  
117 100  
82 52.7 42.4 63.6  
119 30.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.538 min Scan# 1903

Delta R.T. 0.116 min

Lab File: VY018921.D

Acq: 25 Jul 2024 19:49

Instrument :

MSVOA\_Y

ClientSampleId :

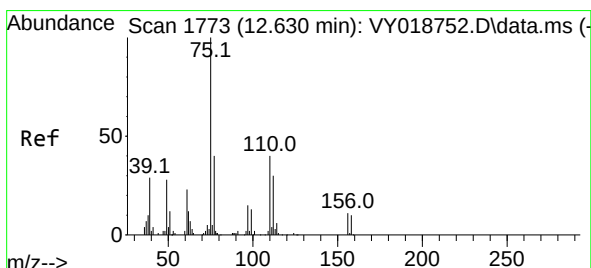
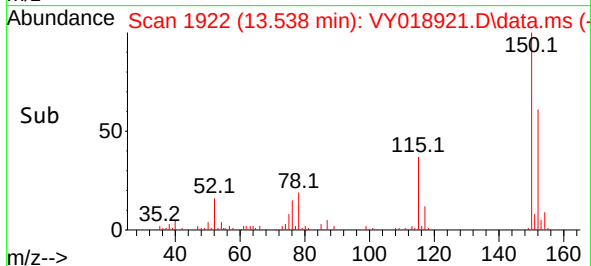
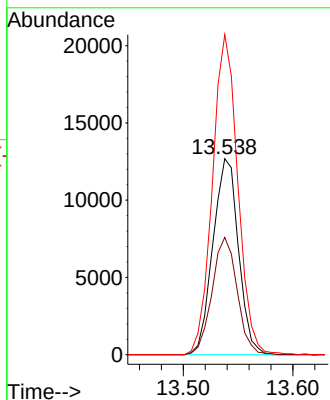
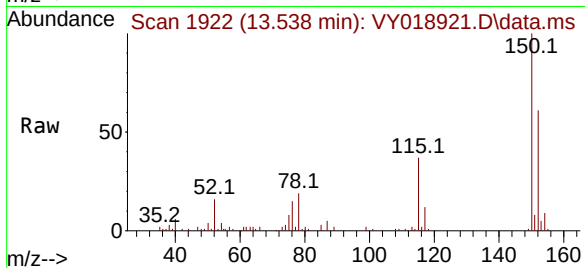
Tgt Ion:152 Resp: 20519

Ion Ratio Lower Upper

152 100

115 58.8 28.2 84.7

150 162.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 67.513 ug/l

RT: 12.574 min Scan# 1764

Delta R.T. -0.056 min

Lab File: VY018921.D

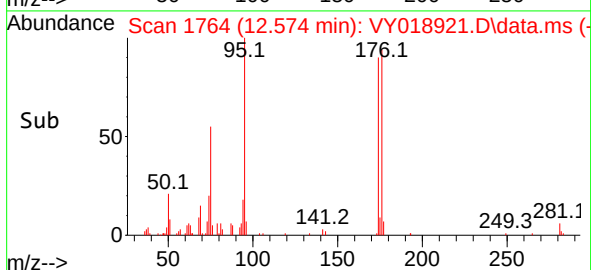
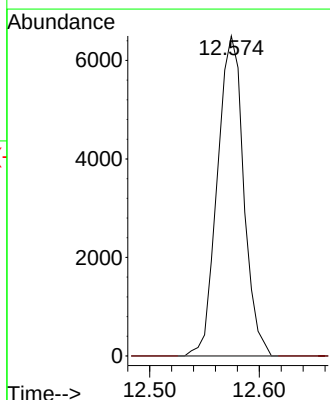
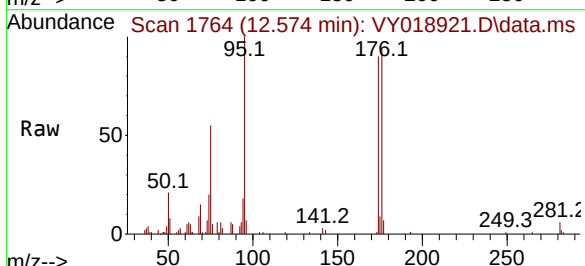
Acq: 25 Jul 2024 19:49

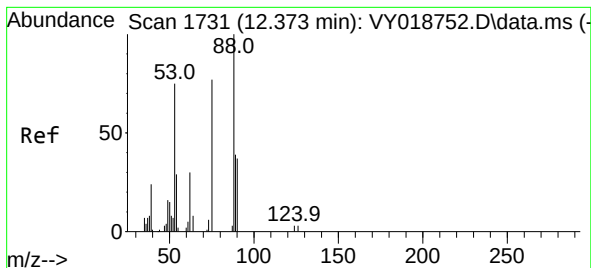
Tgt Ion: 75 Resp: 10850

Ion Ratio Lower Upper

75 100

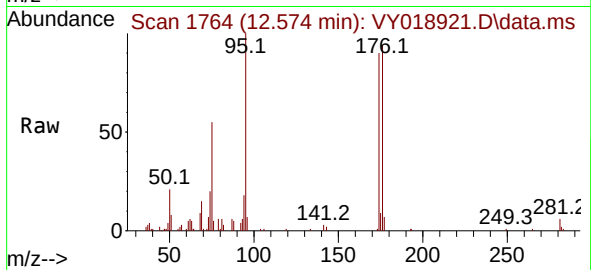
77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 151.099 ug/l  
 RT: 12.574 min Scan# 11  
 Delta R.T. 0.201 min  
 Lab File: VY018921.D  
 Acq: 25 Jul 2024 19:49

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 10850  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 66.8 100.2#  
 89 0.0 35.8 53.6#

