

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082222\  
 Data File : VY010151.D  
 Acq On : 22 Aug 2022 18:08  
 Operator : KP/MD  
 Sample : N4227-11  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-2

Quant Time: Aug 22 18:47:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081922S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 22 02:37:07 2022  
 Response via : Initial Calibration

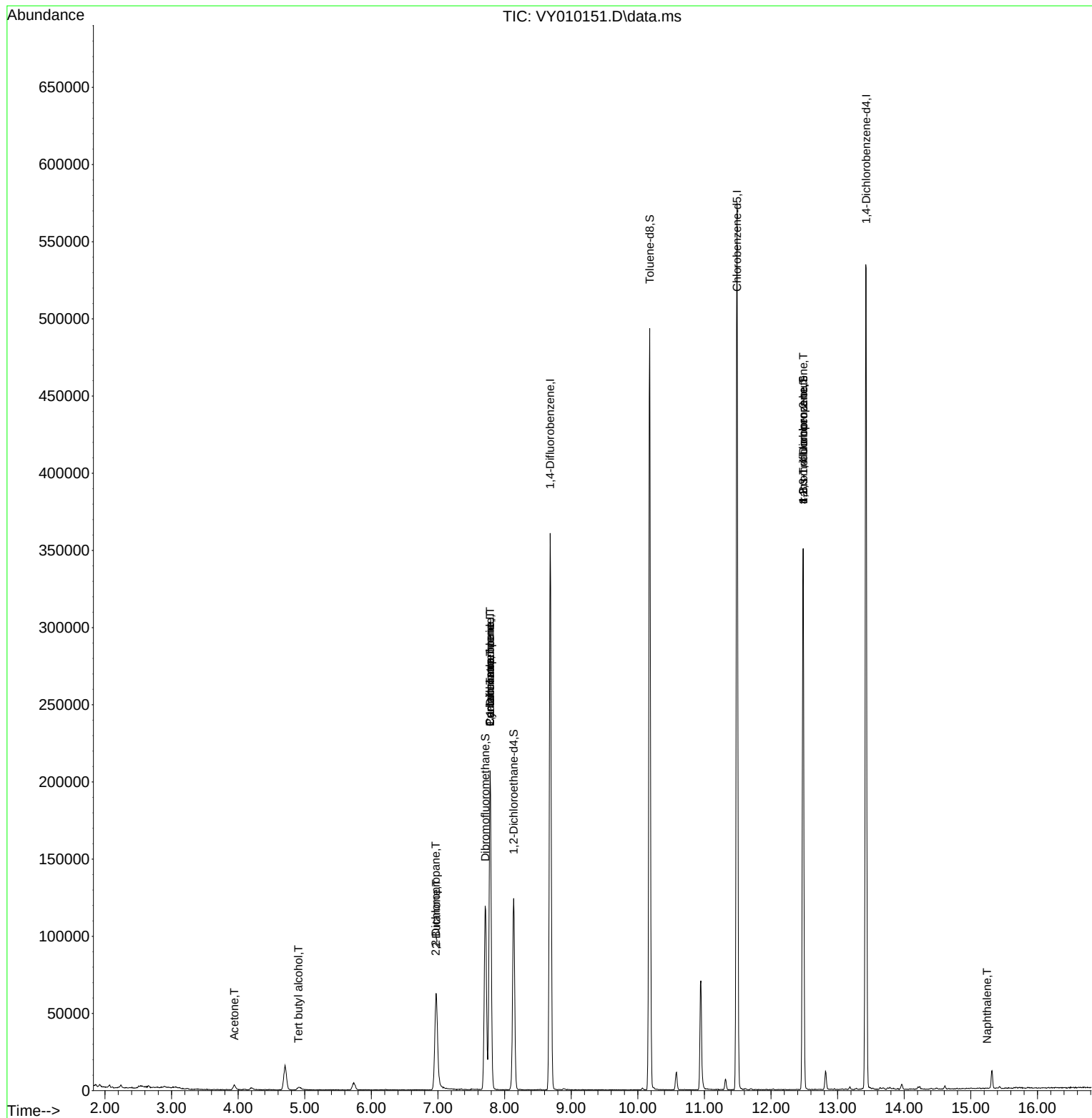
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 163329   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 311828   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 316682   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 144062   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 91389    | 68.312    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 136.620% |
| 35) Dibromofluoromethane      | 7.710  | 113   | 86877    | 49.444    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 98.880%  |
| 50) Toluene-d8                | 10.179 | 98    | 322355   | 48.961    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 97.920%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 105785   | 44.969    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 89.940%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.905  | 59    | 1212     | 18.828    | ug/l # | 73       |
| 16) Acetone                   | 3.942  | 43    | 5441     | 16.250    | ug/l # | 86       |
| 20) Methylene Chloride        | 4.704  | 84    | 11436    | Below Cal |        | 96       |
| 25) 2-Butanone                | 6.972  | 43    | 3228     | 5.993     | ug/l # | 82       |
| 26) 2,2-Dichloropropane       | 6.966  | 77    | 4743     | 1.880     | ug/l # | 50       |
| 31) Cyclohexane               | 7.783  | 56    | 3042     | 1.110     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 12102    | 4.315     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 15544    | 5.285     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 52159    | 38.660    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 52159    | 77.648    | ug/l # | 18       |
| 95) Naphthalene               | 15.245 | 128   | 566      | 3.982     | ug/l # | 69       |
| -----                         |        |       |          |           |        |          |

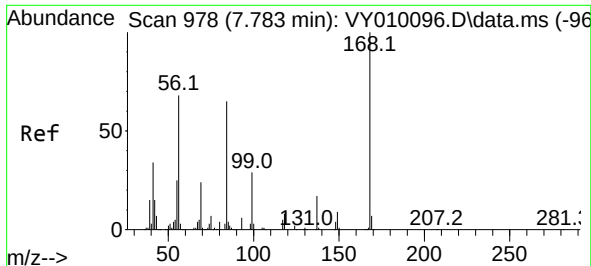
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SP-2

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Response via : Initial Calibration

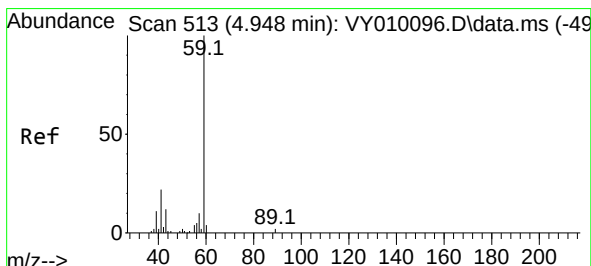
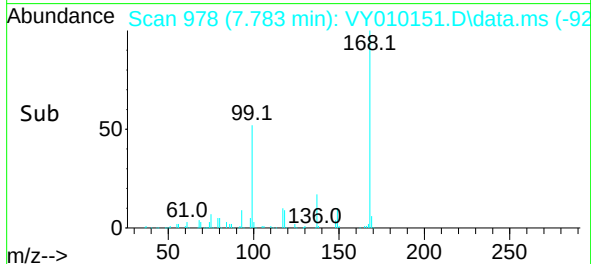
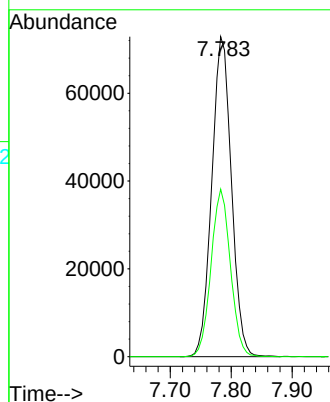
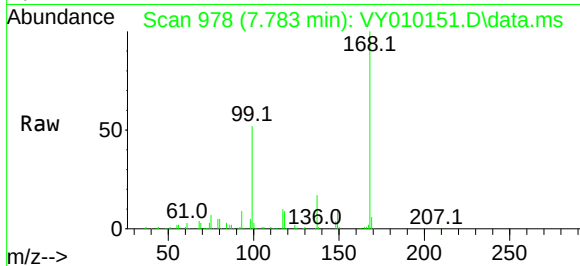




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010151.D  
Acq: 22 Aug 2022 18:08

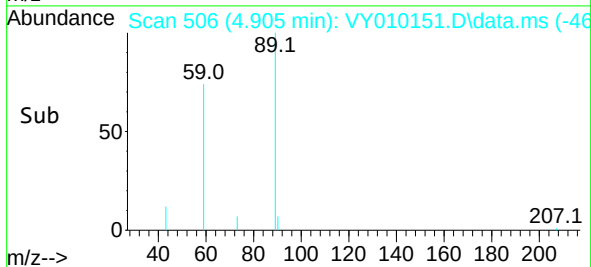
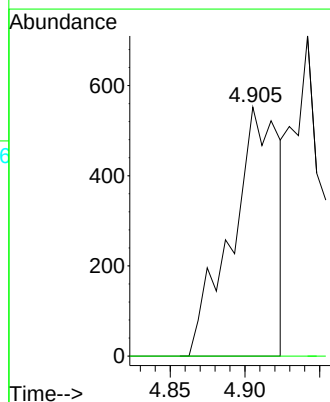
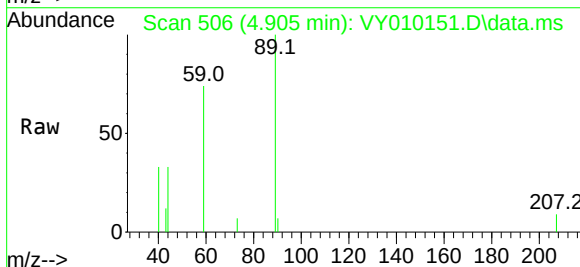
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-2

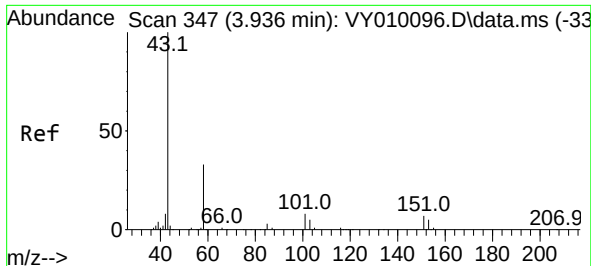
Tgt Ion:168 Resp: 163329  
Ion Ratio Lower Upper  
168 100  
99 52.4 40.7 61.1



#11  
Tert butyl alcohol  
Concen: 18.828 ug/l  
RT: 4.905 min Scan# 506  
Delta R.T. -0.043 min  
Lab File: VY010151.D  
Acq: 22 Aug 2022 18:08

Tgt Ion: 59 Resp: 1212  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

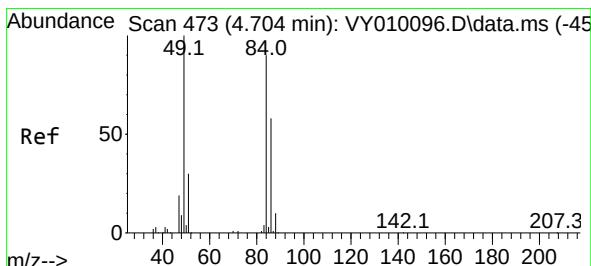
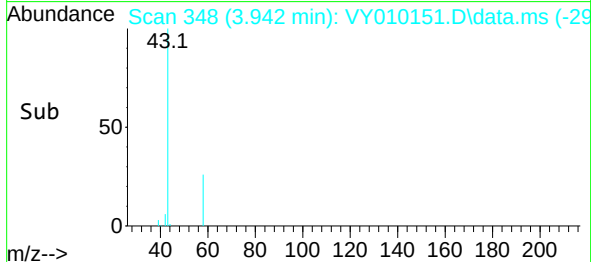
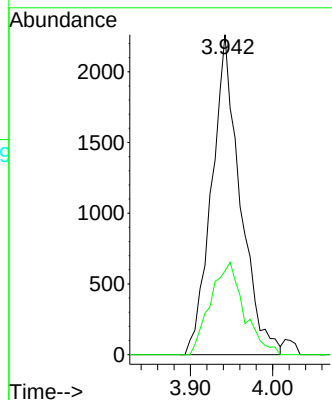
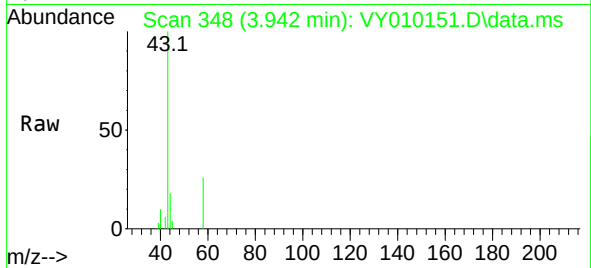




#16  
Acetone  
Concen: 16.250 ug/l  
RT: 3.942 min Scan# 347  
Delta R.T. 0.006 min  
Lab File: VY010151.D  
Acq: 22 Aug 2022 18:08

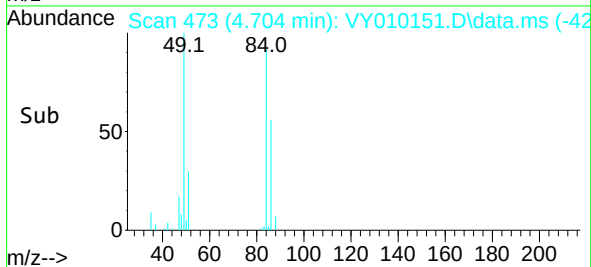
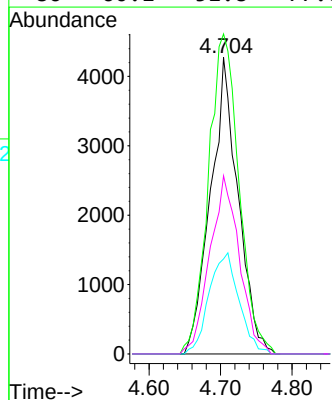
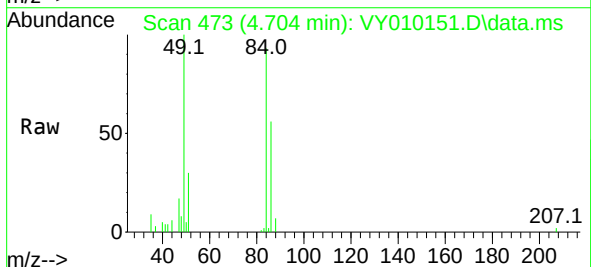
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-2

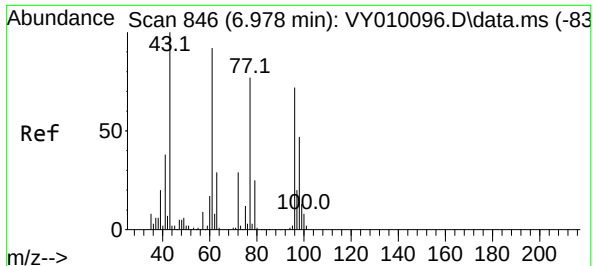
Tgt Ion: 43 Resp: 5441  
Ion Ratio Lower Upper  
43 100  
58 26.2 27.4 41.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.704 min Scan# 473  
Delta R.T. 0.000 min  
Lab File: VY010151.D  
Acq: 22 Aug 2022 18:08

Tgt Ion: 84 Resp: 11436  
Ion Ratio Lower Upper  
84 100  
49 107.9 89.0 133.4  
51 32.1 27.0 40.6  
86 60.1 51.8 77.6





#25

2-Butanone

Concen: 5.993 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010151.D

Acq: 22 Aug 2022 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

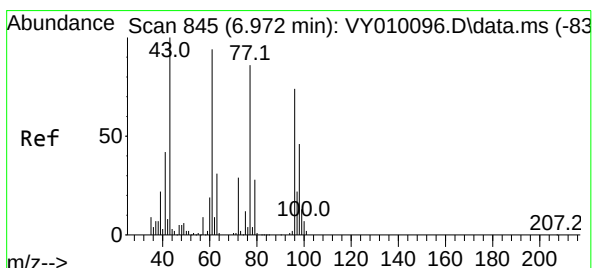
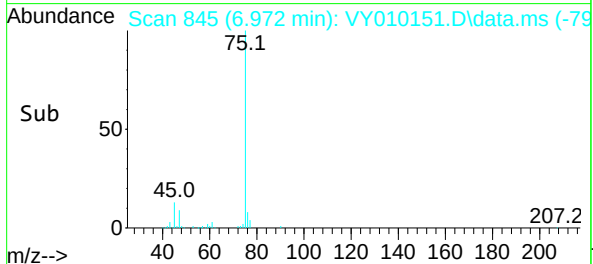
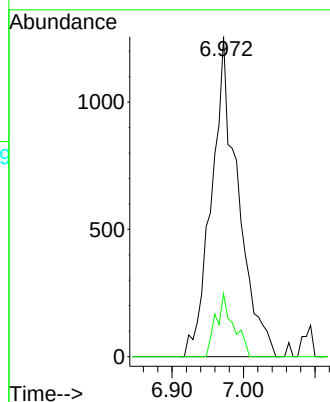
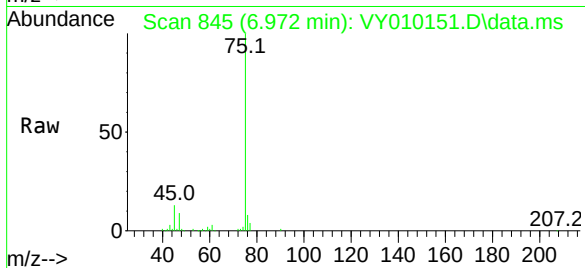
SP-2

Tgt Ion: 43 Resp: 3228

Ion Ratio Lower Upper

43 100

72 19.6 23.2 34.8#



#26

2,2-Dichloropropane

Concen: 1.880 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010151.D

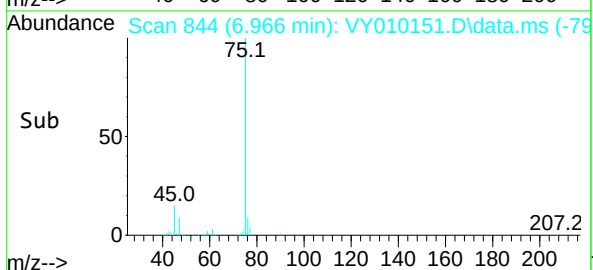
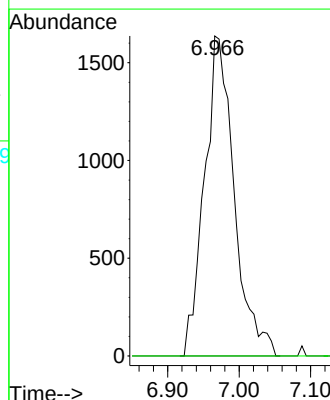
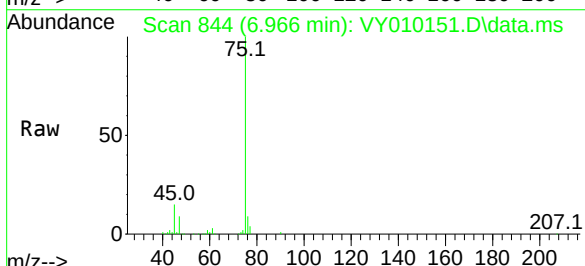
Acq: 22 Aug 2022 18:08

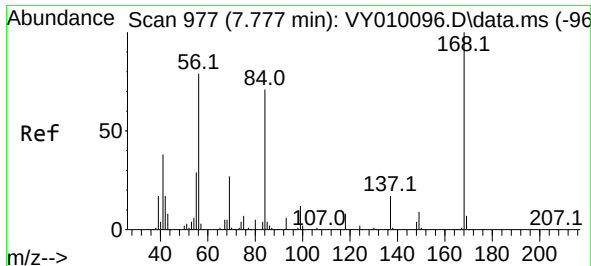
Tgt Ion: 77 Resp: 4743

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#

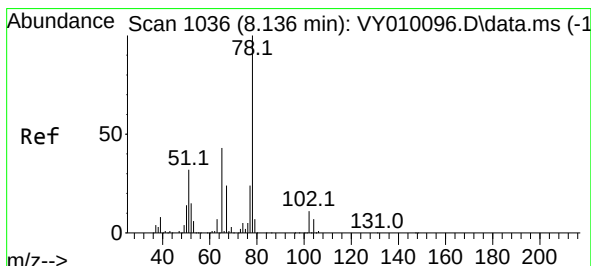
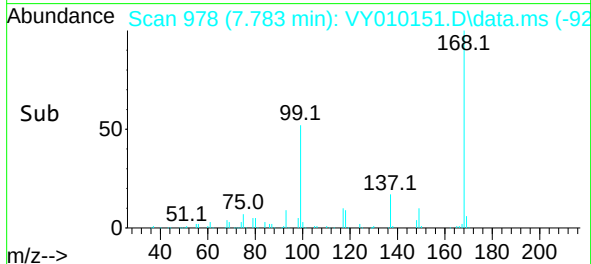
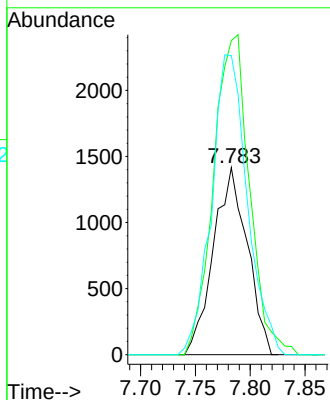
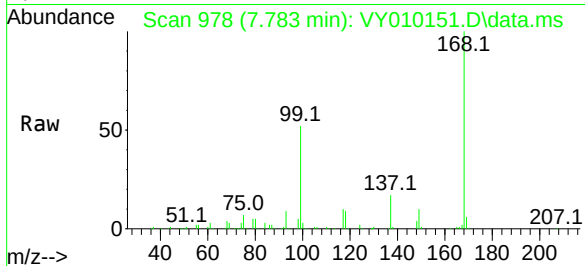




#31  
Cyclohexane  
Concen: 1.110 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010151.D  
Acq: 22 Aug 2022 18:08

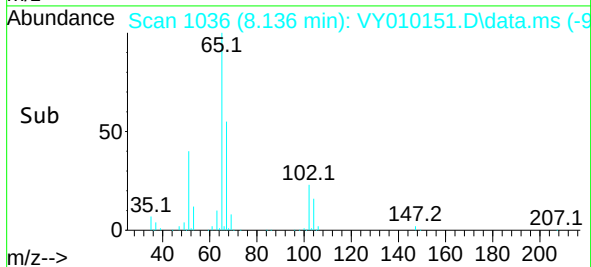
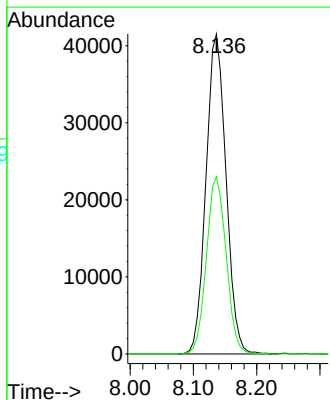
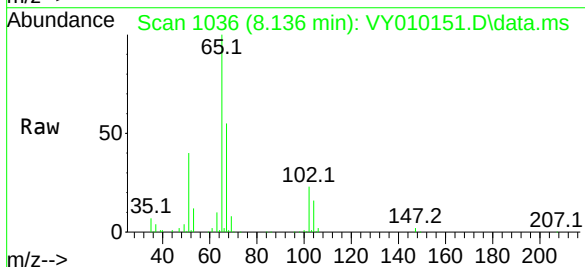
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-2

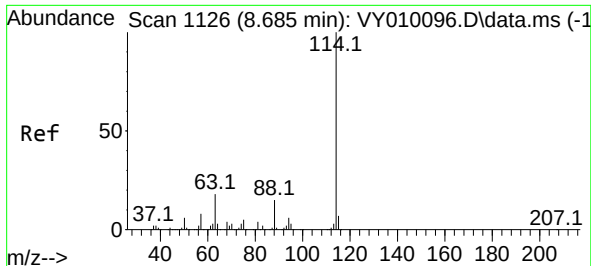
Tgt Ion: 56 Resp: 3042  
Ion Ratio Lower Upper  
56 100  
69 168.0 27.3 40.9#  
84 160.0 72.6 109.0#



#33  
1,2-Dichloroethane-d4  
Concen: 68.312 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY010151.D  
Acq: 22 Aug 2022 18:08

Tgt Ion: 65 Resp: 91389  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010151.D

Acq: 22 Aug 2022 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

SP-2

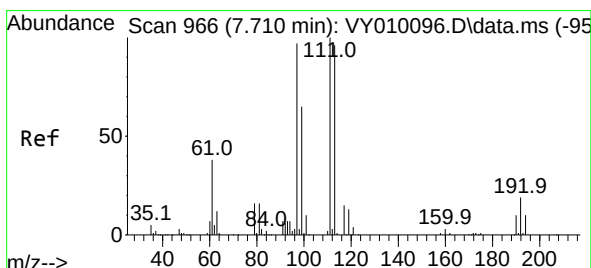
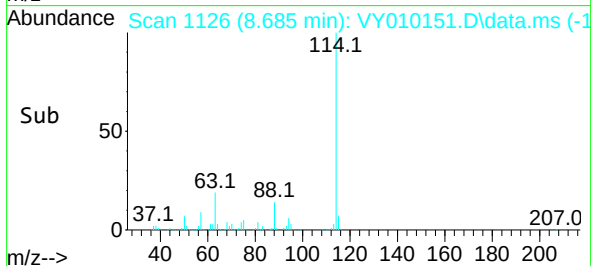
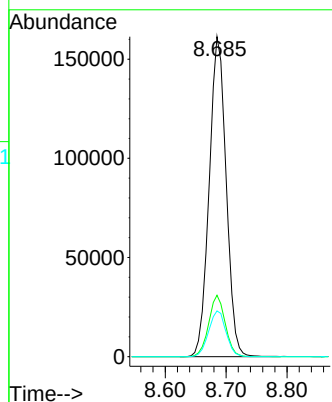
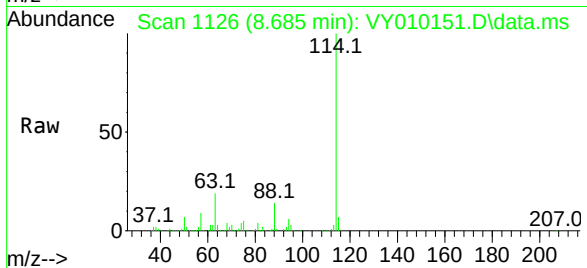
Tgt Ion:114 Resp: 311828

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.6

88 14.3 0.0 29.6



#35

Dibromofluoromethane

Concen: 49.444 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010151.D

Acq: 22 Aug 2022 18:08

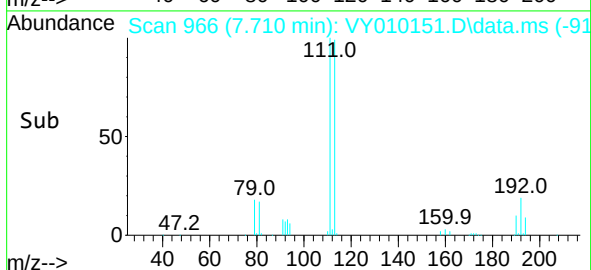
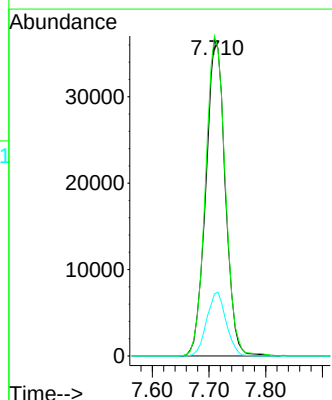
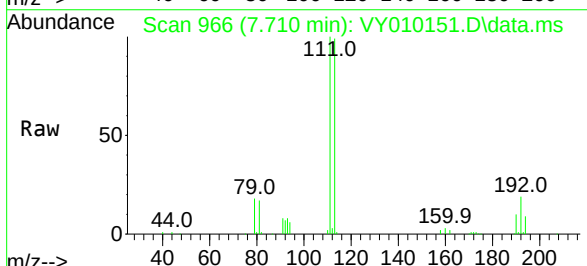
Tgt Ion:113 Resp: 86877

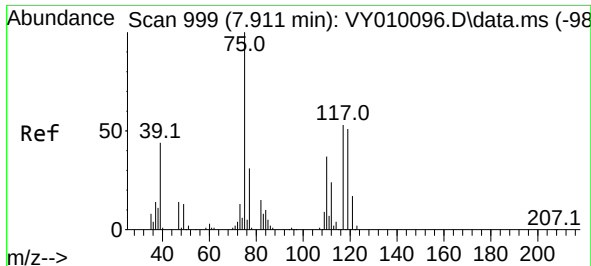
Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 20.1 16.3 24.5





#36

1,1-Dichloropropene

Concen: 4.315 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010151.D

Acq: 22 Aug 2022 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

SP-2

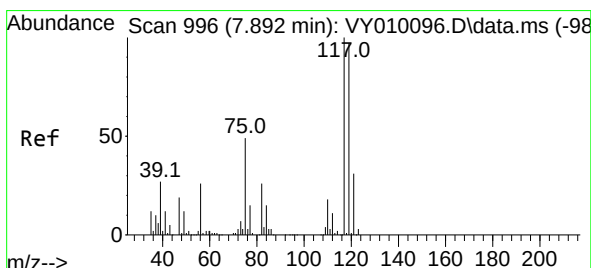
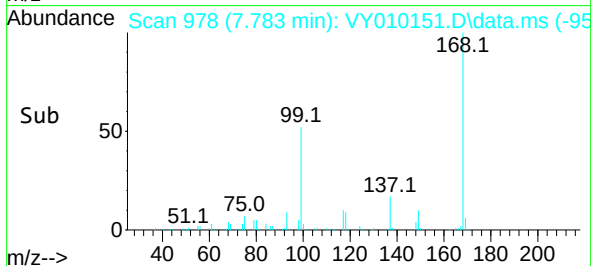
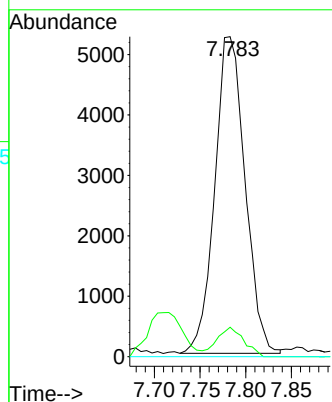
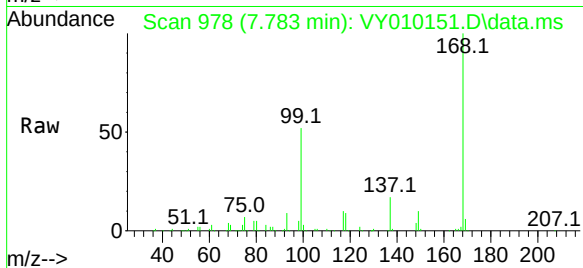
Tgt Ion: 75 Resp: 12102

Ion Ratio Lower Upper

75 100

110 8.2 18.6 56.0#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.285 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY010151.D

Acq: 22 Aug 2022 18:08

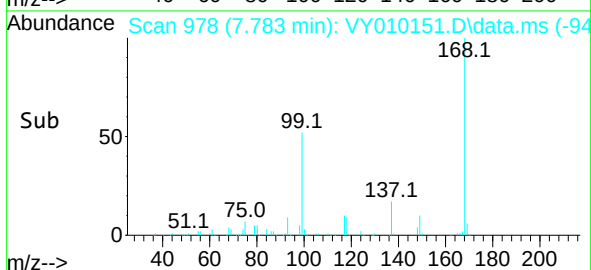
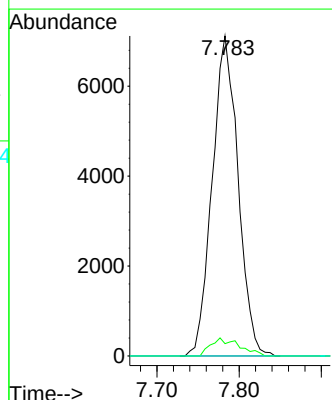
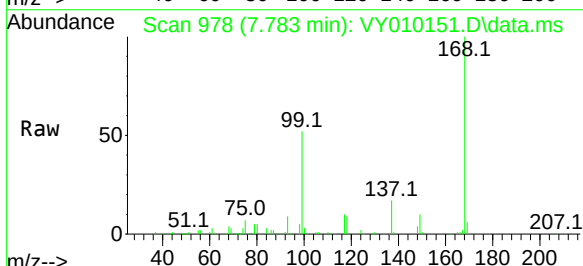
Tgt Ion: 117 Resp: 15544

Ion Ratio Lower Upper

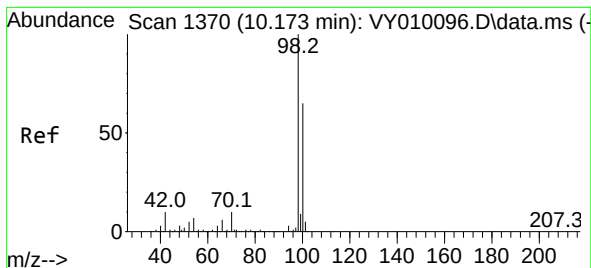
117 100

119 3.8 77.1 115.7#

121 0.0 24.7 37.1#







#50

Toluene-d8

Concen: 48.961 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY010151.D

Acq: 22 Aug 2022 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

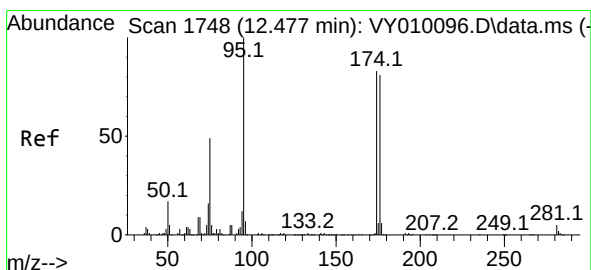
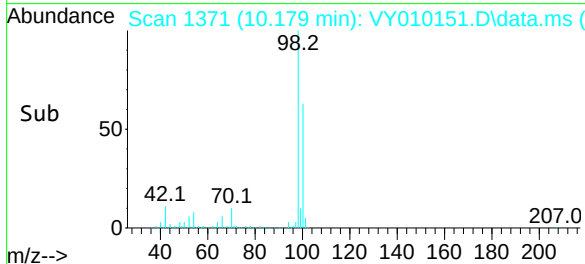
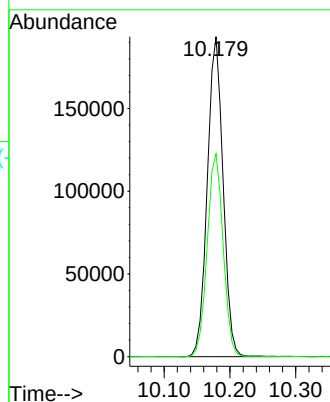
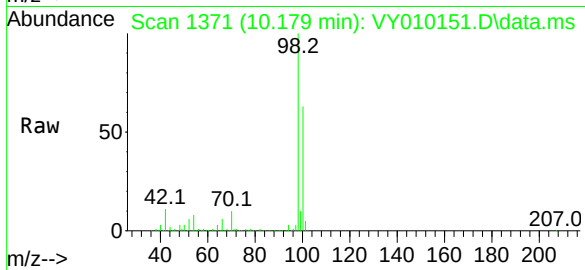
SP-2

Tgt Ion: 98 Resp: 322355

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 44.969 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY010151.D

Acq: 22 Aug 2022 18:08

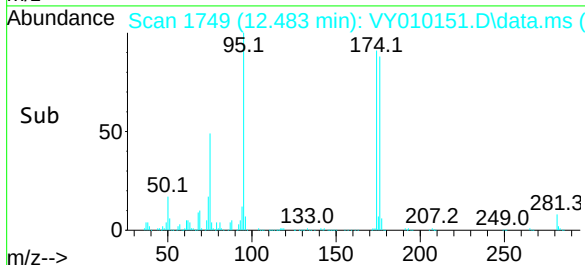
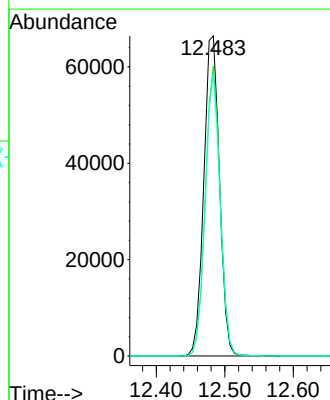
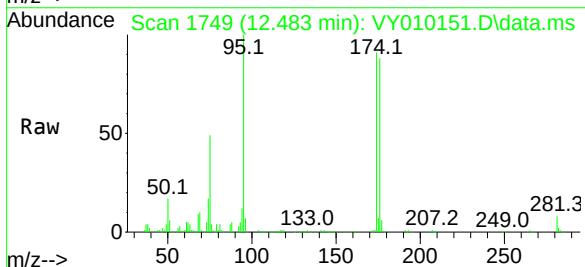
Tgt Ion: 95 Resp: 105785

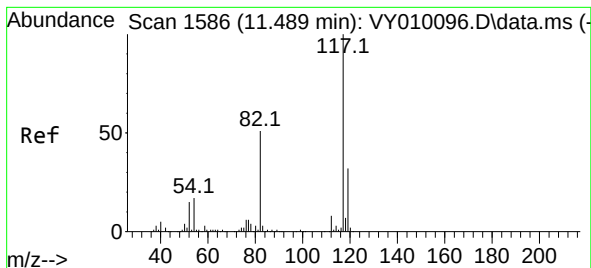
Ion Ratio Lower Upper

95 100

174 87.4 0.0 173.8

176 83.6 0.0 167.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010151.D

Acq: 22 Aug 2022 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

SP-2

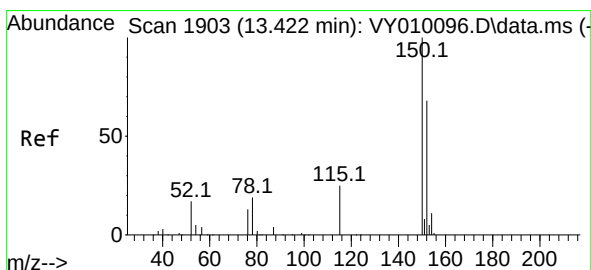
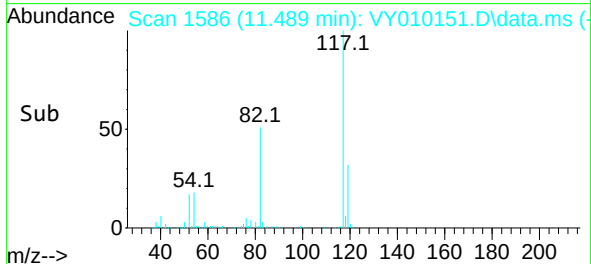
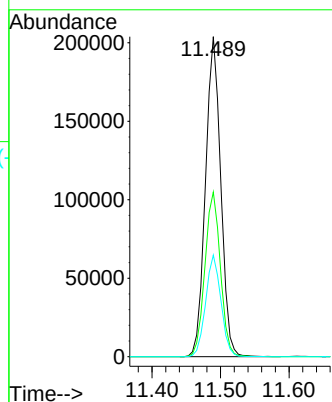
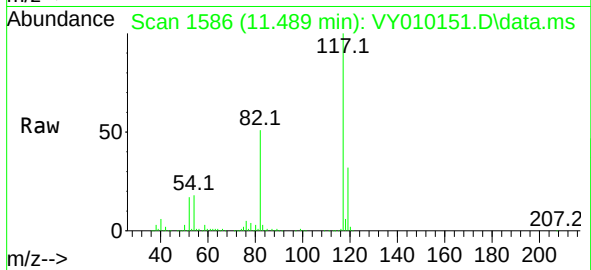
Tgt Ion:117 Resp: 316682

Ion Ratio Lower Upper

117 100

82 51.5 40.6 61.0

119 31.8 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY010151.D

Acq: 22 Aug 2022 18:08

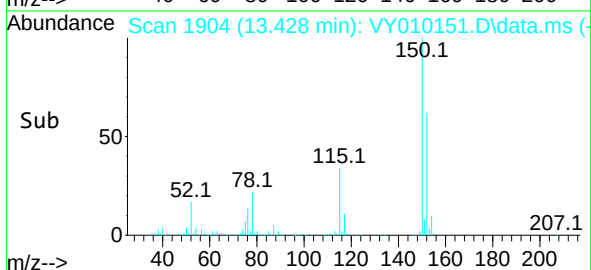
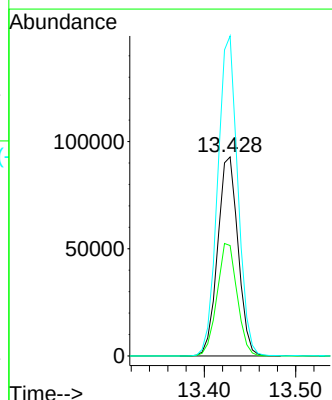
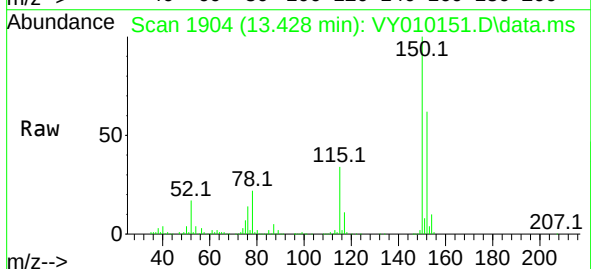
Tgt Ion:152 Resp: 144062

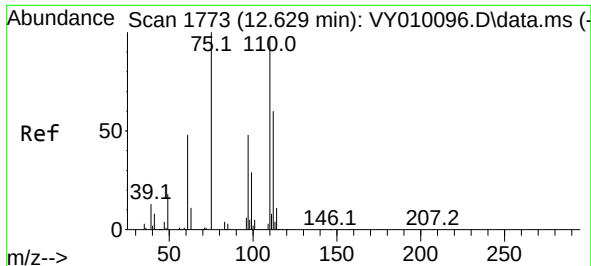
Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.2

150 158.2 0.0 346.2

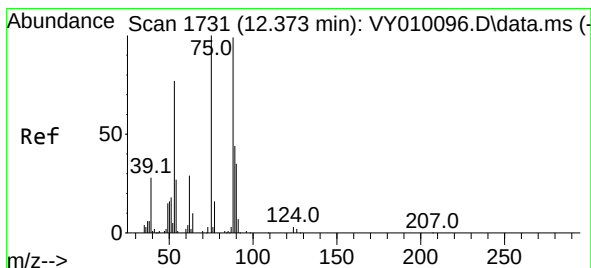
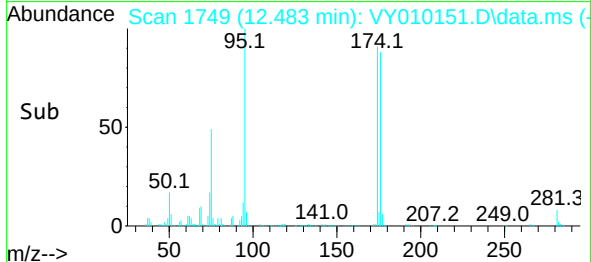
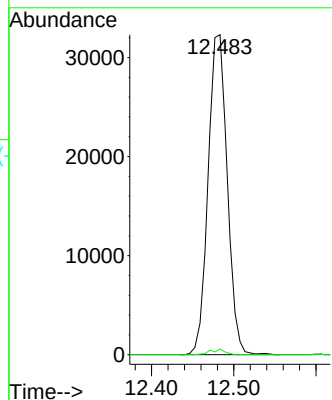
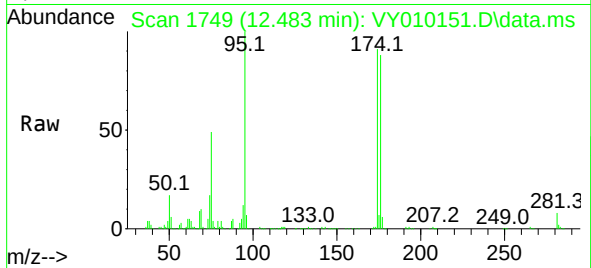




#76  
1,2,3-Trichloropropane  
Concen: 38.660 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY010151.D  
Acq: 22 Aug 2022 18:08

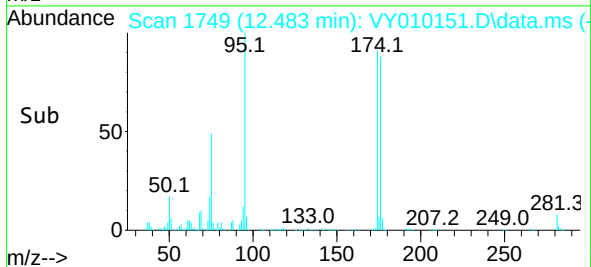
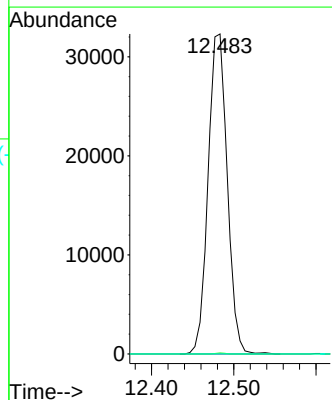
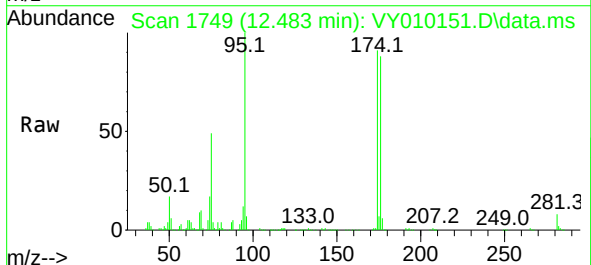
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-2

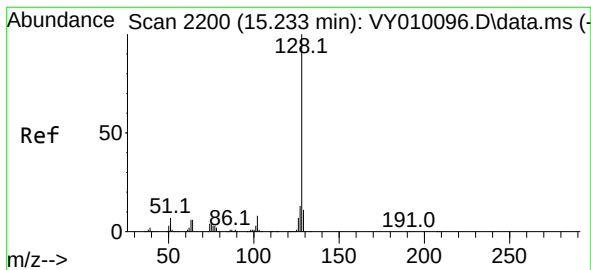
Tgt Ion: 75 Resp: 52159  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.648 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.110 min  
Lab File: VY010151.D  
Acq: 22 Aug 2022 18:08

Tgt Ion: 75 Resp: 52159  
Ion Ratio Lower Upper  
75 100  
53 0.1 62.6 94.0#  
89 0.0 36.8 55.2#





#95

Naphthalene

Concen: 3.982 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.012 min

Lab File: VY010151.D

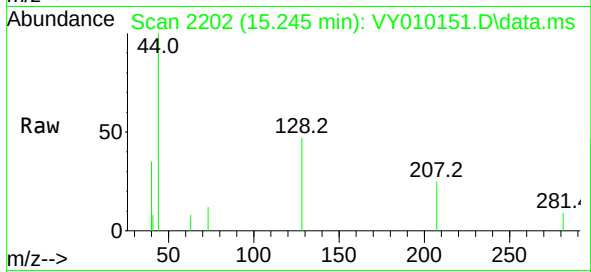
Acq: 22 Aug 2022 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

SP-2



Tgt Ion:128 Resp: 566

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.9 13.3#

