

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030422\  
 Data File : VY007743.D  
 Acq On : 04 Mar 2022 15:43  
 Operator : SY/MD  
 Sample : N1785-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Mar 05 04:24:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 01 09:08:03 2022  
 Response via : Initial Calibration

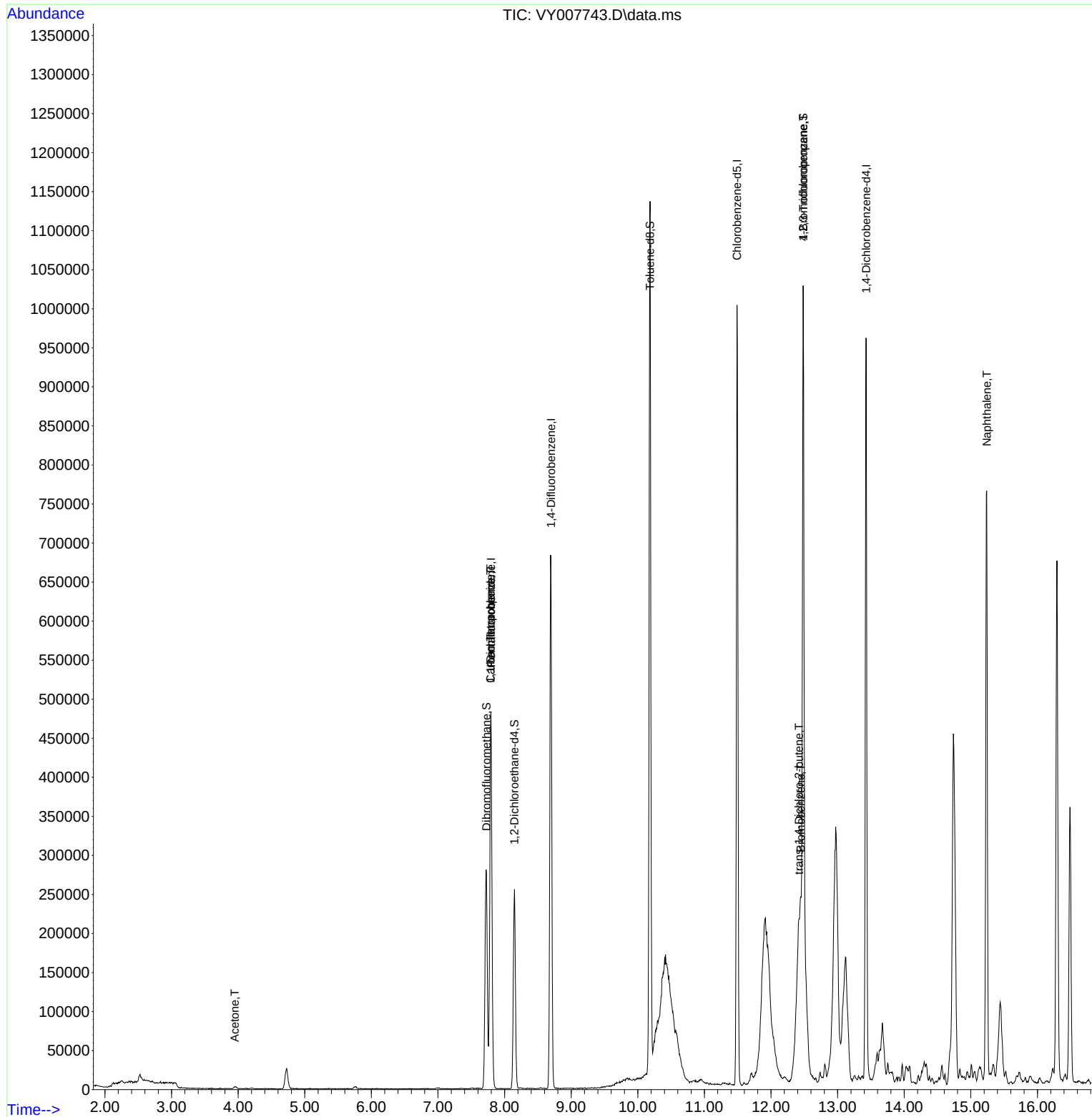
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 388983   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 602751   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 545730   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 240940   | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.148  | 65    | 191960   | 47.138    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 94.280%  |
| 35) Dibromofluoromethane      | 7.728  | 113   | 196775   | 51.063    | ug/l   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 102.120% |
| 50) Toluene-d8                | 10.184 | 98    | 742334   | 52.331    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 104.660% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 217536   | 47.575    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 95.140%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
| 2) Dichlorodifluoromethane    | 1.912  | 85    | 404      | Below Cal | #      | 43       |
| 3) Chloromethane              | 2.113  | 50    | 1432     | Below Cal |        | 92       |
| 13) Acrolein                  | 3.728  | 56    | 91       | Below Cal | #      | 51       |
| 16) Acetone                   | 3.948  | 43    | 5135     | 6.199     | ug/l   | 93       |
| 17) Carbon Disulfide          | 4.210  | 76    | 1659     | Below Cal | #      | 75       |
| 18) Methyl Acetate            | 4.478  | 43    | 74       | Below Cal | #      | 56       |
| 31) Cyclohexane               | 7.795  | 56    | 7970     | Below Cal | #      | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 29286    | 4.831     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 36373    | 5.625     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 129832   | 48.252    | ug/l # | 100      |
| 77) Bromobenzene              | 12.446 | 156   | 270841   | 62.644    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.422 | 75    | 6632     | 5.039     | ug/l # | 20       |
| 95) Naphthalene               | 15.238 | 128   | 633174   | 64.353    | ug/l   | 99       |
| -----                         |        |       |          |           |        |          |

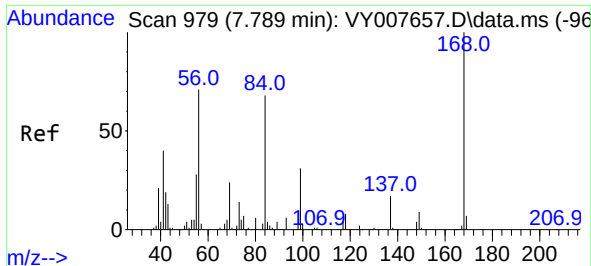
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030422\  
Data File : VY007743.D  
Acq On : 04 Mar 2022 15:43  
Operator : SY/MD  
Sample : N1785-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Mar 05 04:24:44 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022822S.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 01 09:08:03 2022  
Response via : Initial Calibration

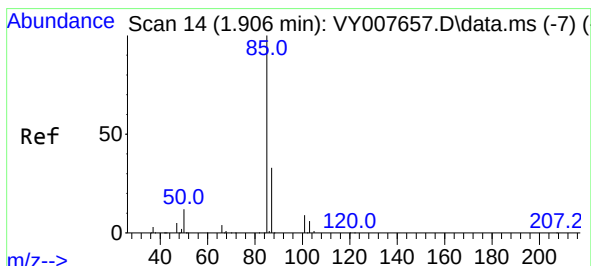
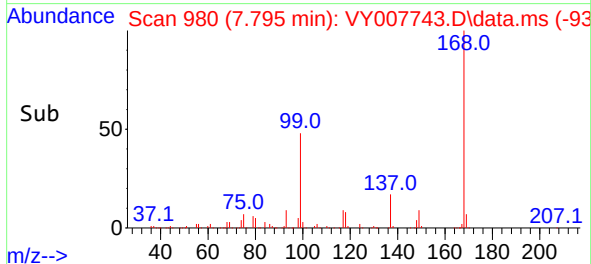
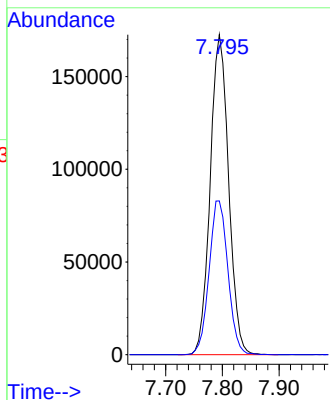
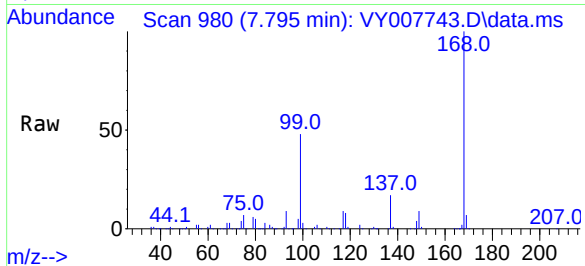




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

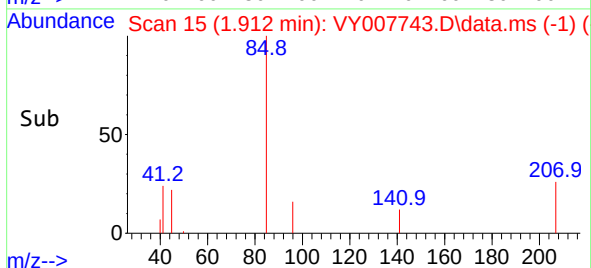
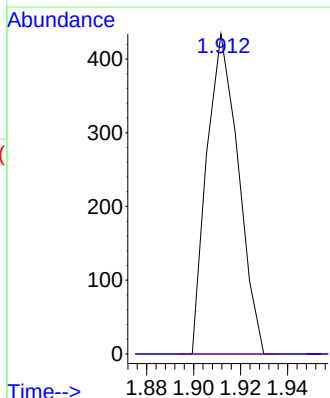
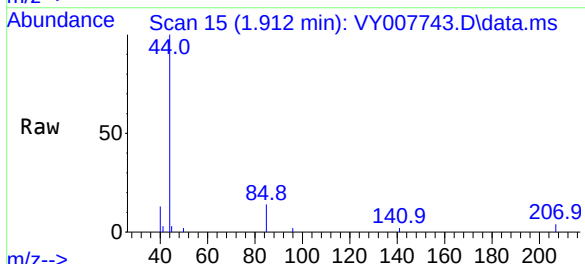
Instrument :  
MSVOA\_Y  
ClientSampleId :

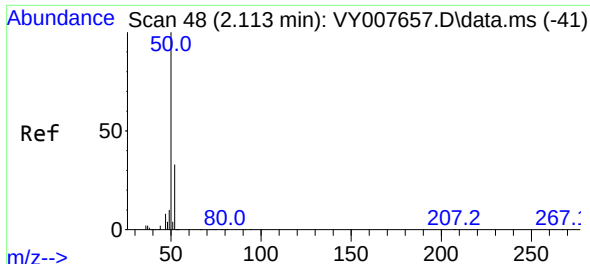
Tgt Ion:168 Resp: 388983  
Ion Ratio Lower Upper  
168 100  
99 48.1 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.912 min Scan# 15  
Delta R.T. 0.006 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

Tgt Ion: 85 Resp: 404  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#

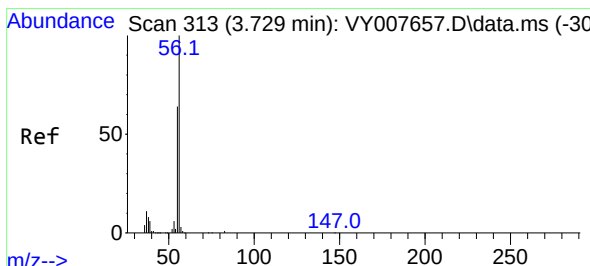
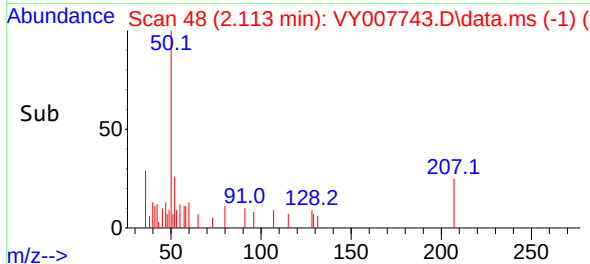
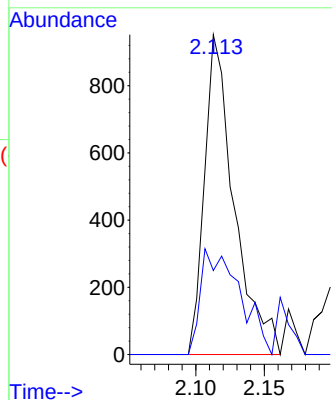
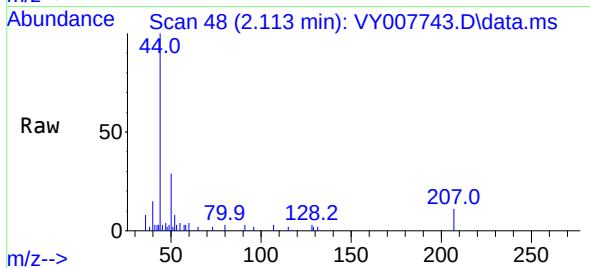




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

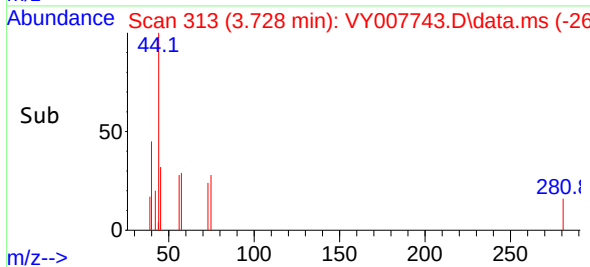
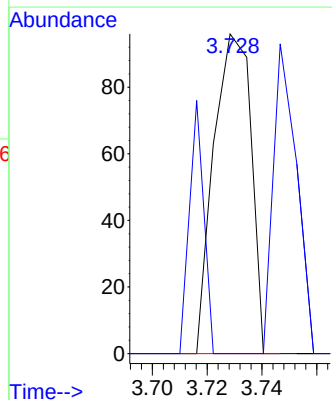
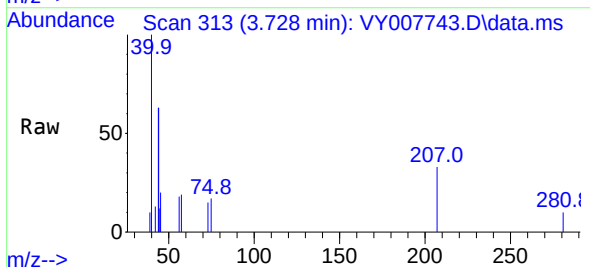
Instrument :  
MSVOA\_Y  
ClientSampleId :

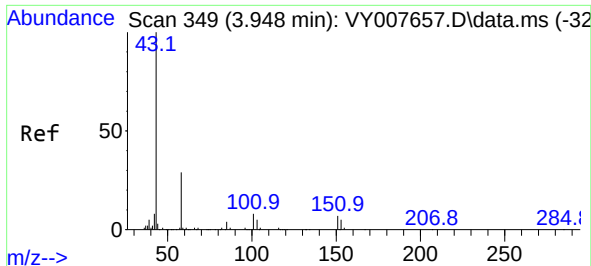
Tgt Ion: 50 Resp: 1432  
Ion Ratio Lower Upper  
50 100  
52 26.3 24.6 37.0



#13  
Acrolein  
Concen: Below Cal  
RT: 3.728 min Scan# 313  
Delta R.T. -0.001 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

Tgt Ion: 56 Resp: 91  
Ion Ratio Lower Upper  
56 100  
55 30.8 57.6 86.4

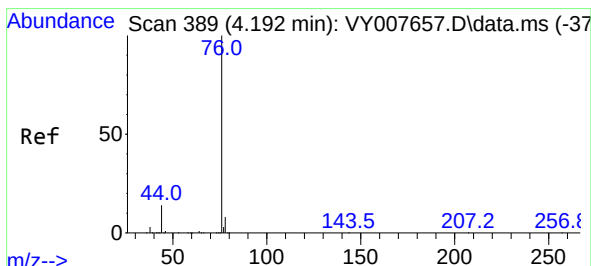
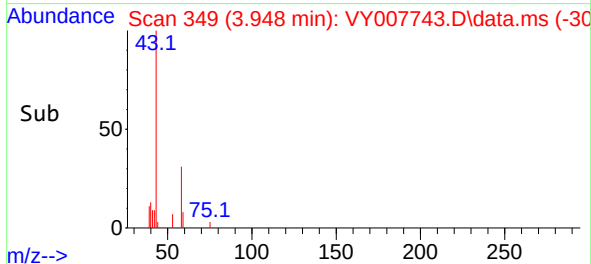
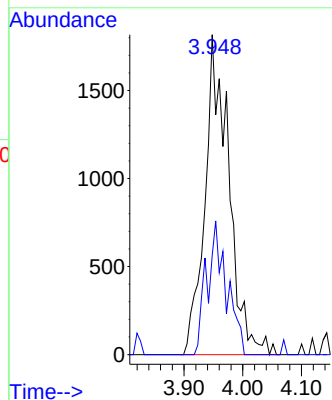
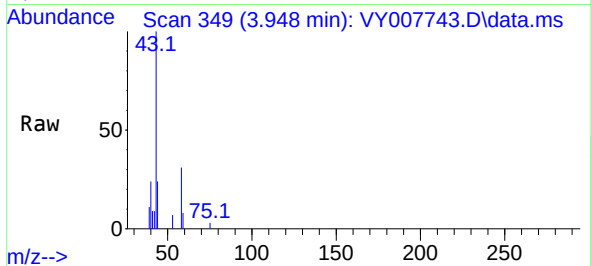




#16  
Acetone  
Concen: 6.199 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.000 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

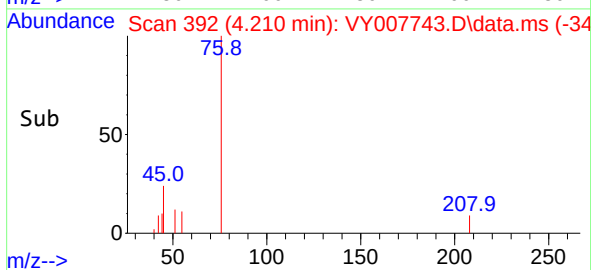
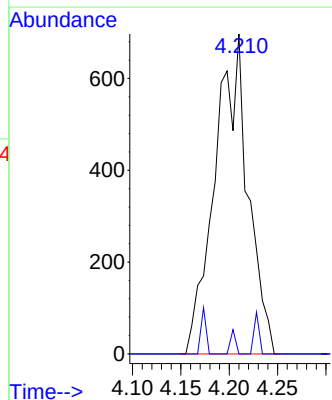
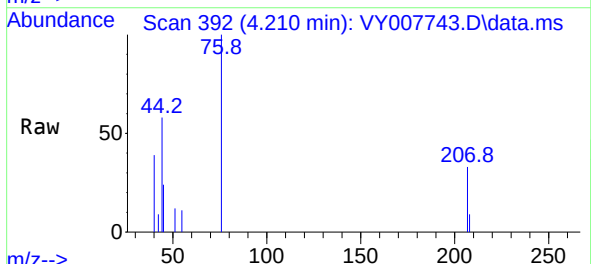
Instrument :  
MSVOA\_Y  
ClientSampleId :

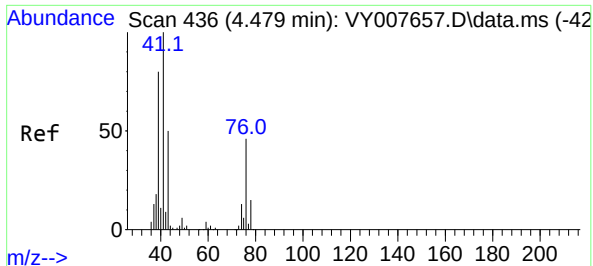
Tgt Ion: 43 Resp: 5135  
Ion Ratio Lower Upper  
43 100  
58 30.9 22.0 33.0



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.210 min Scan# 392  
Delta R.T. 0.018 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

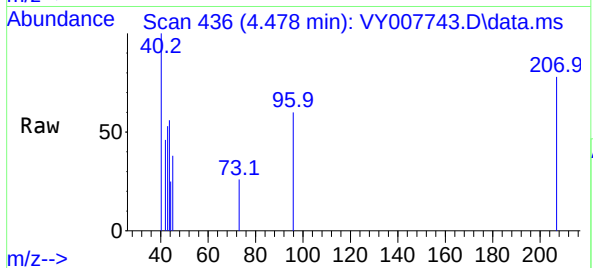
Tgt Ion: 76 Resp: 1659  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#



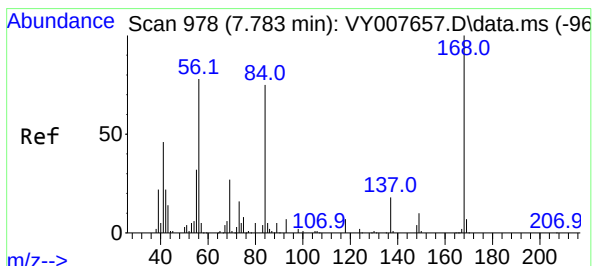
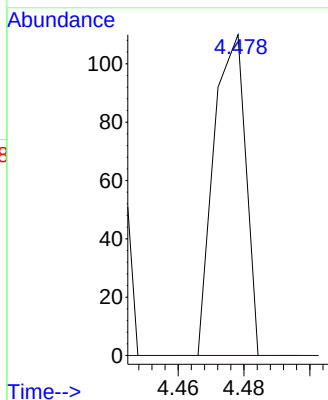
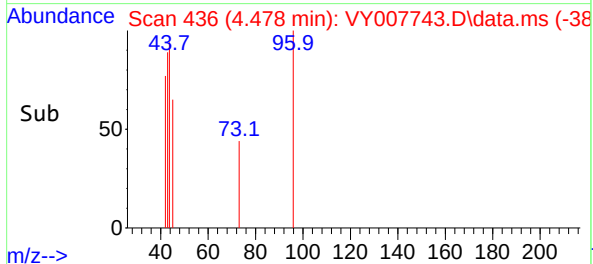


#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.478 min Scan# 41  
Delta R.T. -0.001 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

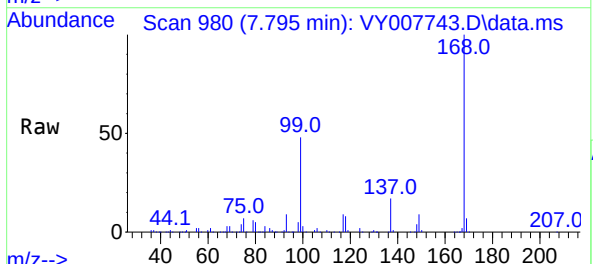
Instrument :  
MSVOA\_Y  
ClientSampleId :



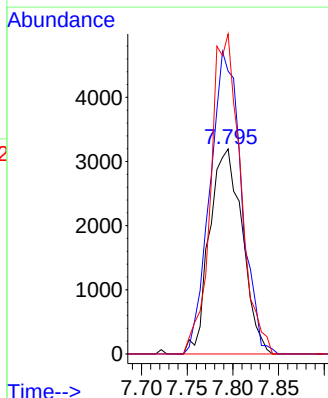
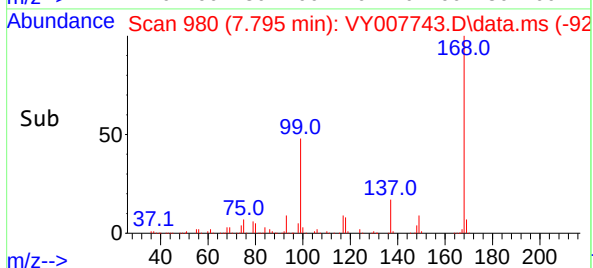
Tgt Ion: 43 Resp: 74  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#

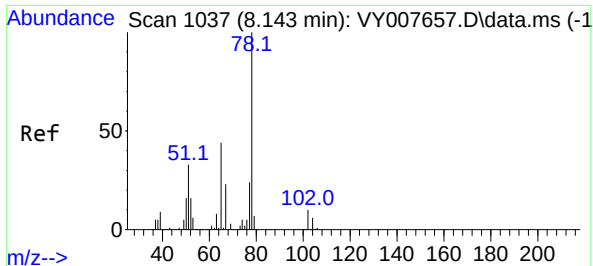


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.795 min Scan# 980  
Delta R.T. 0.012 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43



Tgt Ion: 56 Resp: 7970  
Ion Ratio Lower Upper  
56 100  
69 137.9 26.7 40.1#  
84 156.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 47.138 ug/l

RT: 8.148 min Scan# 1

Delta R.T. 0.005 min

Lab File: VY007743.D

Acq: 04 Mar 2022 15:43

Instrument :

MSVOA\_Y

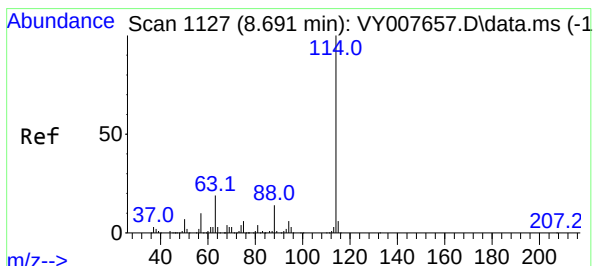
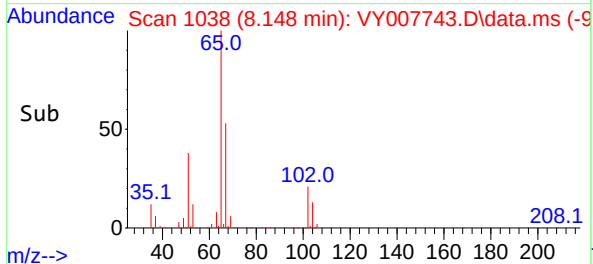
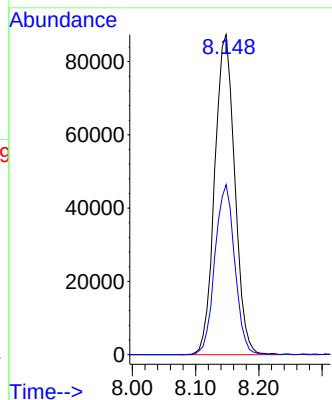
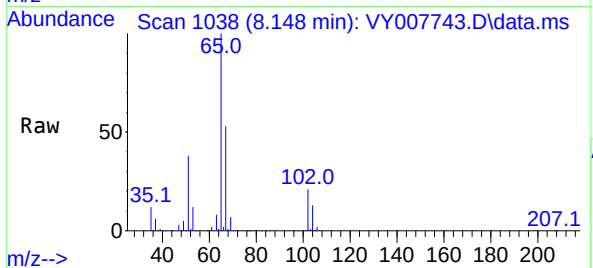
ClientSampleId :

Tgt Ion: 65 Resp: 191960

Ion Ratio Lower Upper

65 100

67 52.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY007743.D

Acq: 04 Mar 2022 15:43

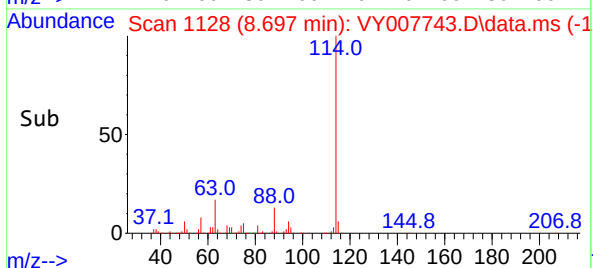
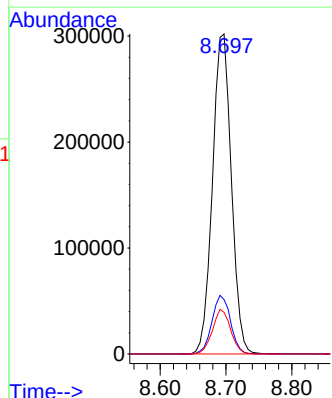
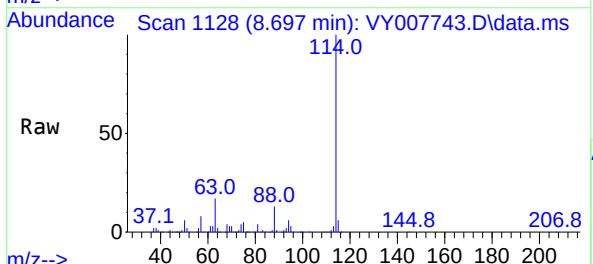
Tgt Ion: 114 Resp: 602751

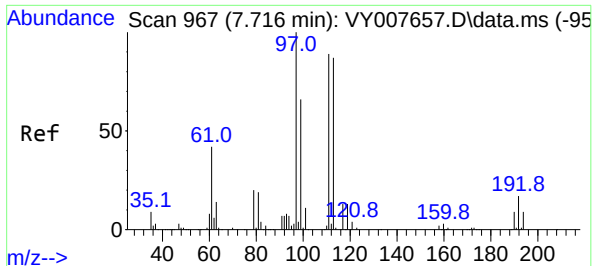
Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

88 13.0 0.0 31.8

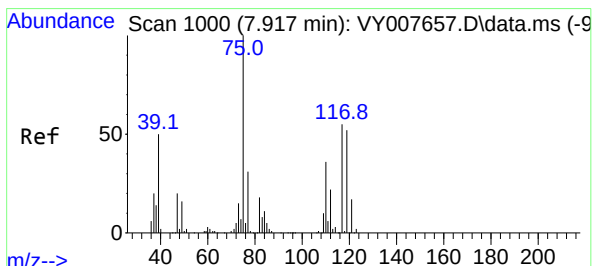
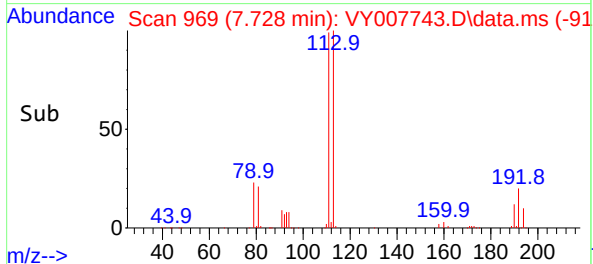
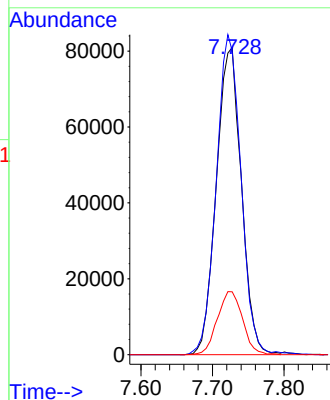
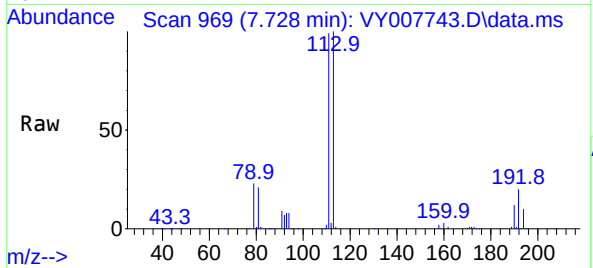




#35  
Dibromofluoromethane  
Concen: 51.063 ug/l  
RT: 7.728 min Scan# 910  
Delta R.T. 0.012 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

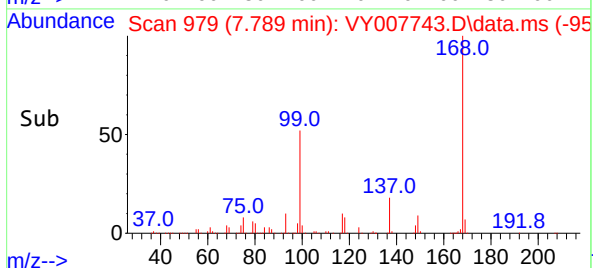
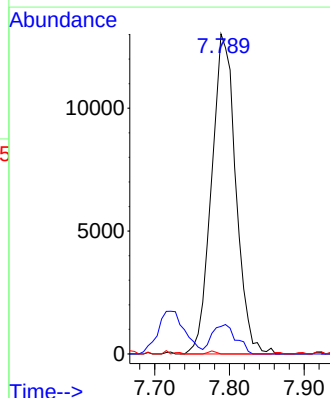
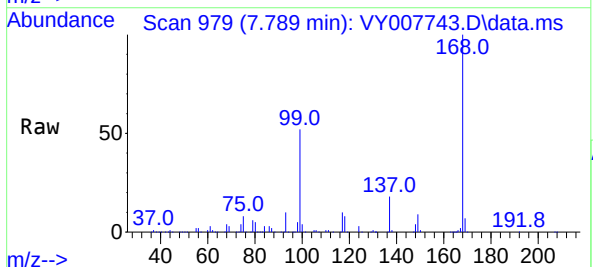
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:113 Resp: 196775  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.6 124.0  
192 20.7 17.6 26.4

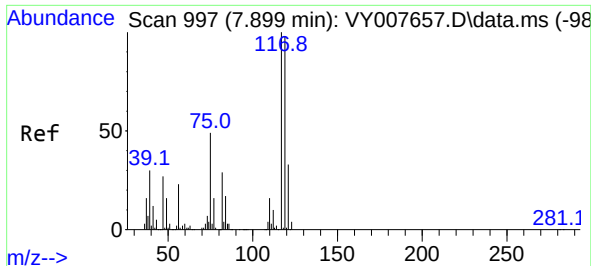


#36  
1,1-Dichloropropene  
Concen: 4.831 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.128 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

Tgt Ion: 75 Resp: 29286  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.1 51.2#  
77 0.3 24.4 36.6#

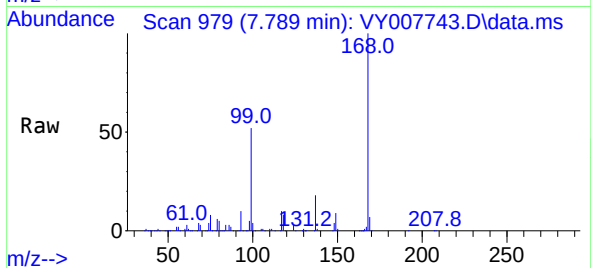




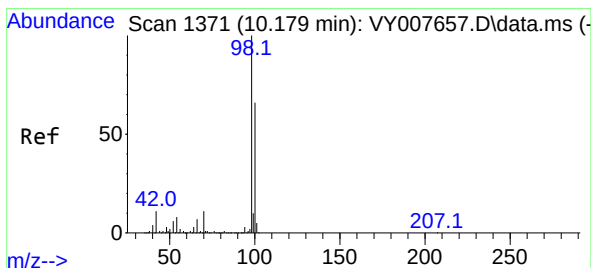
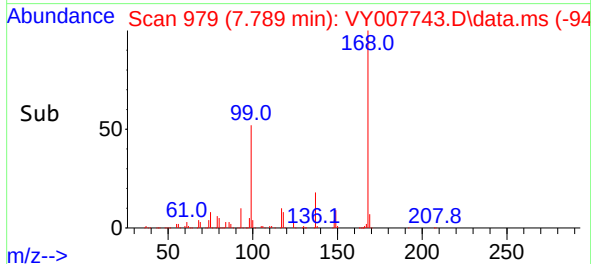
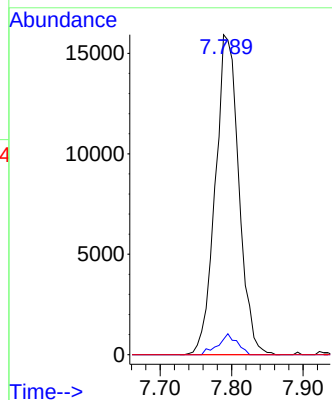


#38  
Carbon Tetrachloride  
Concen: 5.625 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

Instrument :  
MSVOA\_Y  
ClientSampleId :

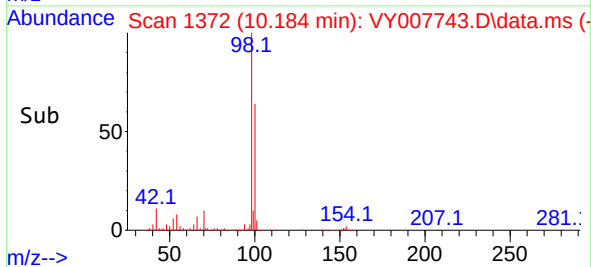
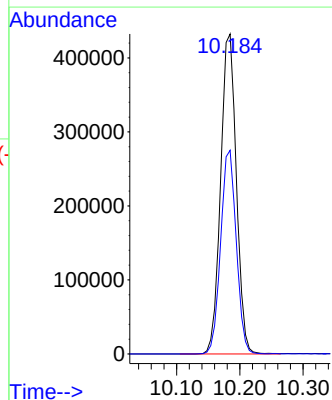
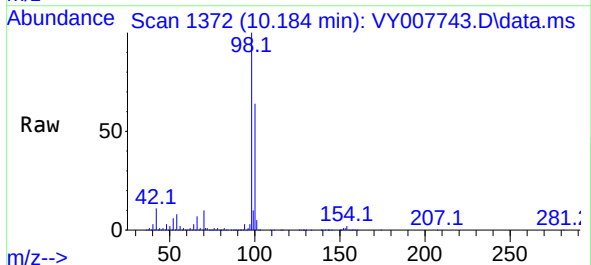


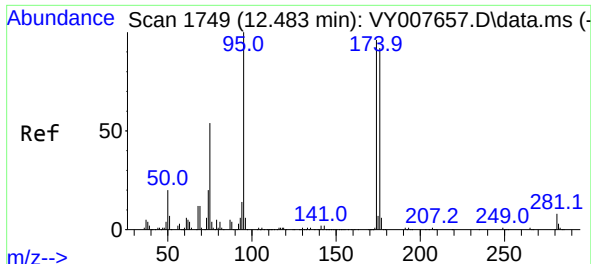
Tgt Ion:117 Resp: 36373  
Ion Ratio Lower Upper  
117 100  
119 4.8 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 52.331 ug/l  
RT: 10.184 min Scan# 1372  
Delta R.T. 0.005 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

Tgt Ion: 98 Resp: 742334  
Ion Ratio Lower Upper  
98 100  
100 63.2 50.2 75.2

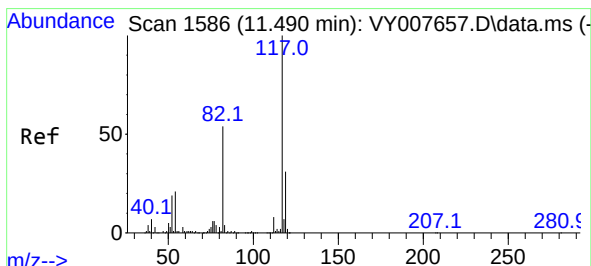
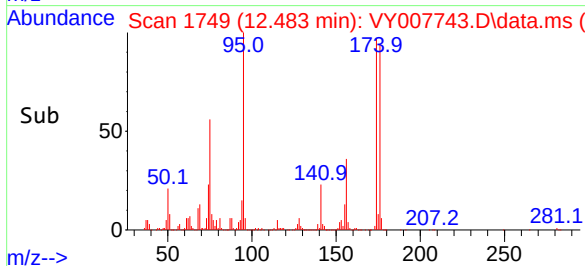
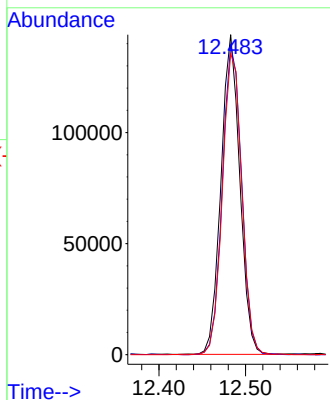
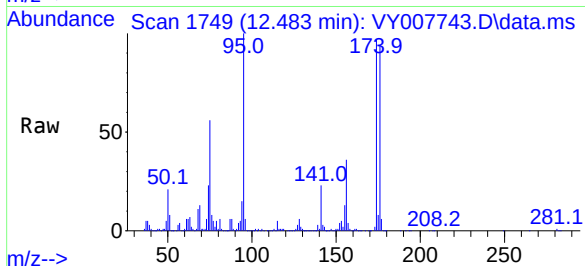




#62  
4-Bromofluorobenzene  
Concen: 47.575 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

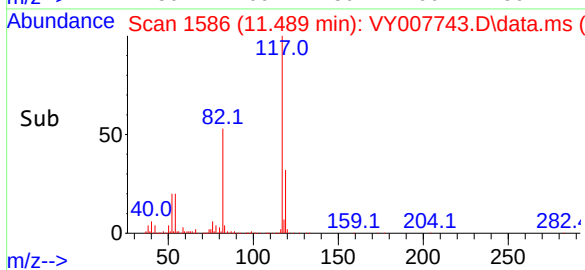
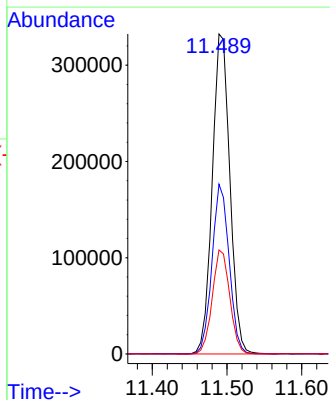
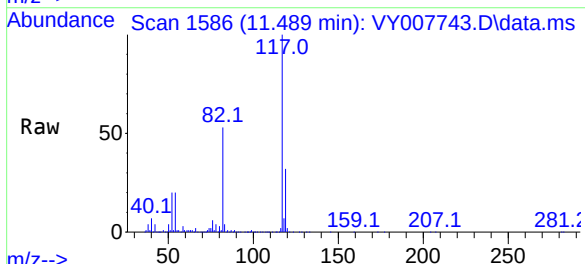
Instrument :  
MSVOA\_Y  
ClientSampleId :

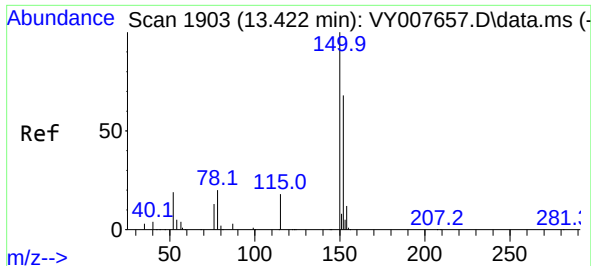
Tgt Ion: 95 Resp: 217536  
Ion Ratio Lower Upper  
95 100  
174 98.8 0.0 177.0  
176 96.8 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

Tgt Ion: 117 Resp: 545730  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.0 64.4  
119 32.5 25.4 38.0

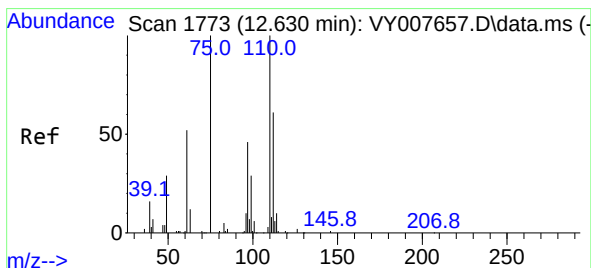
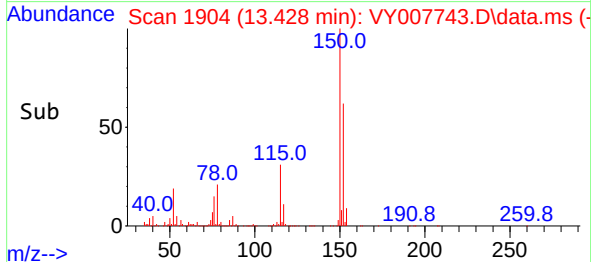
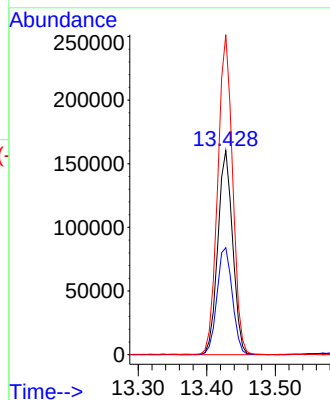
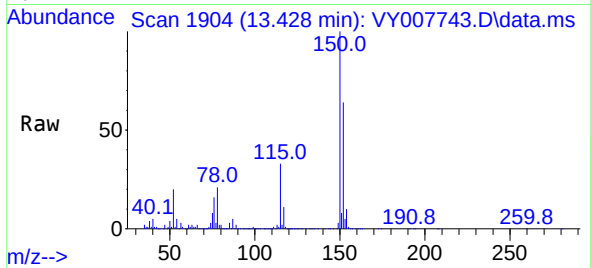




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1903  
 Delta R.T. 0.006 min  
 Lab File: VY007743.D  
 Acq: 04 Mar 2022 15:43

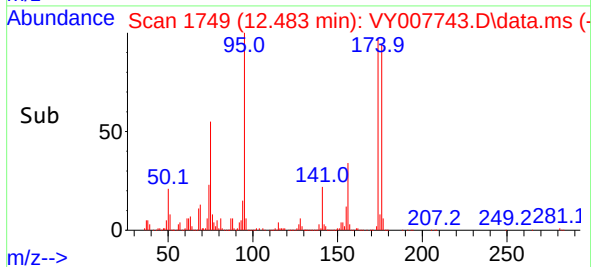
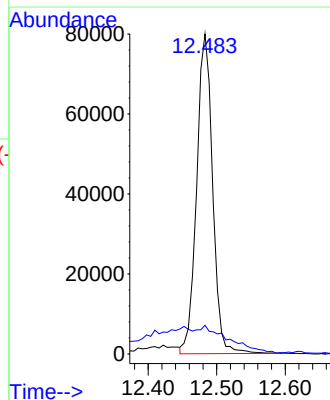
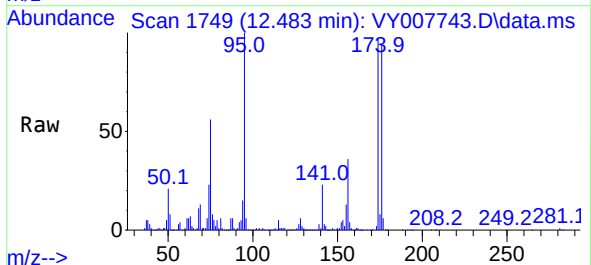
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

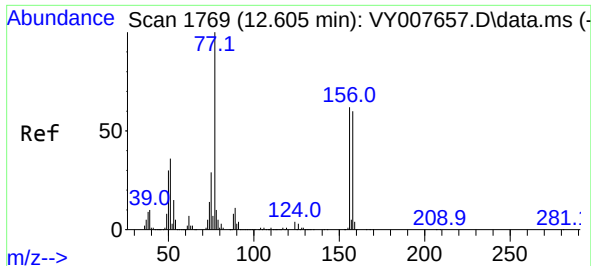
Tgt Ion:152 Resp: 240940  
 Ion Ratio Lower Upper  
 152 100  
 115 54.5 28.2 84.7  
 150 157.4 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 48.252 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.147 min  
 Lab File: VY007743.D  
 Acq: 04 Mar 2022 15:43

Tgt Ion: 75 Resp: 129832  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0

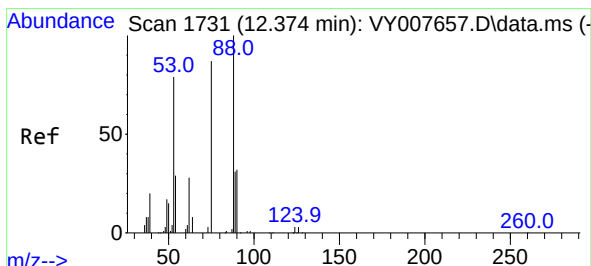
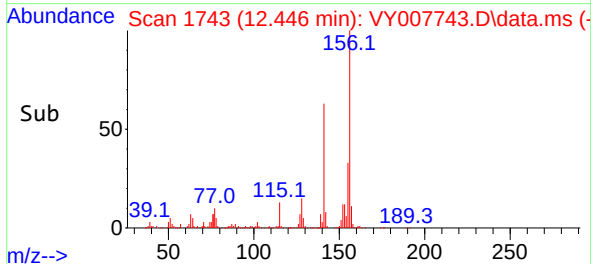
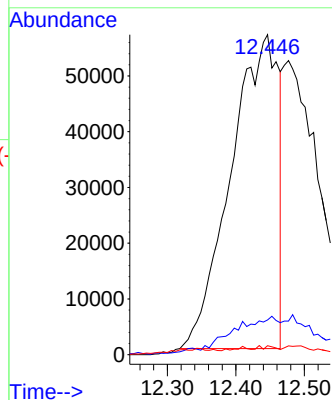
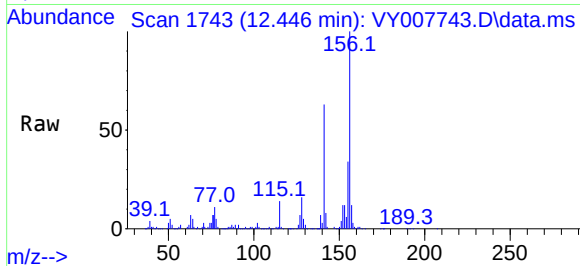




#77  
Bromobenzene  
Concen: 62.644 ug/l  
RT: 12.446 min Scan# 1769  
Delta R.T. -0.159 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

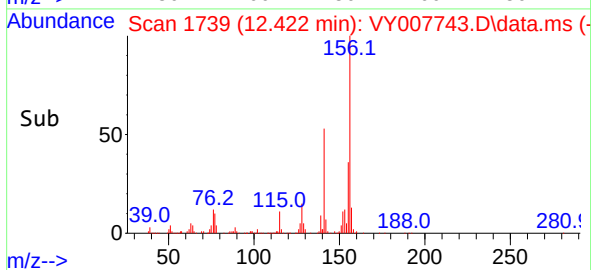
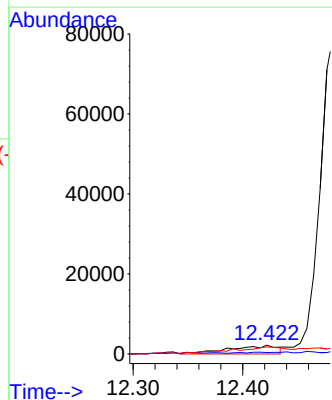
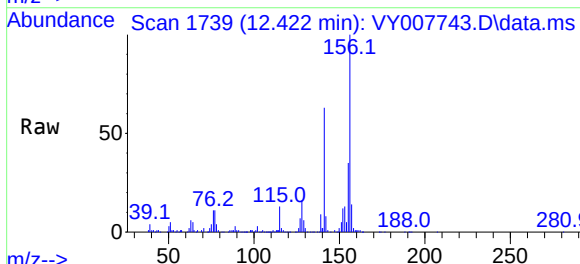
Instrument :  
MSVOA\_Y  
ClientSampleId :

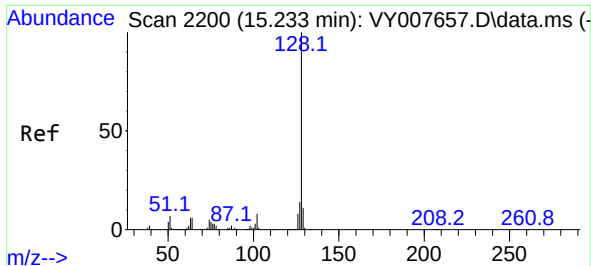
Tgt Ion:156 Resp: 270841  
Ion Ratio Lower Upper  
156 100  
77 9.6 95.5 286.4#  
158 0.2 48.0 144.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.039 ug/l  
RT: 12.422 min Scan# 1739  
Delta R.T. 0.048 min  
Lab File: VY007743.D  
Acq: 04 Mar 2022 15:43

Tgt Ion: 75 Resp: 6632  
Ion Ratio Lower Upper  
75 100  
53 6.6 85.3 127.9#  
89 19.3 37.0 55.4#





#95

Naphthalene

Concen: 64.353 ug/l

RT: 15.238 min Scan# 21

Delta R.T. 0.005 min

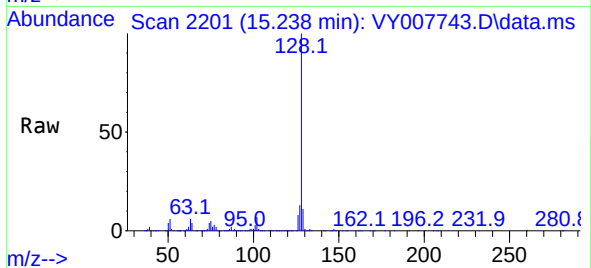
Lab File: VY007743.D

Acq: 04 Mar 2022 15:43

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion:128 Resp: 633174

Ion Ratio Lower Upper

128 100

127 13.4 11.0 16.4

129 11.1 8.4 12.6

