

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030722\  
 Data File : VY007770.D  
 Acq On : 07 Mar 2022 20:38  
 Operator : SY/MD  
 Sample : N1806-05  
 Misc : 5.33g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Mar 08 03:05:22 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

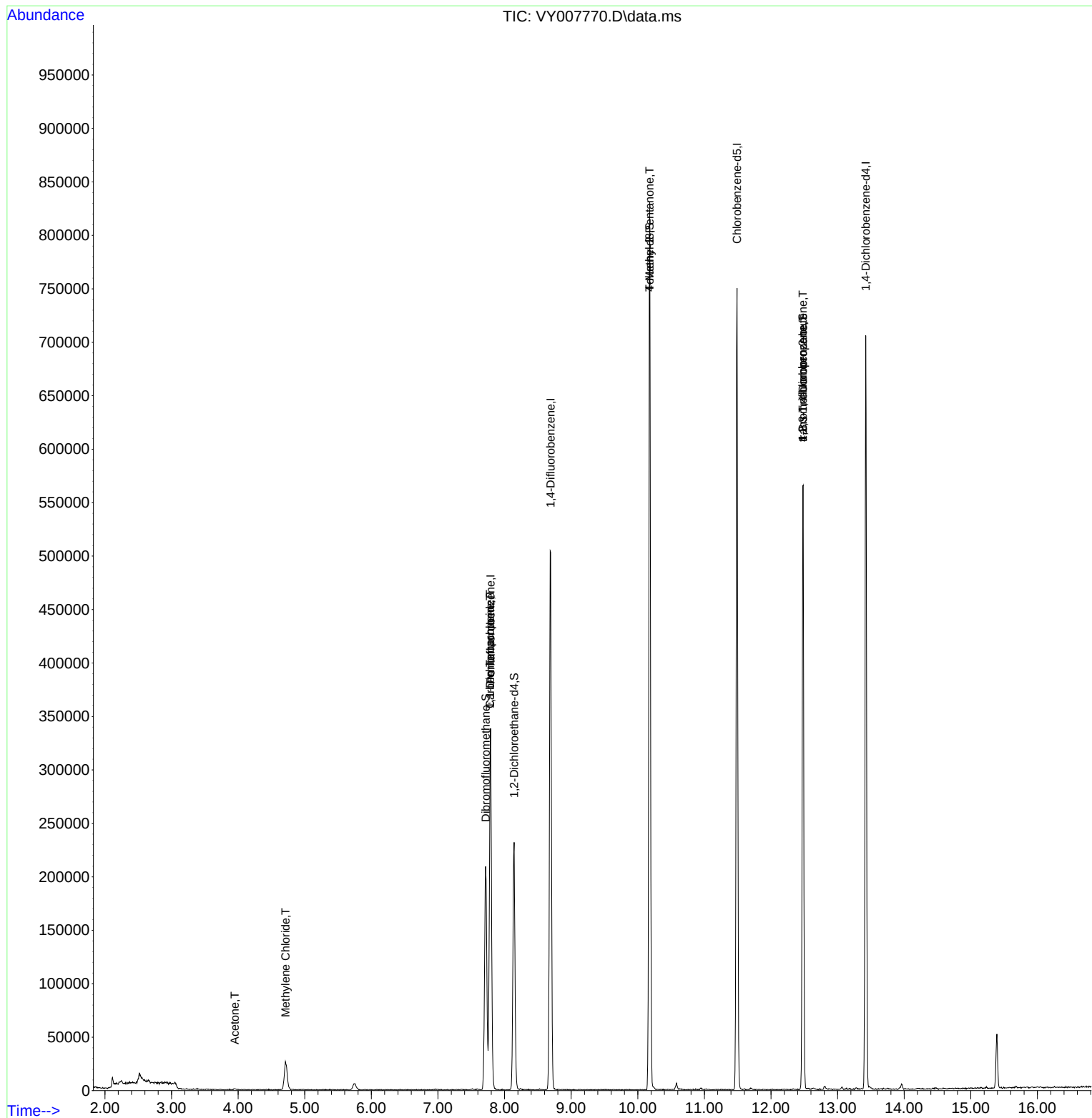
| Compound                      | R.T.           | QIon | Response            | Conc         | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------------|--------|----------|
| -----                         |                |      |                     |              |        |          |
| Internal Standards            |                |      |                     |              |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 246398              | 50.000       | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 419111              | 50.000       | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490         | 117  | 384799              | 50.000       | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 165777              | 50.000       | ug/l   | 0.00     |
|                               |                |      |                     |              |        |          |
| System Monitoring Compounds   |                |      |                     |              |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143          | 65   | 168684              | 65.393       | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 130.780% |              |        |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 142491              | 53.178       | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 106.360% |              |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 519807              | 52.700       | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 105.400% |              |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 152436              | 47.945       | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 95.880%  |              |        |          |
|                               |                |      |                     |              |        |          |
| Target Compounds              |                |      |                     |              |        |          |
|                               |                |      |                     |              | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.900          | 85   | 72                  | Below Cal    | #      | 43       |
| 3) Chloromethane              | 2.113          | 50   | 6277                | Below Cal    |        | 91       |
| 13) Acrolein                  | 3.723          | 56   | 39                  | Below Cal    |        | 94       |
| 16) Acetone                   | 3.948          | 43   | 945                 | 1.801 ug/l   | #      | 64       |
| 17) Carbon Disulfide          | 3.918          | 76   | 24                  | Below Cal    | #      | 75       |
| 18) Methyl Acetate            | 4.460          | 43   | 78                  | Below Cal    | #      | 56       |
| 20) Methylene Chloride        | 4.710          | 84   | 18027               | 3.076 ug/l   |        | 91       |
| 31) Cyclohexane               | 7.789          | 56   | 6464                | Below Cal    | #      | 22       |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 20876               | 4.953 ug/l   | #      | 51       |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 26317               | 5.853 ug/l   | #      | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.179         | 43   | 2428                | 1.054 ug/l   | #      | 1        |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 92038               | 49.714 ug/l  | #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 92038               | 101.635 ug/l | #      | 7        |
| -----                         |                |      |                     |              |        |          |

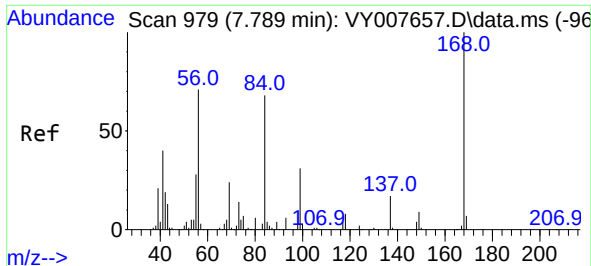
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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QLast Update : Tue Mar 01 09:08:03 2022  
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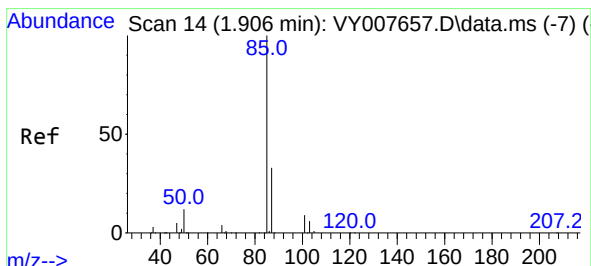
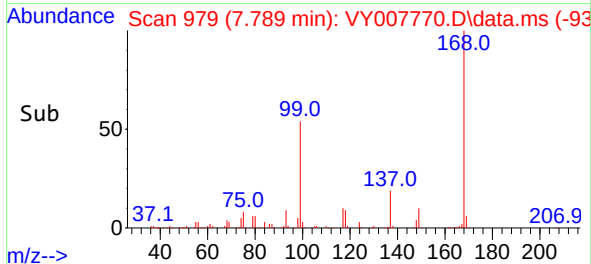
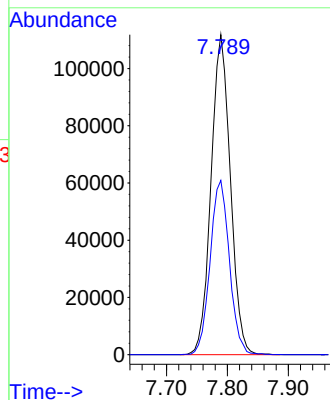
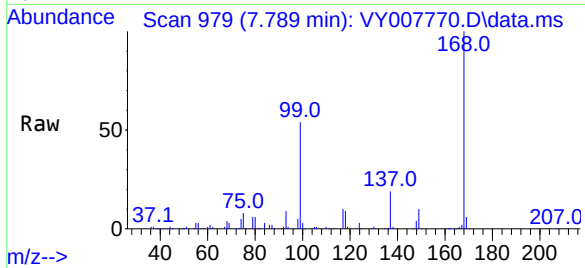




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY007770.D  
Acq: 07 Mar 2022 20:38

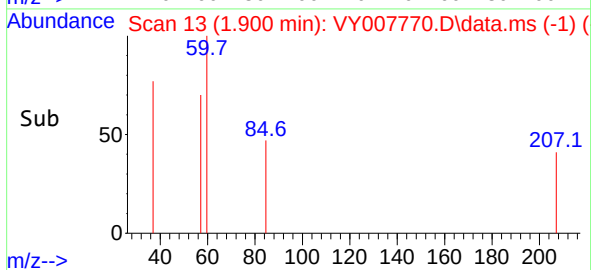
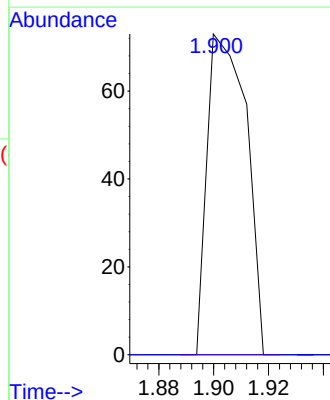
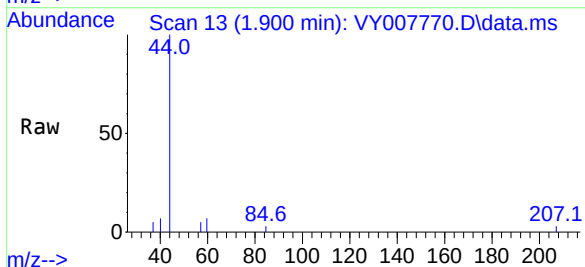
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 246398  
Ion Ratio Lower Upper  
168 100  
99 54.5 46.9 70.3

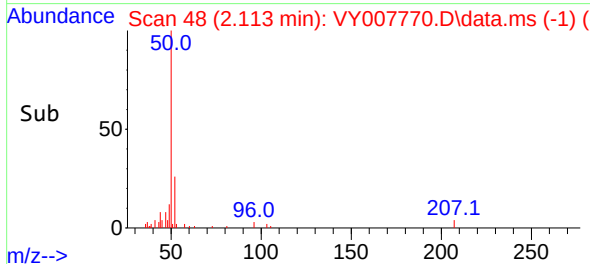
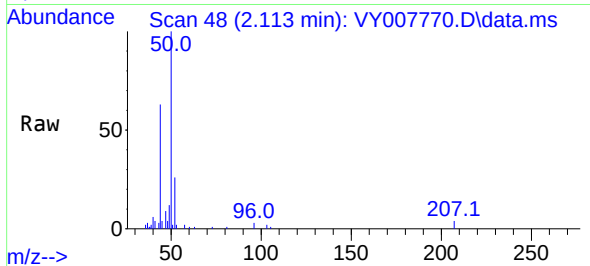
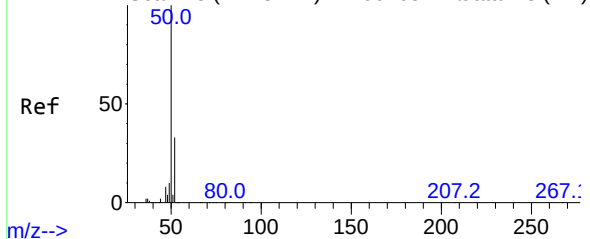


#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.900 min Scan# 13  
Delta R.T. -0.006 min  
Lab File: VY007770.D  
Acq: 07 Mar 2022 20:38

Tgt Ion: 85 Resp: 72  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY007770.D

Acq: 07 Mar 2022 20:38

Instrument :

MSVOA\_Y

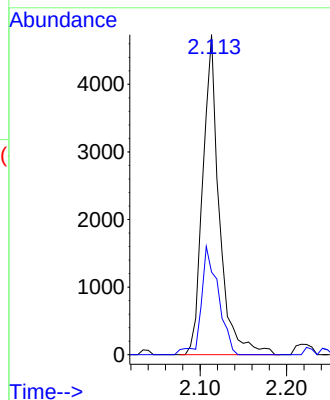
ClientSampleId :

Tgt Ion: 50 Resp: 6277

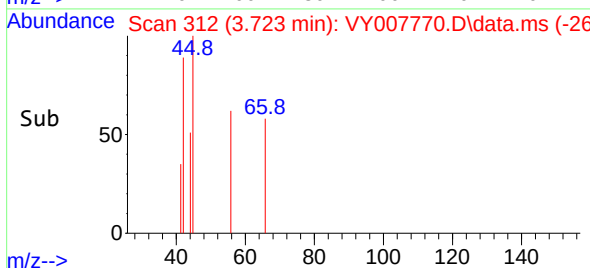
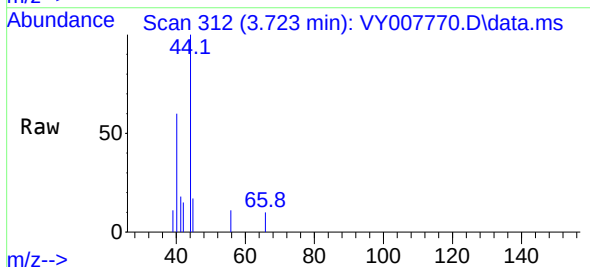
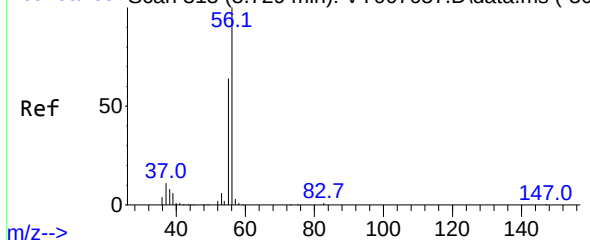
Ion Ratio Lower Upper

50 100

52 25.8 24.6 37.0



Abundance Scan 313 (3.729 min): VY007657.D\data.ms (-30)



#13

Acrolein

Concen: Below Cal

RT: 3.723 min Scan# 312

Delta R.T. -0.006 min

Lab File: VY007770.D

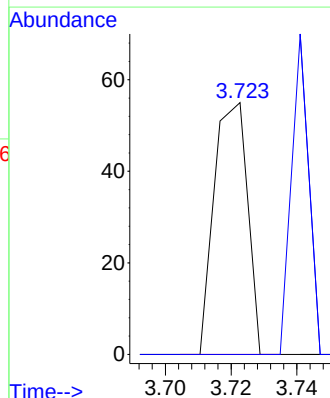
Acq: 07 Mar 2022 20:38

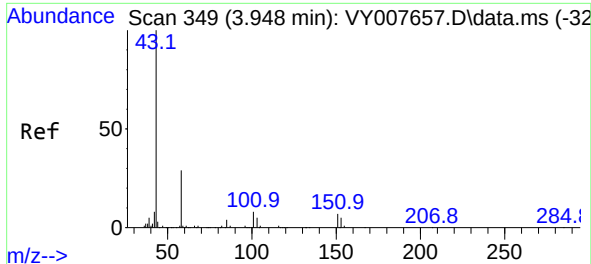
Tgt Ion: 56 Resp: 39

Ion Ratio Lower Upper

56 100

55 66.7 57.6 86.4





#16

Acetone

Concen: 1.801 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY007770.D

Acq: 07 Mar 2022 20:38

Instrument :

MSVOA\_Y

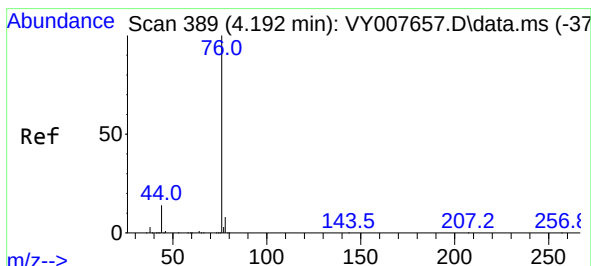
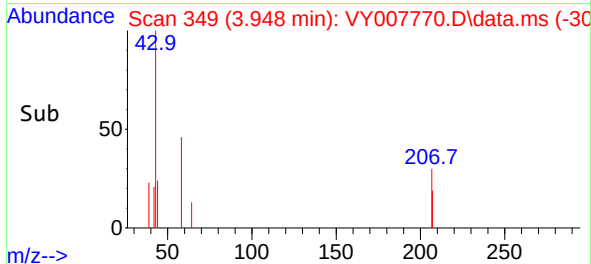
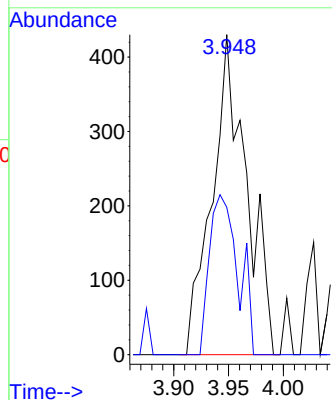
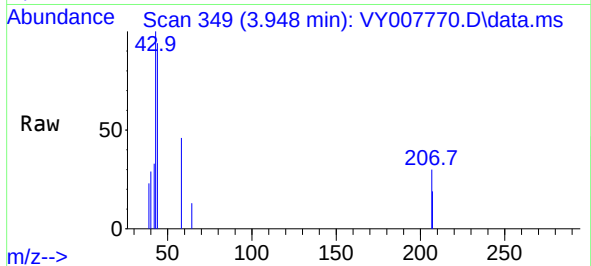
ClientSampleId :

Tgt Ion: 43 Resp: 945

Ion Ratio Lower Upper

43 100

58 46.0 22.0 33.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 3.918 min Scan# 344

Delta R.T. -0.274 min

Lab File: VY007770.D

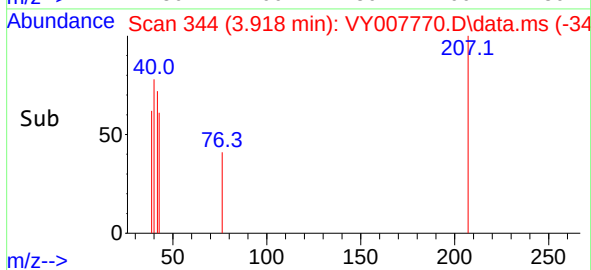
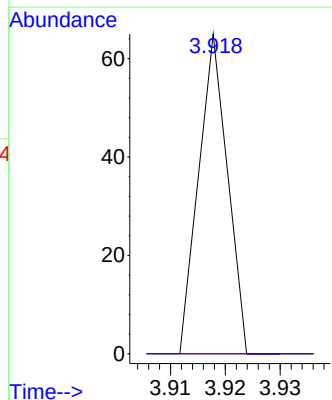
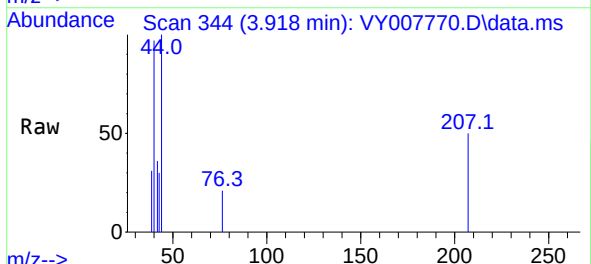
Acq: 07 Mar 2022 20:38

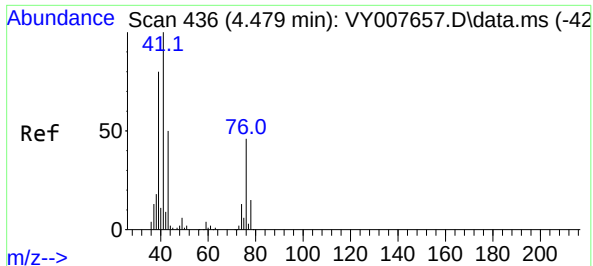
Tgt Ion: 76 Resp: 24

Ion Ratio Lower Upper

76 100

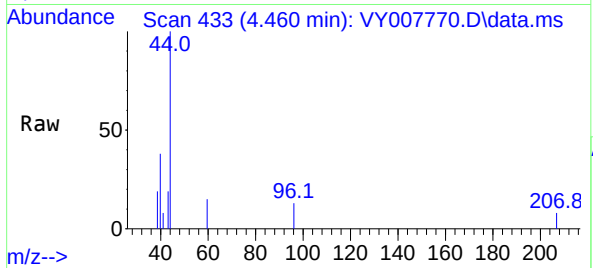
78 0.0 7.4 11.0#



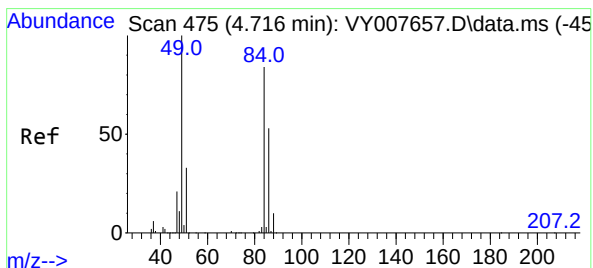
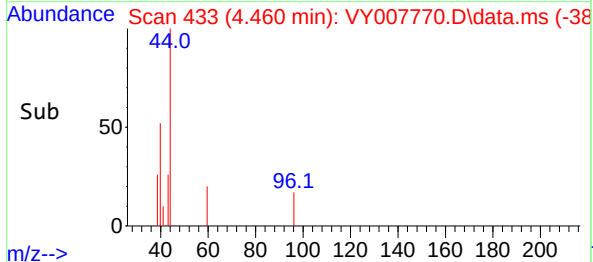
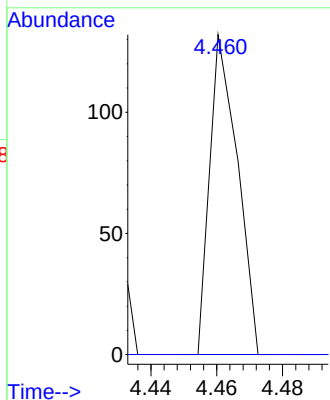


#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.460 min Scan# 41  
Delta R.T. -0.019 min  
Lab File: VY007770.D  
Acq: 07 Mar 2022 20:38

Instrument :  
MSVOA\_Y  
ClientSampleId :

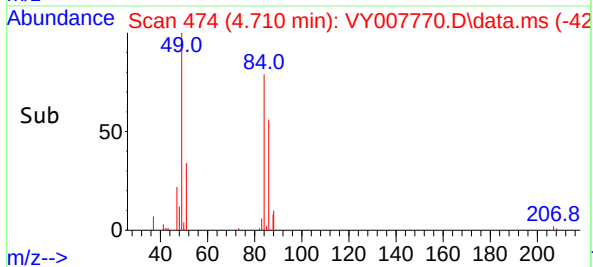
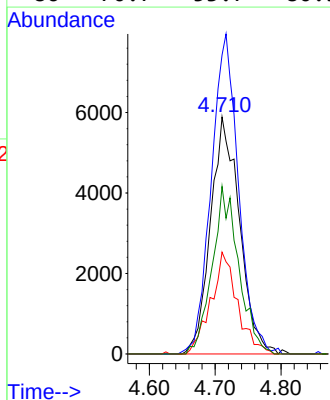
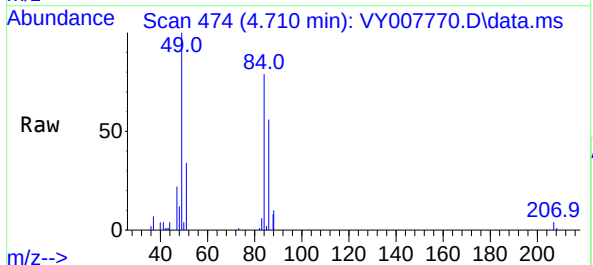


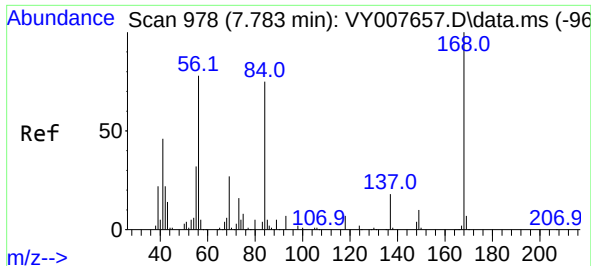
Tgt Ion: 43 Resp: 78  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: 3.076 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY007770.D  
Acq: 07 Mar 2022 20:38

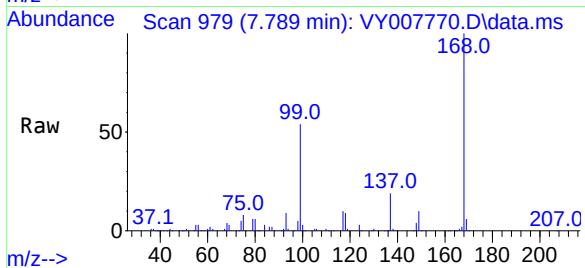
Tgt Ion: 84 Resp: 18027  
Ion Ratio Lower Upper  
84 100  
49 126.1 114.4 171.6  
51 42.9 35.3 52.9  
86 70.7 53.7 80.5



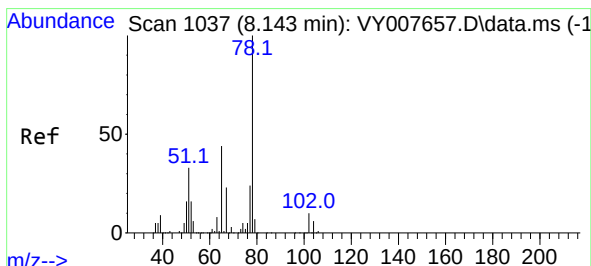
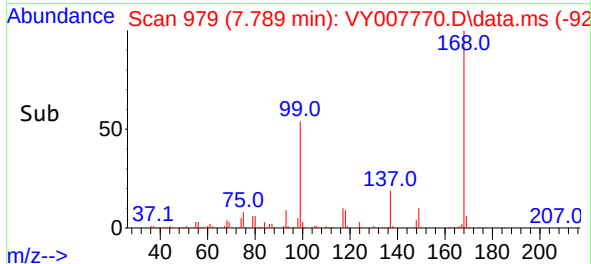
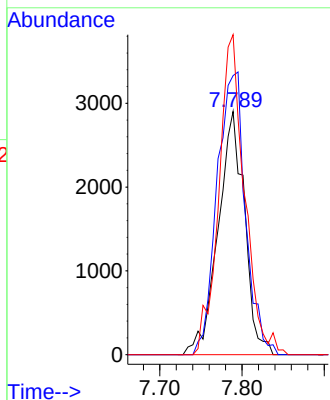


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007770.D  
Acq: 07 Mar 2022 20:38

Instrument :  
MSVOA\_Y  
ClientSampleId :

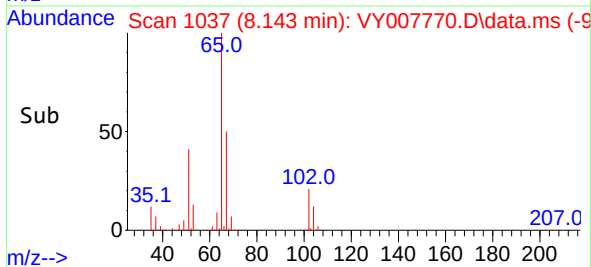
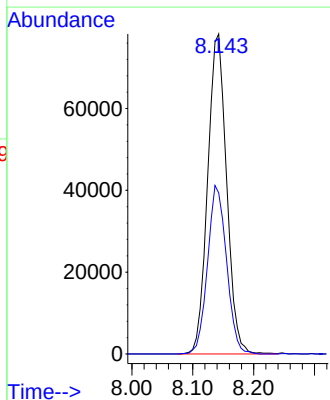
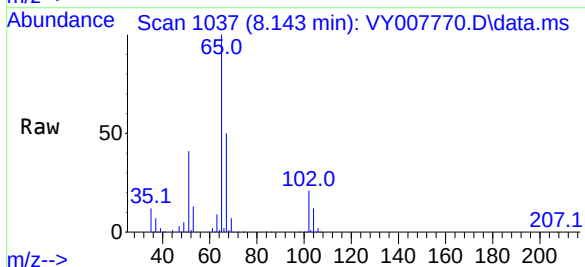


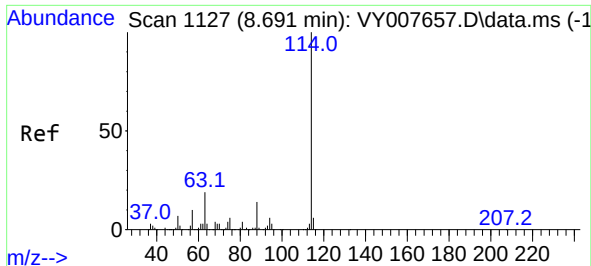
Tgt Ion: 56 Resp: 6464  
Ion Ratio Lower Upper  
56 100  
69 114.7 26.7 40.1#  
84 131.6 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 65.393 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY007770.D  
Acq: 07 Mar 2022 20:38

Tgt Ion: 65 Resp: 168684  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007770.D

Acq: 07 Mar 2022 20:38

Instrument :

MSVOA\_Y

ClientSampleId :

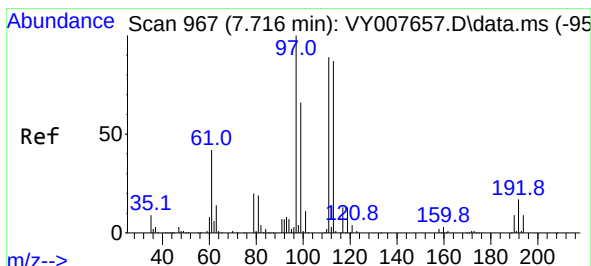
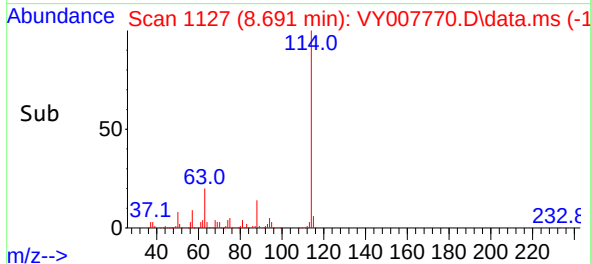
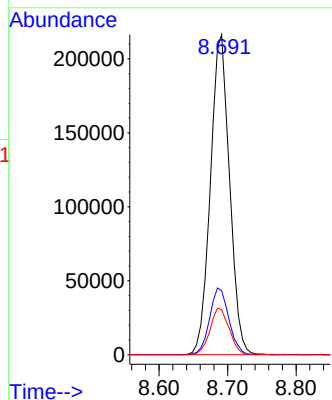
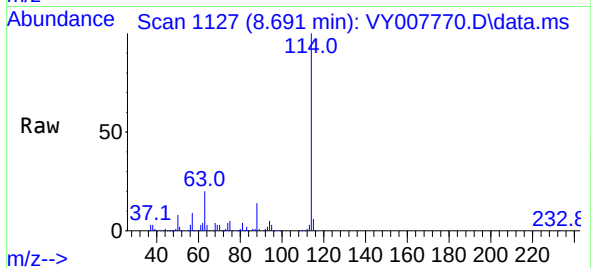
Tgt Ion:114 Resp: 419111

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 14.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.178 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007770.D

Acq: 07 Mar 2022 20:38

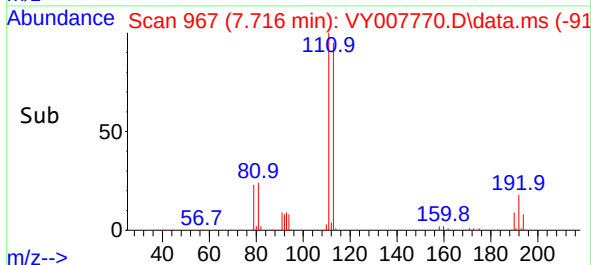
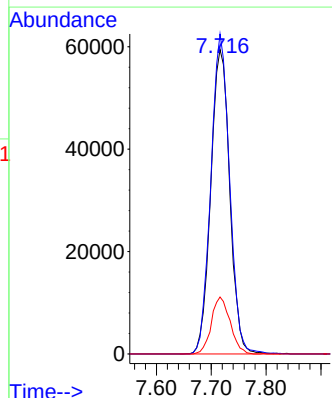
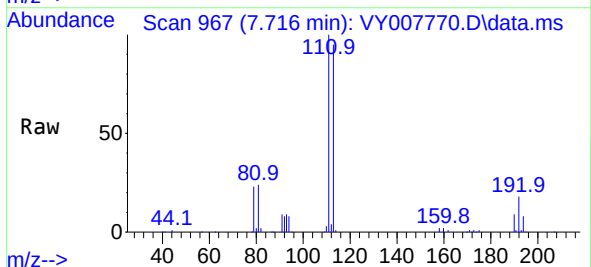
Tgt Ion:113 Resp: 142491

Ion Ratio Lower Upper

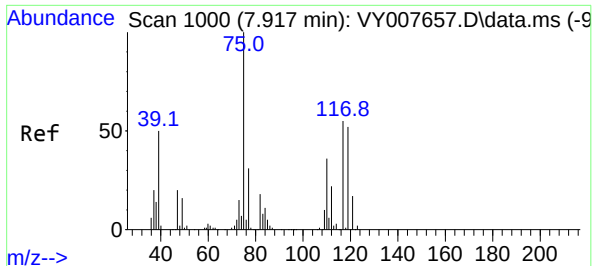
113 100

111 104.0 82.6 124.0

192 18.5 17.6 26.4







#36

1,1-Dichloropropene

Concen: 4.953 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY007770.D

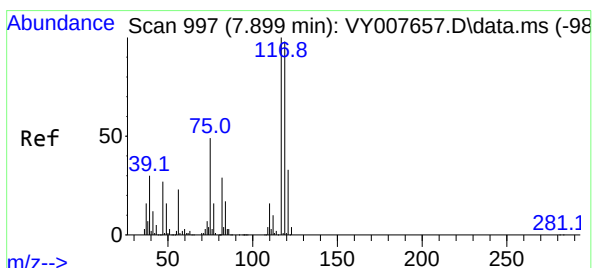
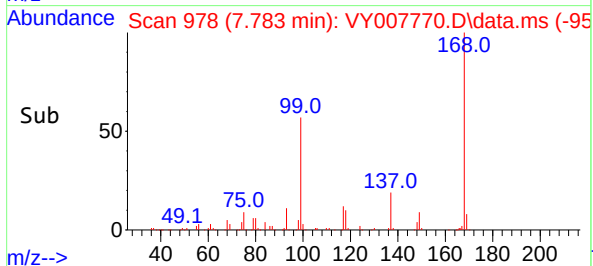
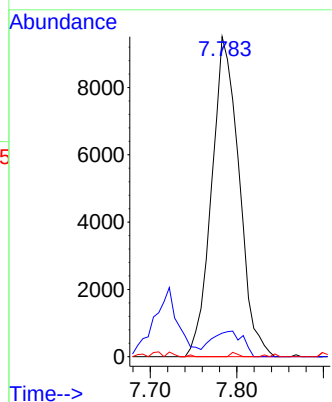
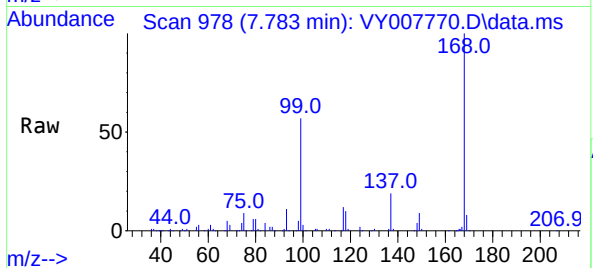
Acq: 07 Mar 2022 20:38

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 20876 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.0   | 17.1  | 51.2# |
| 77       | 0.3   | 24.4  | 36.6# |



#38

Carbon Tetrachloride

Concen: 5.853 ug/l

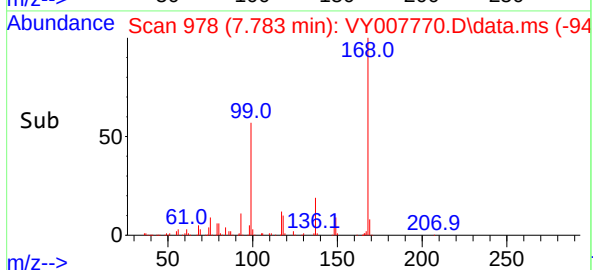
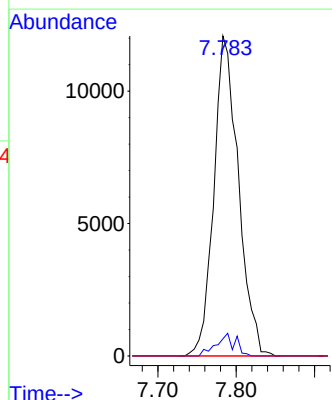
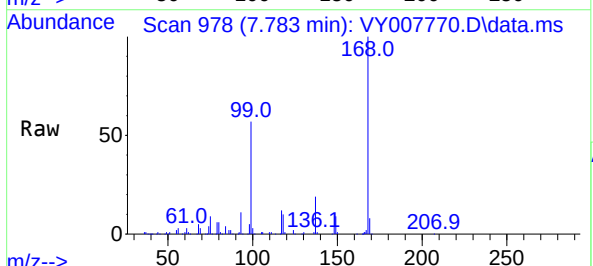
RT: 7.783 min Scan# 978

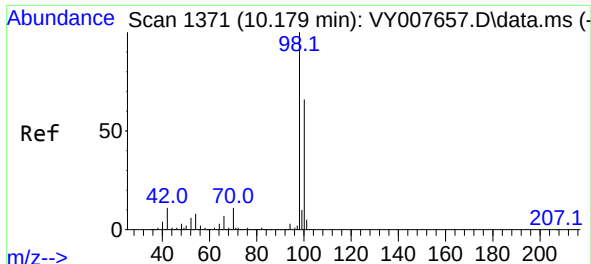
Delta R.T. -0.116 min

Lab File: VY007770.D

Acq: 07 Mar 2022 20:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 26317  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.3   | 77.9  | 116.9# |
| 121      | 0.0   | 24.8  | 37.2#  |

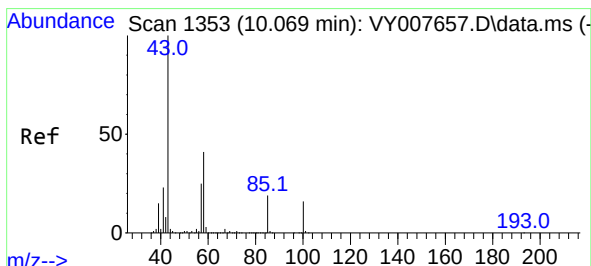
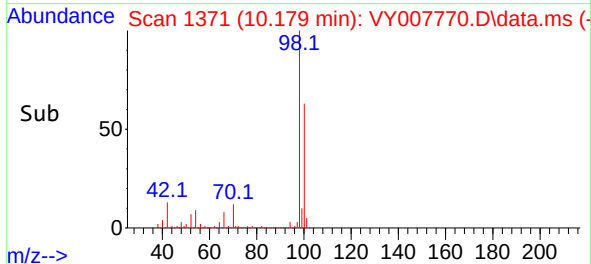
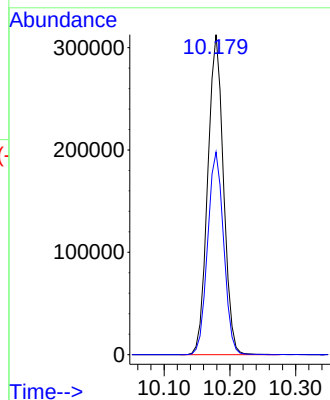
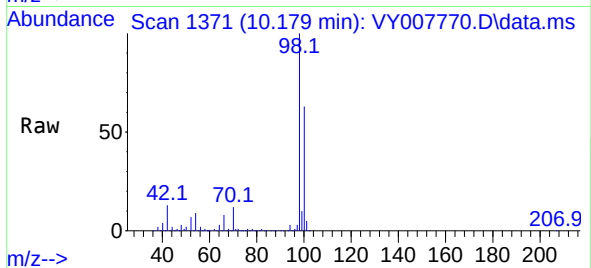




#50  
Toluene-d8  
Concen: 52.700 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY007770.D  
Acq: 07 Mar 2022 20:38

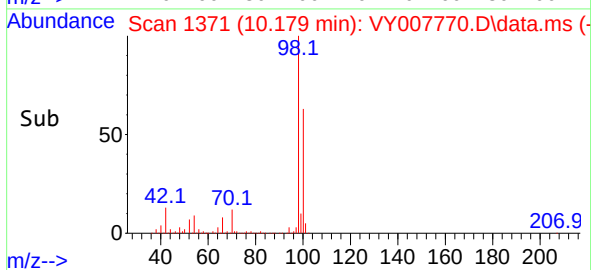
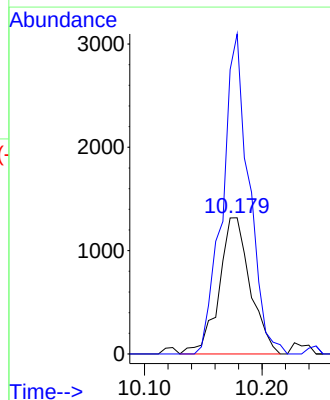
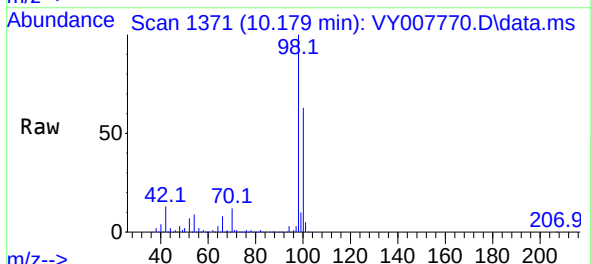
Instrument :  
MSVOA\_Y  
ClientSampleId :

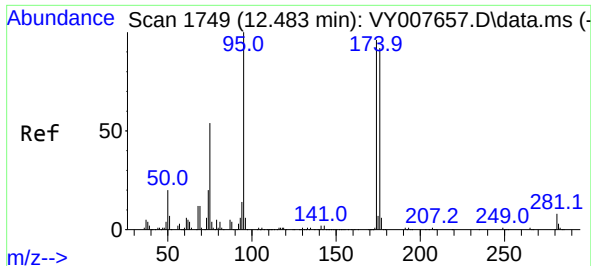
Tgt Ion: 98 Resp: 519807  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.2 75.2



#51  
4-Methyl-2-Pentanone  
Concen: 1.054 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.110 min  
Lab File: VY007770.D  
Acq: 07 Mar 2022 20:38

Tgt Ion: 43 Resp: 2428  
Ion Ratio Lower Upper  
43 100  
58 200.9 28.1 42.1#

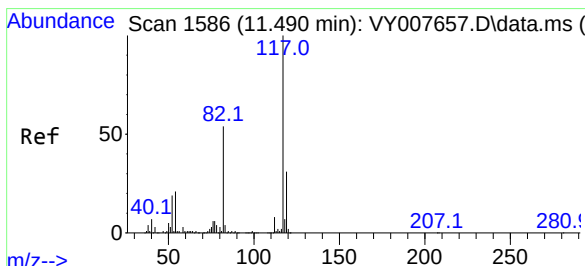
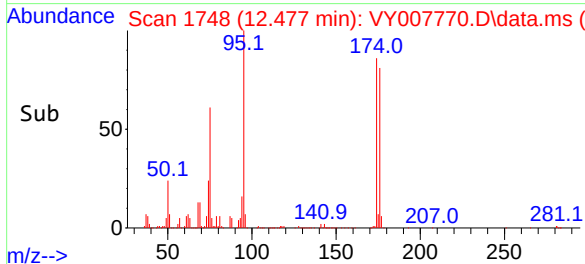
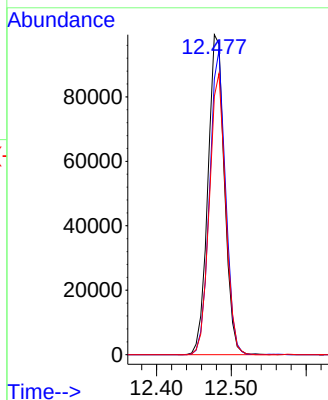
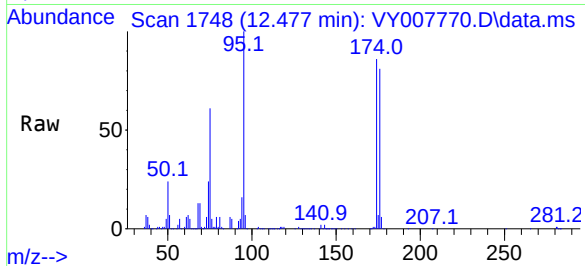




#62  
4-Bromofluorobenzene  
Concen: 47.945 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY007770.D  
Acq: 07 Mar 2022 20:38

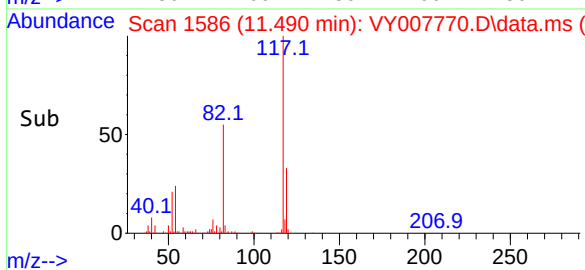
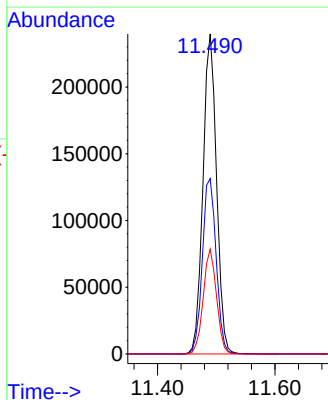
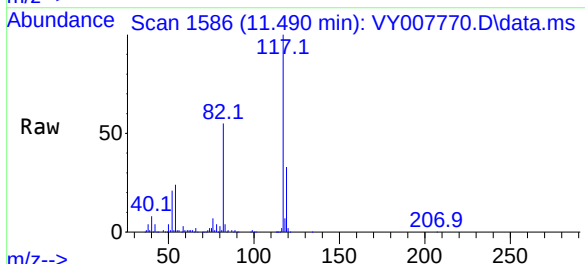
Instrument :  
MSVOA\_Y  
ClientSampleId :

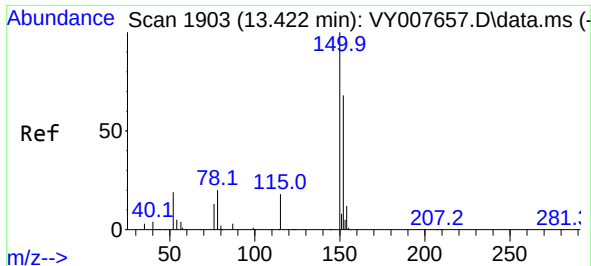
Tgt Ion: 95 Resp: 152436  
Ion Ratio Lower Upper  
95 100  
174 91.6 0.0 177.0  
176 86.1 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY007770.D  
Acq: 07 Mar 2022 20:38

Tgt Ion: 117 Resp: 384799  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.0 64.4  
119 32.7 25.4 38.0



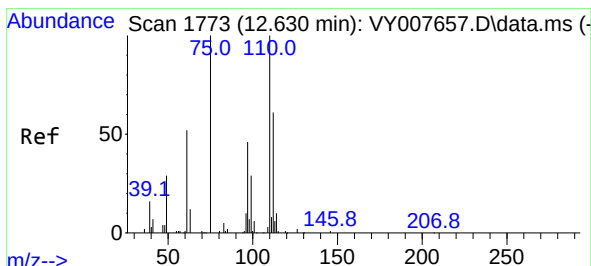
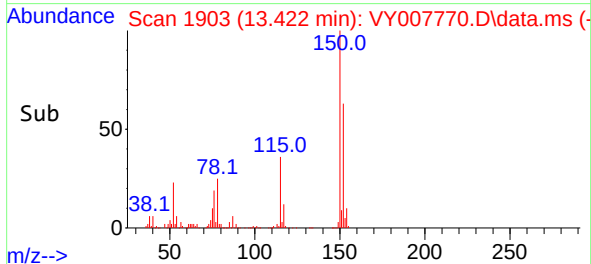
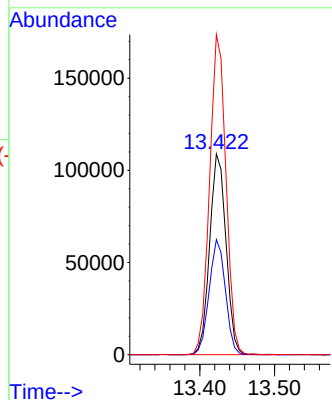
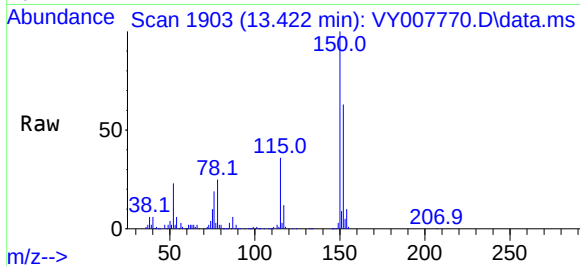


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY007770.D  
 Acq: 07 Mar 2022 20:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion:152 Resp: 165777  

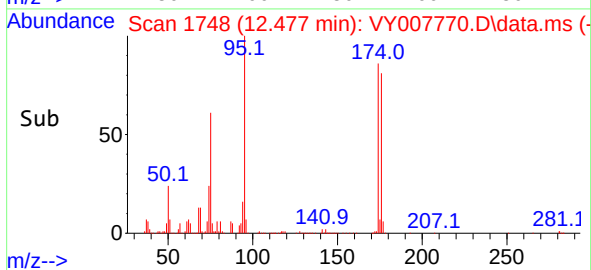
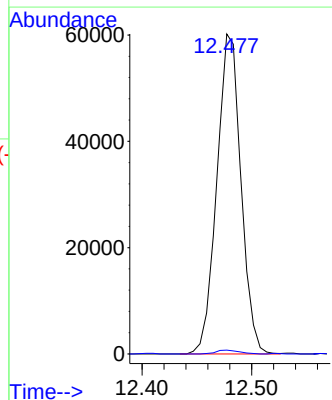
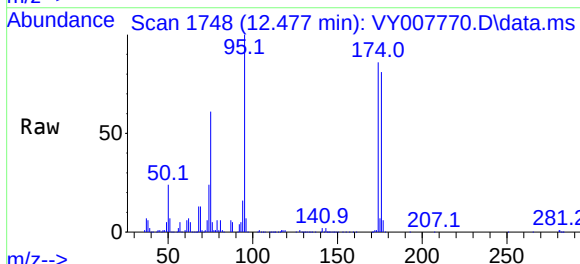
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 56.9  | 28.2  | 84.7  |
| 150 | 158.9 | 0.0   | 347.6 |

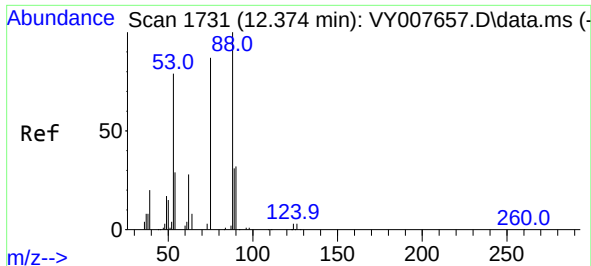


#76  
 1,2,3-Trichloropropane  
 Concen: 49.714 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.153 min  
 Lab File: VY007770.D  
 Acq: 07 Mar 2022 20:38

Tgt Ion: 75 Resp: 92038  

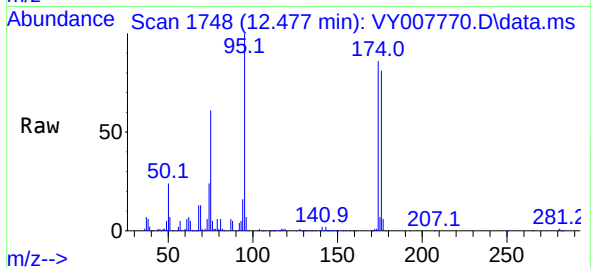
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 1.2   | 0.0   | 0.0#  |





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 101.635 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.103 min  
 Lab File: VY007770.D  
 Acq: 07 Mar 2022 20:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 92038  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 85.3 127.9#  
 89 0.0 37.0 55.4#

