

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040422\  
 Data File : VY008180.D  
 Acq On : 04 Apr 2022 15:05  
 Operator : SY/MD  
 Sample : N2220-04RE  
 Misc : 4.88g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 05 04:41:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032522S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 26 03:24:51 2022  
 Response via : Initial Calibration

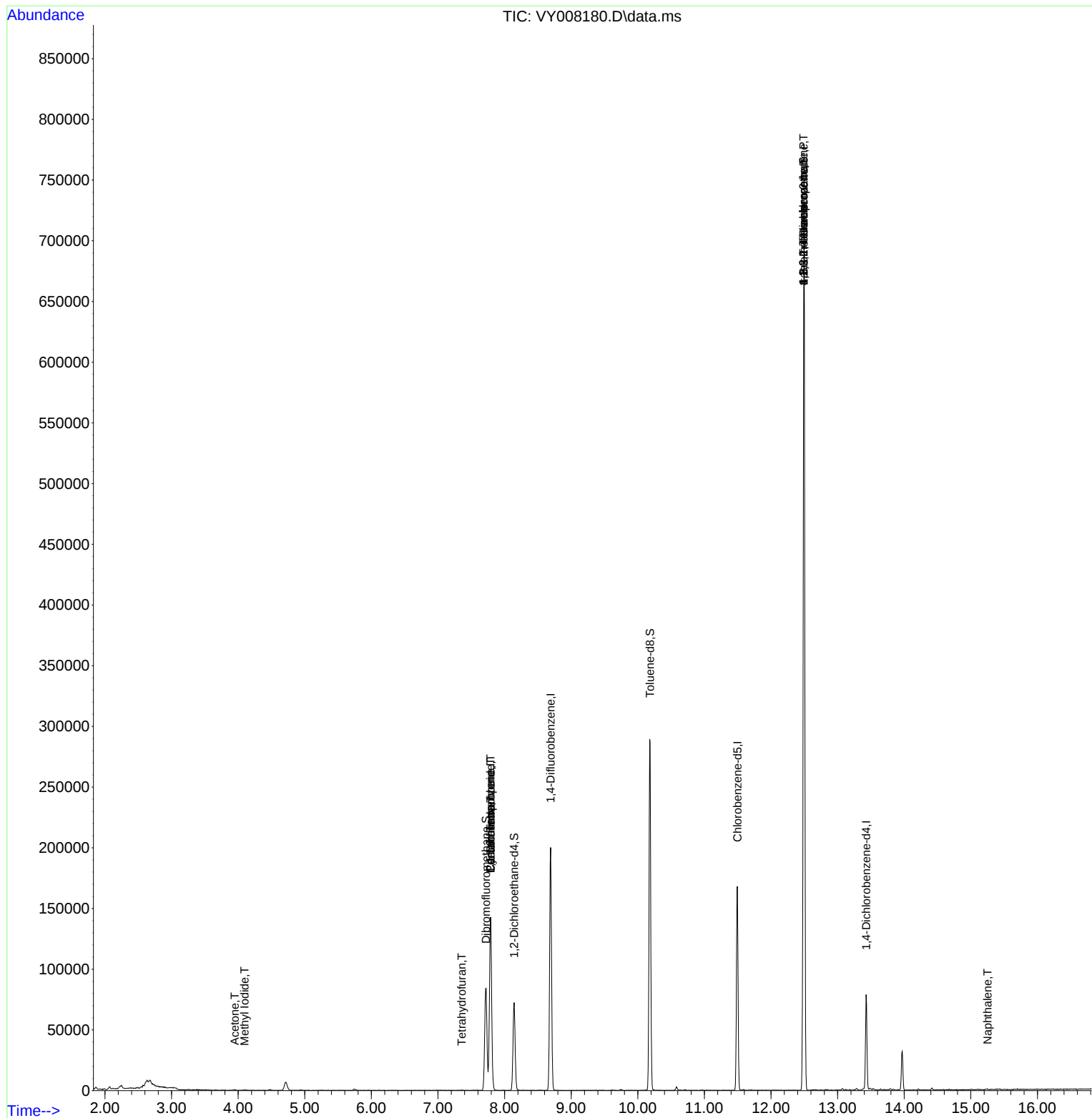
| Compound                      | R.T.           | QIon | Response   | Conc        | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-------------|--------|----------|
| -----                         |                |      |            |             |        |          |
| Internal Standards            |                |      |            |             |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 113641     | 50.000      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 180483     | 50.000      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.495         | 117  | 96792      | 50.000      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 18951      | 50.000      | ug/l   | 0.00     |
|                               |                |      |            |             |        |          |
| System Monitoring Compounds   |                |      |            |             |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142          | 65   | 55378      | 48.570      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 97.140%     |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 62302      | 55.058      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 110.120%    |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 200843     | 47.110      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 94.220%     |        |          |
| 62) 4-Bromofluorobenzene      | 12.489         | 95   | 27284      | 18.140      | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 36.280%     |        |          |
|                               |                |      |            |             |        |          |
| Target Compounds              |                |      |            |             |        |          |
|                               |                |      |            |             | Qvalue |          |
| 10) Methyl Iodide             | 4.094          | 142  | 660        | 2.117       | ug/l # | 59       |
| 16) Acetone                   | 3.948          | 43   | 734        | 2.816       | ug/l # | 75       |
| 18) Methyl Acetate            | 4.478          | 43   | 1086       | Below Cal   |        | 95       |
| 20) Methylene Chloride        | 4.716          | 84   | 5572       | Below Cal # |        | 82       |
| 29) Tetrahydrofuran           | 7.356          | 42   | 267        | 1.036       | ug/l # | 44       |
| 31) Cyclohexane               | 7.789          | 56   | 2166       | 1.016       | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 8585       | 4.830       | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.789          | 117  | 11639      | 6.009       | ug/l # | 14       |
| 75) 1,1,2,2-Tetrachloroethane | 12.489         | 83   | 395        | 1.299       | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.489         | 75   | 19783      | 85.636      | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489         | 75   | 19783      | 191.067     | ug/l # | 12       |
| 95) Naphthalene               | 15.251         | 128  | 998        | 1.203       | ug/l # | 74       |
| -----                         |                |      |            |             |        |          |

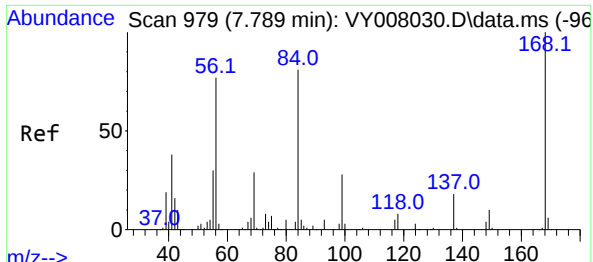
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040422\  
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Sample : N2220-04RE  
Misc : 4.88g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

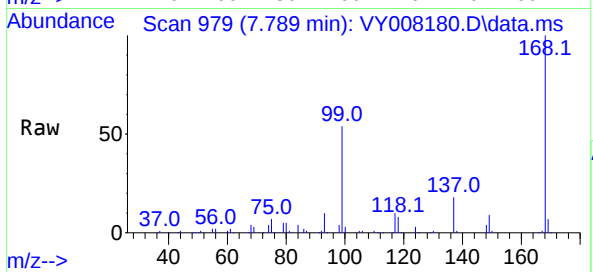
Quant Time: Apr 05 04:41:29 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032522S.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 26 03:24:51 2022  
Response via : Initial Calibration



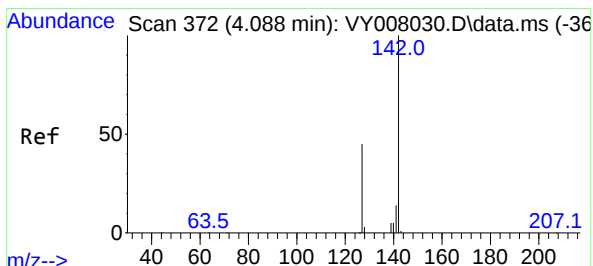
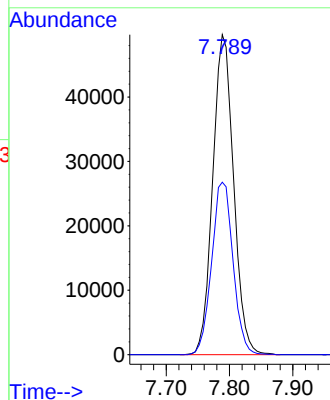
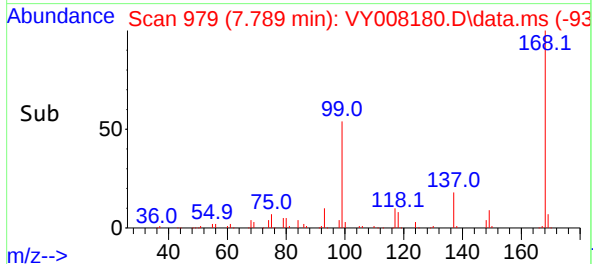


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

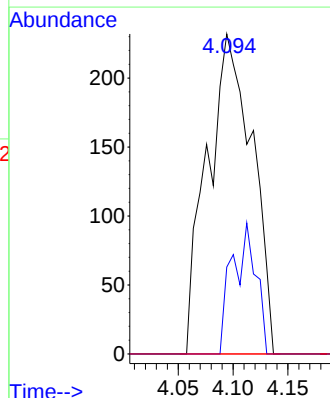
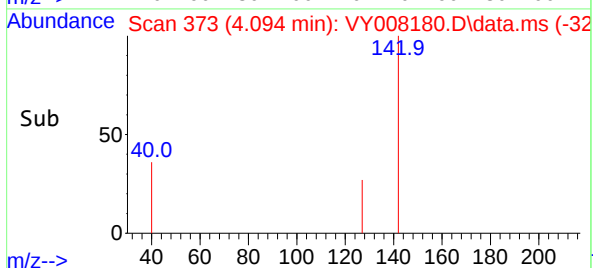
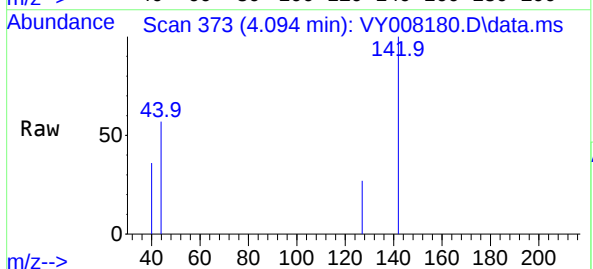


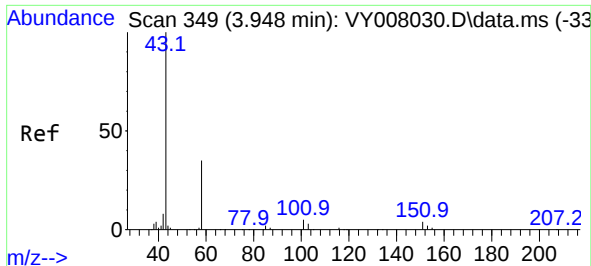
Tgt Ion:168 Resp: 113641  
Ion Ratio Lower Upper  
168 100  
99 53.9 46.9 70.3



#10  
Methyl Iodide  
Concen: 2.117 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05

Tgt Ion:142 Resp: 660  
Ion Ratio Lower Upper  
142 100  
127 21.7 41.5 62.3#  
141 0.0 11.9 17.9#

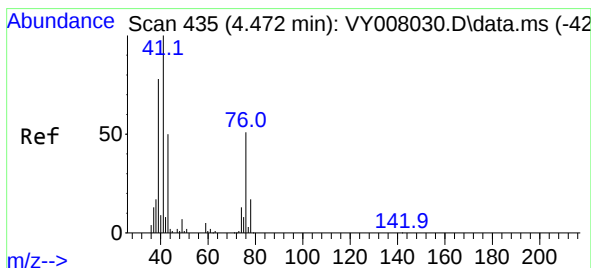
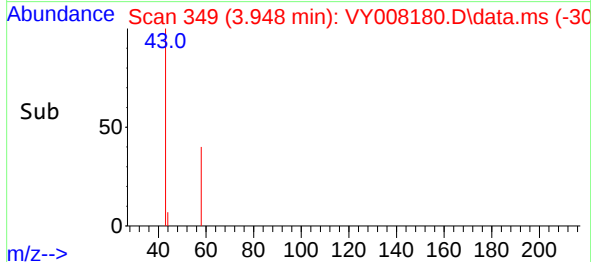
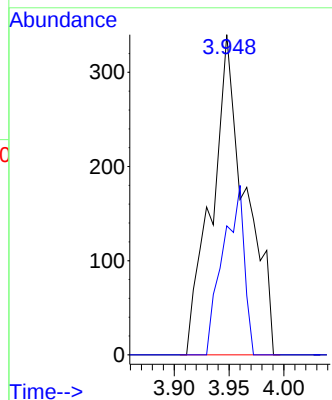
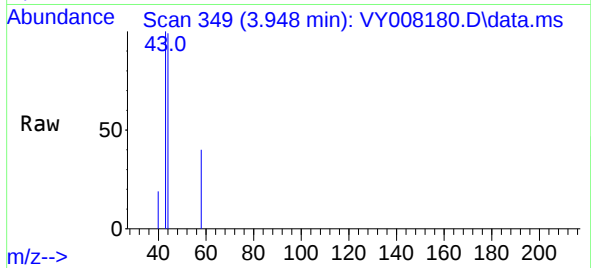




#16  
Acetone  
Concen: 2.816 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.000 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05

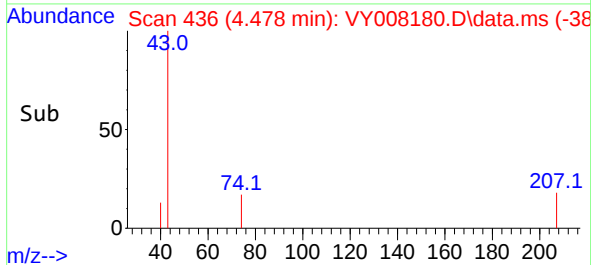
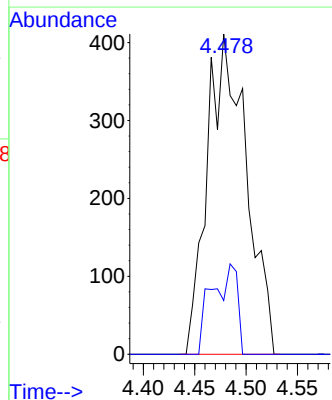
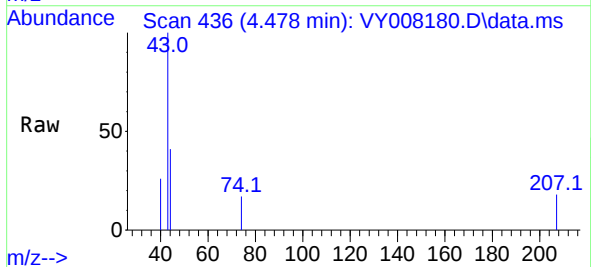
Instrument :  
MSVOA\_Y  
ClientSampleId :

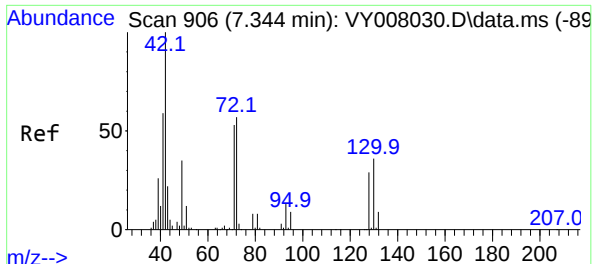
Tgt Ion: 43 Resp: 734  
Ion Ratio Lower Upper  
43 100  
58 40.3 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.478 min Scan# 436  
Delta R.T. 0.006 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05

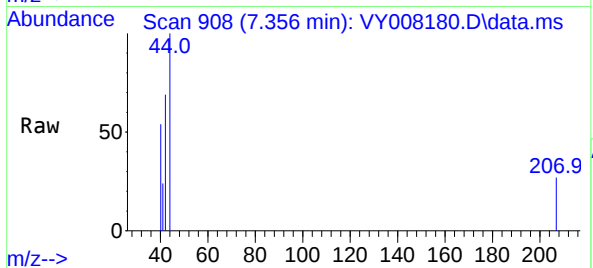
Tgt Ion: 43 Resp: 1086  
Ion Ratio Lower Upper  
43 100  
74 18.2 16.6 24.8



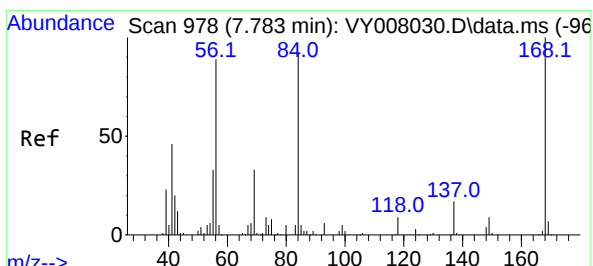
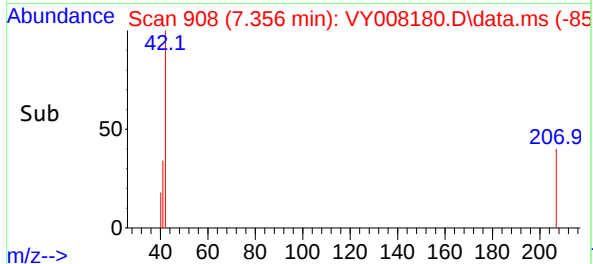
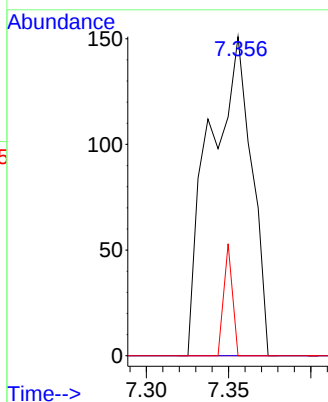


#29  
Tetrahydrofuran  
Concen: 1.036 ug/l  
RT: 7.356 min Scan# 906  
Delta R.T. 0.012 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

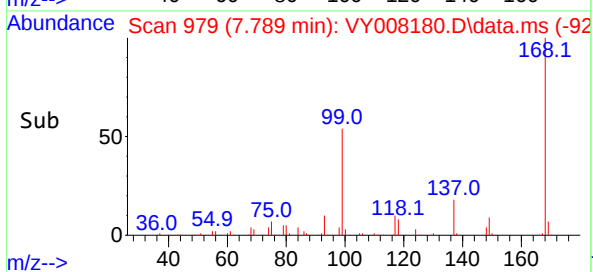
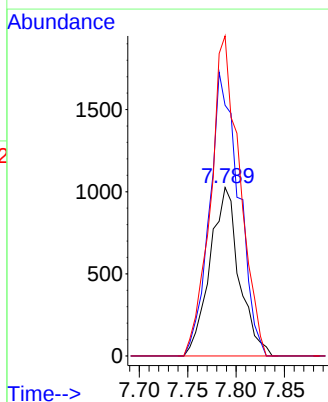
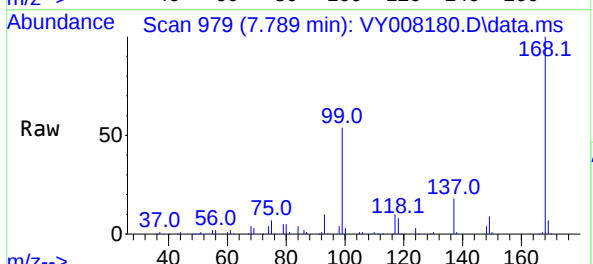


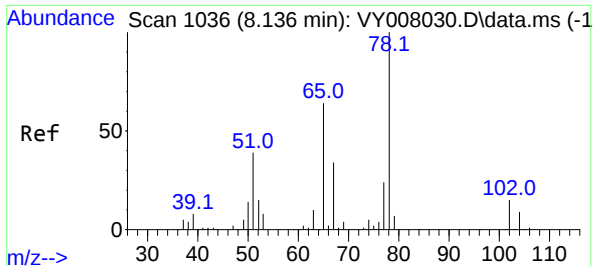
Tgt Ion: 42 Resp: 267  
Ion Ratio Lower Upper  
42 100  
72 0.0 30.3 45.5#  
71 7.1 29.0 43.4#



#31  
Cyclohexane  
Concen: 1.016 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05

Tgt Ion: 56 Resp: 2166  
Ion Ratio Lower Upper  
56 100  
69 148.7 26.7 40.1#  
84 189.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 48.570 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY008180.D

Acq: 04 Apr 2022 15:05

Instrument :

MSVOA\_Y

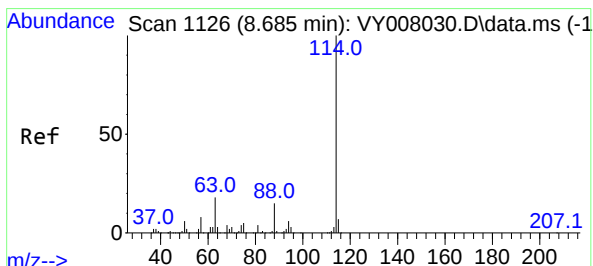
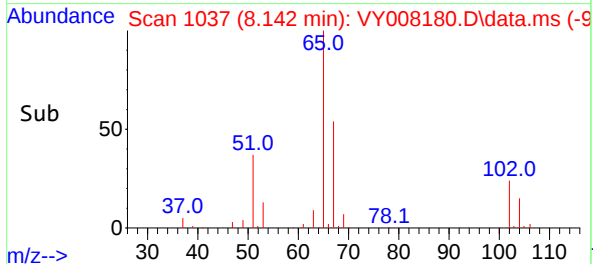
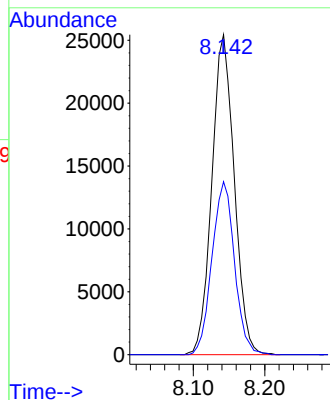
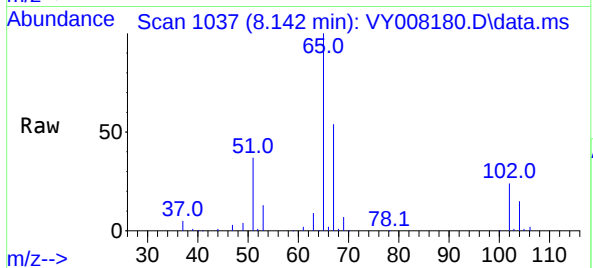
ClientSampleId :

Tgt Ion: 65 Resp: 55378

Ion Ratio Lower Upper

65 100

67 54.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008180.D

Acq: 04 Apr 2022 15:05

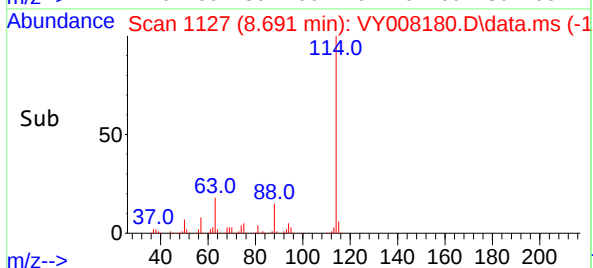
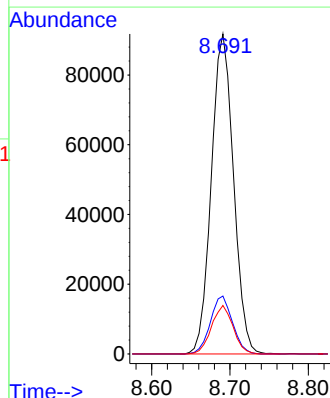
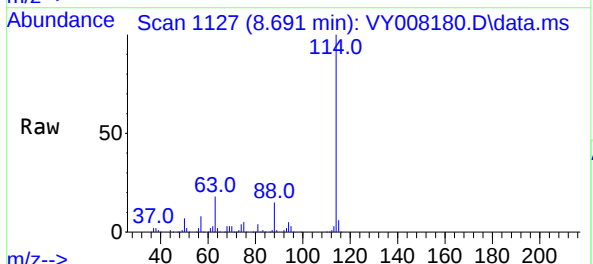
Tgt Ion: 114 Resp: 180483

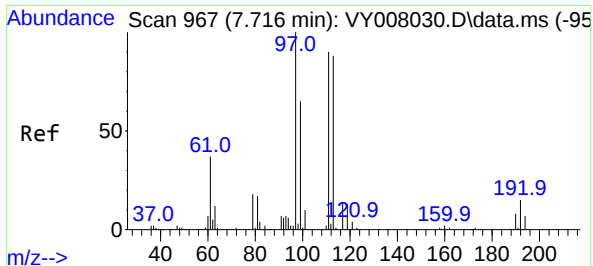
Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

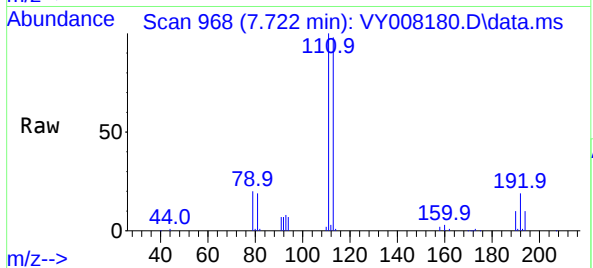
88 15.2 0.0 31.8



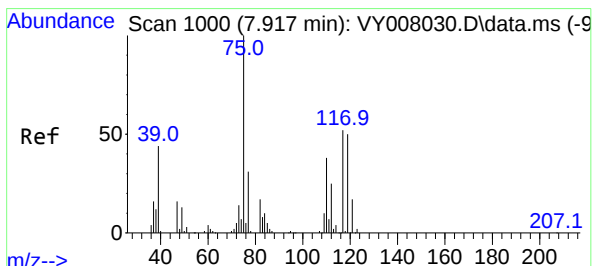
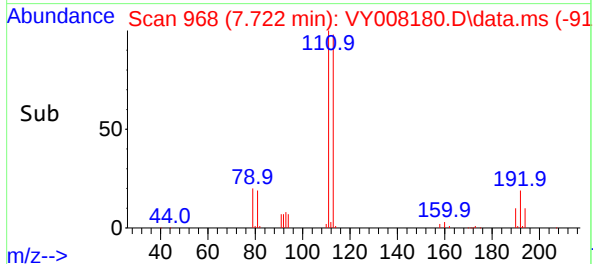
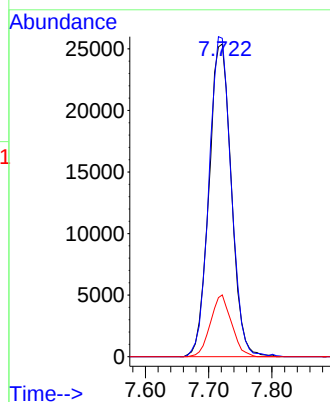


#35  
 Dibromofluoromethane  
 Concen: 55.058 ug/l  
 RT: 7.722 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VY008180.D  
 Acq: 04 Apr 2022 15:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

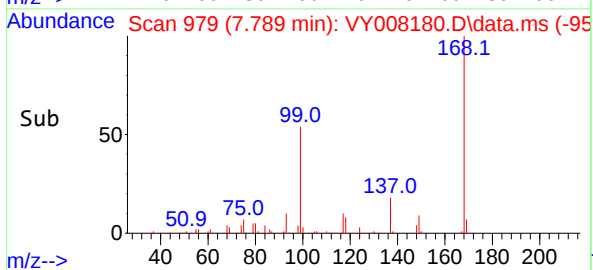
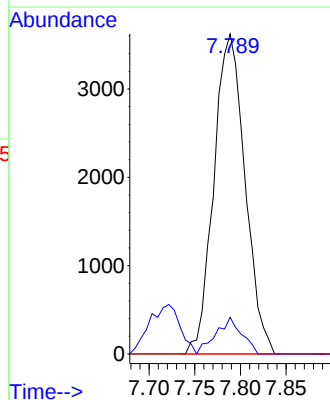
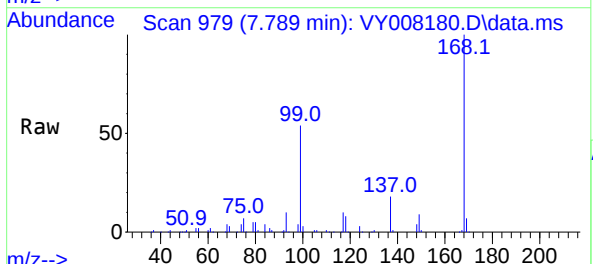


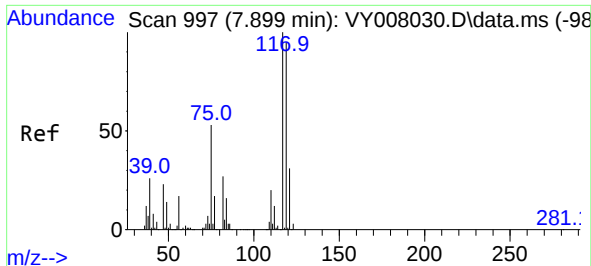
Tgt Ion:113 Resp: 62302  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 82.6 124.0  
 192 18.6 17.6 26.4



#36  
 1,1-Dichloropropene  
 Concen: 4.830 ug/l  
 RT: 7.789 min Scan# 979  
 Delta R.T. -0.128 min  
 Lab File: VY008180.D  
 Acq: 04 Apr 2022 15:05

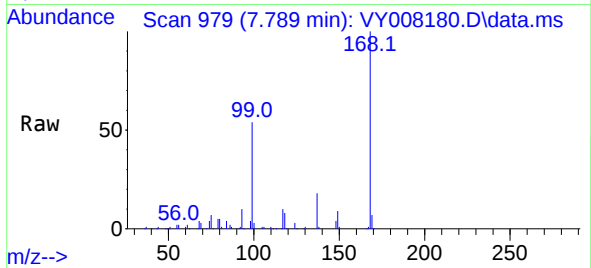
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 Ion Ratio Lower Upper  
 75 100  
 110 9.4 17.1 51.2#  
 77 0.0 24.4 36.6#



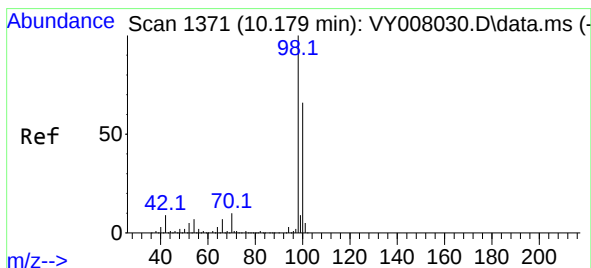
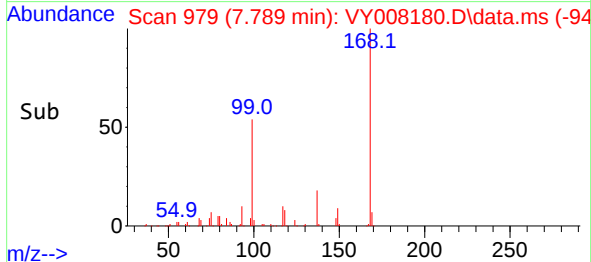
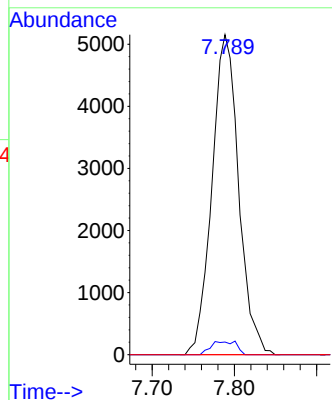


#38  
Carbon Tetrachloride  
Concen: 6.009 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

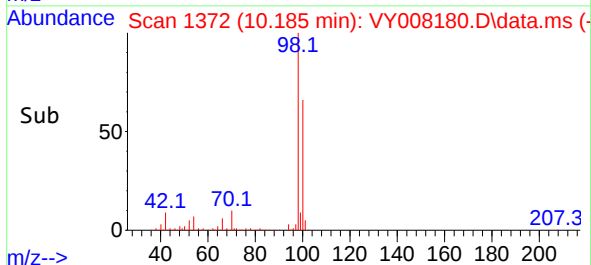
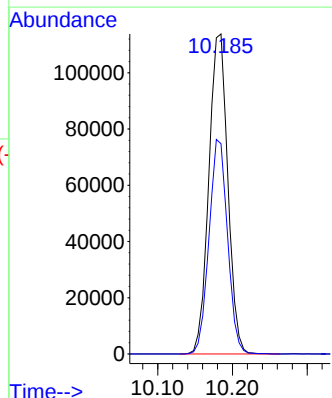
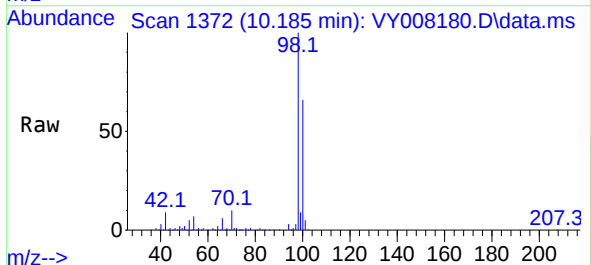


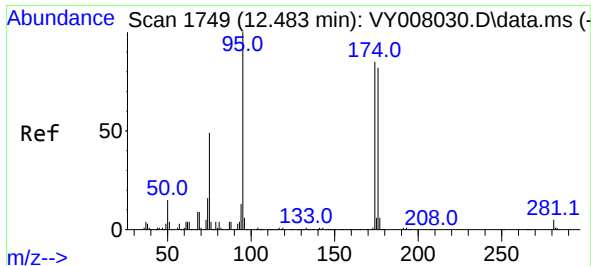
Tgt Ion:117 Resp: 11639  
Ion Ratio Lower Upper  
117 100  
119 3.9 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 47.110 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05

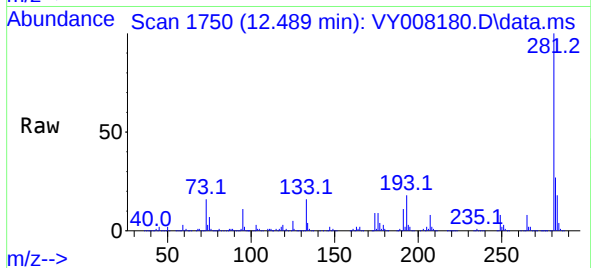
Tgt Ion: 98 Resp: 200843  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2



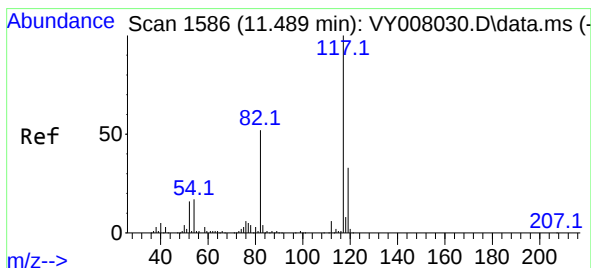
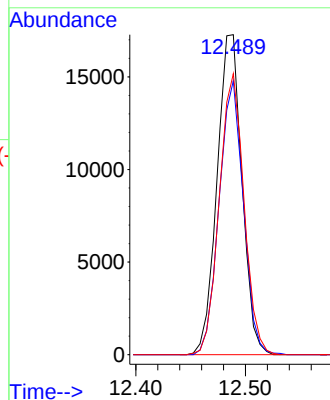
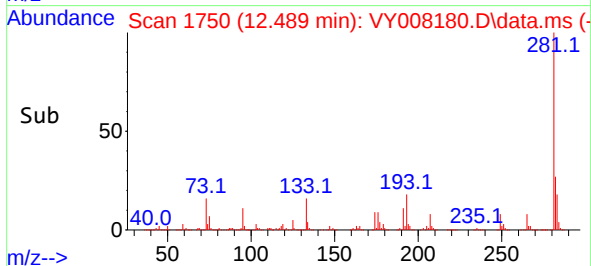


#62  
4-Bromofluorobenzene  
Concen: 18.140 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05

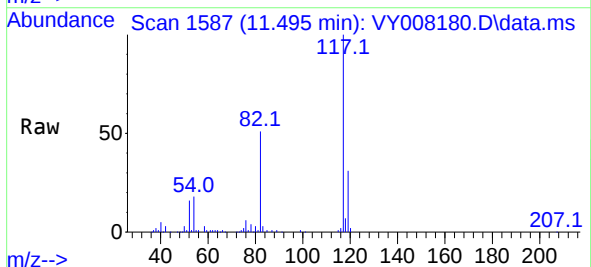
Instrument :  
MSVOA\_Y  
ClientSampleId :



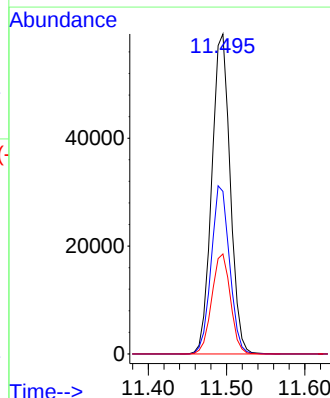
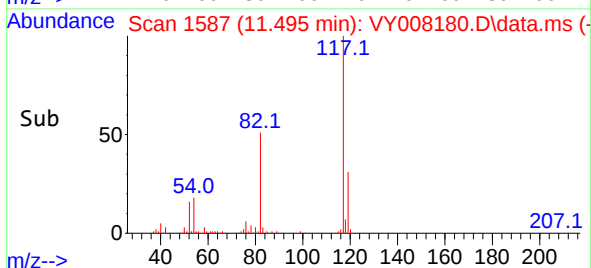
Tgt Ion: 95 Resp: 27284  
Ion Ratio Lower Upper  
95 100  
174 83.2 0.0 177.0  
176 86.8 0.0 175.8

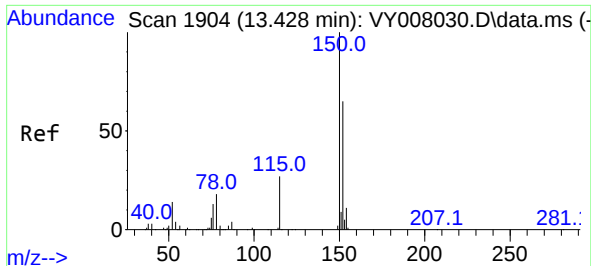


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05



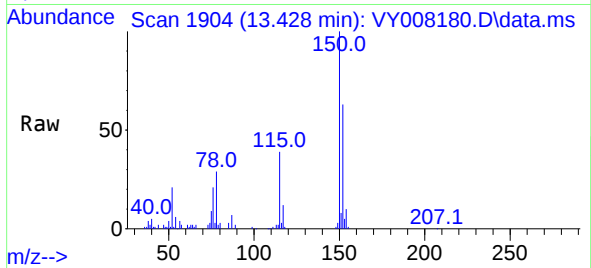
Tgt Ion: 117 Resp: 96792  
Ion Ratio Lower Upper  
117 100  
82 50.8 43.0 64.4  
119 31.2 25.4 38.0



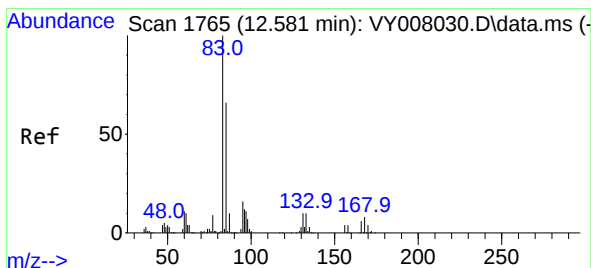
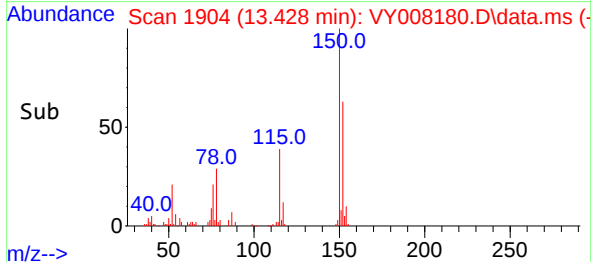
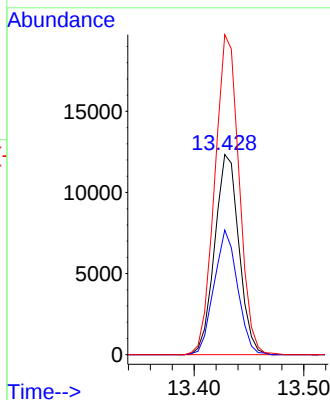


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY008180.D  
 Acq: 04 Apr 2022 15:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

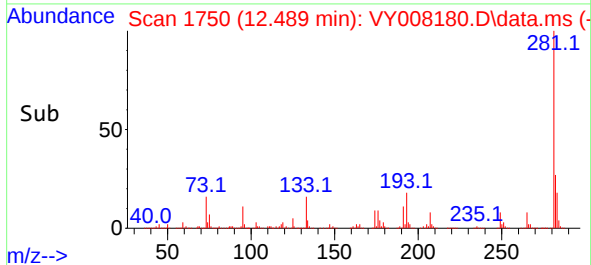
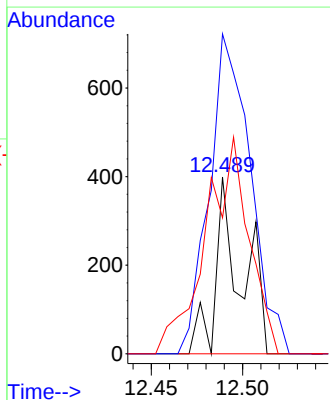
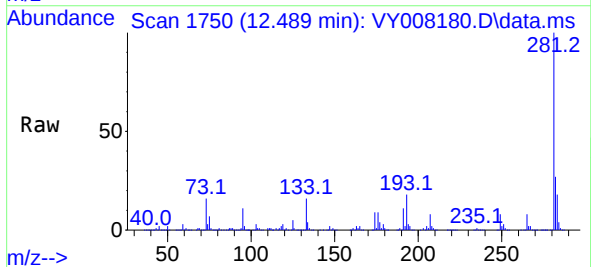


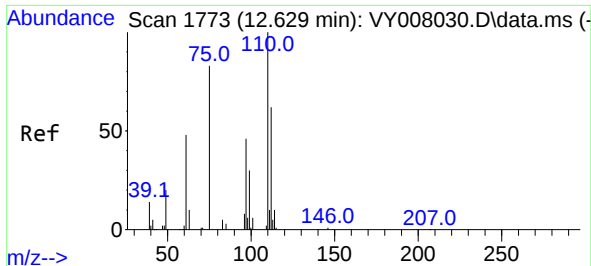
Tgt Ion:152 Resp: 18951  
 Ion Ratio Lower Upper  
 152 100  
 115 60.7 28.2 84.7  
 150 160.7 0.0 347.6



#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 1.299 ug/l  
 RT: 12.489 min Scan# 1750  
 Delta R.T. -0.092 min  
 Lab File: VY008180.D  
 Acq: 04 Apr 2022 15:05

Tgt Ion: 83 Resp: 395  
 Ion Ratio Lower Upper  
 83 100  
 131 286.3 5.6 16.8#  
 85 204.8 32.3 96.8#

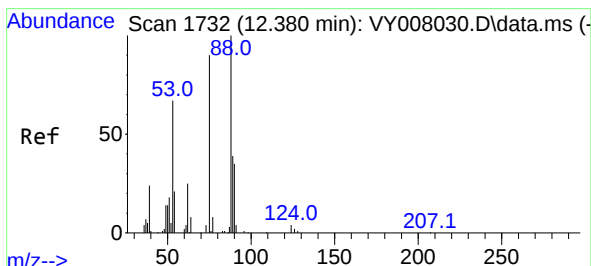
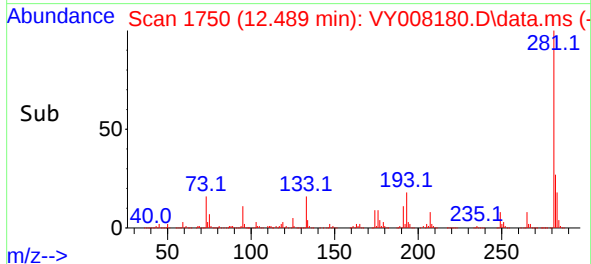
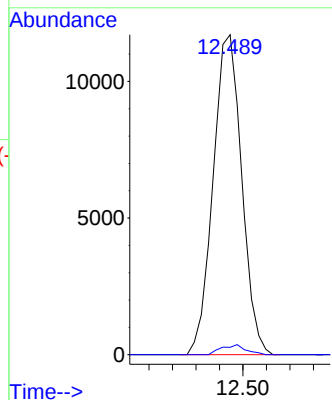
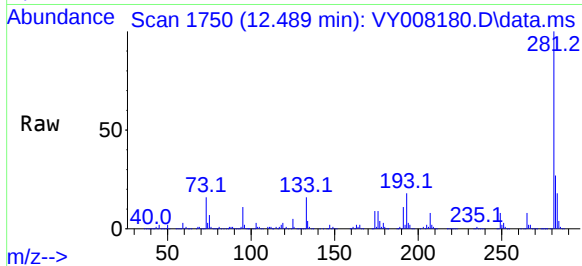




#76  
1,2,3-Trichloropropane  
Concen: 85.636 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.140 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05

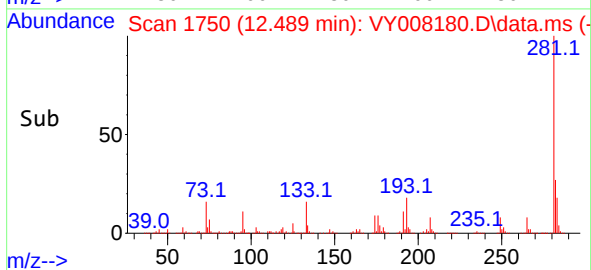
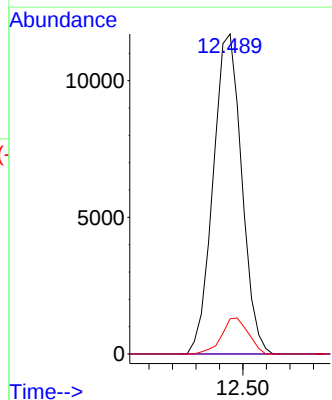
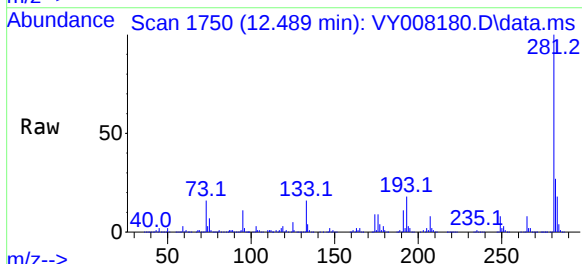
Instrument :  
MSVOA\_Y  
ClientSampleId :

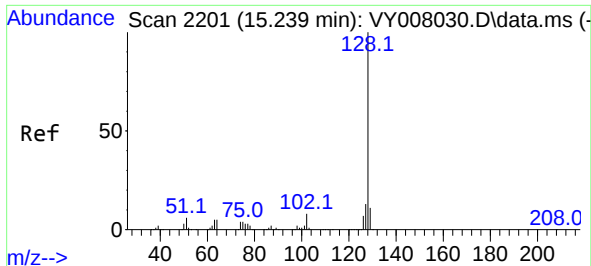
Tgt Ion: 75 Resp: 19783  
Ion Ratio Lower Upper  
75 100  
77 2.7 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 191.067 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.109 min  
Lab File: VY008180.D  
Acq: 04 Apr 2022 15:05

Tgt Ion: 75 Resp: 19783  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 10.5 37.0 55.4#





#95

Naphthalene

Concen: 1.203 ug/l

RT: 15.251 min Scan# 21

Delta R.T. 0.012 min

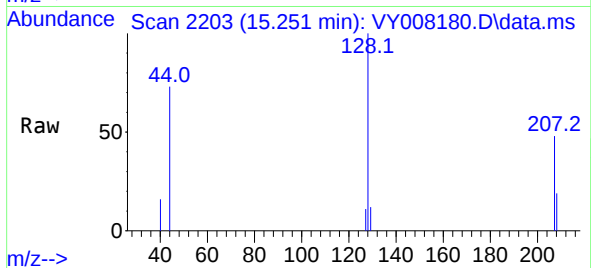
Lab File: VY008180.D

Acq: 04 Apr 2022 15:05

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion:128 Resp: 998

Ion Ratio Lower Upper

128 100

127 2.2 11.0 16.4#

129 1.9 8.4 12.6#

