

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011822\  
 Data File : VY007208.D  
 Acq On : 18 Jan 2022 14:07  
 Operator : SY/MD  
 Sample : N1166-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 19 00:32:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 14 05:48:29 2022  
 Response via : Initial Calibration

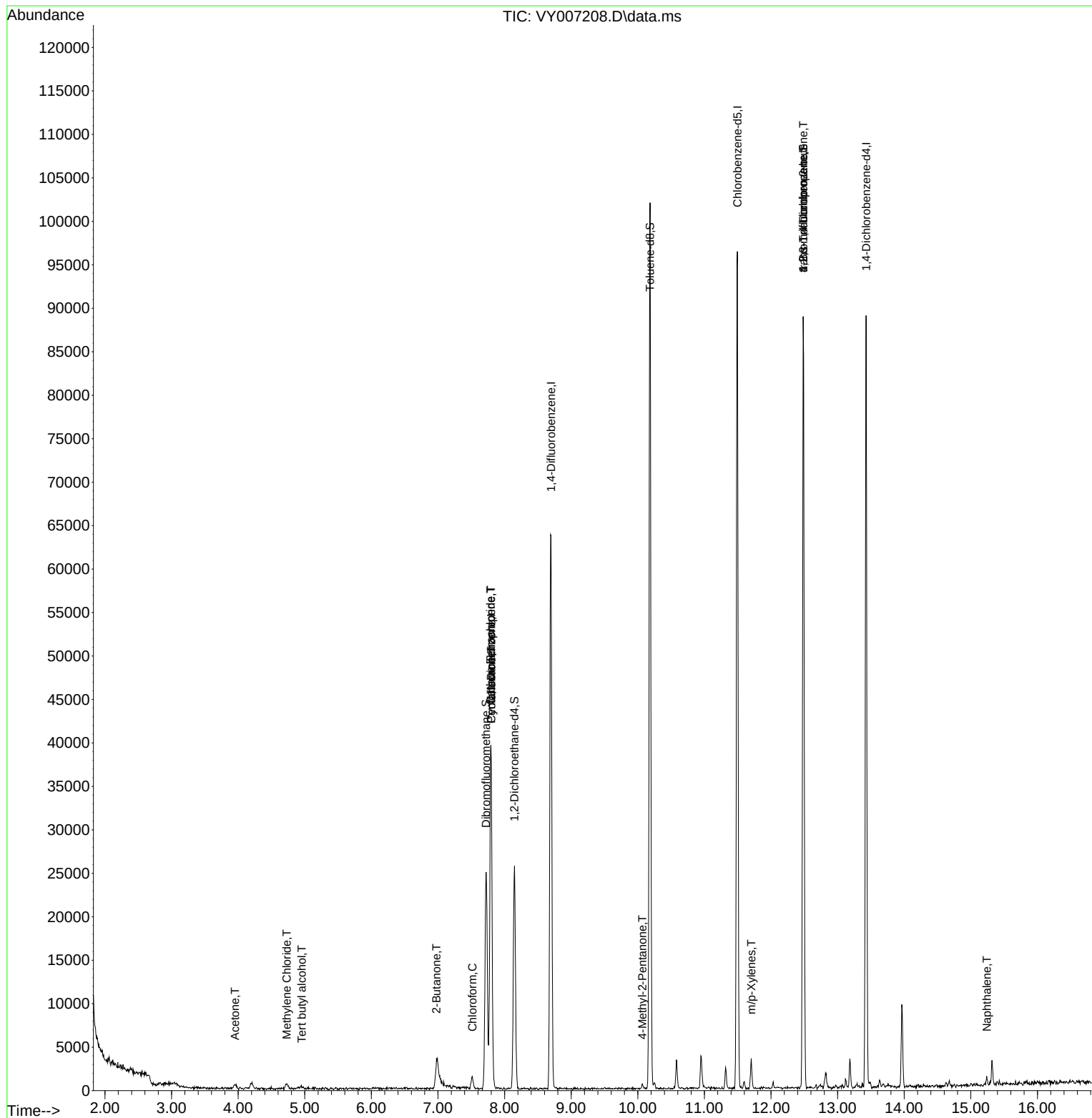
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 30196    | 50.000   | ug/l       | 0.01     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 54709    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 51062    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 20854    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 20939    | 56.514   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 113.020% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 18576    | 50.214   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 100.420% |          |
| 50) Toluene-d8                | 10.185 | 98    | 67106    | 49.645   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 99.280%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 23586    | 49.053   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 98.100%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.954  | 59    | 523      | 11.973   | ug/l #     | 73       |
| 16) Acetone                   | 3.954  | 43    | 1070     | 11.128   | ug/l       | 99       |
| 20) Methylene Chloride        | 4.728  | 84    | 527      | 1.325    | ug/l #     | 78       |
| 25) 2-Butanone                | 6.978  | 43    | 209      | 1.681    | ug/l #     | 47       |
| 30) Chloroform                | 7.515  | 83    | 1361     | 1.940    | ug/l       | 95       |
| 31) Cyclohexane               | 7.801  | 56    | 813      | 1.298    | ug/l #     | 56       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 2997     | 5.073    | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 3414     | 5.494    | ug/l #     | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43    | 400      | 1.337    | ug/l       | 88       |
| 68) m/p-Xylenes               | 11.703 | 106   | 939      | 1.204    | ug/l       | 100      |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 13153    | 55.313   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 13153    | 101.264  | ug/l #     | 3        |
| 95) Naphthalene               | 15.239 | 128   | 1089     | 1.235    | ug/l #     | 81       |
| -----                         |        |       |          |          |            |          |

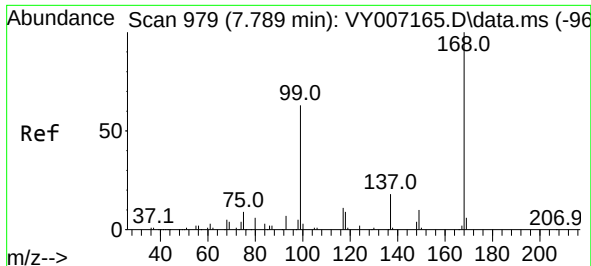
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011822\  
Data File : VY007208.D  
Acq On : 18 Jan 2022 14:07  
Operator : SY/MD  
Sample : N1166-01  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Jan 19 00:32:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 14 05:48:29 2022  
Response via : Initial Calibration

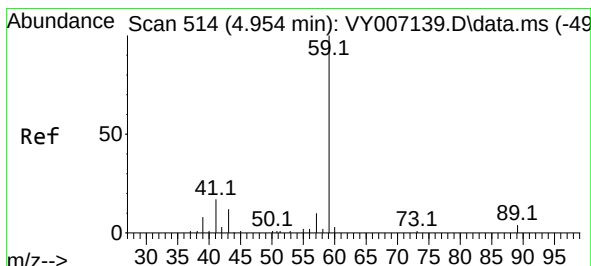
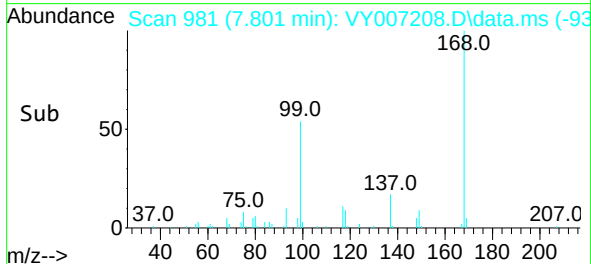
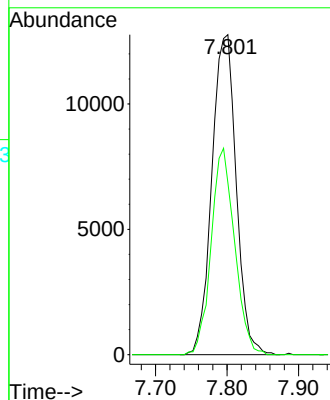
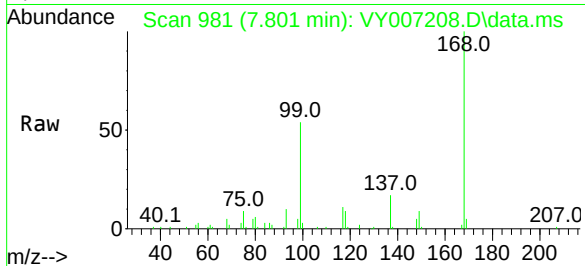




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

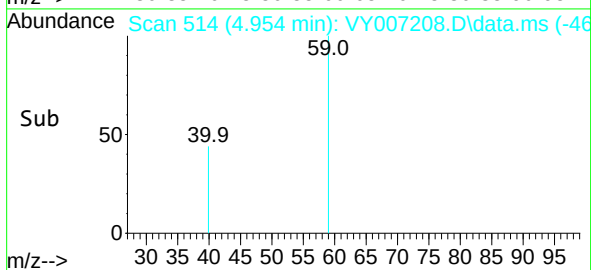
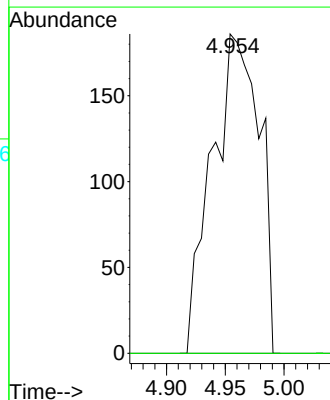
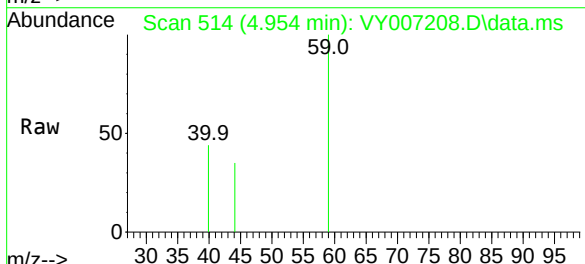
Instrument :  
MSVOA\_Y  
ClientSampleId :

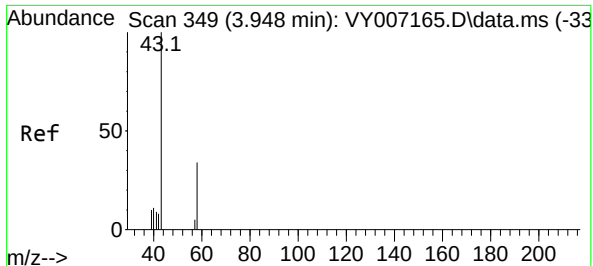
Tgt Ion:168 Resp: 30196  
Ion Ratio Lower Upper  
168 100  
99 53.7 49.1 73.7



#11  
Tert butyl alcohol  
Concen: 11.973 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.000 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

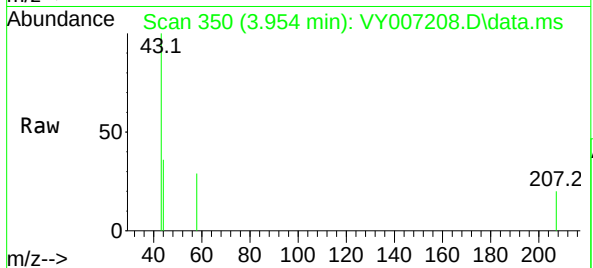
Tgt Ion: 59 Resp: 523  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#



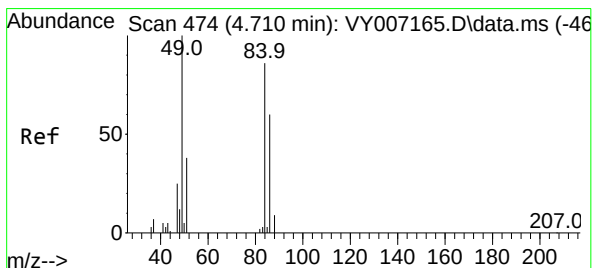
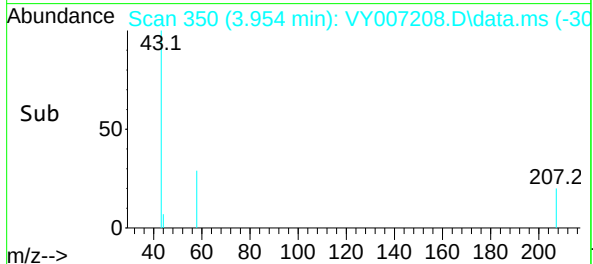
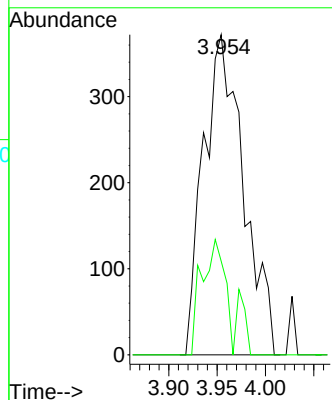


#16  
Acetone  
Concen: 11.128 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

Instrument :  
MSVOA\_Y  
ClientSampleId :

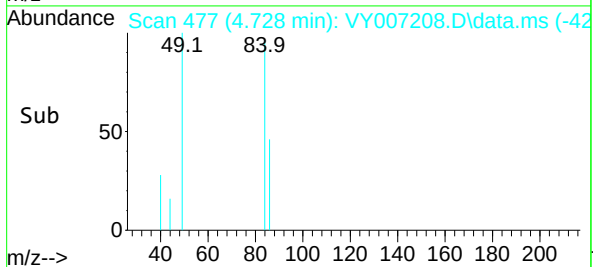
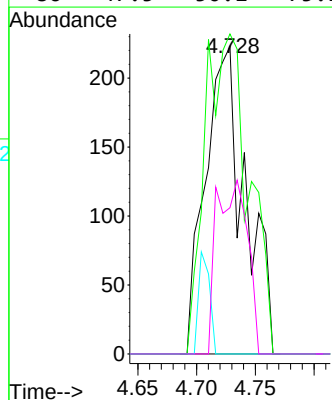
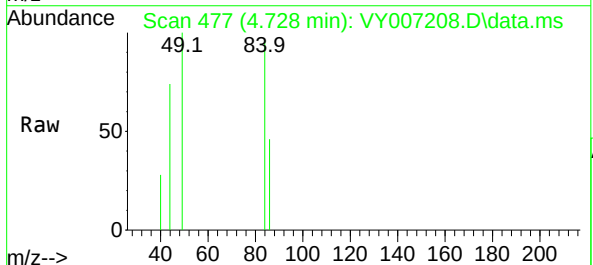


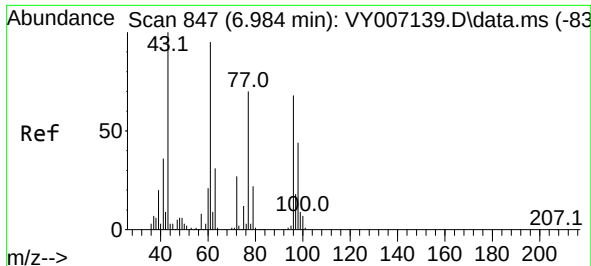
Tgt Ion: 43 Resp: 1070  
Ion Ratio Lower Upper  
43 100  
58 29.3 23.8 35.6



#20  
Methylene Chloride  
Concen: 1.325 ug/l  
RT: 4.728 min Scan# 477  
Delta R.T. 0.019 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

Tgt Ion: 84 Resp: 527  
Ion Ratio Lower Upper  
84 100  
49 104.0 92.6 139.0  
51 0.0 28.6 42.8#  
86 47.5 50.1 75.1#





#25

2-Butanone

Concen: 1.681 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

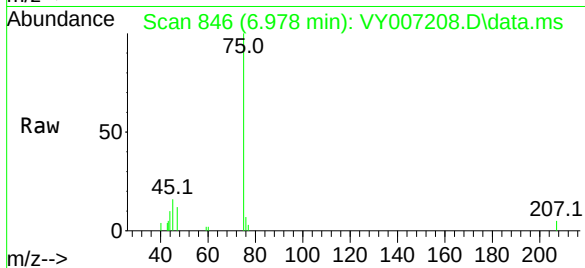
Lab File: VY007208.D

Acq: 18 Jan 2022 14:07

Instrument :

MSVOA\_Y

ClientSampleId :

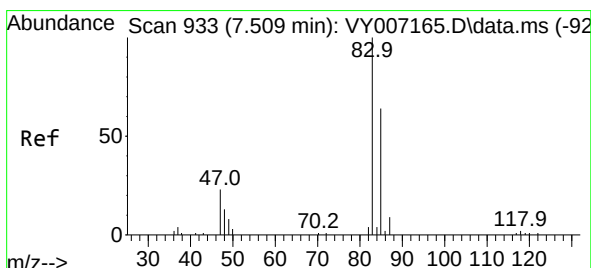
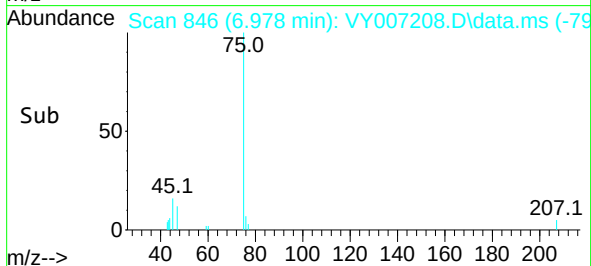
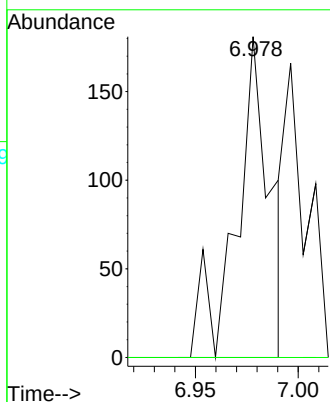


Tgt Ion: 43 Resp: 209

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#



#30

Chloroform

Concen: 1.940 ug/l

RT: 7.515 min Scan# 934

Delta R.T. 0.006 min

Lab File: VY007208.D

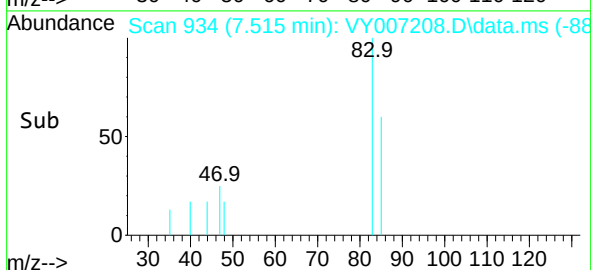
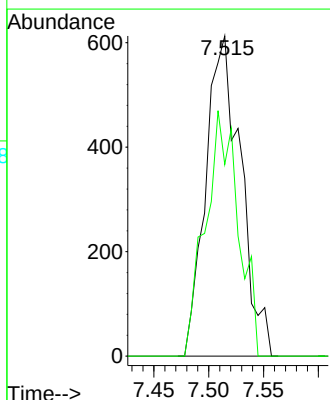
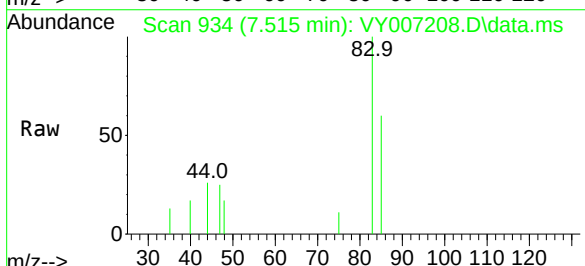
Acq: 18 Jan 2022 14:07

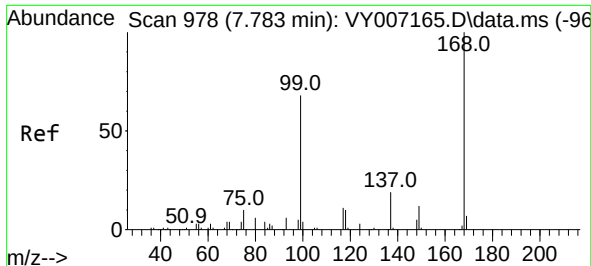
Tgt Ion: 83 Resp: 1361

Ion Ratio Lower Upper

83 100

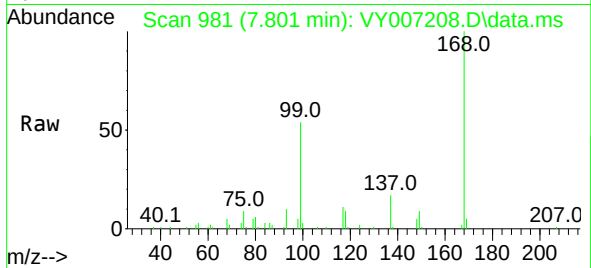
85 59.9 50.9 76.3



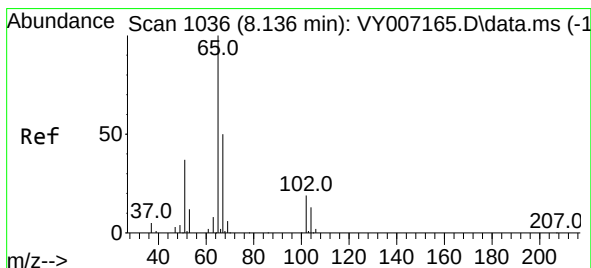
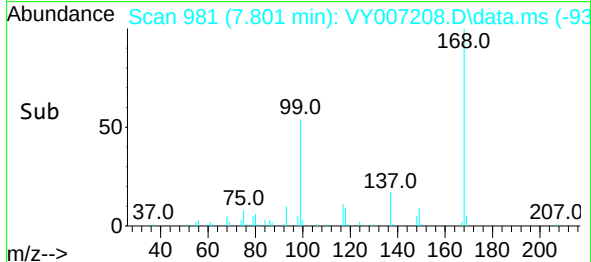
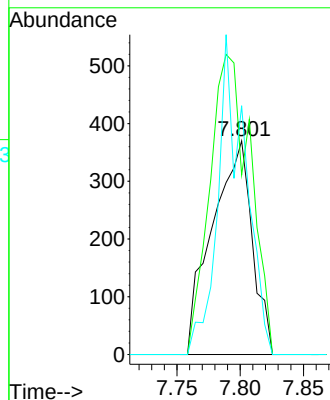


#31  
Cyclohexane  
Concen: 1.298 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.013 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

Instrument :  
MSVOA\_Y  
ClientSampleId :

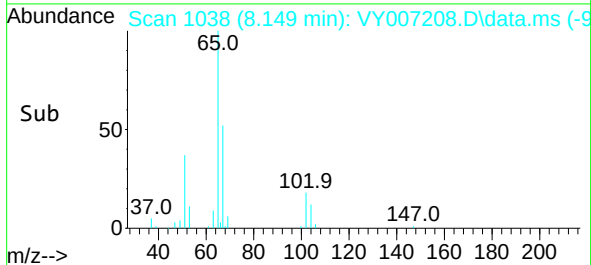
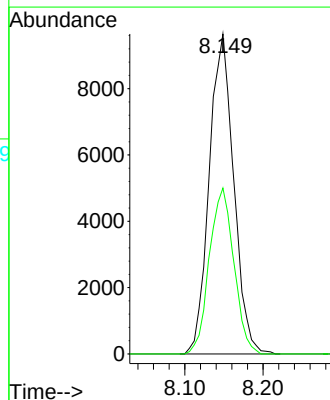
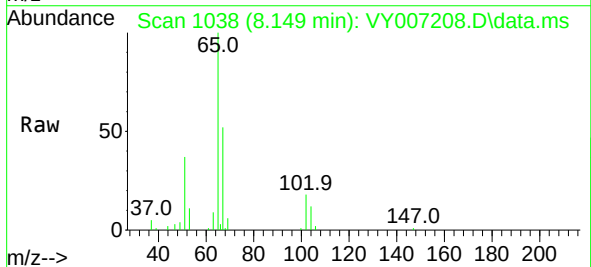


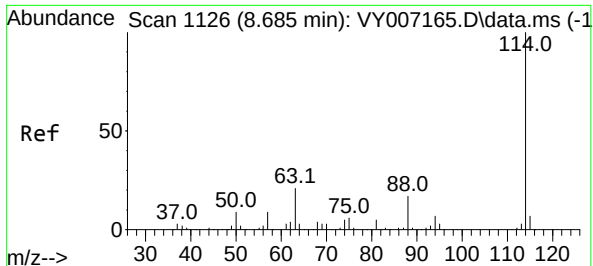
Tgt Ion: 56 Resp: 813  
Ion Ratio Lower Upper  
56 100  
69 84.1 27.2 40.8#  
84 116.5 72.1 108.1#



#33  
1,2-Dichloroethane-d4  
Concen: 56.514 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

Tgt Ion: 65 Resp: 20939  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY007208.D

Acq: 18 Jan 2022 14:07

Instrument :

MSVOA\_Y

ClientSampleId :

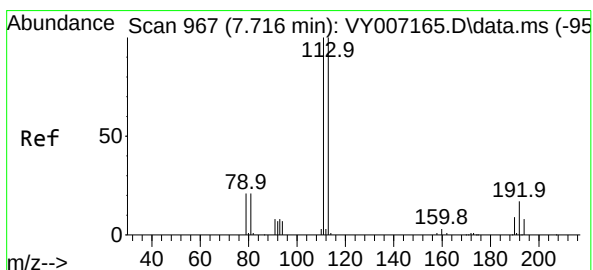
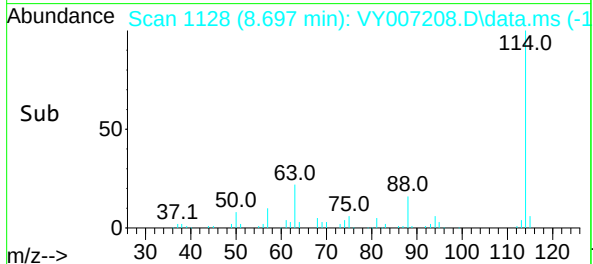
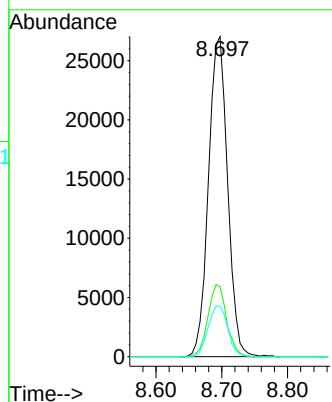
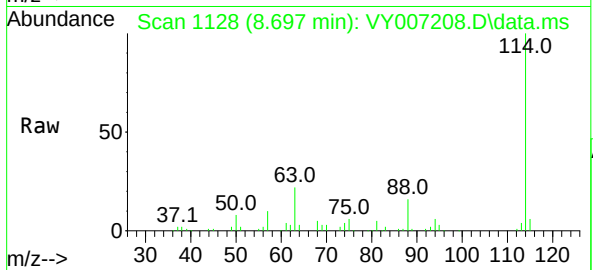
Tgt Ion:114 Resp: 54709

Ion Ratio Lower Upper

114 100

63 21.9 0.0 39.2

88 15.7 0.0 31.0



#35

Dibromofluoromethane

Concen: 50.214 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007208.D

Acq: 18 Jan 2022 14:07

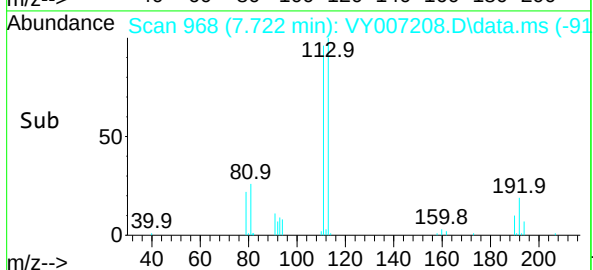
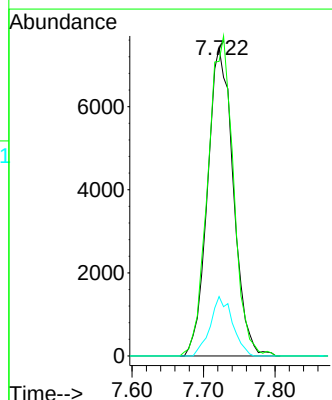
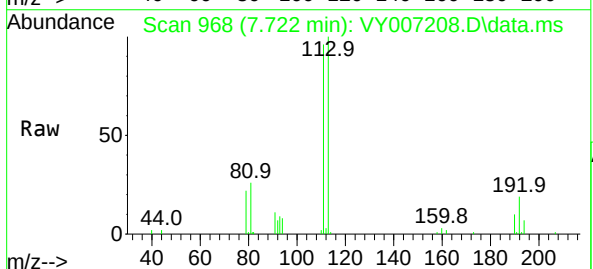
Tgt Ion:113 Resp: 18576

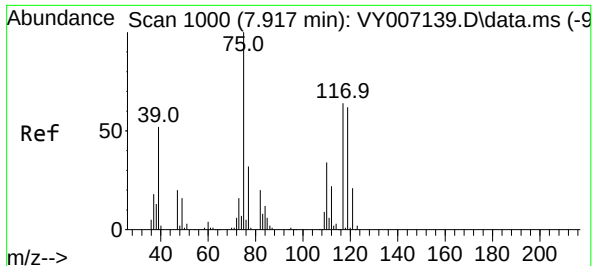
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

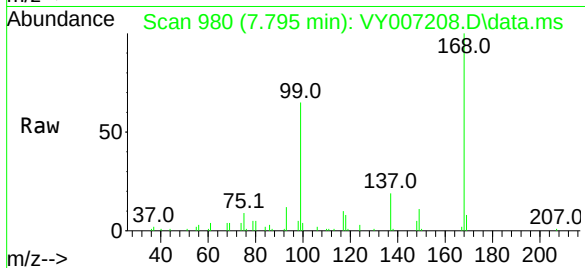
192 16.7 14.2 21.4



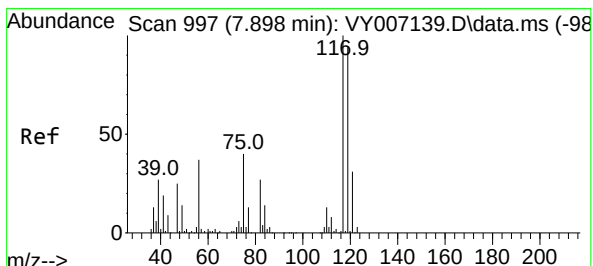
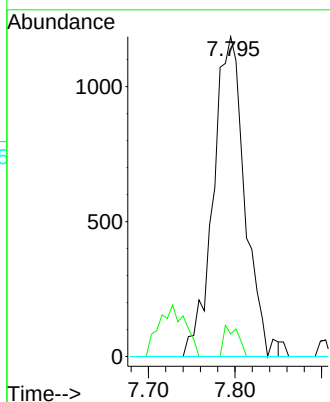
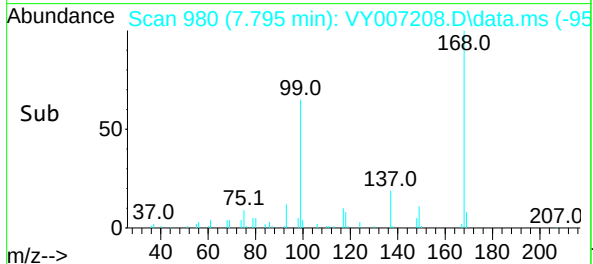


#36  
 1,1-Dichloropropene  
 Concen: 5.073 ug/l  
 RT: 7.795 min Scan# 910  
 Delta R.T. -0.122 min  
 Lab File: VY007208.D  
 Acq: 18 Jan 2022 14:07

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

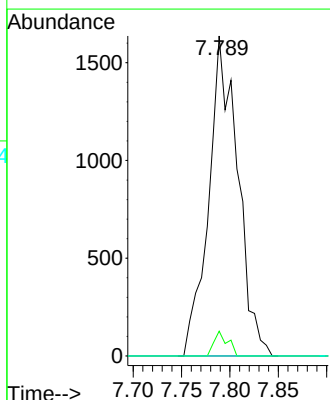
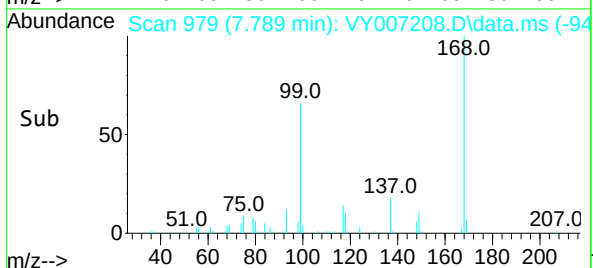
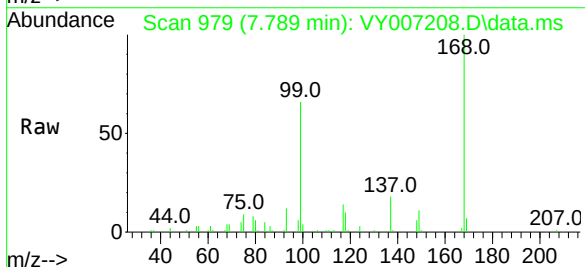


Tgt Ion: 75 Resp: 2997  
 Ion Ratio Lower Upper  
 75 100  
 110 4.4 17.3 51.9#  
 77 0.0 24.7 37.1#

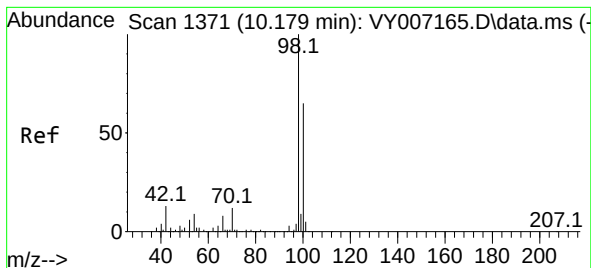


#38  
 Carbon Tetrachloride  
 Concen: 5.494 ug/l  
 RT: 7.789 min Scan# 979  
 Delta R.T. -0.109 min  
 Lab File: VY007208.D  
 Acq: 18 Jan 2022 14:07

Tgt Ion: 117 Resp: 3414  
 Ion Ratio Lower Upper  
 117 100  
 119 7.8 77.2 115.8#  
 121 0.0 24.2 36.2#



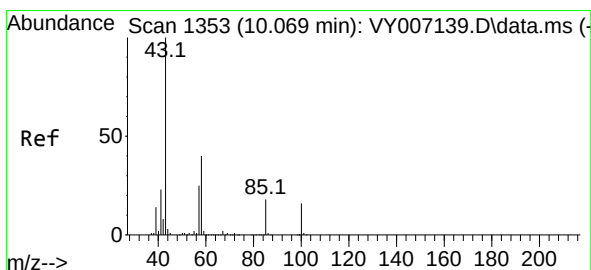
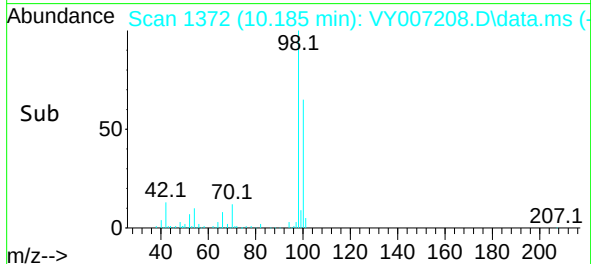
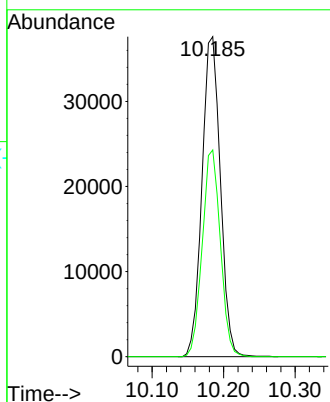
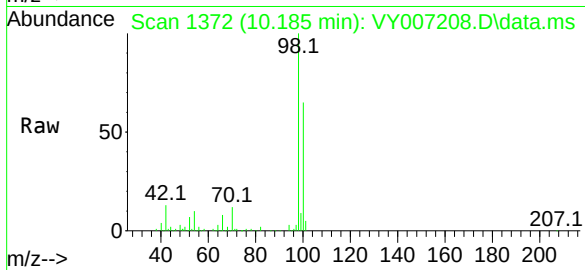




#50  
Toluene-d8  
Concen: 49.645 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

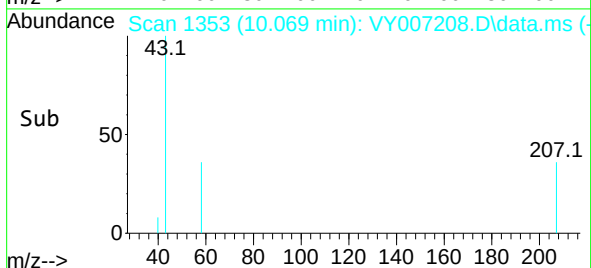
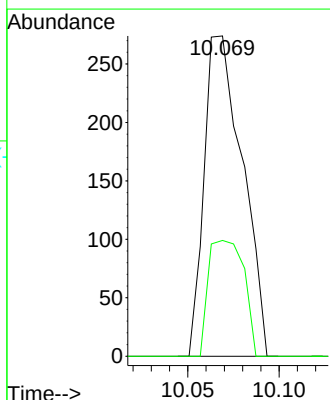
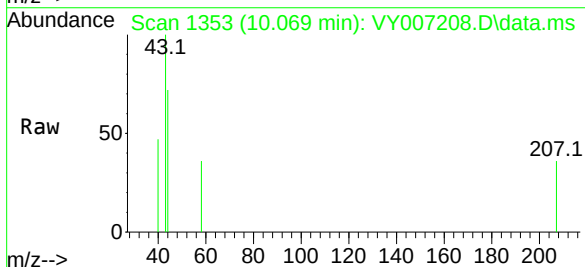
Instrument :  
MSVOA\_Y  
ClientSampleId :

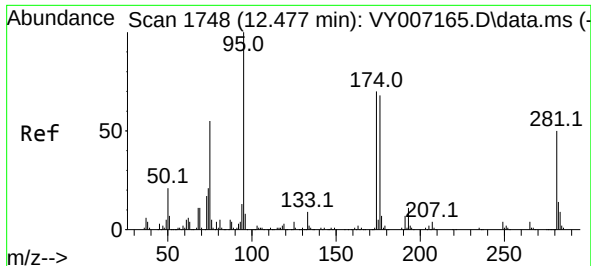
Tgt Ion: 98 Resp: 67106  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.2 78.2



#51  
4-Methyl-2-Pentanone  
Concen: 1.337 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

Tgt Ion: 43 Resp: 400  
Ion Ratio Lower Upper  
43 100  
58 33.5 32.8 49.2

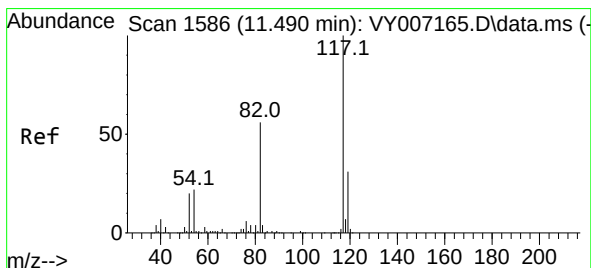
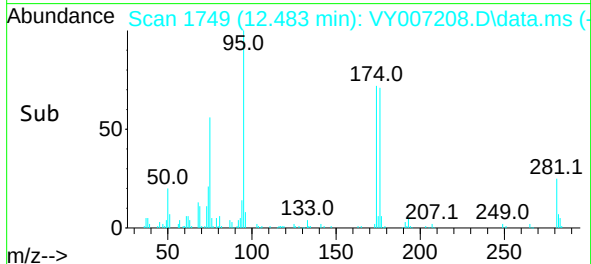
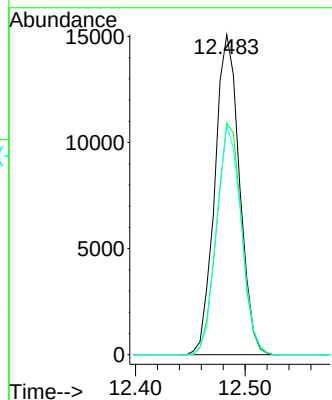
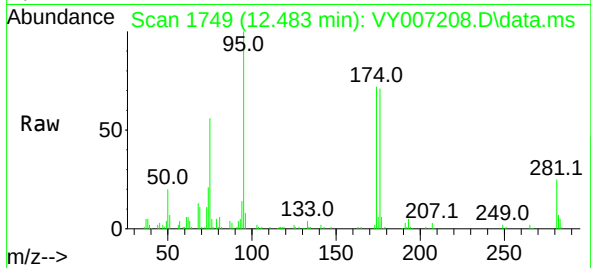




#62  
4-Bromofluorobenzene  
Concen: 49.053 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

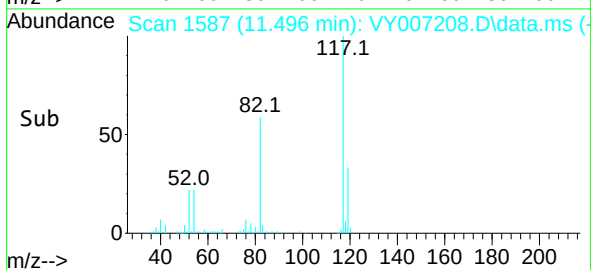
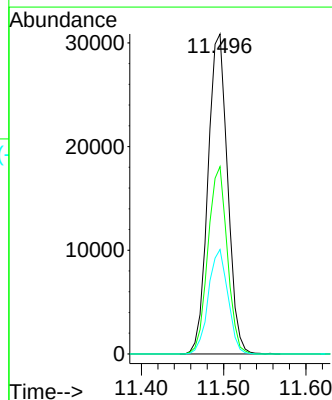
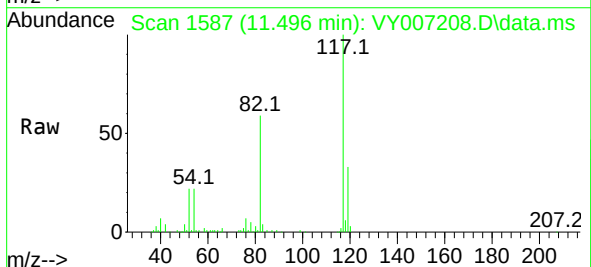
Instrument :  
MSVOA\_Y  
ClientSampleId :

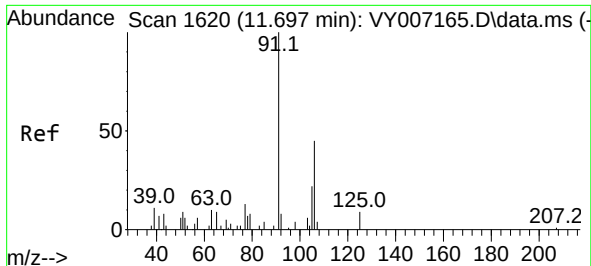
Tgt Ion: 95 Resp: 23586  
Ion Ratio Lower Upper  
95 100  
174 73.0 0.0 148.4  
176 72.0 0.0 146.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

Tgt Ion:117 Resp: 51062  
Ion Ratio Lower Upper  
117 100  
82 58.6 45.4 68.0  
119 32.7 26.4 39.6

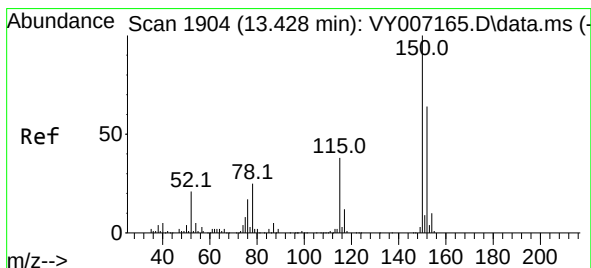
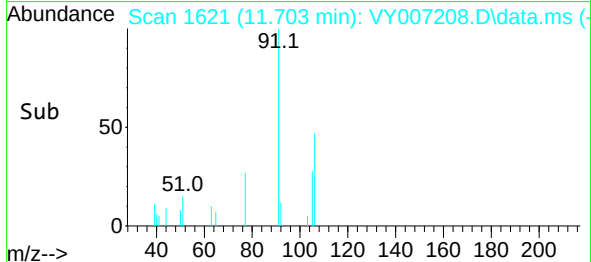
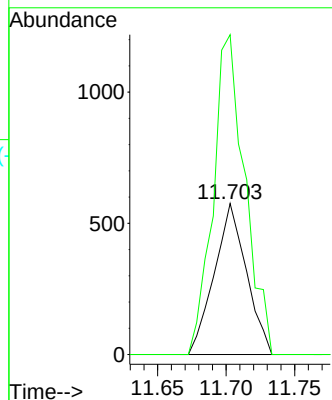
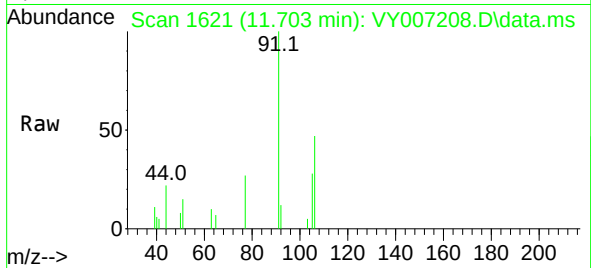




#68  
m/p-Xylenes  
Concen: 1.204 ug/l  
RT: 11.703 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

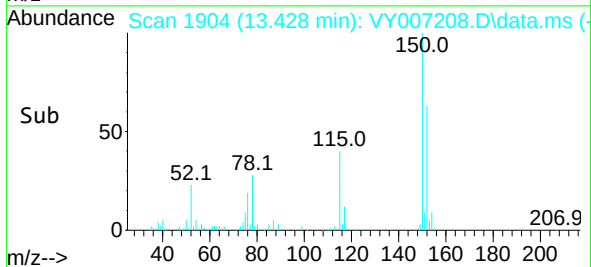
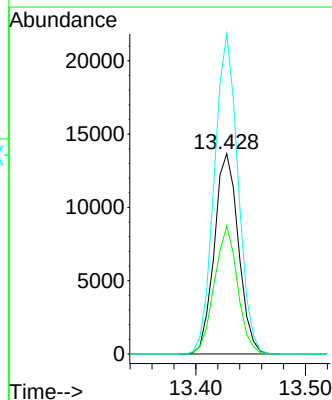
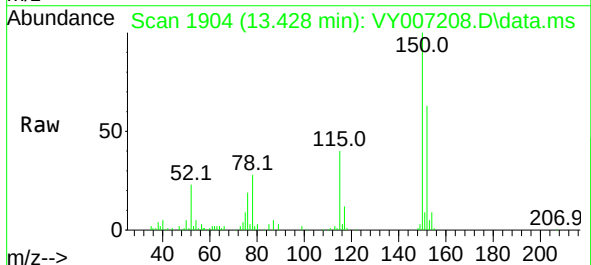
Instrument :  
MSVOA\_Y  
ClientSampleId :

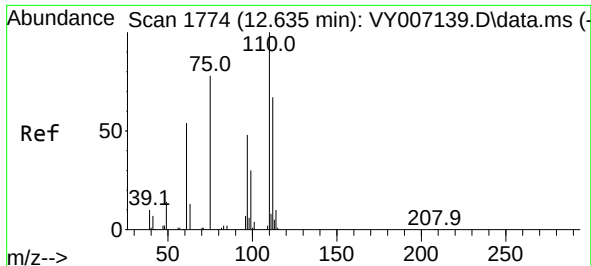
Tgt Ion:106 Resp: 939  
Ion Ratio Lower Upper  
106 100  
91 208.9 167.1 250.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

Tgt Ion:152 Resp: 20854  
Ion Ratio Lower Upper  
152 100  
115 61.3 31.4 94.0  
150 157.3 0.0 348.4

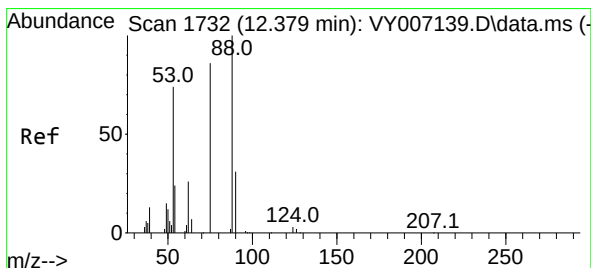
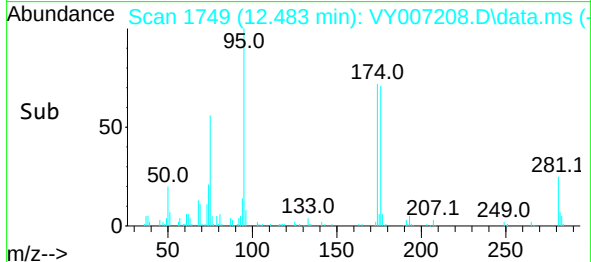
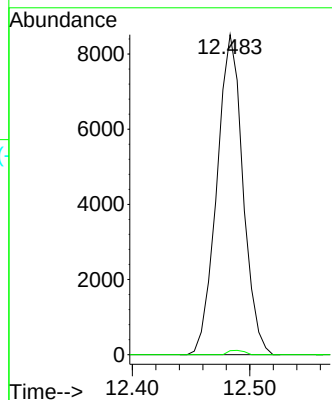
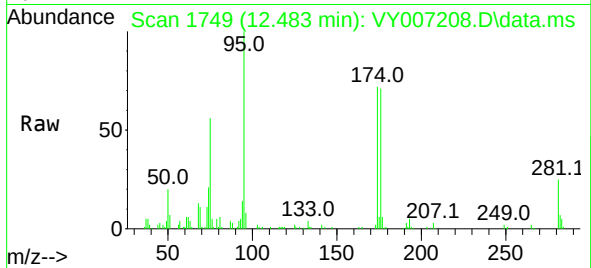




#76  
1,2,3-Trichloropropane  
Concen: 55.313 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

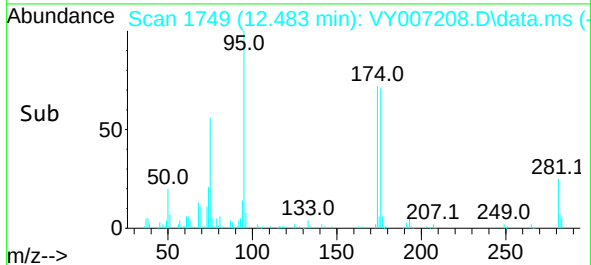
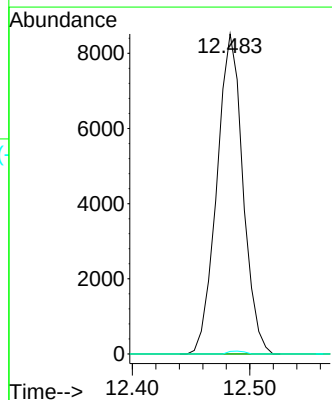
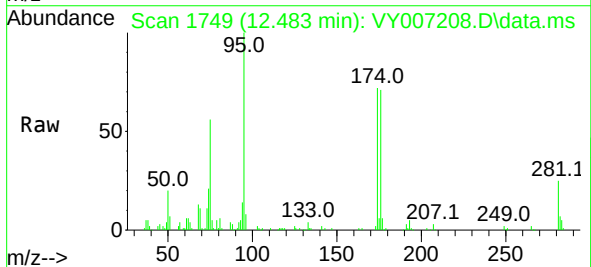
Instrument :  
MSVOA\_Y  
ClientSampleId :

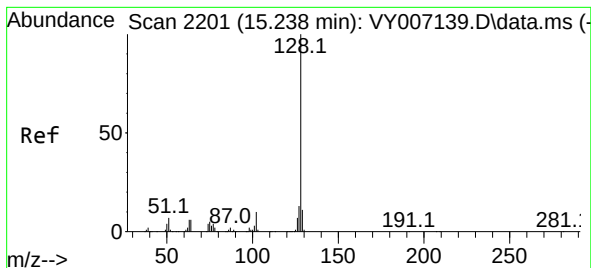
Tgt Ion: 75 Resp: 13153  
Ion Ratio Lower Upper  
75 100  
77 0.8 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 101.264 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY007208.D  
Acq: 18 Jan 2022 14:07

Tgt Ion: 75 Resp: 13153  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.9 110.9#  
89 0.6 0.0 0.0#





#95

Naphthalene

Concen: 1.235 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

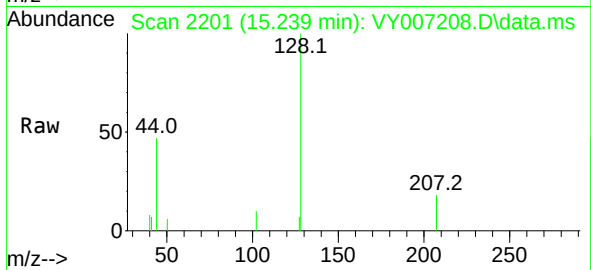
Lab File: VY007208.D

Acq: 18 Jan 2022 14:07

Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1089  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 8.8   | 10.3  | 15.5# |
| 129      | 0.0   | 8.9   | 13.3# |

