

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111721\  
 Data File : VY006786.D  
 Acq On : 17 Nov 2021 14:20  
 Operator : SY/MD  
 Sample : M4673-01  
 Misc : 4.99G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RO-72-11933

Quant Time: Nov 18 03:01:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

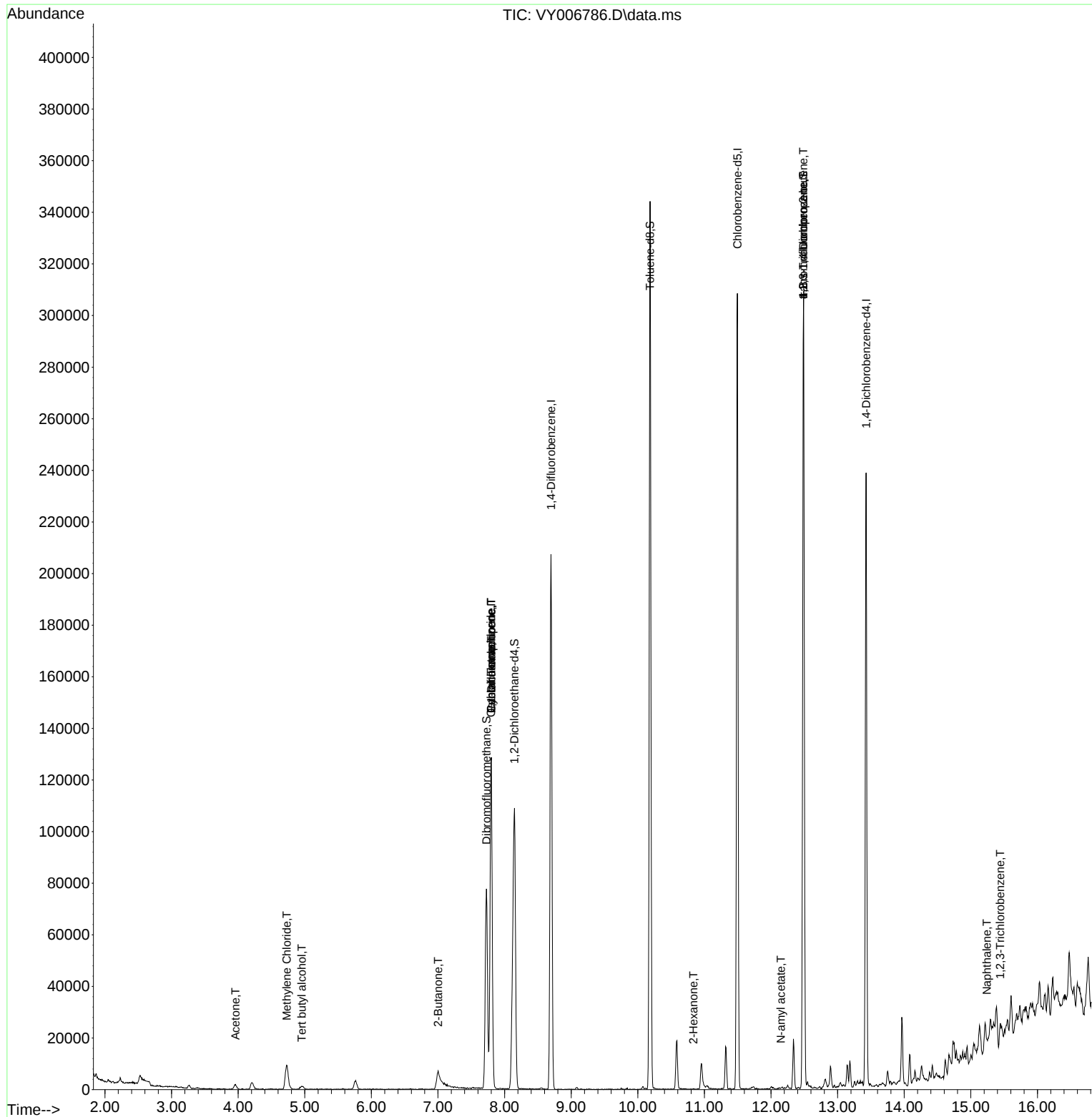
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 97033               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 170837              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 150824              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 54944               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 73479               | 57.779  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 115.560% |         |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 51884               | 49.444  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 98.880%  |         |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 208958              | 48.121  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 96.240%  |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 63403               | 43.311  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 86.620%  |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.954          | 59   | 2352                | 12.298  | ug/l # | 78       |
| 16) Acetone                   | 3.960          | 43   | 3232                | 8.365   | ug/l   | 98       |
| 20) Methylene Chloride        | 4.729          | 84   | 6683                | 2.544   | ug/l   | 92       |
| 25) 2-Butanone                | 7.003          | 43   | 1024                | 13.239  | ug/l # | 52       |
| 31) Cyclohexane               | 7.801          | 56   | 2453                | 1.097   | ug/l # | 16       |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 7974                | 4.294   | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 9727                | 5.121   | ug/l # | 17       |
| 59) 2-Hexanone                | 10.837         | 43   | 116                 | 23.933  | ug/l # | 28       |
| 74) N-amyl acetate            | 12.148         | 43   | 49                  | 3.186   | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 38280               | 64.082  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 38280               | 126.976 | ug/l # | 7        |
| 95) Naphthalene               | 15.239         | 128  | 3378                | 1.707   | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.440         | 180  | 906                 | 1.016   | ug/l # | 34       |
| -----                         |                |      |                     |         |        |          |

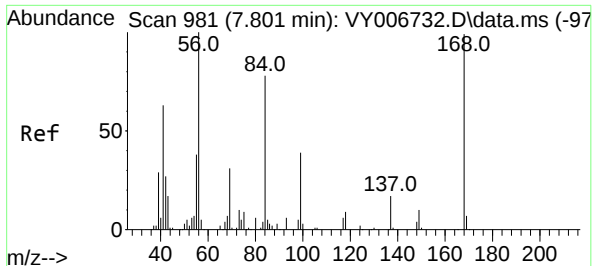
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111721\  
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Sample : M4673-01  
Misc : 4.99G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-72-11933

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Quant Title : SW846 8260  
QLast Update : Tue Nov 16 04:20:03 2021  
Response via : Initial Calibration

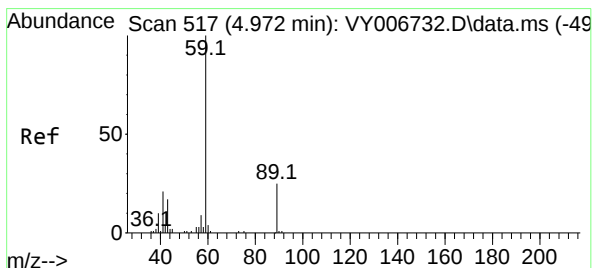
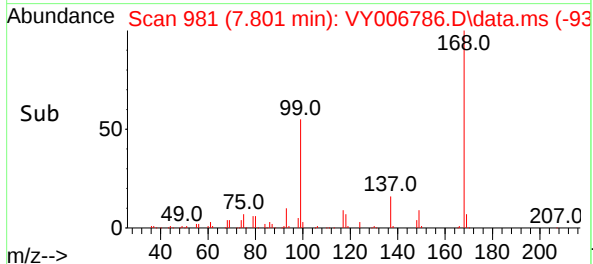
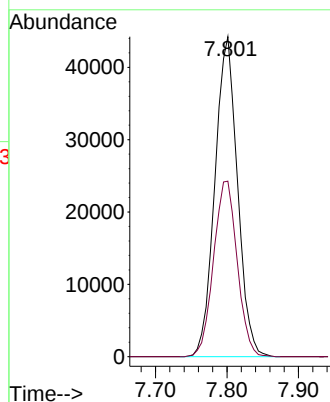
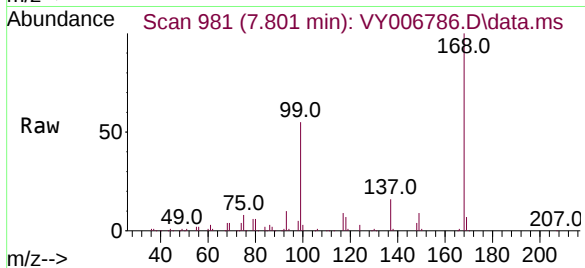




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

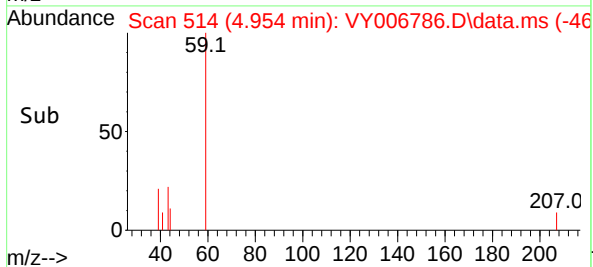
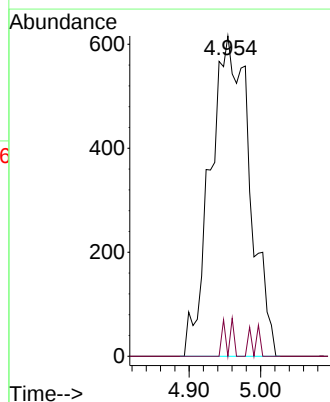
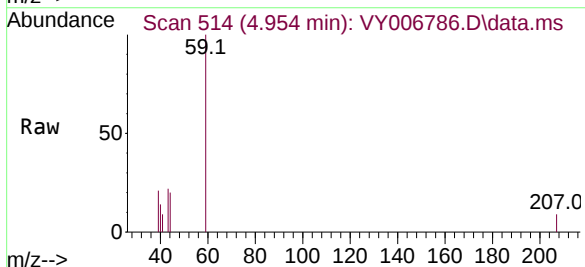
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-72-11933

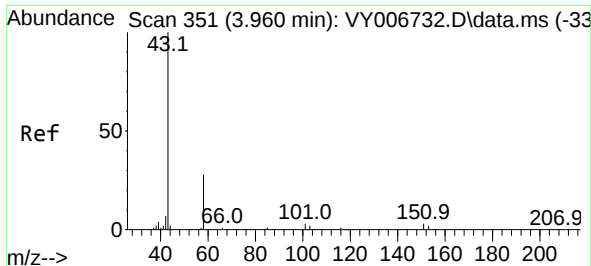
Tgt Ion:168 Resp: 97033  
Ion Ratio Lower Upper  
168 100  
99 54.8 44.8 67.2



#11  
Tert butyl alcohol  
Concen: 12.298 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. -0.018 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

Tgt Ion: 59 Resp: 2352  
Ion Ratio Lower Upper  
59 100  
57 2.2 8.2 12.4#





#16

Acetone

Concen: 8.365 ug/l

RT: 3.960 min Scan# 3

Delta R.T. -0.000 min

Lab File: VY006786.D

Acq: 17 Nov 2021 14:20

Instrument :

MSVOA\_Y

ClientSampleId :

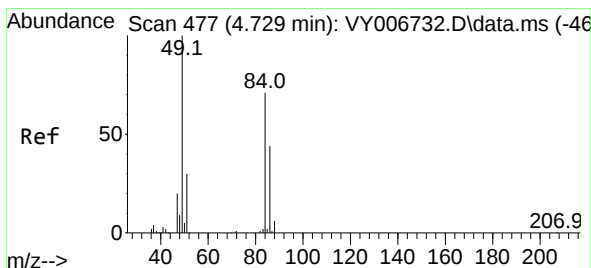
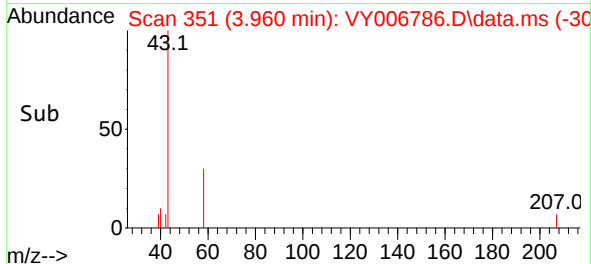
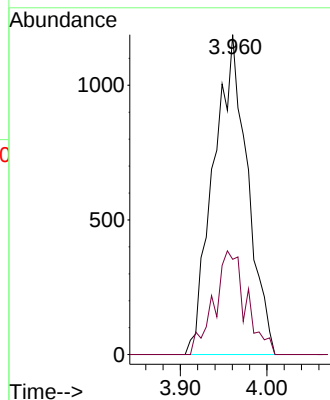
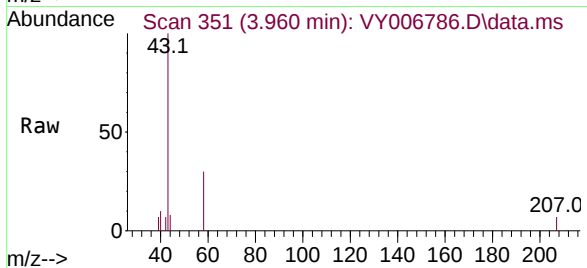
RO-72-11933

Tgt Ion: 43 Resp: 3232

Ion Ratio Lower Upper

43 100

58 29.8 22.9 34.3



#20

Methylene Chloride

Concen: 2.544 ug/l

RT: 4.729 min Scan# 477

Delta R.T. -0.000 min

Lab File: VY006786.D

Acq: 17 Nov 2021 14:20

Tgt Ion: 84 Resp: 6683

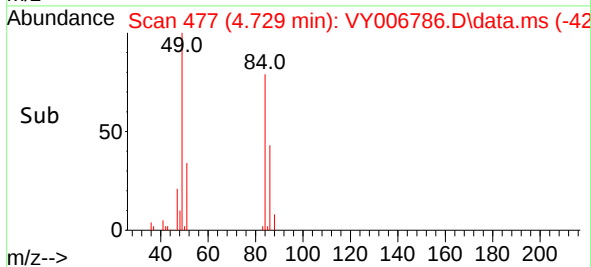
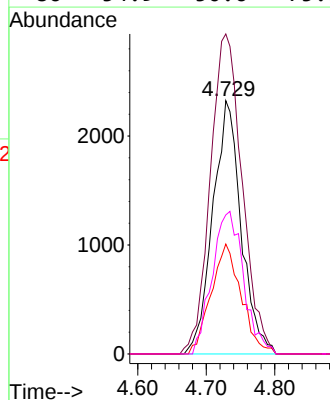
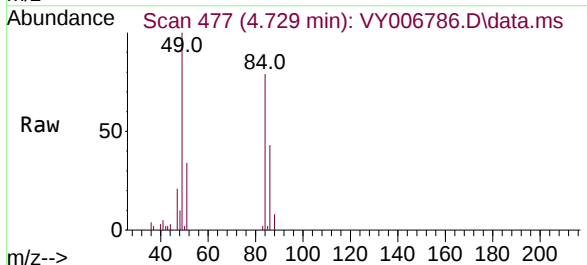
Ion Ratio Lower Upper

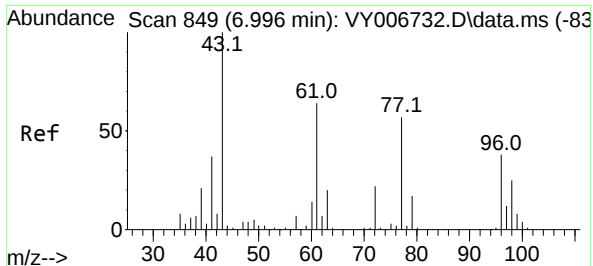
84 100

49 126.3 107.8 161.8

51 43.4 32.8 49.2

86 54.9 50.6 75.8





#25

2-Butanone

Concen: 13.239 ug/l

RT: 7.003 min Scan# 849

Delta R.T. 0.007 min

Lab File: VY006786.D

Acq: 17 Nov 2021 14:20

Instrument :

MSVOA\_Y

ClientSampleId :

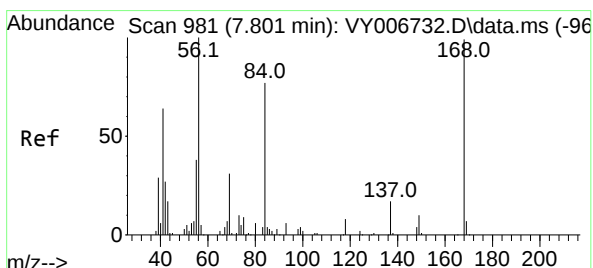
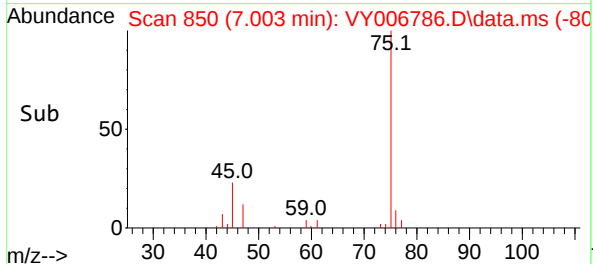
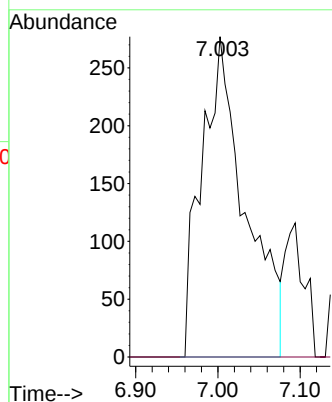
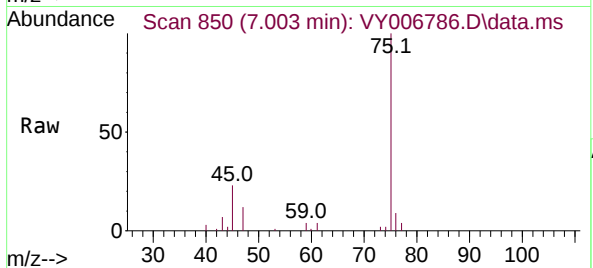
RO-72-11933

Tgt Ion: 43 Resp: 1024

Ion Ratio Lower Upper

43 100

72 0.0 18.9 28.3#



#31

Cyclohexane

Concen: 1.097 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY006786.D

Acq: 17 Nov 2021 14:20

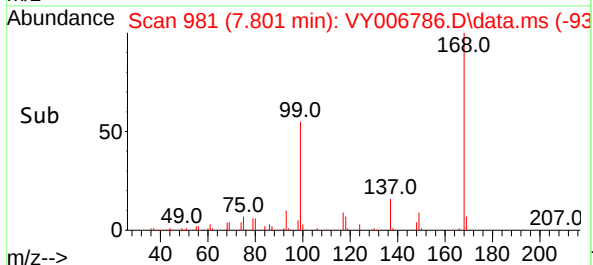
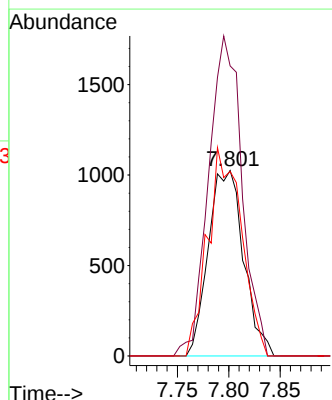
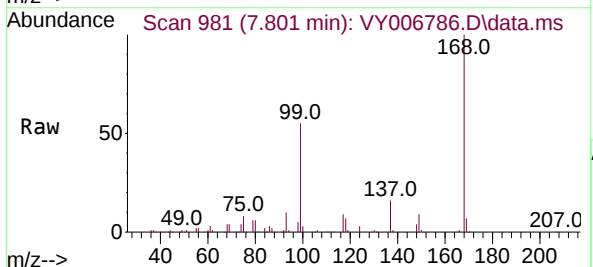
Tgt Ion: 56 Resp: 2453

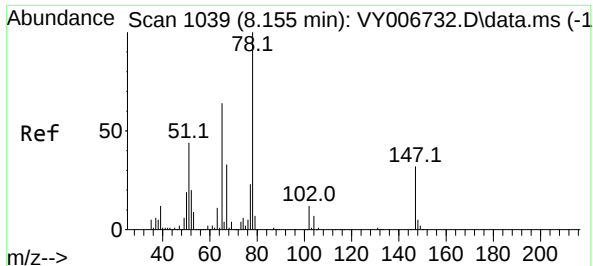
Ion Ratio Lower Upper

56 100

69 156.5 26.6 40.0#

84 107.2 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 57.779 ug/l

RT: 8.149 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY006786.D

Acq: 17 Nov 2021 14:20

Instrument :

MSVOA\_Y

ClientSampleId :

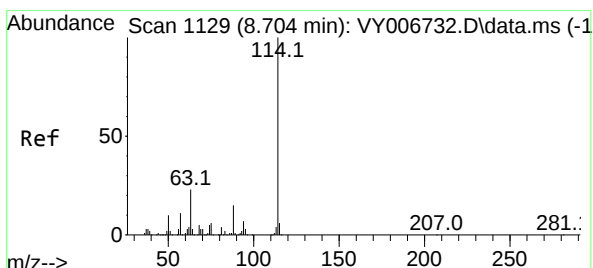
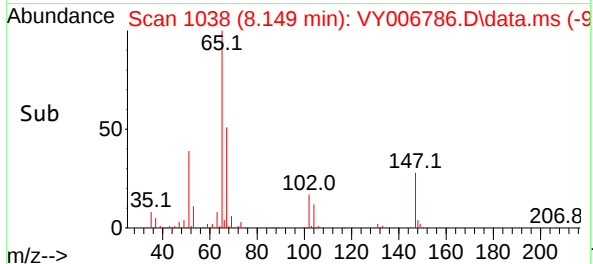
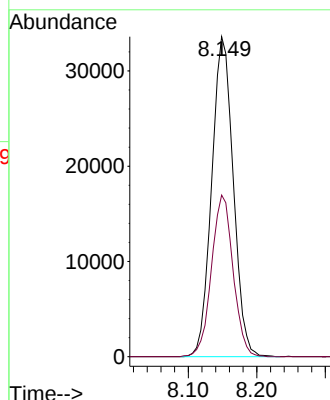
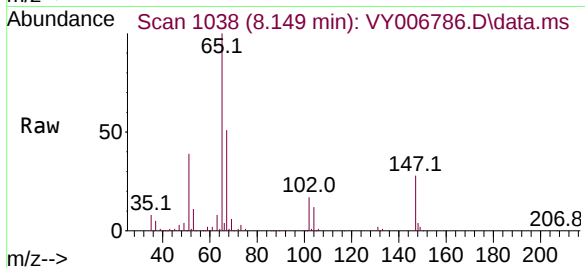
RO-72-11933

Tgt Ion: 65 Resp: 73479

Ion Ratio Lower Upper

65 100

67 50.6 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006786.D

Acq: 17 Nov 2021 14:20

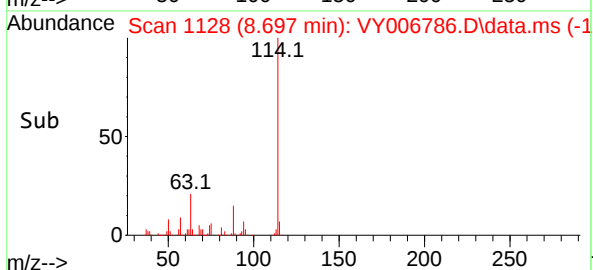
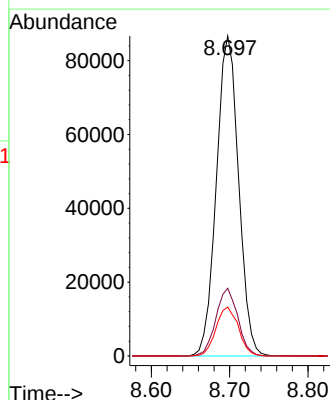
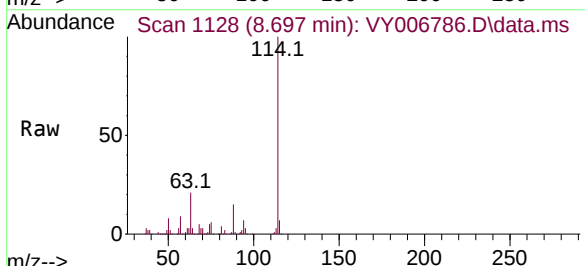
Tgt Ion: 114 Resp: 170837

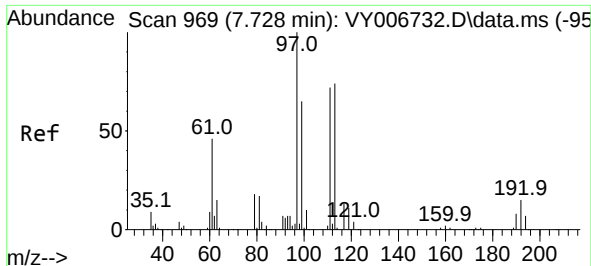
Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.0

88 15.3 0.0 30.6

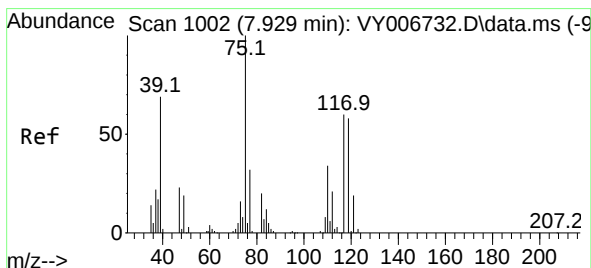
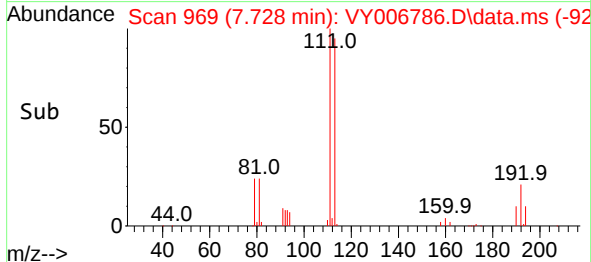
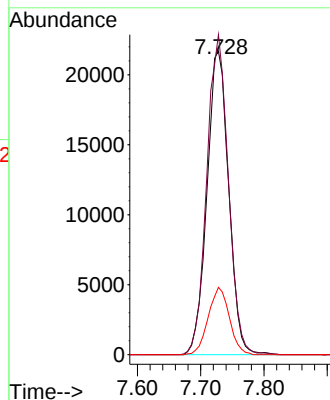
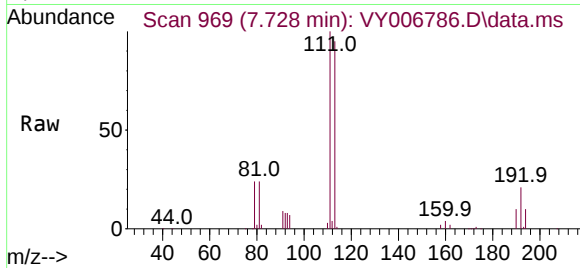




#35  
 Dibromofluoromethane  
 Concen: 49.444 ug/l  
 RT: 7.728 min Scan# 90  
 Delta R.T. -0.000 min  
 Lab File: VY006786.D  
 Acq: 17 Nov 2021 14:20

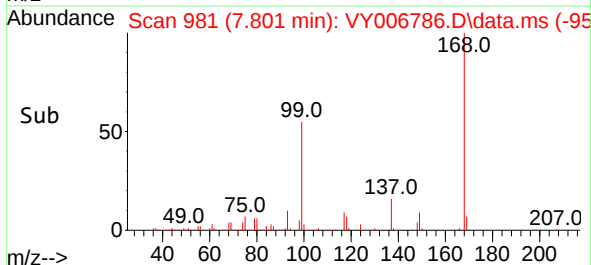
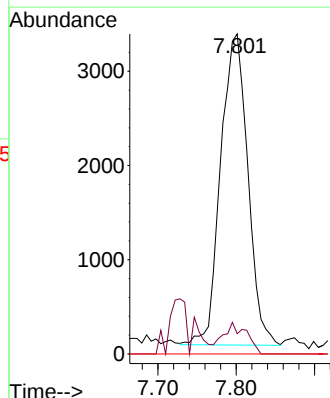
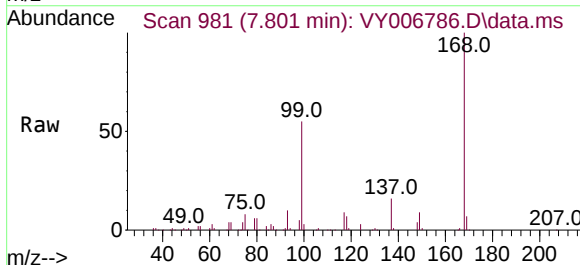
Instrument :  
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 RO-72-11933

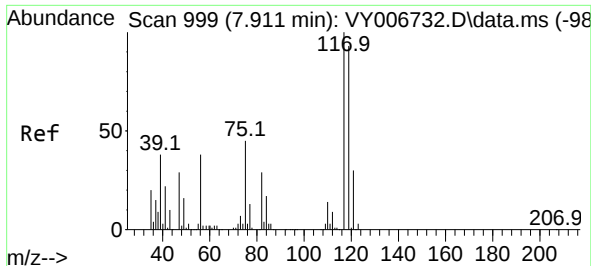
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 Ion Ratio Lower Upper  
 113 100  
 111 104.3 82.3 123.5  
 192 21.5 17.4 26.2



#36  
 1,1-Dichloropropene  
 Concen: 4.294 ug/l  
 RT: 7.801 min Scan# 981  
 Delta R.T. -0.128 min  
 Lab File: VY006786.D  
 Acq: 17 Nov 2021 14:20

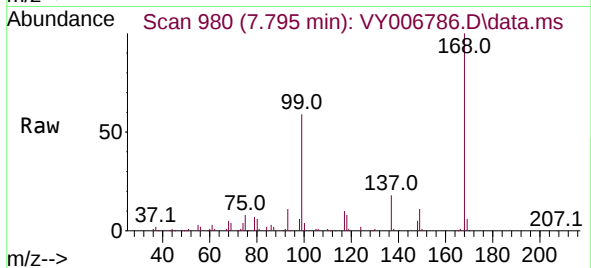
Tgt Ion: 75 Resp: 7974  
 Ion Ratio Lower Upper  
 75 100  
 110 8.5 17.1 51.3#  
 77 0.0 24.9 37.3#



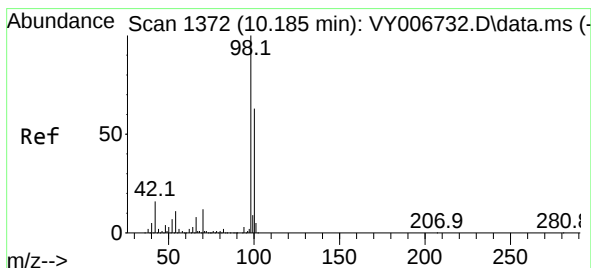
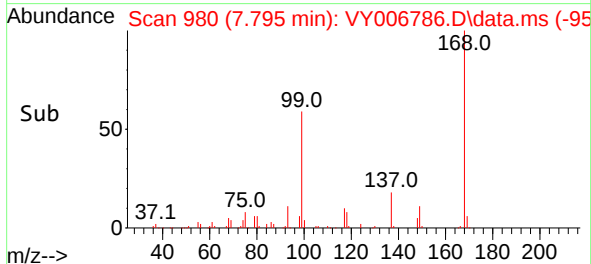
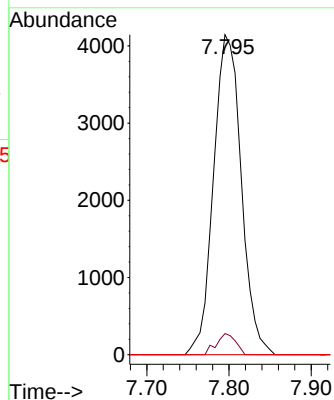


#38  
Carbon Tetrachloride  
Concen: 5.121 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-72-11933

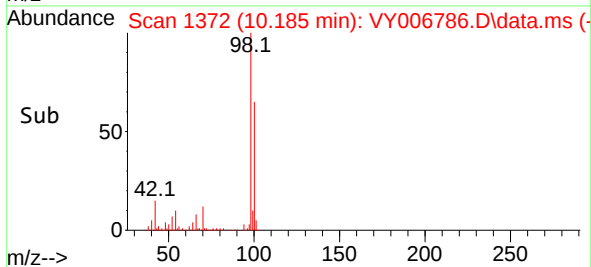
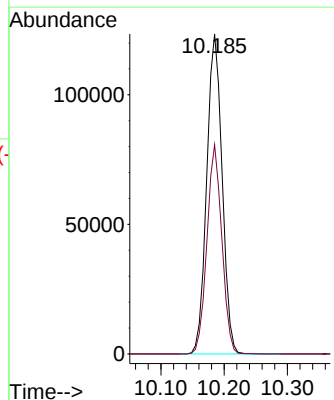
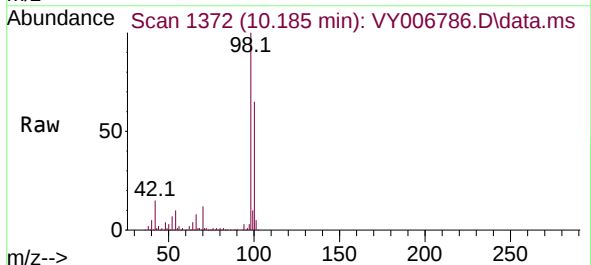


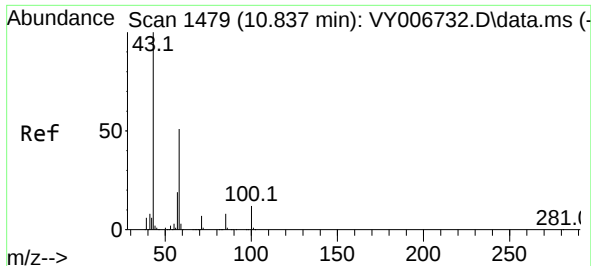
Tgt Ion:117 Resp: 9727  
Ion Ratio Lower Upper  
117 100  
119 6.6 76.6 115.0#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 48.121 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

Tgt Ion: 98 Resp: 208958  
Ion Ratio Lower Upper  
98 100  
100 63.2 50.9 76.3

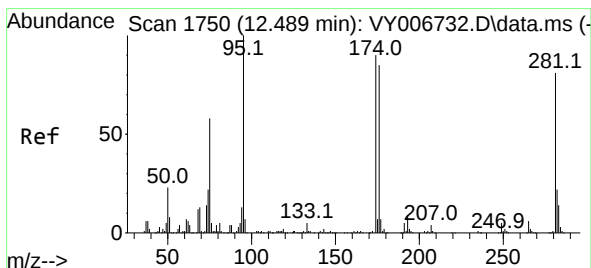
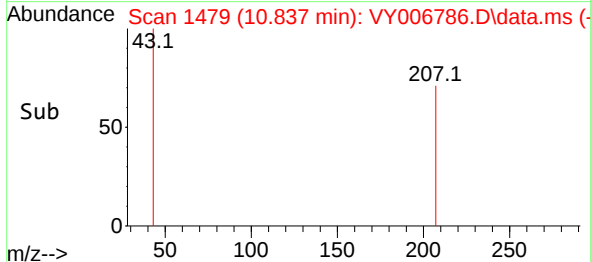
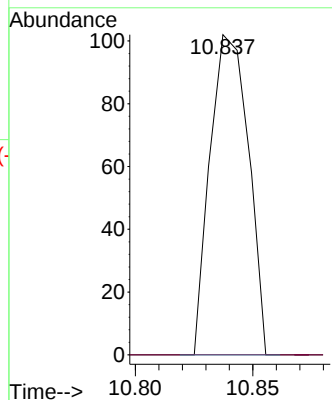
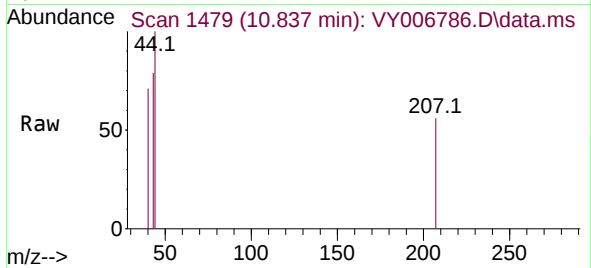




#59  
2-Hexanone  
Concen: 23.933 ug/l  
RT: 10.837 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

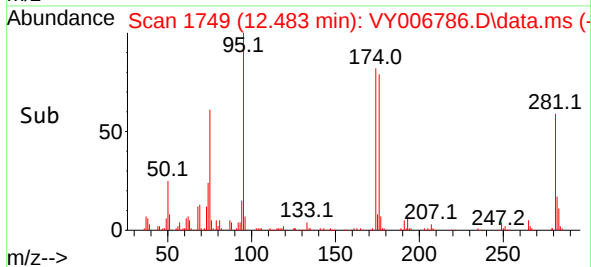
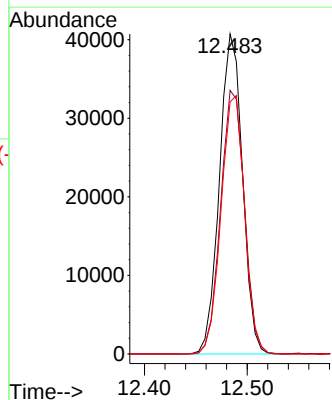
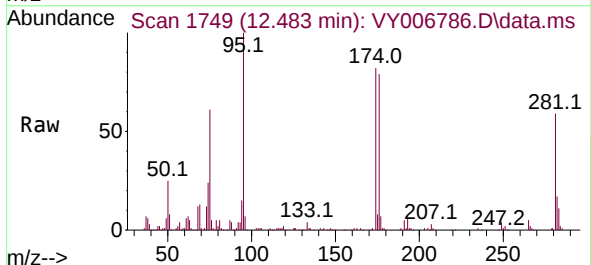
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-72-11933

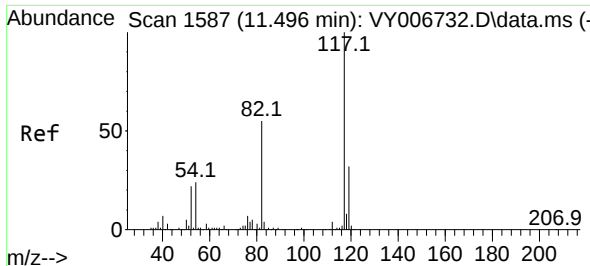
Tgt Ion: 43 Resp: 116  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.6 73.6#



#62  
4-Bromofluorobenzene  
Concen: 43.311 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

Tgt Ion: 95 Resp: 63403  
Ion Ratio Lower Upper  
95 100  
174 84.9 0.0 177.0  
176 82.5 0.0 169.4

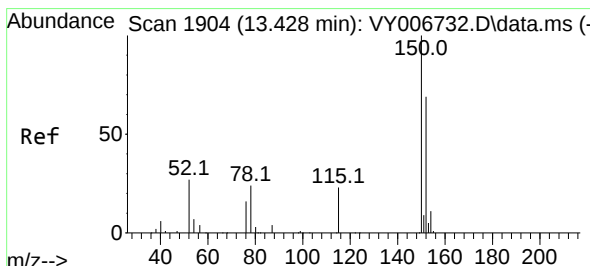
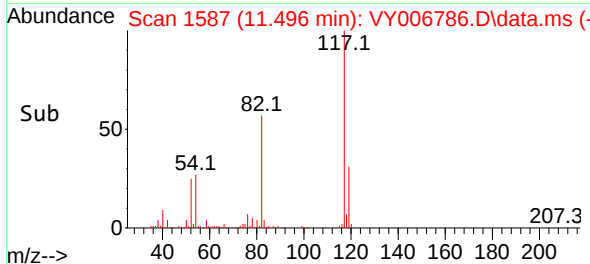
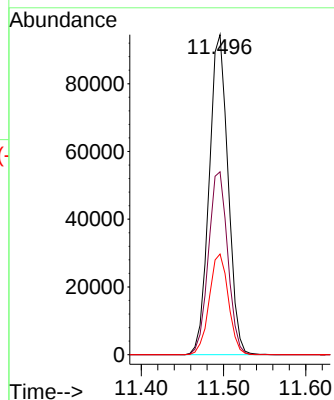
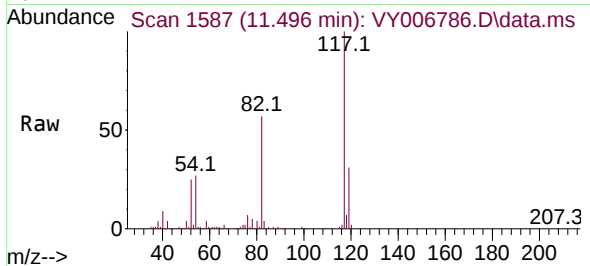




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

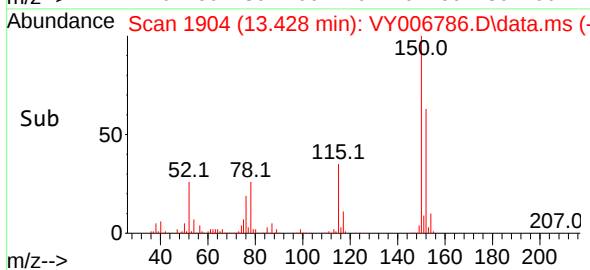
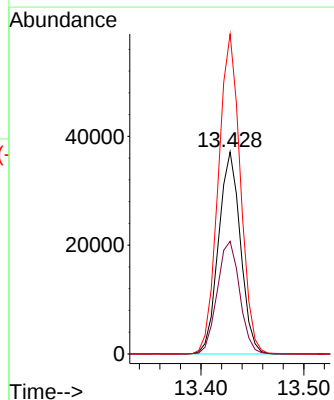
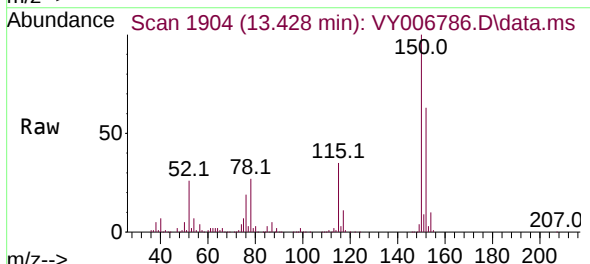
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-72-11933

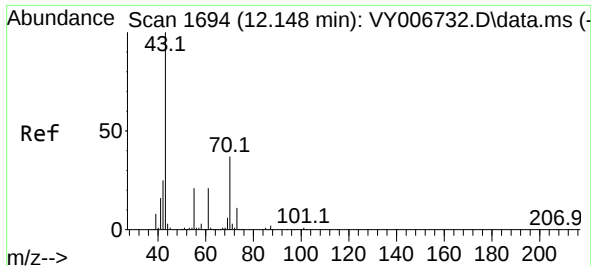
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 150824 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.1  | 45.7  | 68.5   |
| 119      | 31.5  | 25.5  | 38.3   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

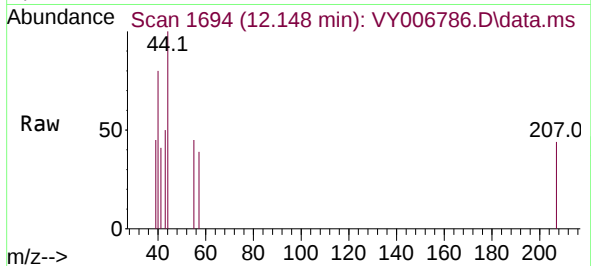
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 54944 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 57.1  | 28.5  | 85.5  |
| 150      | 159.3 | 0.0   | 348.2 |



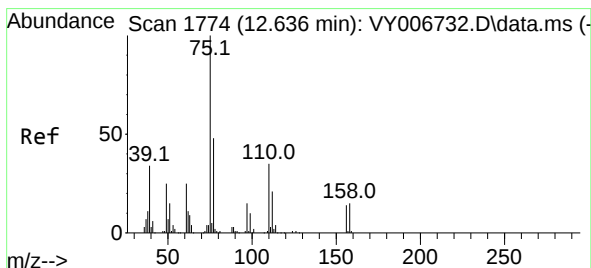
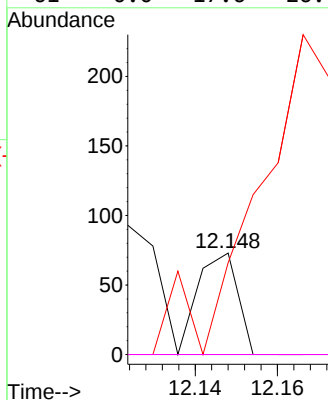
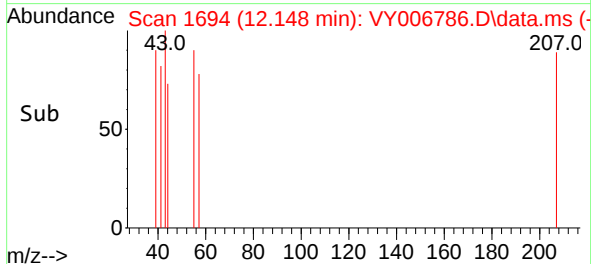


#74  
N-amy1 acetate  
Concen: 3.186 ug/l  
RT: 12.148 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-72-11933

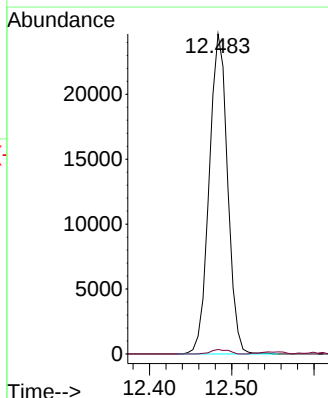
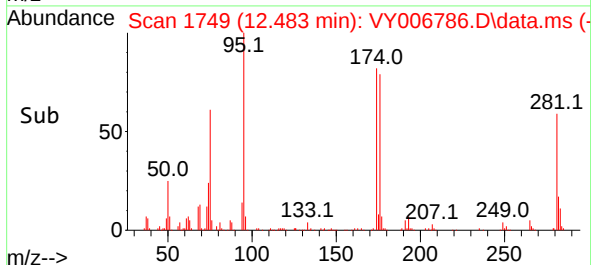
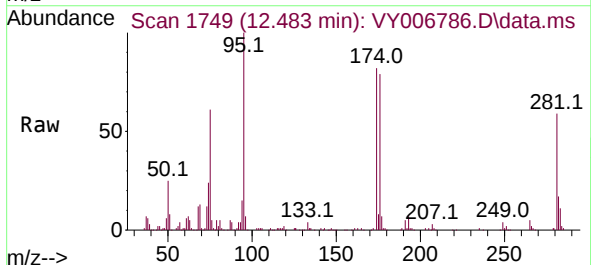


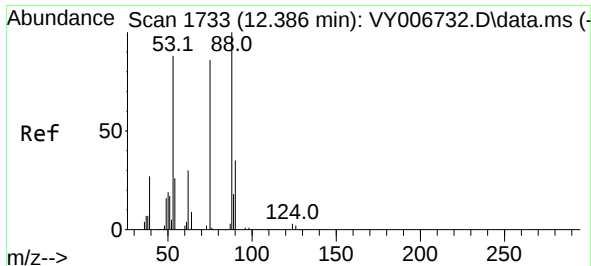
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 49    |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 70 0.0      | 29.4 44.0#  |
| 55 740.8    | 18.1 27.1#  |
| 61 0.0      | 17.6 26.4#  |



#76  
1,2,3-Trichloropropane  
Concen: 64.082 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

|             |       |       |      |
|-------------|-------|-------|------|
| Tgt Ion: 75 | Resp: | 38280 |      |
| Ion Ratio   | Lower | Upper |      |
| 75          | 100   |       |      |
| 77          | 1.4   | 0.0   | 0.0# |

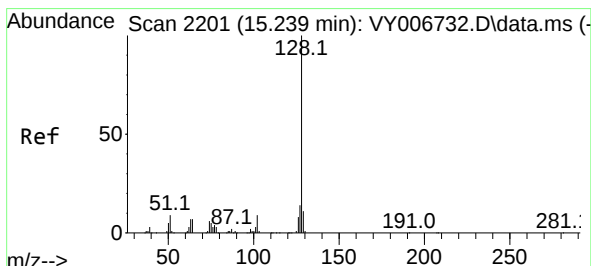
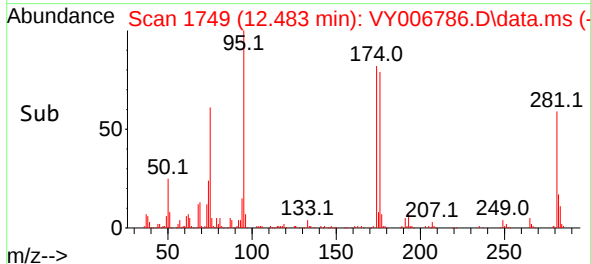
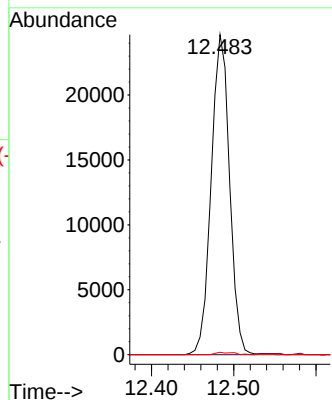
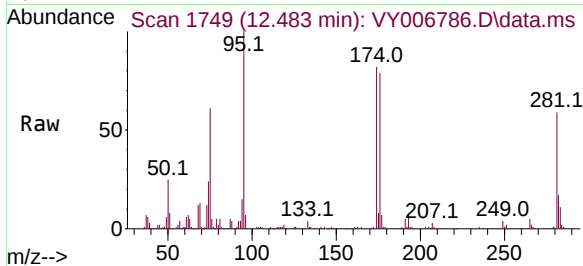




#81  
trans-1,4-Dichloro-2-butene  
Concen: 126.976 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.098 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

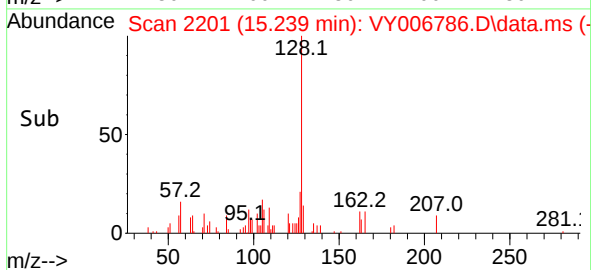
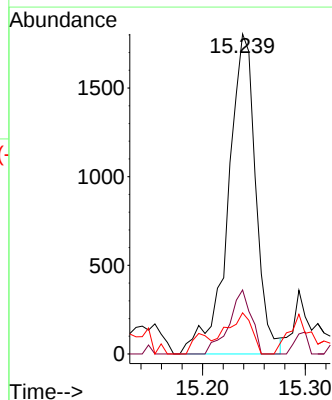
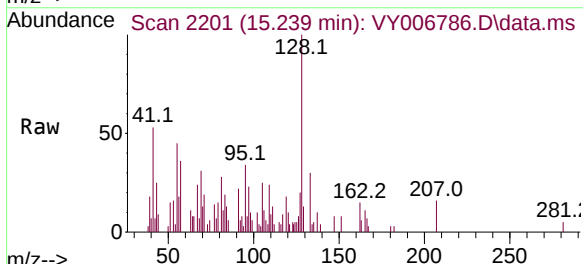
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-72-11933

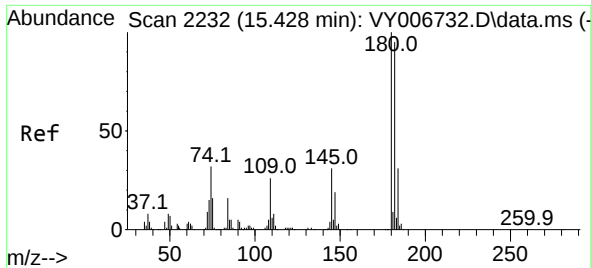
Tgt Ion: 75 Resp: 38280  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.8 128.6#  
89 0.7 39.3 58.9#



#95  
Naphthalene  
Concen: 1.707 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: VY006786.D  
Acq: 17 Nov 2021 14:20

Tgt Ion: 128 Resp: 3378  
Ion Ratio Lower Upper  
128 100  
127 16.0 11.0 16.4  
129 11.6 8.9 13.3





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.016 ug/l  
 RT: 15.440 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: VY006786.D  
 Acq: 17 Nov 2021 14:20

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RO-72-11933

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 906    |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 46.2  | 47.8  | 143.4# |
| 145      | 93.4  | 15.3  | 45.8#  |

