

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111521\  
 Data File : VY006746.D  
 Acq On : 15 Nov 2021 21:20  
 Operator : SY/MD  
 Sample : M4562-02  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 T-1A

Quant Time: Nov 16 04:23:42 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

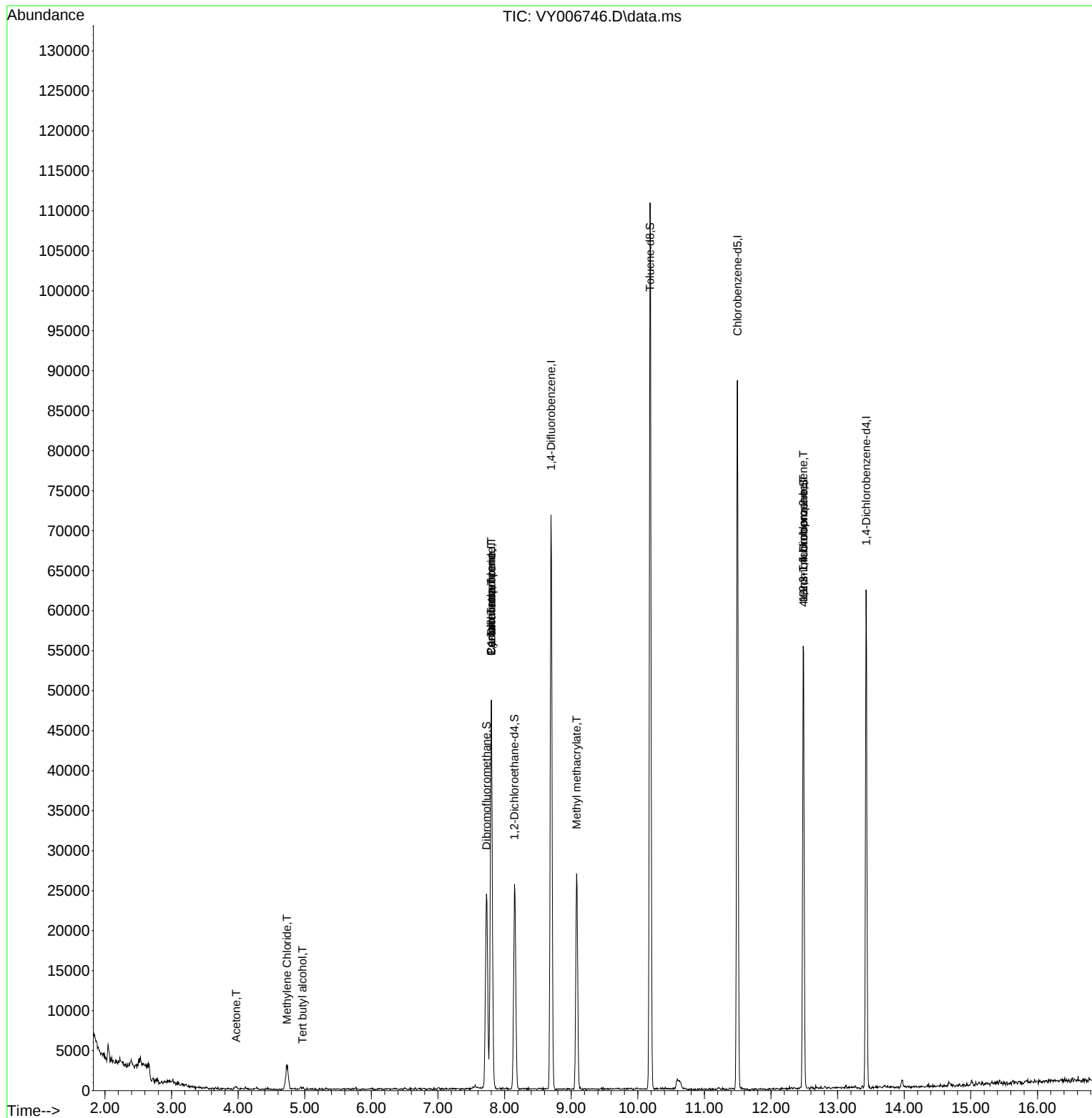
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 34304      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 53957      | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 44945      | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 14673      | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 21059      | 46.840  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 93.680% |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 16266      | 49.079  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 98.160% |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 68402      | 49.875  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 99.740% |        |          |
| 62) 4-Bromofluorobenzene      | 12.489         | 95   | 15756      | 34.078  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 68.160% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.966          | 59   | 255        | 3.771   | ug/l # | 72       |
| 16) Acetone                   | 3.973          | 43   | 377        | 2.760   | ug/l # | 46       |
| 20) Methylene Chloride        | 4.735          | 84   | 1940       | 1.430   | ug/l   | 86       |
| 31) Cyclohexane               | 7.801          | 56   | 1004       | 1.271   | ug/l # | 21       |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 3217       | 5.485   | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 3543       | 5.906   | ug/l # | 15       |
| 48) Methyl methacrylate       | 9.081          | 41   | 7154       | 20.528  | ug/l # | 40       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 9203       | 57.689  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 9203       | 114.309 | ug/l # | 7        |
| -----                         |                |      |            |         |        |          |

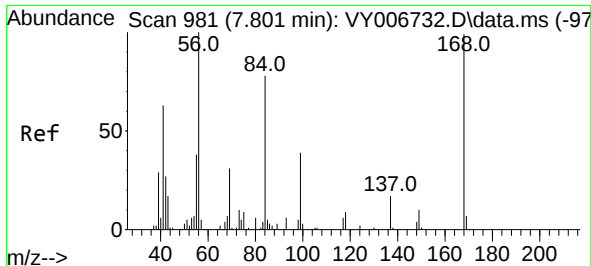
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111521\  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
T-1A

Quant Time: Nov 16 04:23:42 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

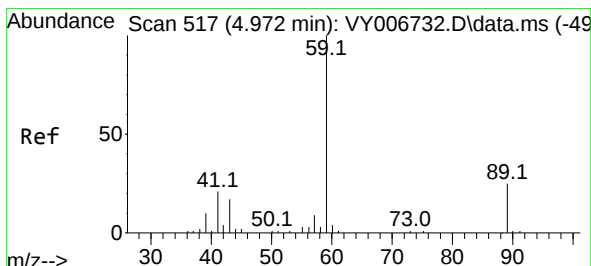
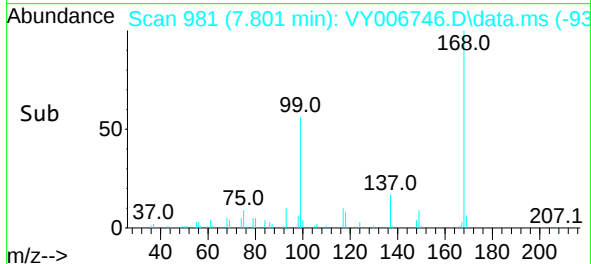
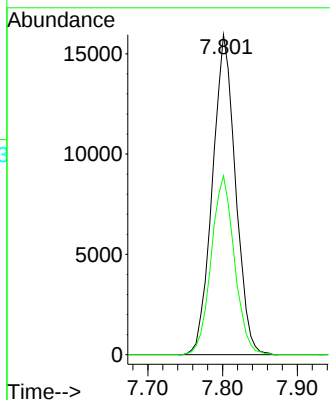
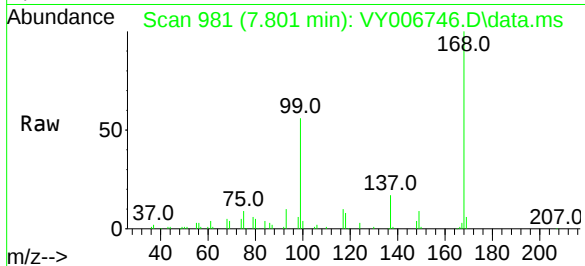




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY006746.D  
Acq: 15 Nov 2021 21:20

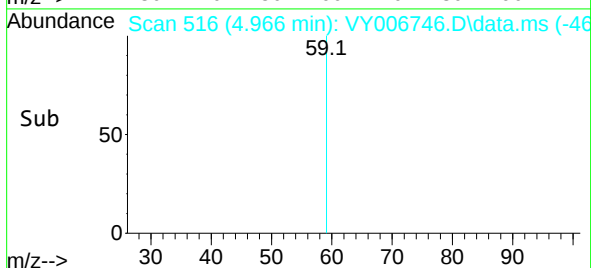
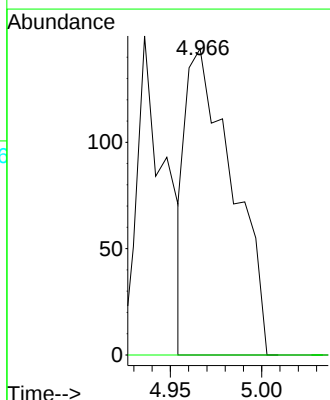
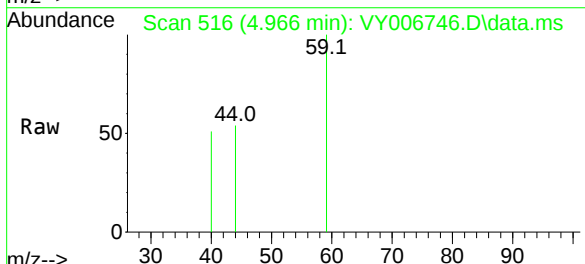
Instrument :  
MSVOA\_Y  
ClientSampleId :  
T-1A

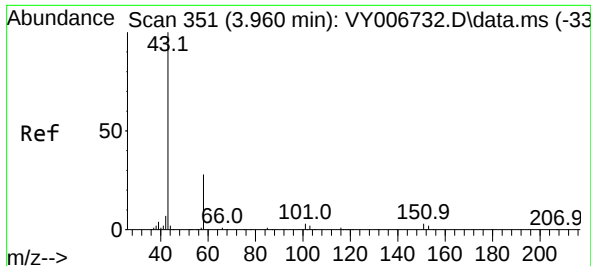
Tgt Ion:168 Resp: 34304  
Ion Ratio Lower Upper  
168 100  
99 55.9 44.8 67.2



#11  
Tert butyl alcohol  
Concen: 3.771 ug/l  
RT: 4.966 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VY006746.D  
Acq: 15 Nov 2021 21:20

Tgt Ion: 59 Resp: 255  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#





#16

Acetone

Concen: 2.760 ug/l

RT: 3.973 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY006746.D

Acq: 15 Nov 2021 21:20

Instrument :

MSVOA\_Y

ClientSampleId :

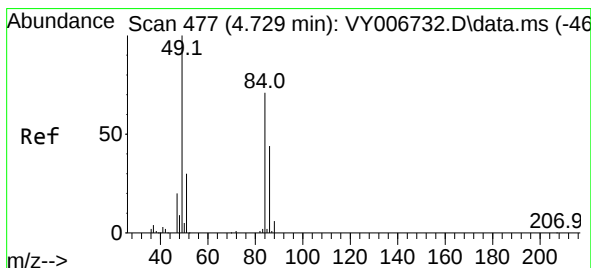
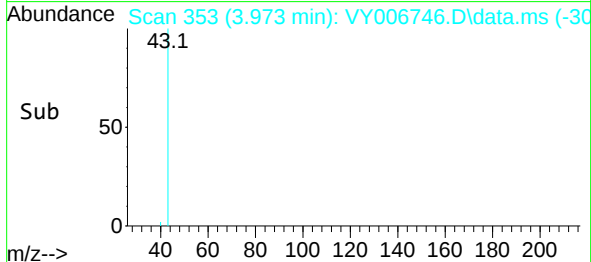
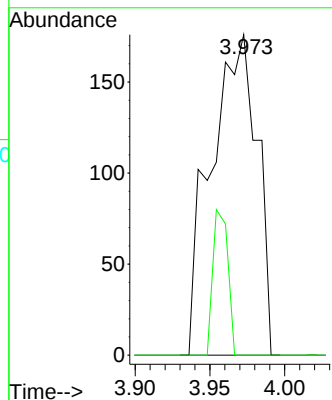
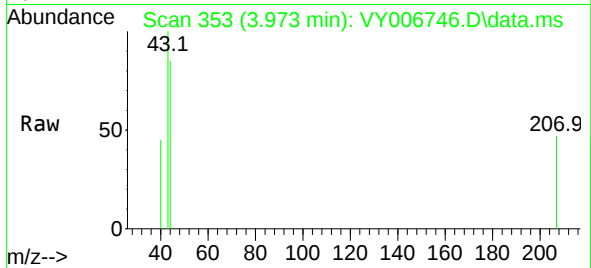
T-1A

Tgt Ion: 43 Resp: 377

Ion Ratio Lower Upper

43 100

58 0.0 22.9 34.3#



#20

Methylene Chloride

Concen: 1.430 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.006 min

Lab File: VY006746.D

Acq: 15 Nov 2021 21:20

Tgt Ion: 84 Resp: 1940

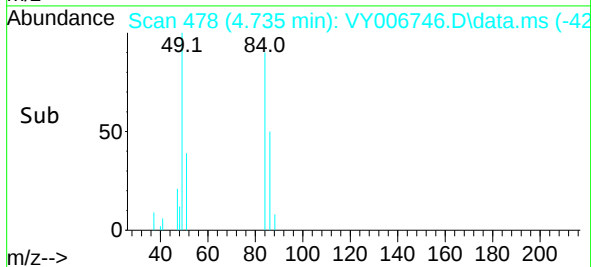
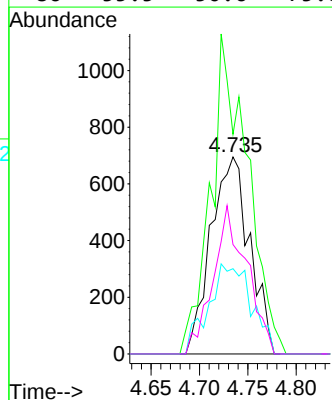
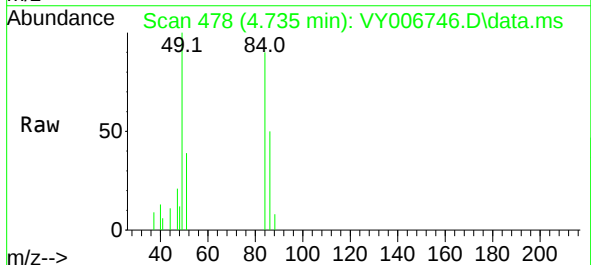
Ion Ratio Lower Upper

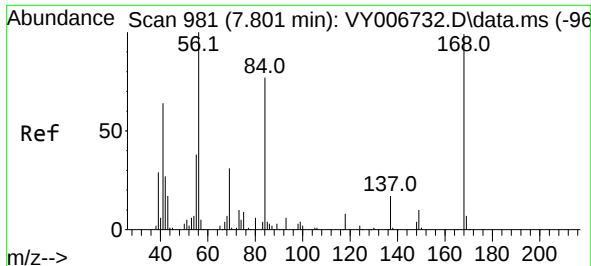
84 100

49 111.5 107.8 161.8

51 43.3 32.8 49.2

86 55.5 50.6 75.8

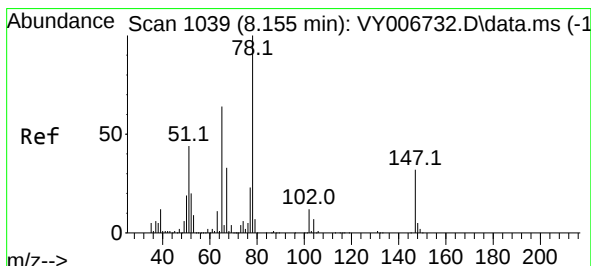
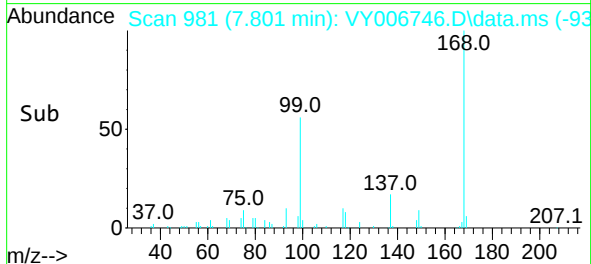
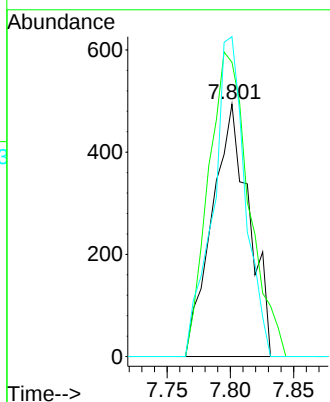
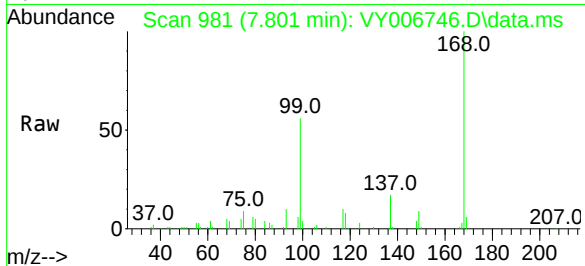




#31  
Cyclohexane  
Concen: 1.271 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY006746.D  
Acq: 15 Nov 2021 21:20

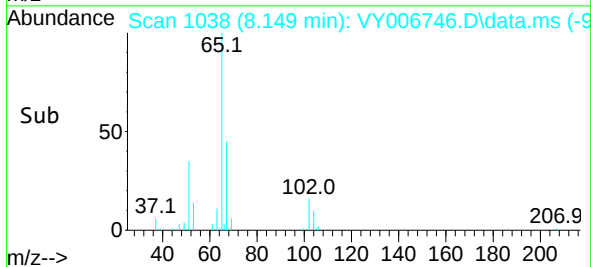
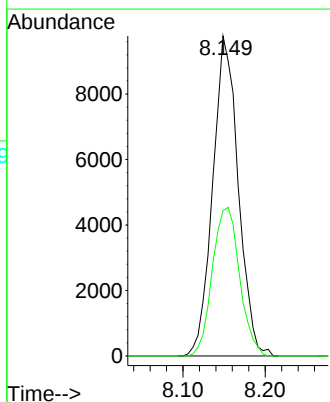
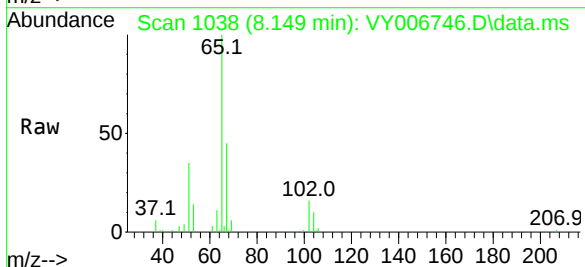
Instrument :  
MSVOA\_Y  
ClientSampleId :  
T-1A

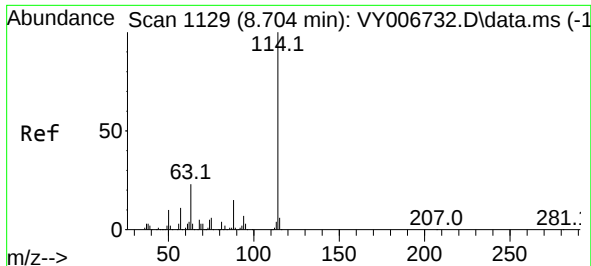
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 1004  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 116.6 | 26.6  | 40.0# |
| 84       | 126.7 | 65.0  | 97.4# |



#33  
1,2-Dichloroethane-d4  
Concen: 46.840 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY006746.D  
Acq: 15 Nov 2021 21:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 21059 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 49.5  | 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: VY006746.D

Acq: 15 Nov 2021 21:20

Instrument :

MSVOA\_Y

ClientSampleId :

T-1A

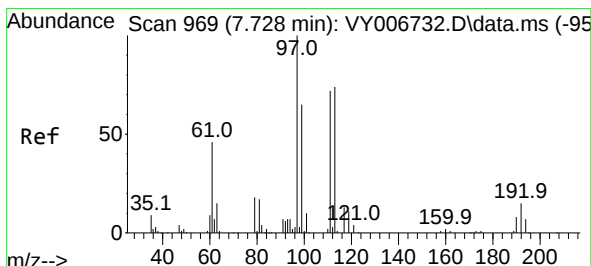
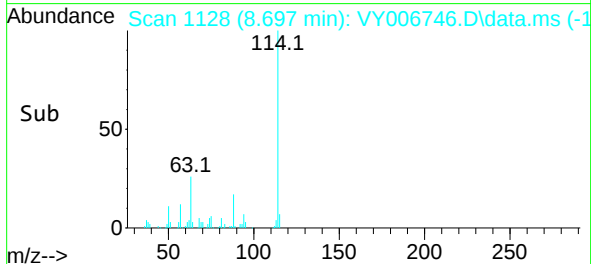
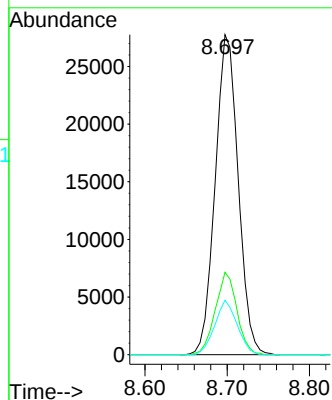
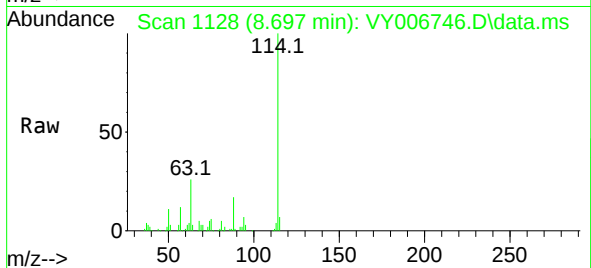
Tgt Ion:114 Resp: 53957

Ion Ratio Lower Upper

114 100

63 25.7 0.0 45.0

88 17.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.079 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY006746.D

Acq: 15 Nov 2021 21:20

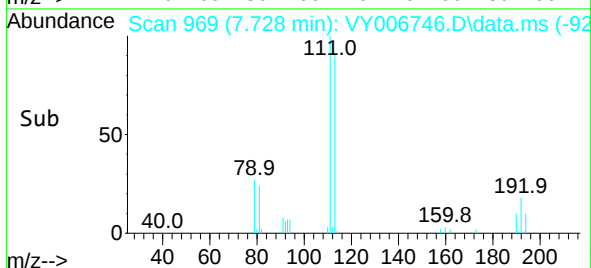
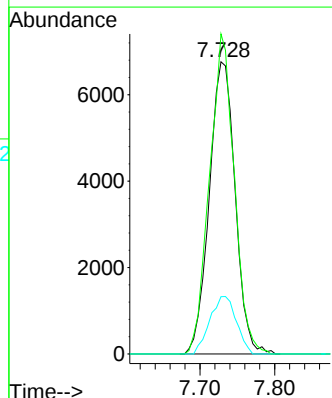
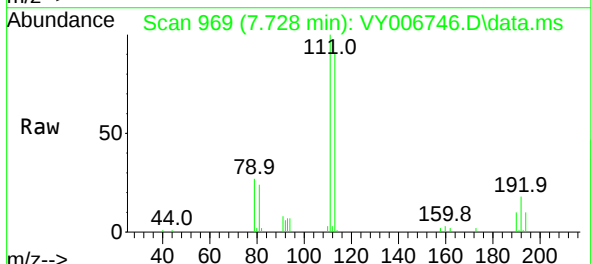
Tgt Ion:113 Resp: 16266

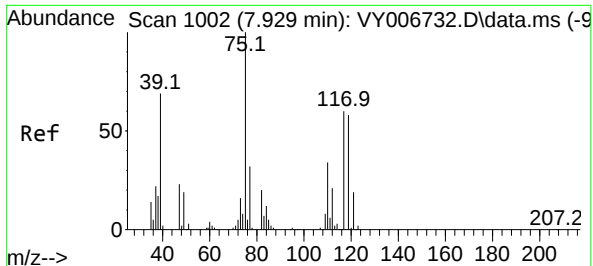
Ion Ratio Lower Upper

113 100

111 104.7 82.3 123.5

192 20.1 17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.485 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY006746.D

Acq: 15 Nov 2021 21:20

Instrument :

MSVOA\_Y

ClientSampleId :

T-1A

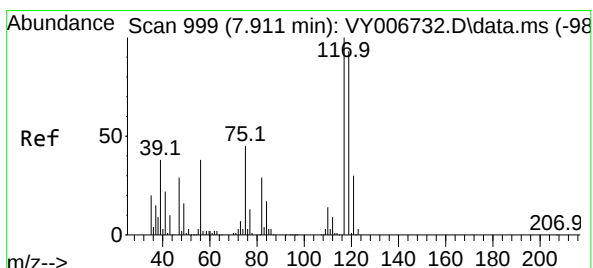
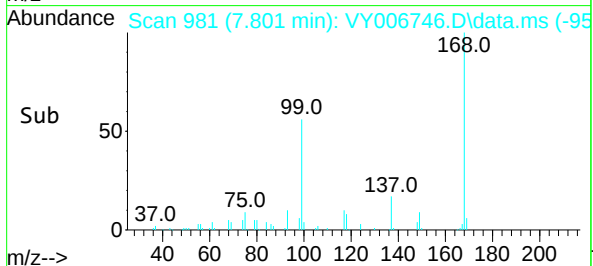
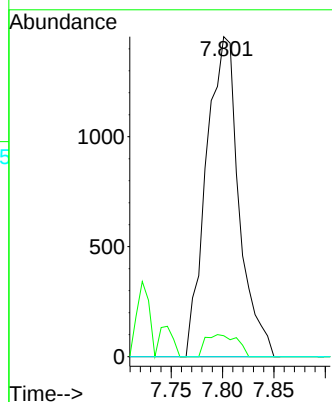
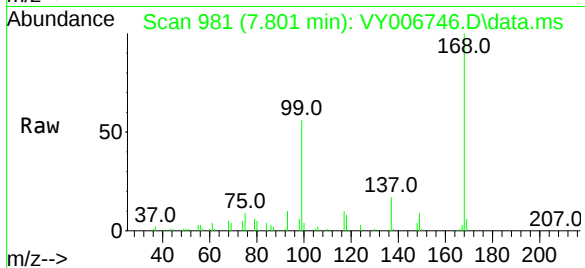
Tgt Ion: 75 Resp: 3217

Ion Ratio Lower Upper

75 100

110 6.7 17.1 51.3#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.906 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.110 min

Lab File: VY006746.D

Acq: 15 Nov 2021 21:20

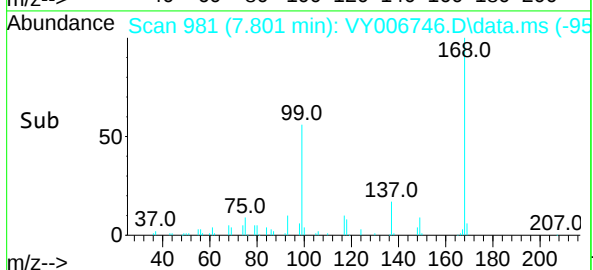
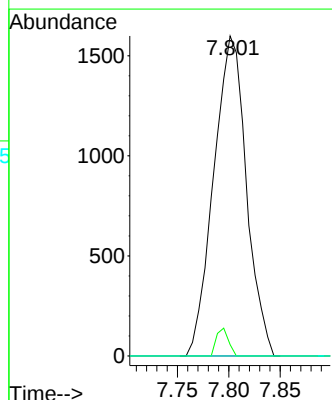
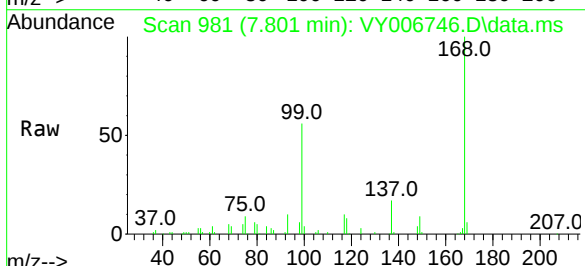
Tgt Ion: 117 Resp: 3543

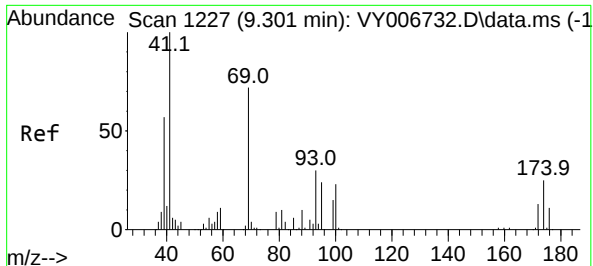
Ion Ratio Lower Upper

117 100

119 3.6 76.6 115.0#

121 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 20.528 ug/l

RT: 9.081 min Scan# 1191

Delta R.T. -0.220 min

Lab File: VY006746.D

Acq: 15 Nov 2021 21:20

Instrument :

MSVOA\_Y

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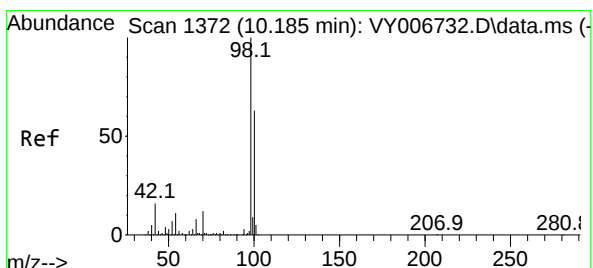
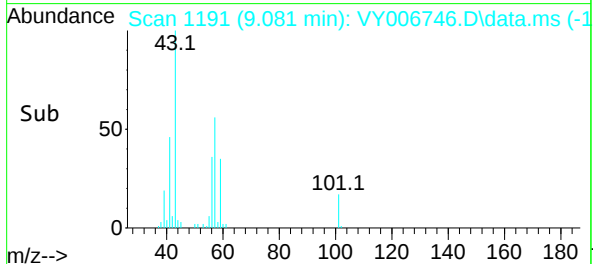
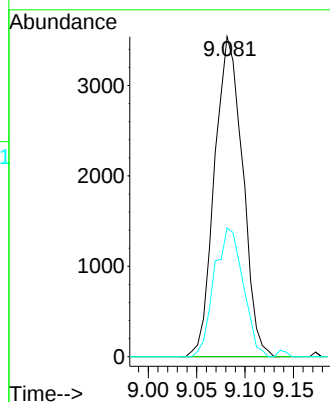
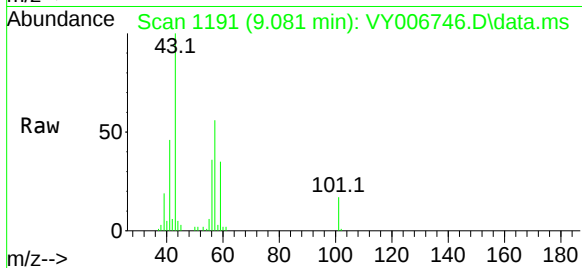
Tgt Ion: 41 Resp: 7154

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

39 41.3 48.2 72.2#



#50

Toluene-d8

Concen: 49.875 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.000 min

Lab File: VY006746.D

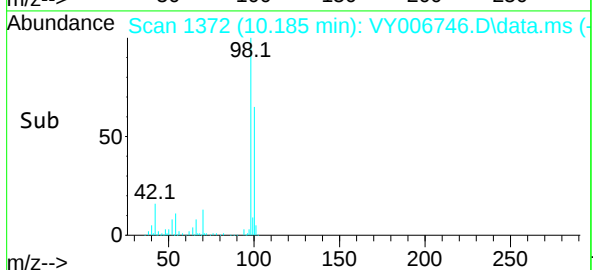
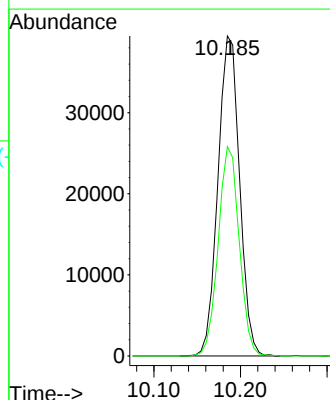
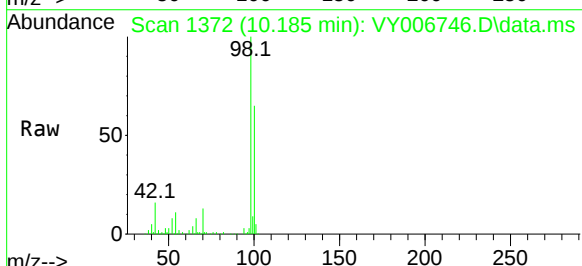
Acq: 15 Nov 2021 21:20

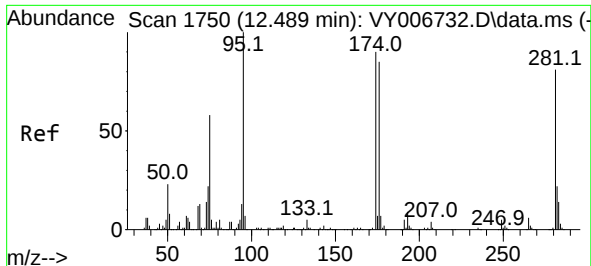
Tgt Ion: 98 Resp: 68402

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3

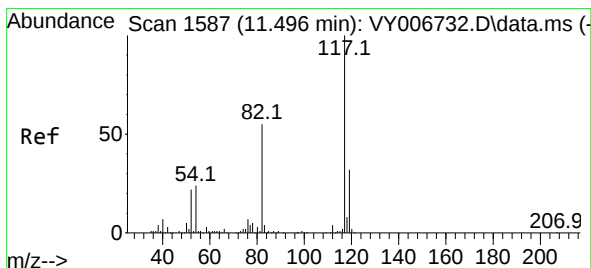
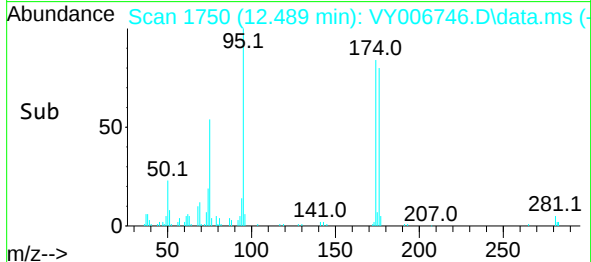
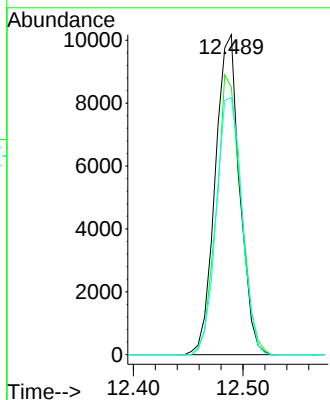
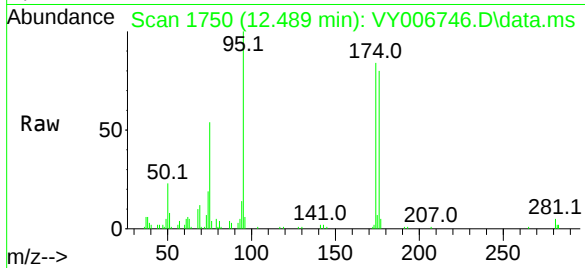




#62  
4-Bromofluorobenzene  
Concen: 34.078 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006746.D  
Acq: 15 Nov 2021 21:20

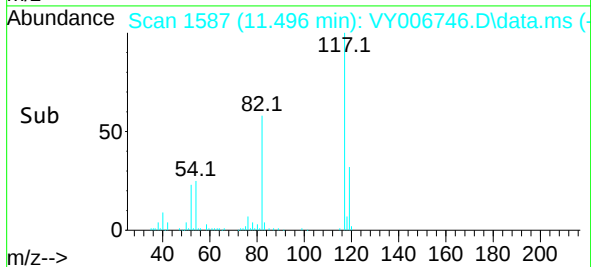
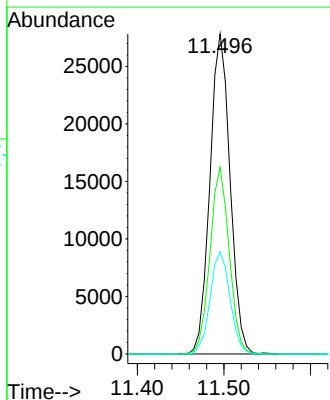
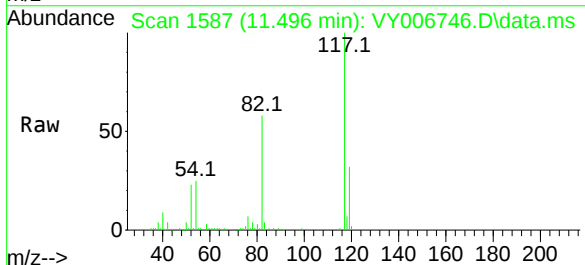
Instrument :  
MSVOA\_Y  
ClientSampleId :  
T-1A

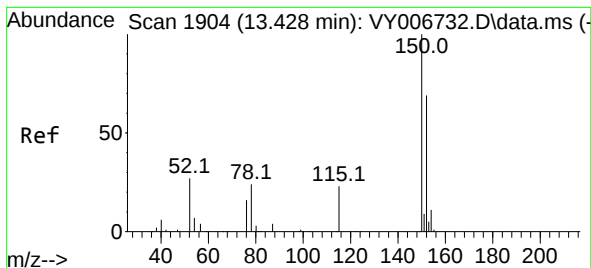
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Ion Ratio Lower Upper  
95 100  
174 88.1 0.0 177.0  
176 84.8 0.0 169.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY006746.D  
Acq: 15 Nov 2021 21:20

Tgt Ion: 117 Resp: 44945  
Ion Ratio Lower Upper  
117 100  
82 58.3 45.7 68.5  
119 31.9 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: VY006746.D

Acq: 15 Nov 2021 21:20

Instrument :

MSVOA\_Y

ClientSampleId :

T-1A

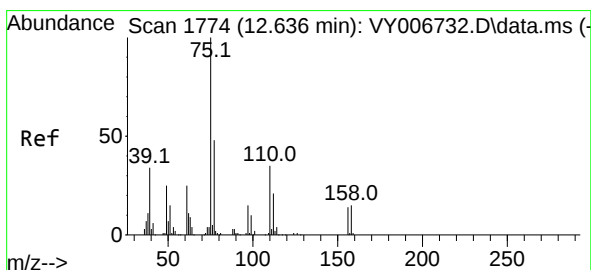
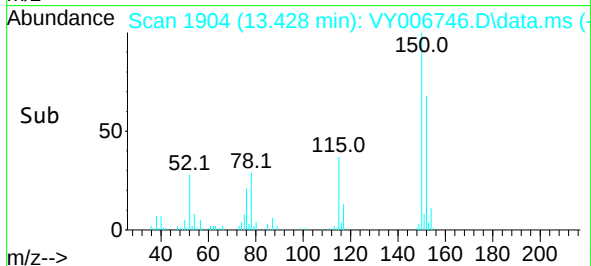
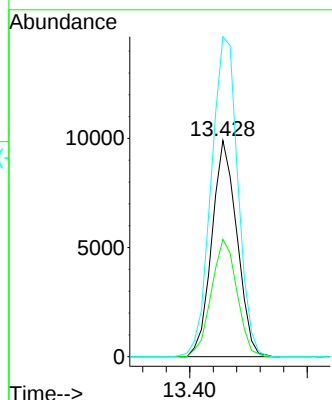
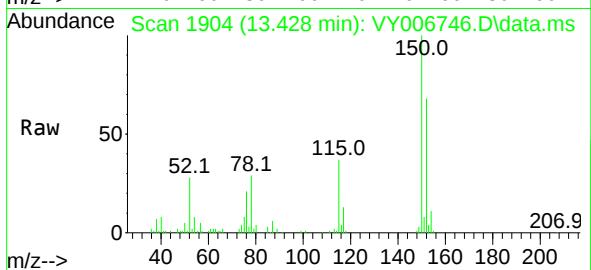
Tgt Ion:152 Resp: 14673

Ion Ratio Lower Upper

152 100

115 55.3 28.5 85.5

150 157.4 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 57.689 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY006746.D

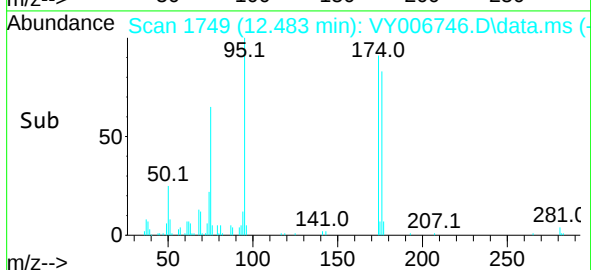
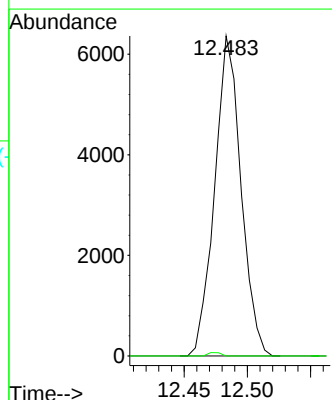
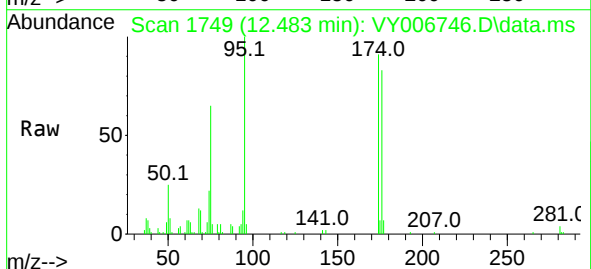
Acq: 15 Nov 2021 21:20

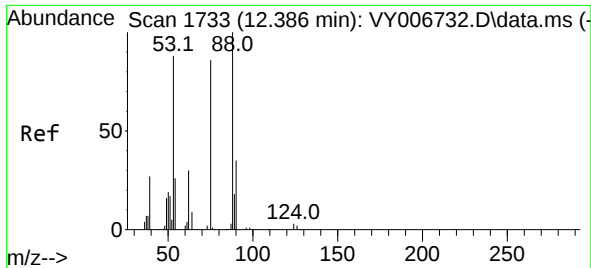
Tgt Ion: 75 Resp: 9203

Ion Ratio Lower Upper

75 100

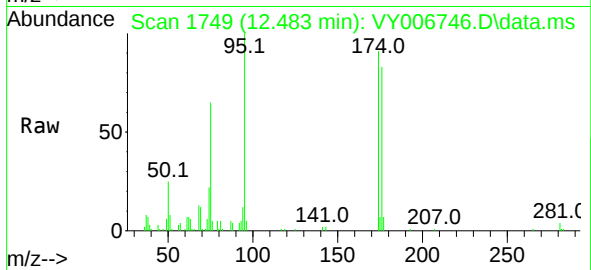
77 0.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 114.309 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.097 min  
 Lab File: VY006746.D  
 Acq: 15 Nov 2021 21:20

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 T-1A



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 85.8  | 128.6# |
| 89      | 0.0   | 39.3  | 58.9#  |

