

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032323\  
 Data File : VX034697.D  
 Acq On : 23 Mar 2023 14:43  
 Operator : JC/MD  
 Sample : 02023-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-13-TEST-PIT-ON-GRAVELLY

Quant Time: Mar 24 05:44:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 Response via : Initial Calibration

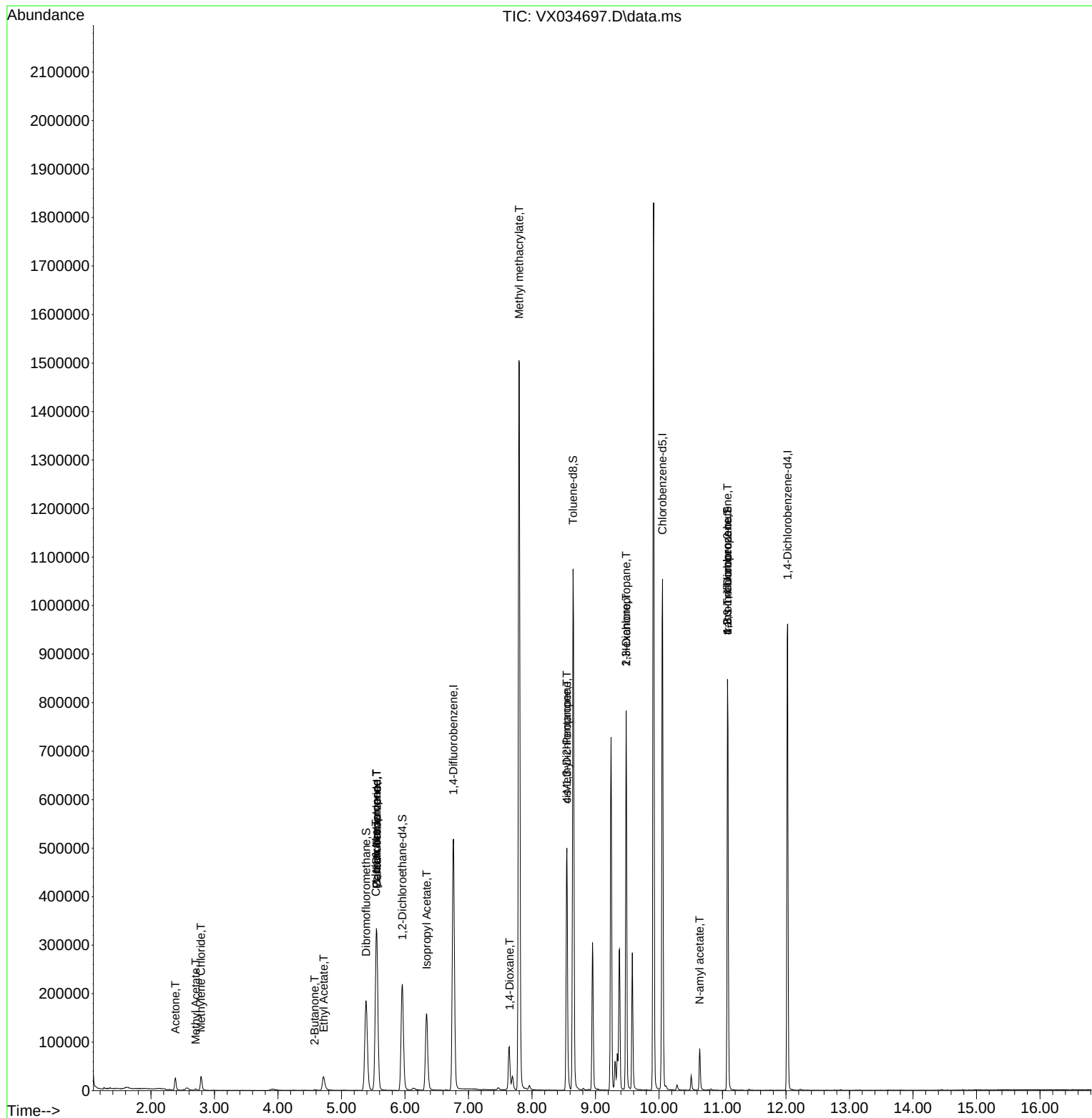
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 305797   | 50.000    | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 518378   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 452467   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 199226   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 220967   | 49.670    | ug/l   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 99.340%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 162775   | 47.559    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 95.120%  |
| 50) Toluene-d8                | 8.647  | 98    | 610464   | 47.779    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 95.560%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 230983   | 44.757    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 89.520%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.288  | 50    | 381      | Below Cal | #      | 85       |
| 16) Acetone                   | 2.386  | 43    | 28554    | 13.626    | ug/l   | 95       |
| 18) Methyl Acetate            | 2.703  | 43    | 3219     | 0.470     | ug/l   | 99       |
| 20) Methylene Chloride        | 2.788  | 84    | 13385    | 3.291     | ug/l   | 95       |
| 25) 2-Butanone                | 4.574  | 43    | 3000     | 1.001     | ug/l   | 97       |
| 31) Cyclohexane               | 5.544  | 56    | 6905     | 1.107     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 25704    | 4.890     | ug/l # | 50       |
| 37) Ethyl Acetate             | 4.721  | 43    | 52875    | 9.207     | ug/l   | 98       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 32760    | 6.264     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 6.342  | 43    | 222126   | 22.831    | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.799  | 41    | 138844   | 29.673    | ug/l # | 45       |
| 49) 1,4-Dioxane               | 7.647  | 88    | 73       | 0.743     | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43    | 181230   | 32.111    | ug/l # | 49       |
| 54) cis-1,3-Dichloropropene   | 8.549  | 75    | 77296    | 12.003    | ug/l # | 59       |
| 57) 1,3-Dichloropropane       | 9.482  | 76    | 6739     | 1.004     | ug/l # | 42       |
| 59) 2-Hexanone                | 9.482  | 43    | 94231    | 21.599    | ug/l # | 52       |
| 74) N-amyl acetate            | 10.640 | 43    | 25866    | 3.507     | ug/l # | 53       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 119570   | 26.139    | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 119570   | 70.713    | ug/l # | 8        |
| -----                         |        |       |          |           |        |          |

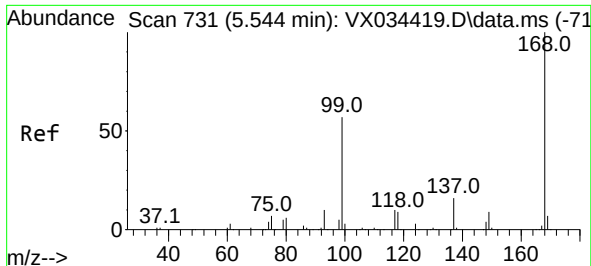
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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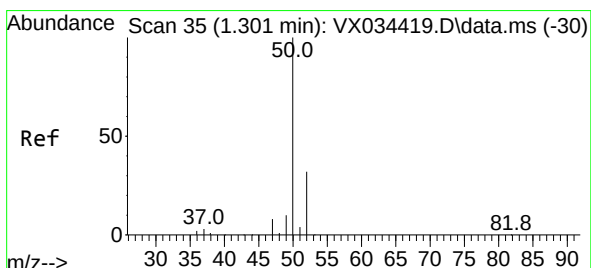
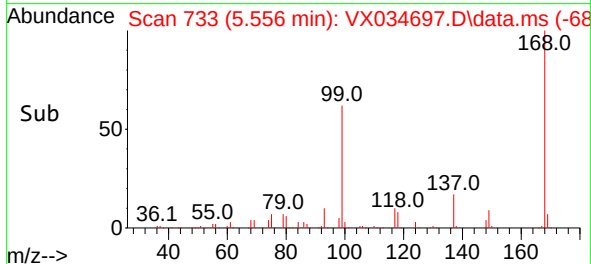
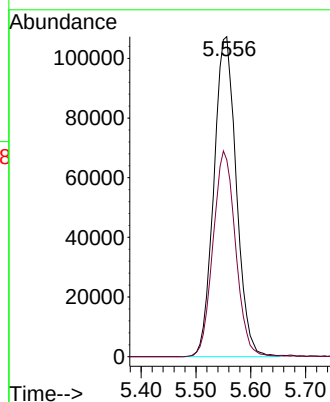
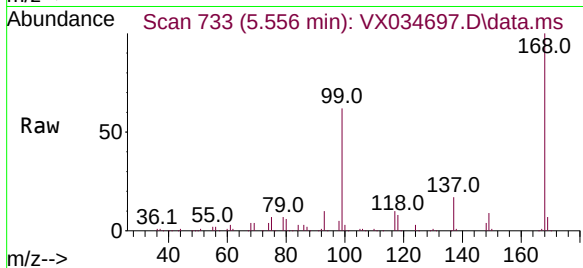




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.012 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

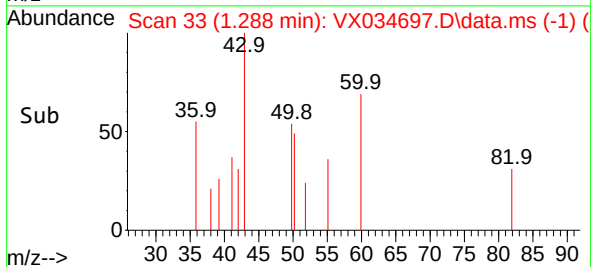
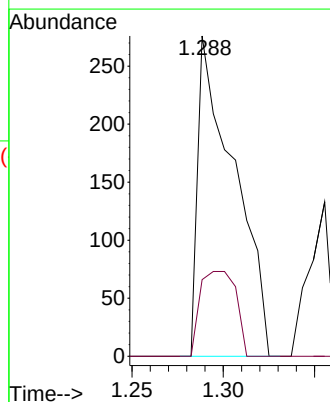
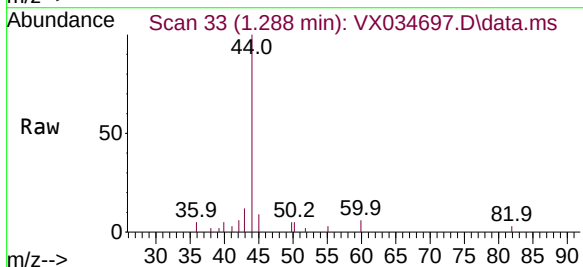
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-13-TEST-PIT-ON-GRAVELLY

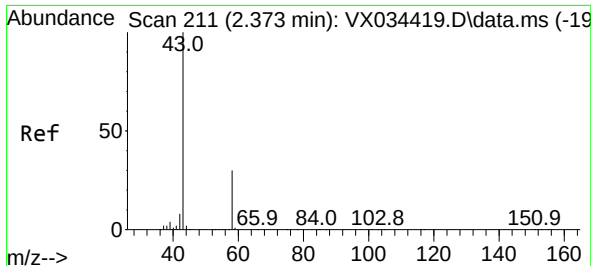
Tgt Ion:168 Resp: 305797  
Ion Ratio Lower Upper  
168 100  
99 61.5 45.7 68.5



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.288 min Scan# 33  
Delta R.T. -0.013 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

Tgt Ion: 50 Resp: 381  
Ion Ratio Lower Upper  
50 100  
52 23.9 25.9 38.9#

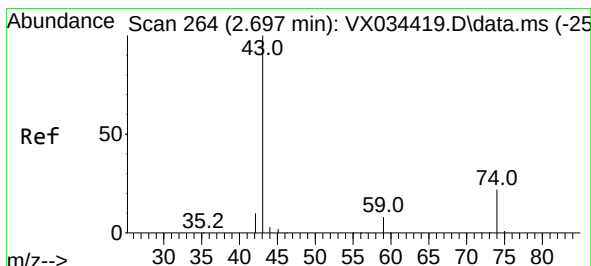
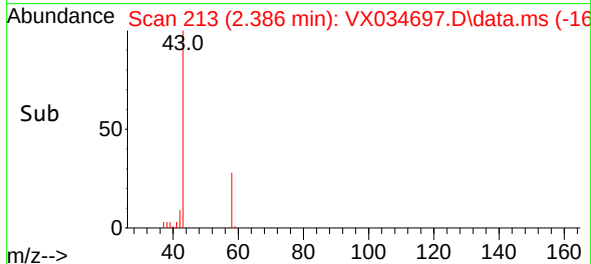
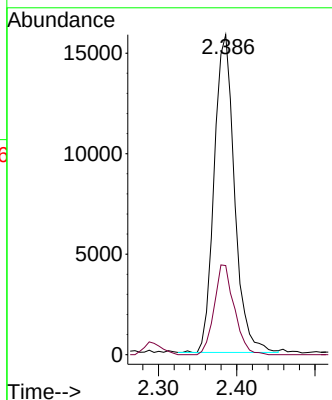
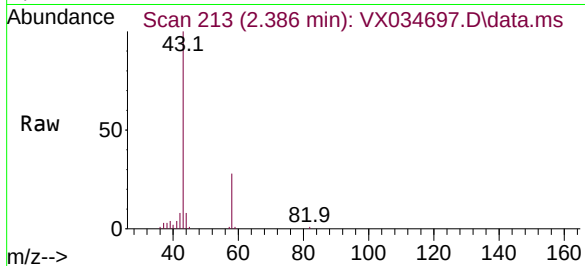




#16  
Acetone  
Concen: 13.626 ug/l  
RT: 2.386 min Scan# 211  
Delta R.T. 0.012 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

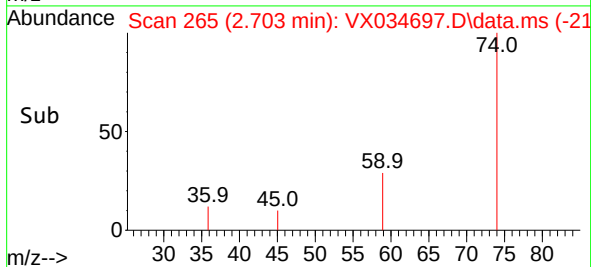
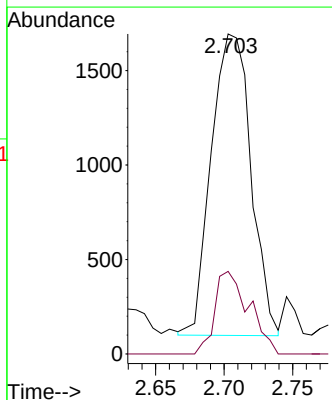
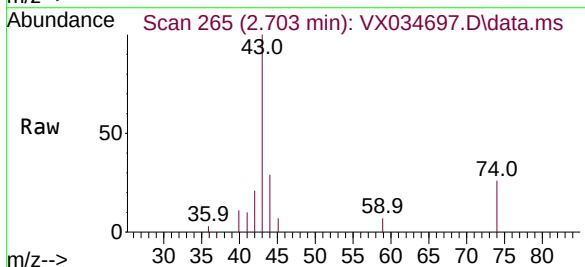
Instrument :  
MSVOA\_X  
ClientSampleId :  
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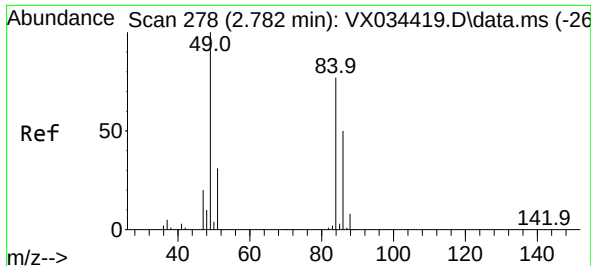
Tgt Ion: 43 Resp: 28554  
Ion Ratio Lower Upper  
43 100  
58 28.0 24.7 37.1



#18  
Methyl Acetate  
Concen: 0.470 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. 0.006 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

Tgt Ion: 43 Resp: 3219  
Ion Ratio Lower Upper  
43 100  
74 23.6 18.3 27.5

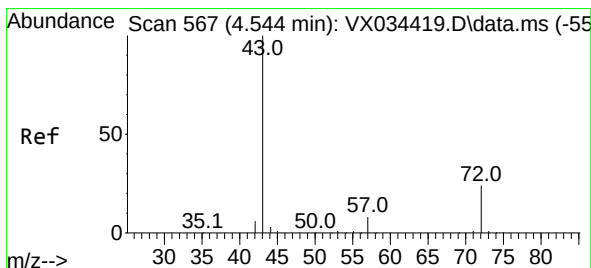
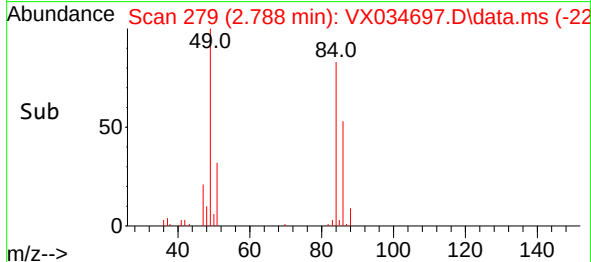
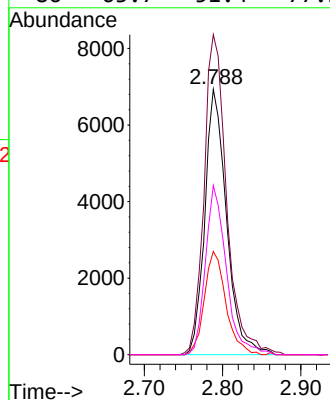
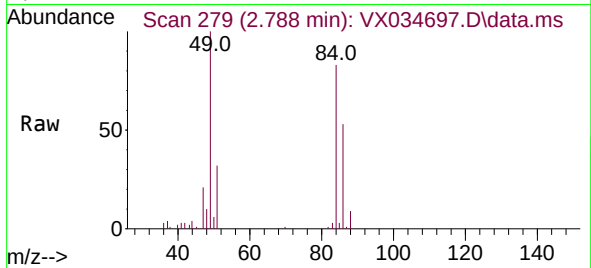




#20  
Methylene Chloride  
Concen: 3.291 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

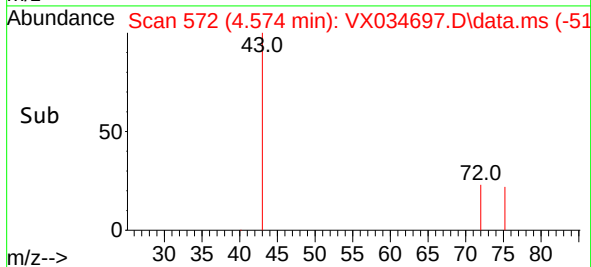
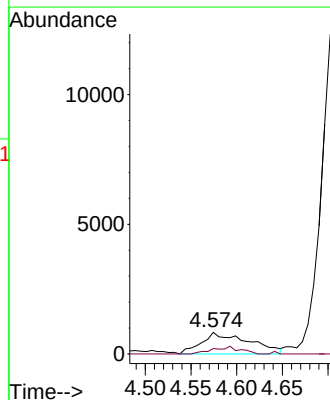
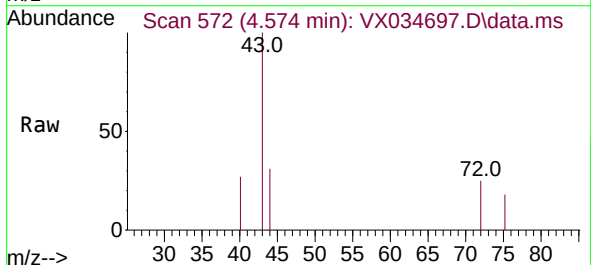
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ClientSampleId :  
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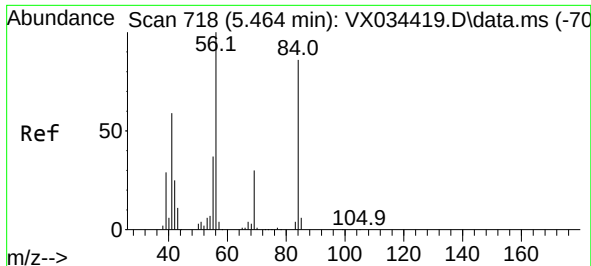
|             |             |       |       |
|-------------|-------------|-------|-------|
| Tgt Ion: 84 | Resp: 13385 |       |       |
| Ion         | Ratio       | Lower | Upper |
| 84          | 100         |       |       |
| 49          | 120.6       | 103.8 | 155.8 |
| 51          | 38.9        | 31.8  | 47.8  |
| 86          | 63.7        | 51.4  | 77.2  |



#25  
2-Butanone  
Concen: 1.001 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.031 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 3000  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 72 25.4     | 19.3 28.9   |

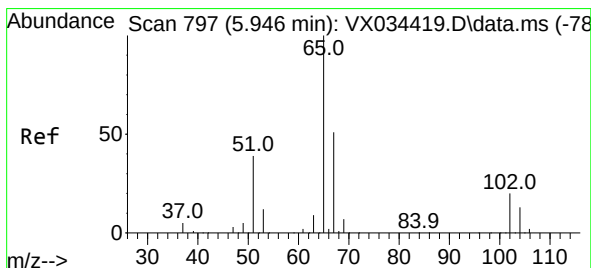
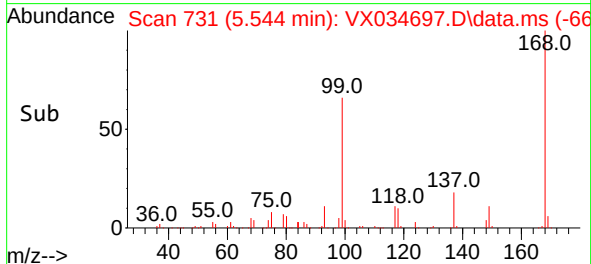
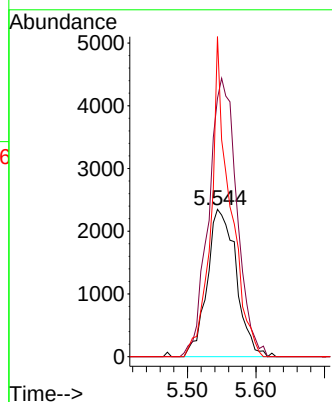
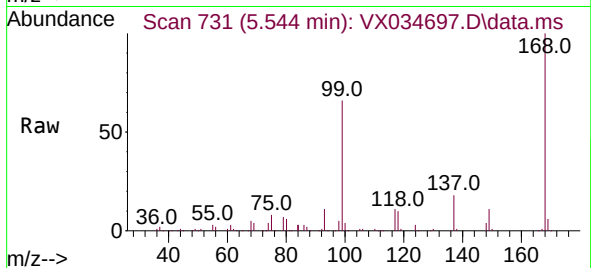




#31  
Cyclohexane  
Concen: 1.107 ug/l  
RT: 5.544 min Scan# 718  
Delta R.T. 0.079 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

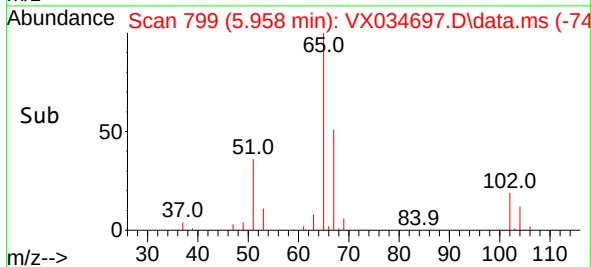
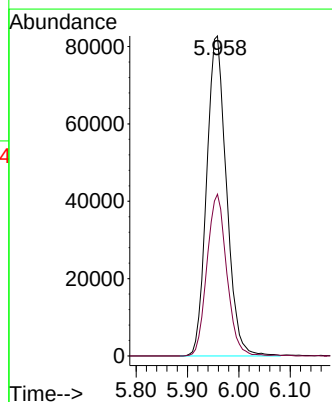
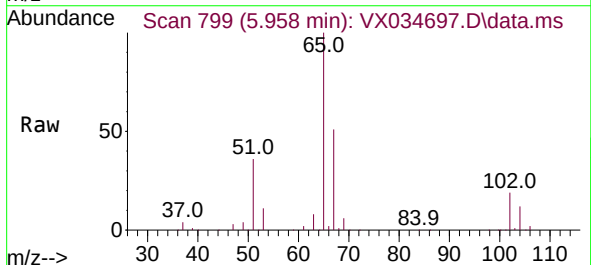
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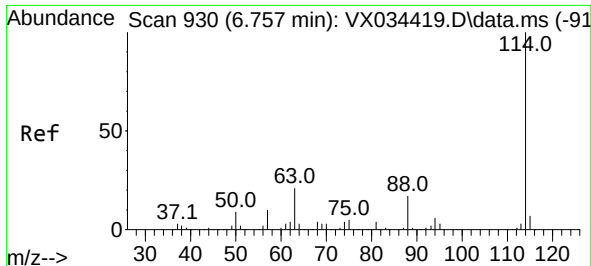
Tgt Ion: 56 Resp: 6905  
Ion Ratio Lower Upper  
56 100  
69 175.4 23.7 35.5#  
84 217.2 68.5 102.7#



#33  
1,2-Dichloroethane-d4  
Concen: 49.670 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.012 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

Tgt Ion: 65 Resp: 220967  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 104.0

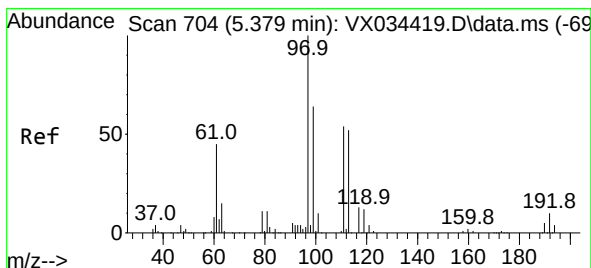
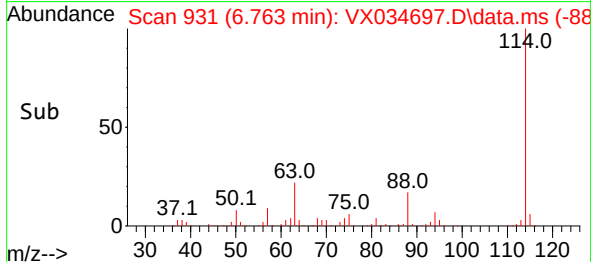
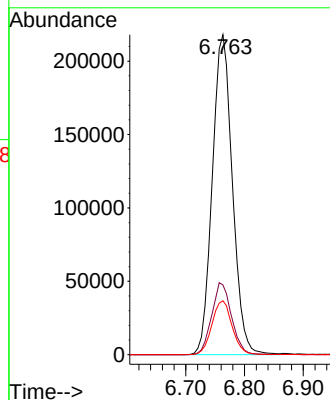
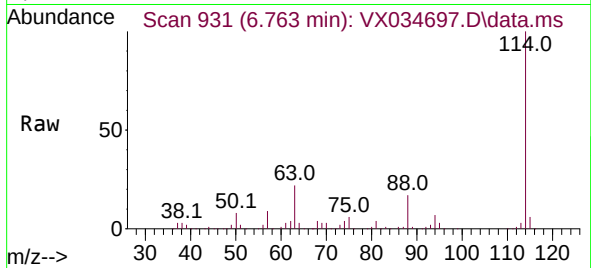




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

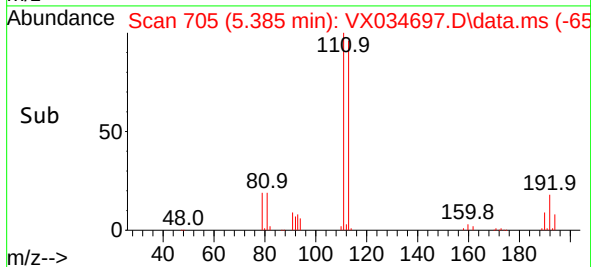
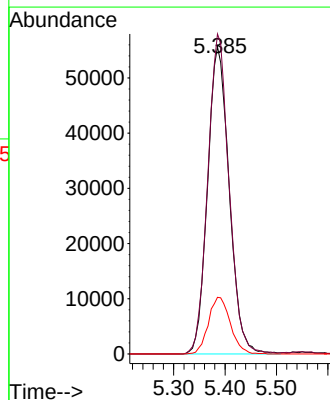
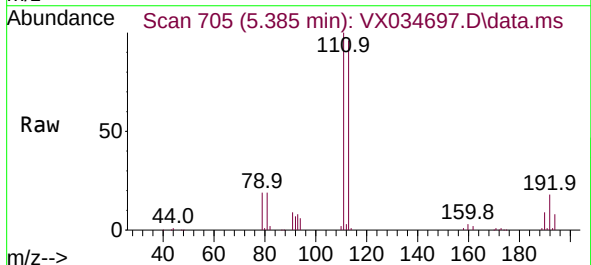
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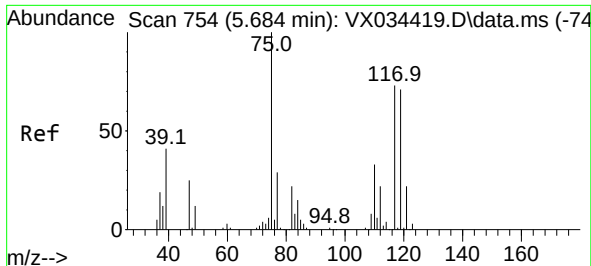
Tgt Ion:114 Resp: 518378  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 42.2  
88 16.8 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 47.559 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

Tgt Ion:113 Resp: 162775  
Ion Ratio Lower Upper  
113 100  
111 102.5 83.7 125.5  
192 18.7 15.4 23.2

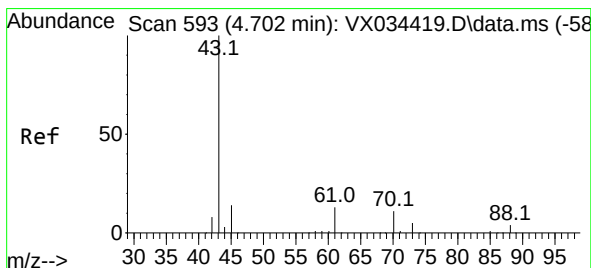
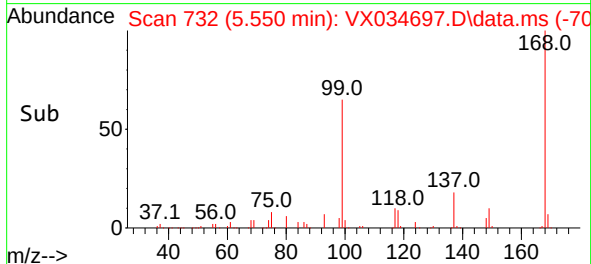
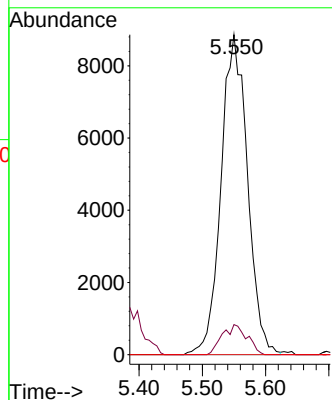
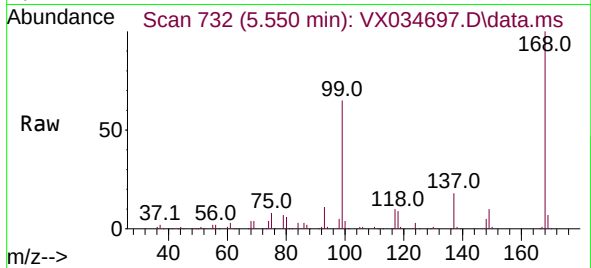




#36  
1,1-Dichloropropene  
Concen: 4.890 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

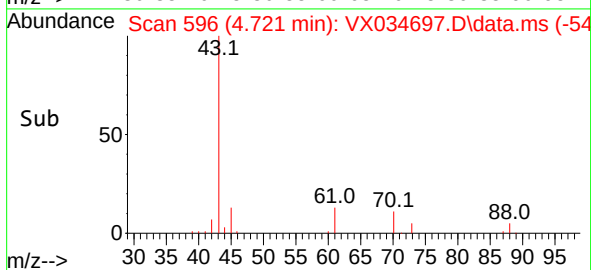
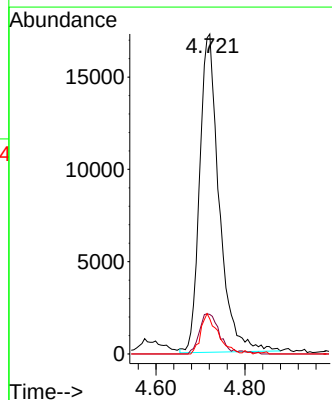
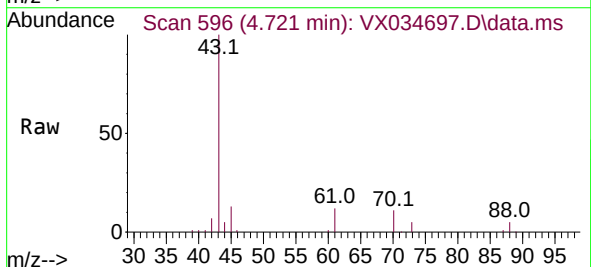
Instrument :  
MSVOA\_X  
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TP-13-TEST-PIT-ON-GRAVELLY

Tgt Ion: 75 Resp: 25704  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.5 52.5#  
77 0.0 24.3 36.5#

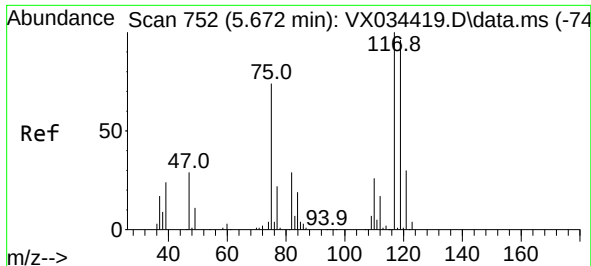


#37  
Ethyl Acetate  
Concen: 9.207 ug/l  
RT: 4.721 min Scan# 596  
Delta R.T. 0.018 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

Tgt Ion: 43 Resp: 52875  
Ion Ratio Lower Upper  
43 100  
61 13.4 10.2 15.4  
70 11.1 8.2 12.4



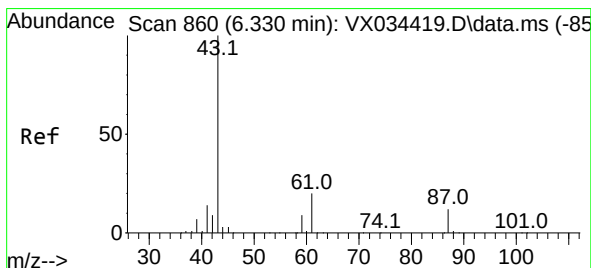
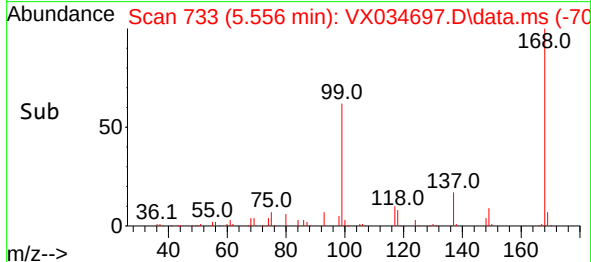
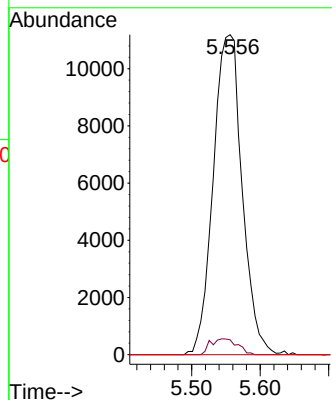
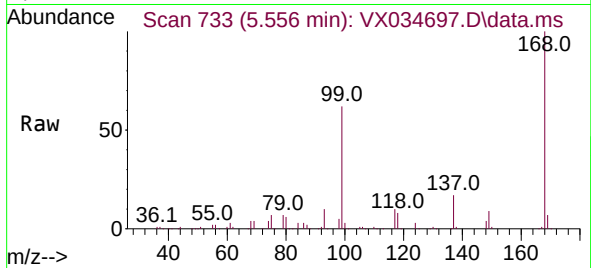




#38  
Carbon Tetrachloride  
Concen: 6.264 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.116 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

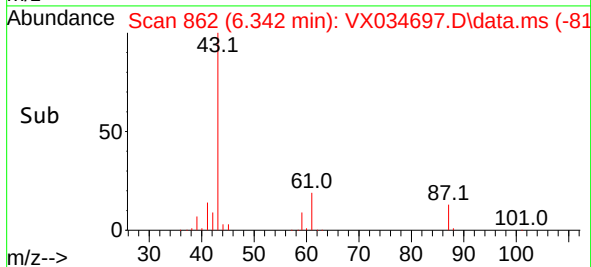
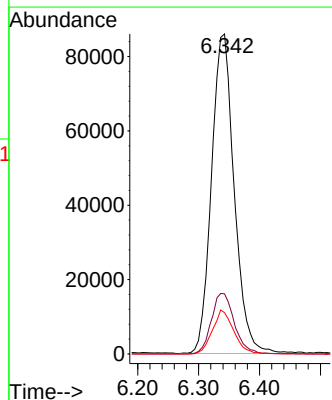
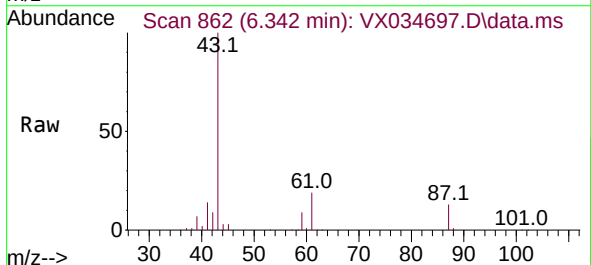
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-13-TEST-PIT-ON-GRAVELLY

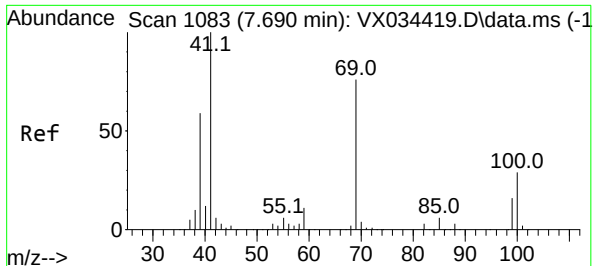
Tgt Ion:117 Resp: 32760  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.6 114.8#  
121 0.0 23.8 35.6#



#43  
Isopropyl Acetate  
Concen: 22.831 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. 0.012 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

Tgt Ion: 43 Resp: 222126  
Ion Ratio Lower Upper  
43 100  
61 19.3 15.2 22.8  
87 12.9 9.8 14.8

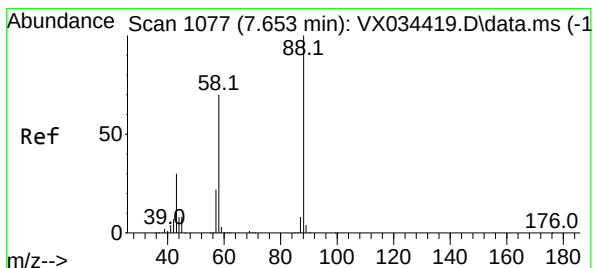
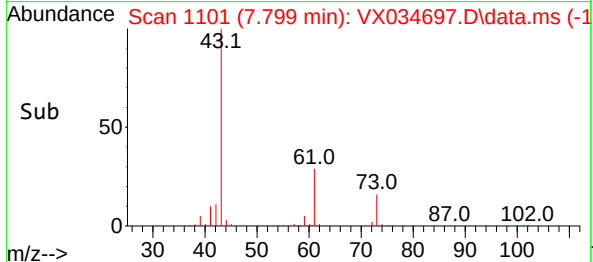
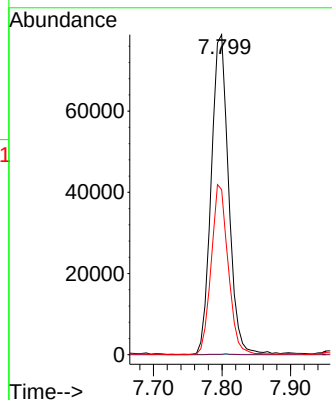
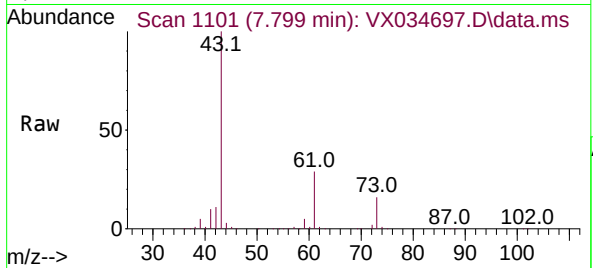




#48  
Methyl methacrylate  
Concen: 29.673 ug/l  
RT: 7.799 min Scan# 1101  
Delta R.T. 0.110 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

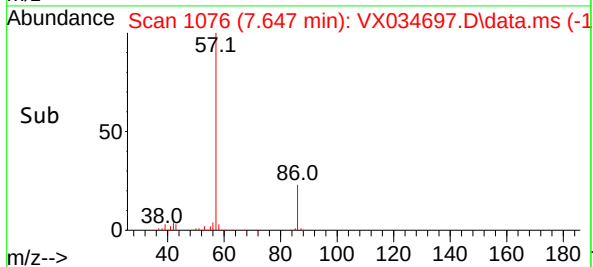
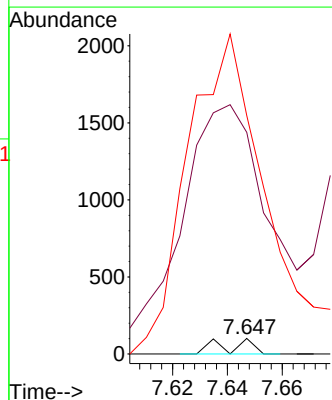
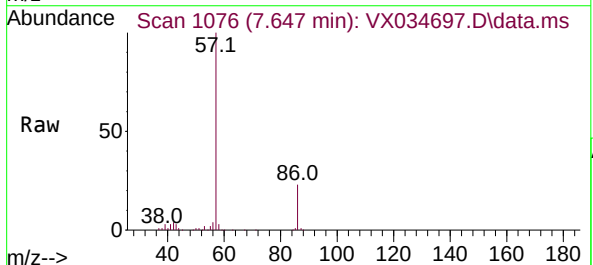
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-13-TEST-PIT-ON-GRAVELLY

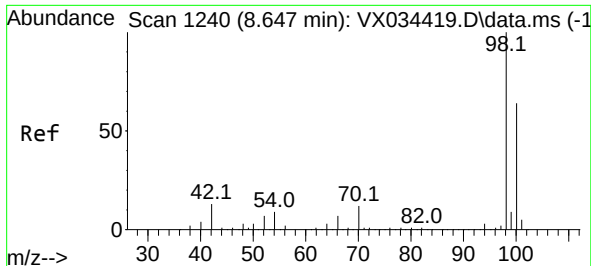
Tgt Ion: 41 Resp: 138844  
Ion Ratio Lower Upper  
41 100  
69 0.2 62.2 93.4#  
39 52.1 47.7 71.5



#49  
1,4-Dioxane  
Concen: 0.743 ug/l  
RT: 7.647 min Scan# 1076  
Delta R.T. -0.006 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

Tgt Ion: 88 Resp: 73  
Ion Ratio Lower Upper  
88 100  
43 0.0 27.7 41.5#  
58 5621.9 56.8 85.2#

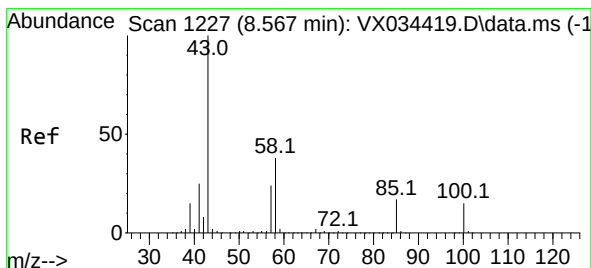
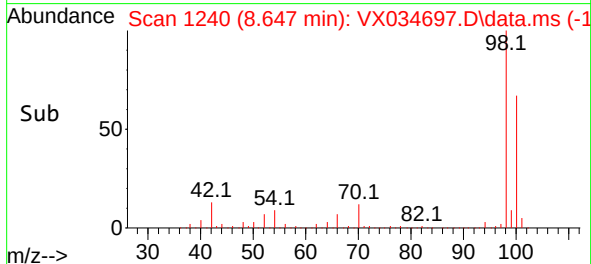
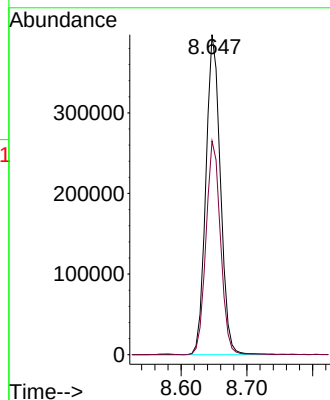
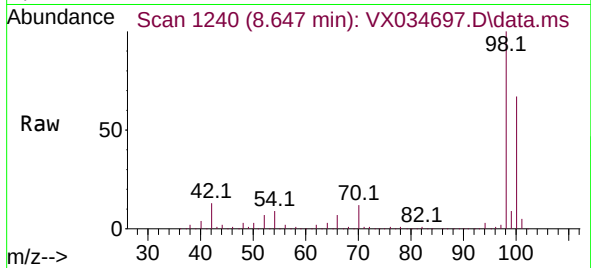




#50  
Toluene-d8  
Concen: 47.779 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

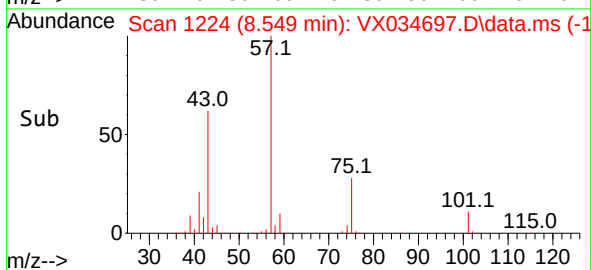
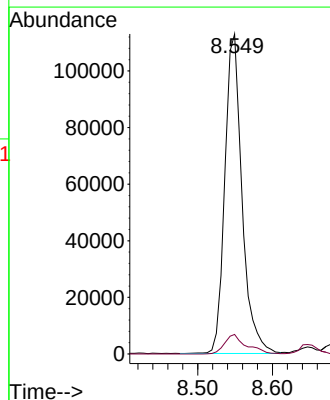
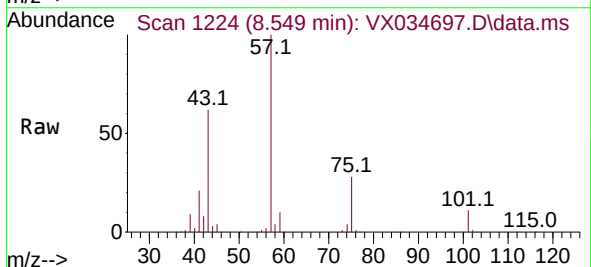
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-13-TEST-PIT-ON-GRAVELLY

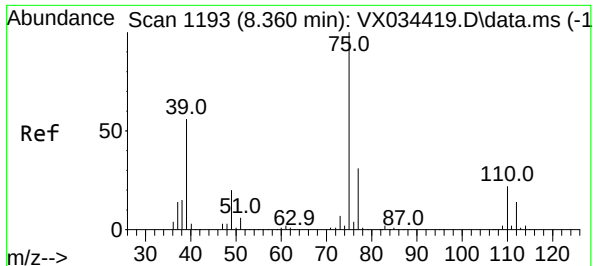
Tgt Ion: 98 Resp: 610464  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.5 78.7



#51  
4-Methyl-2-Pentanone  
Concen: 32.111 ug/l  
RT: 8.549 min Scan# 1224  
Delta R.T. -0.018 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

Tgt Ion: 43 Resp: 181230  
Ion Ratio Lower Upper  
43 100  
58 7.7 30.6 46.0#





#54

cis-1,3-Dichloropropene

Concen: 12.003 ug/l

RT: 8.549 min Scan# 1193

Delta R.T. 0.189 min

Lab File: VX034697.D

Acq: 23 Mar 2023 14:43

Instrument :

MSVOA\_X

ClientSampleId :

TP-13-TEST-PIT-ON-GRAVELLY

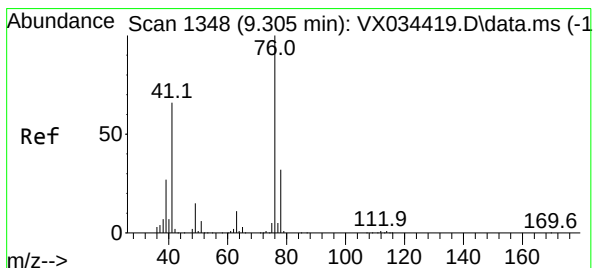
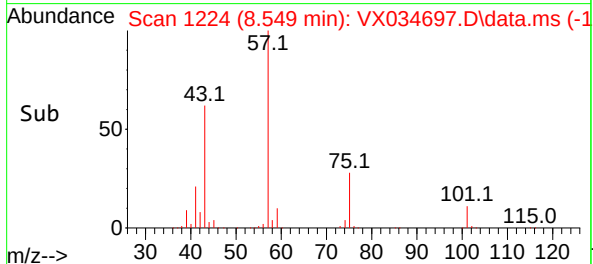
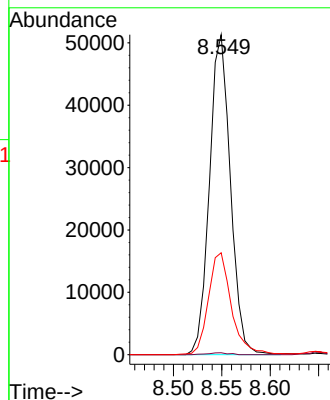
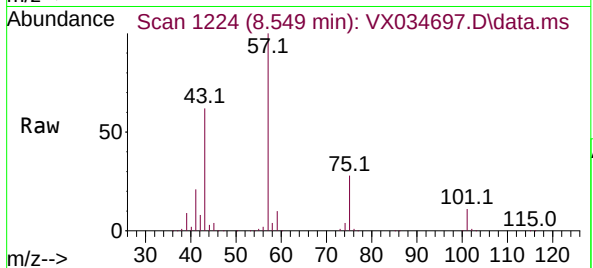
Tgt Ion: 75 Resp: 77296

Ion Ratio Lower Upper

75 100

77 0.6 25.0 37.4#

39 31.7 44.6 66.8#



#57

1,3-Dichloropropane

Concen: 1.004 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034697.D

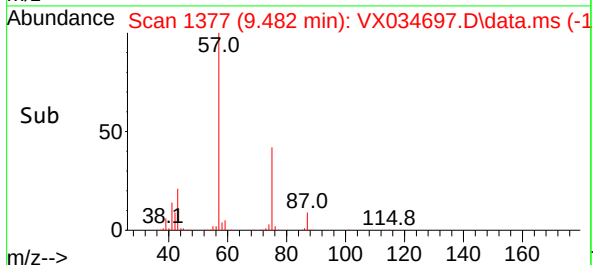
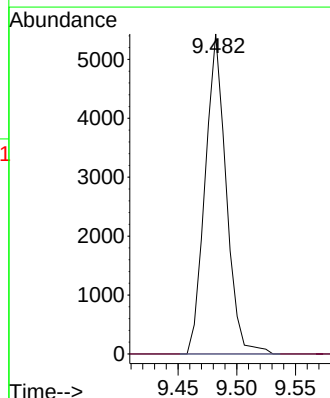
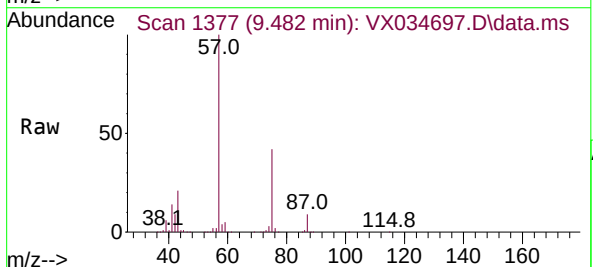
Acq: 23 Mar 2023 14:43

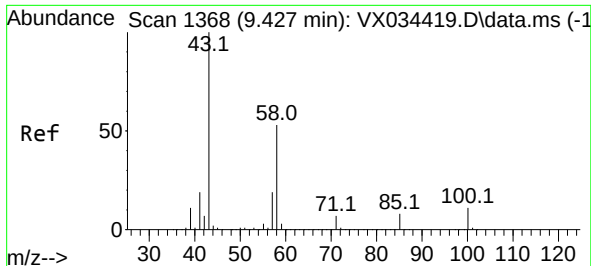
Tgt Ion: 76 Resp: 6739

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 21.599 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX034697.D

Acq: 23 Mar 2023 14:43

Instrument :

MSVOA\_X

ClientSampleId :

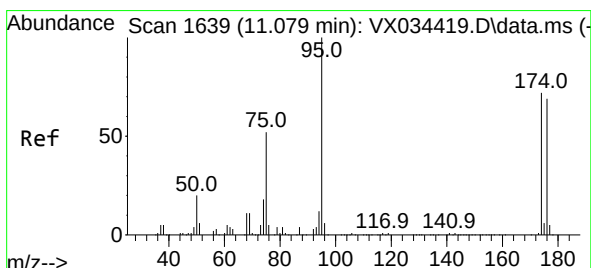
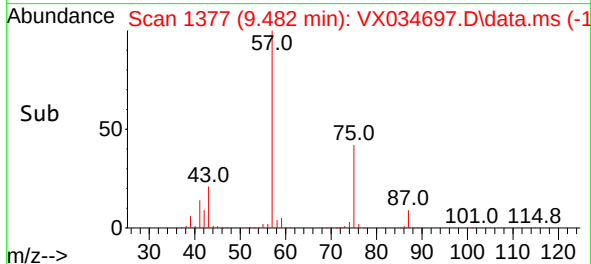
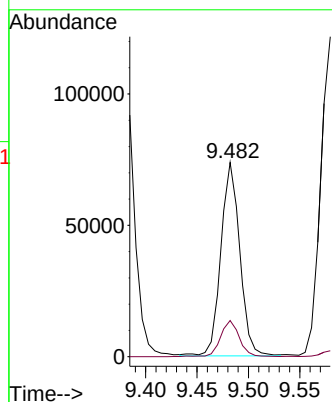
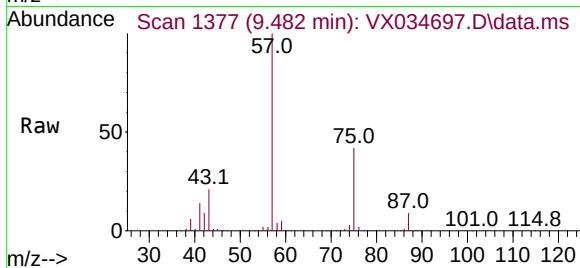
TP-13-TEST-PIT-ON-GRAVELLY

Tgt Ion: 43 Resp: 94231

Ion Ratio Lower Upper

43 100

58 18.8 26.3 78.9#



#62

4-Bromofluorobenzene

Concen: 44.757 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX034697.D

Acq: 23 Mar 2023 14:43

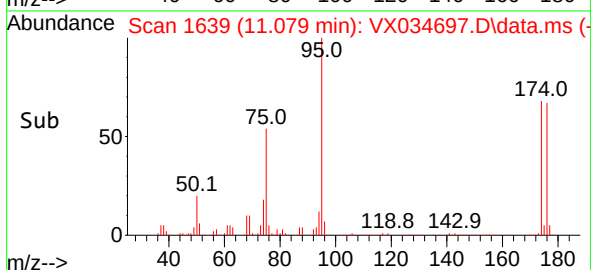
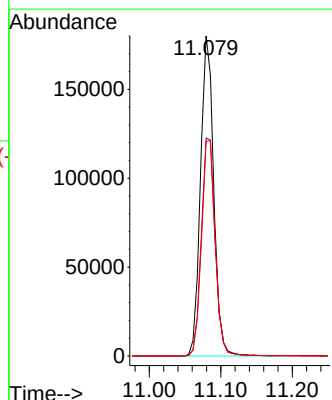
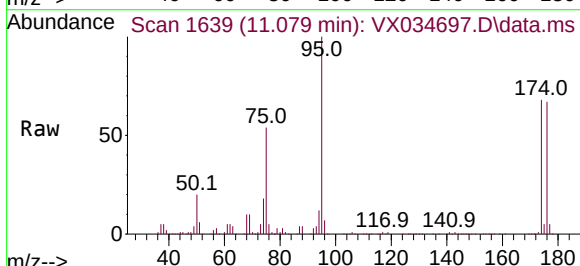
Tgt Ion: 95 Resp: 230983

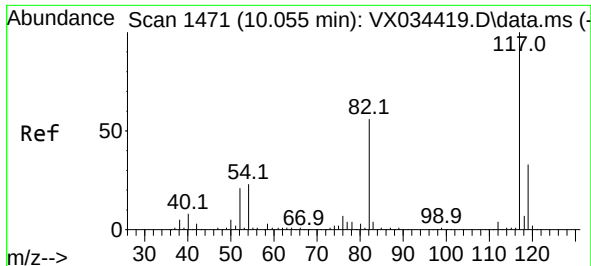
Ion Ratio Lower Upper

95 100

174 71.3 0.0 147.4

176 69.7 0.0 140.6

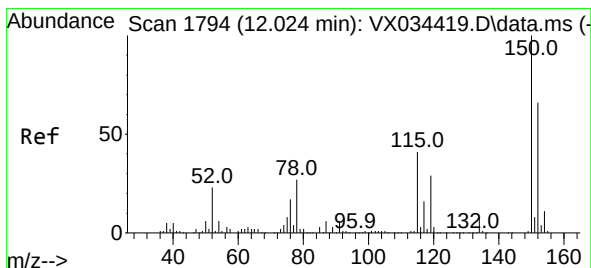
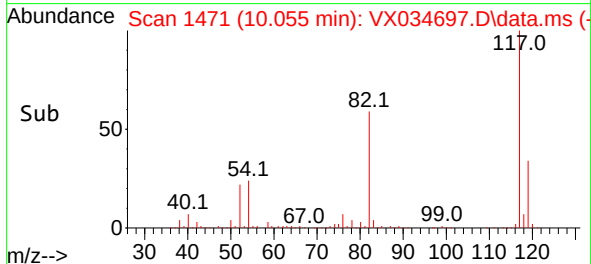
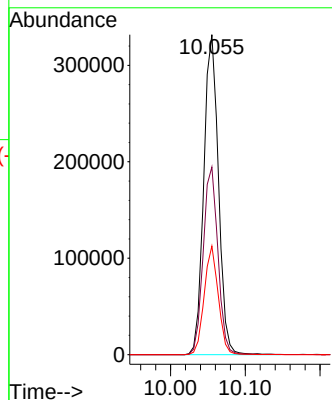
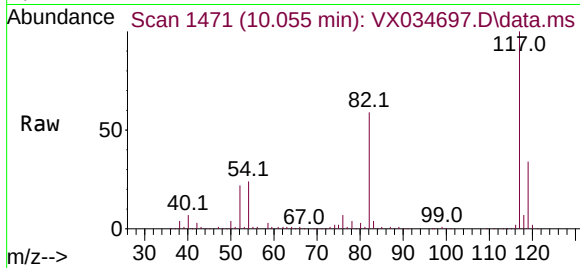




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

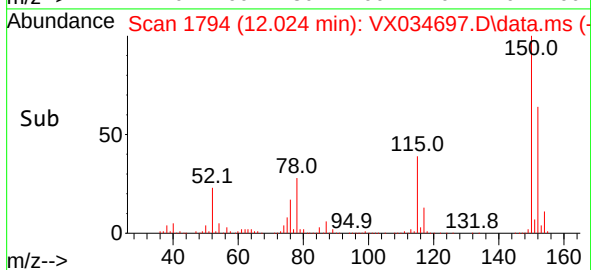
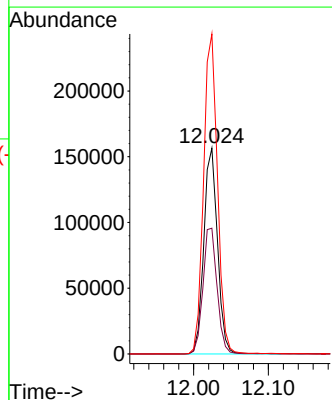
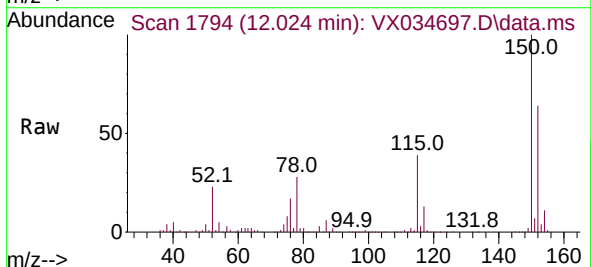
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-13-TEST-PIT-ON-GRAVELLY

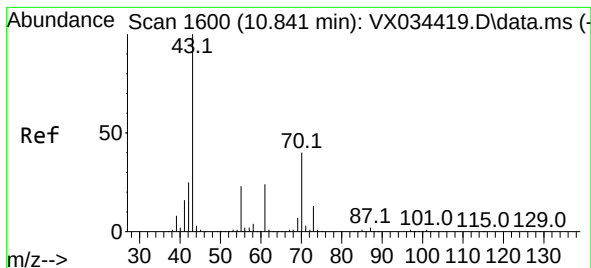
Tgt Ion:117 Resp: 452467  
Ion Ratio Lower Upper  
117 100  
82 58.7 45.0 67.4  
119 34.0 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX034697.D  
Acq: 23 Mar 2023 14:43

Tgt Ion:152 Resp: 199226  
Ion Ratio Lower Upper  
152 100  
115 62.9 45.0 135.0  
150 157.7 0.0 352.4





#74

N-amy1 acetate

Concen: 3.507 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034697.D

Acq: 23 Mar 2023 14:43

Instrument :

MSVOA\_X

ClientSampleId :

TP-13-TEST-PIT-ON-GRAVELLY

Tgt Ion: 43 Resp: 25866

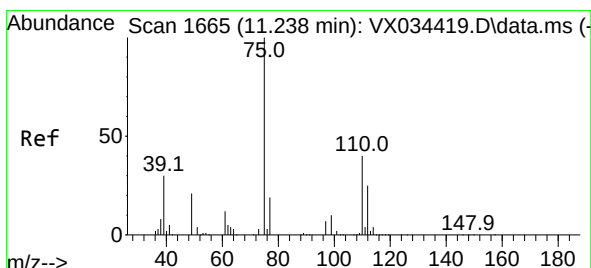
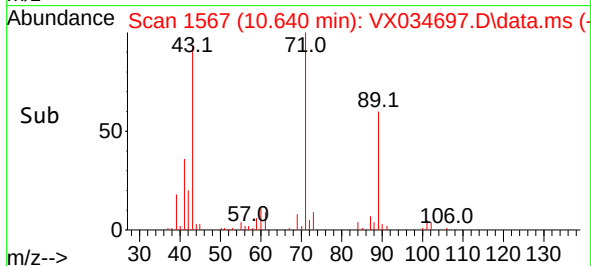
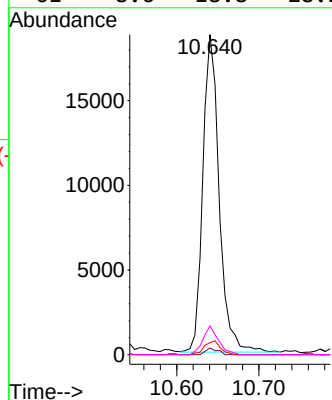
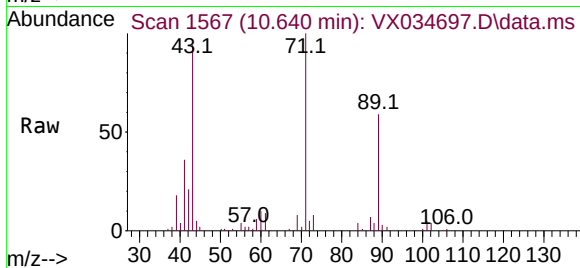
Ion Ratio Lower Upper

43 100

70 1.5 32.1 48.1#

55 4.3 18.3 27.5#

61 8.6 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.139 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034697.D

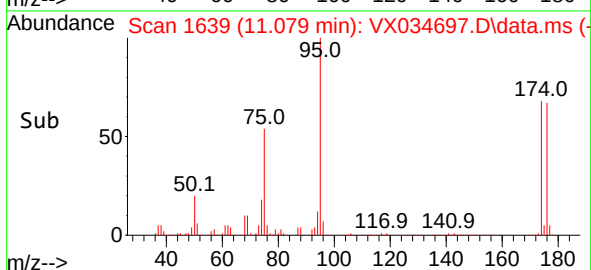
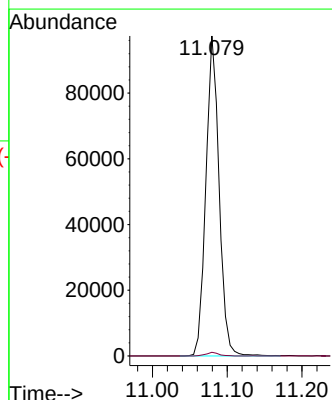
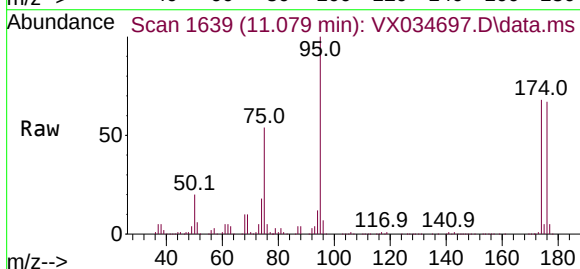
Acq: 23 Mar 2023 14:43

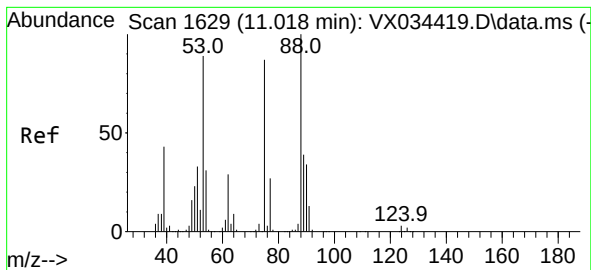
Tgt Ion: 75 Resp: 119570

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 70.713 ug/l  
 RT: 11.079 min Scan# 11  
 Delta R.T. 0.061 min  
 Lab File: VX034697.D  
 Acq: 23 Mar 2023 14:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-13-TEST-PIT-ON-GRAVELLY

Tgt Ion: 75 Resp: 119570  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 82.6 124.0#  
 89 0.0 36.9 55.3#

