

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062521\  
 Data File : VX022963.D  
 Acq On : 26 Jun 2021 08:08  
 Operator : JC/MD  
 Sample : M2832-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 56 Sample Multiplier: 1

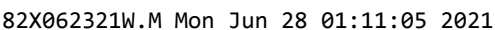
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-3-WC

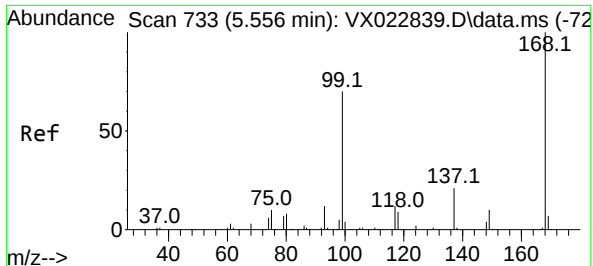
Quant Time: Jun 28 01:10:55 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                         |                |      |                     |        |       |          |
| Internal Standards            |                |      |                     |        |       |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 57122               | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 118845              | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 111493              | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 50879               | 50.000 | ug/l  | 0.00     |
| System Monitoring Compounds   |                |      |                     |        |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 53771               | 51.870 | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 103.740% |        |       |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 36500               | 48.364 | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 96.720%  |        |       |          |
| 50) Toluene-d8                | 8.653          | 98   | 150561              | 50.903 | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 101.800% |        |       |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 57385               | 51.985 | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 103.980% |        |       |          |
| Target Compounds              |                |      |                     |        |       |          |
|                               |                |      |                     |        |       | Qvalue   |
| 11) Tert butyl alcohol        | 2.940          | 59   | 323                 | 1.495  | ug/l  | # 73     |
| 13) Acrolein                  | 2.245          | 56   | 94                  | 0.700  | ug/l  | # 1      |
| 16) Acetone                   | 2.386          | 43   | 9598                | 20.885 | ug/l  | 92       |
| 17) Carbon Disulfide          | 2.514          | 76   | 244                 | 3.628  | ug/l  | # 75     |
| 18) Methyl Acetate            | 2.709          | 43   | 527                 | 0.466  | ug/l  | # 47     |
| 20) Methylene Chloride        | 2.794          | 84   | 5046                | 5.867  | ug/l  | # 83     |
| 25) 2-Butanone                | 4.580          | 43   | 1639                | 2.293  | ug/l  | # 65     |
| 29) Tetrahydrofuran           | 5.013          | 42   | 209                 | 0.455  | ug/l  | # 48     |
| 31) Cyclohexane               | 5.562          | 56   | 1823                | 1.246  | ug/l  | # 33     |
| 36) 1,1-Dichloropropene       | 5.568          | 75   | 6363                | 5.041  | ug/l  | # 45     |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 6971                | 6.584  | ug/l  | # 16     |
| 41) Methacrylonitrile         | 5.019          | 41   | 291                 | 0.361  | ug/l  | # 40     |
| 43) Isopropyl Acetate         | 6.354          | 43   | 11749               | 4.998  | ug/l  | # 91     |
| 48) Methyl methacrylate       | 7.604          | 41   | 3805                | 3.497  | ug/l  | # 10     |
| 49) 1,4-Dioxane               | 7.793          | 88   | 18                  | 0.769  | ug/l  | # 1      |
| 51) 4-Methyl-2-Pentanone      | 8.555          | 43   | 39811               | 27.210 | ug/l  | # 42     |
| 54) cis-1,3-Dichloropropene   | 8.555          | 75   | 17110               | 12.748 | ug/l  | # 68     |
| 56) Ethyl methacrylate        | 9.250          | 69   | 140                 | 2.661  | ug/l  | # 1      |
| 57) 1,3-Dichloropropane       | 9.488          | 76   | 9970                | 6.213  | ug/l  | # 42     |
| 59) 2-Hexanone                | 9.384          | 43   | 4581                | 4.127  | ug/l  | # 19     |
| 74) N-amyl acetate            | 10.854         | 43   | 221                 | 2.142  | ug/l  | # 65     |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 32834               | 24.432 | ug/l  | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 32834               | 63.909 | ug/l  | # 12     |
| 95) Naphthalene               | 13.780         | 128  | 7386                | 3.635  | ug/l  | 99       |
| -----                         |                |      |                     |        |       |          |

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

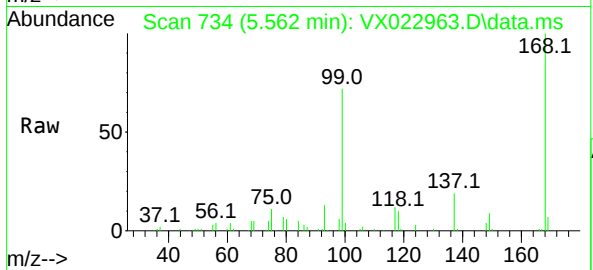
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 19:12:26 2021  
Response via : Initial Calibration



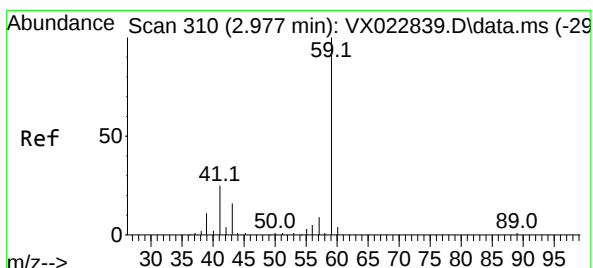
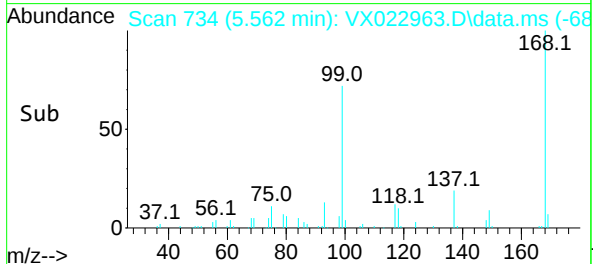
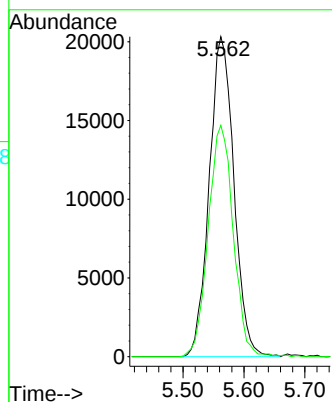


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-WC

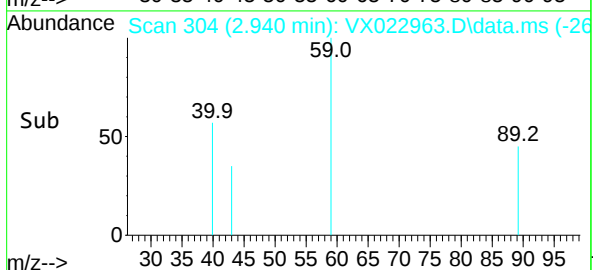
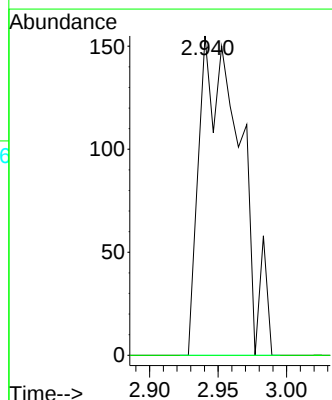
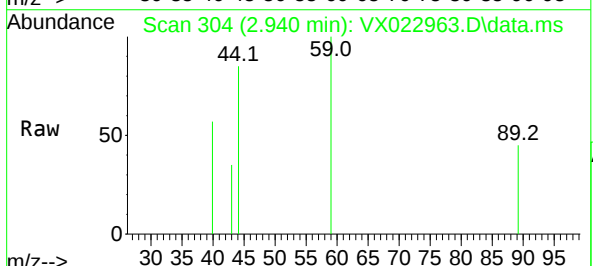


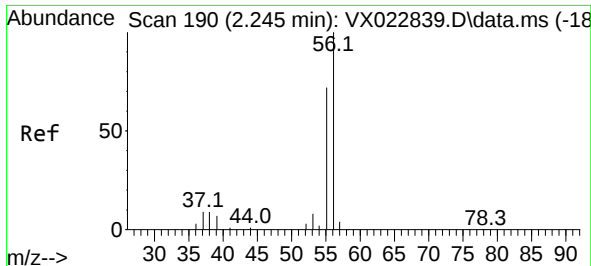
Tgt Ion:168 Resp: 57122  
Ion Ratio Lower Upper  
168 100  
99 72.3 45.8 68.6#



#11  
Tert butyl alcohol  
Concen: 1.495 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.037 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 59 Resp: 323  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

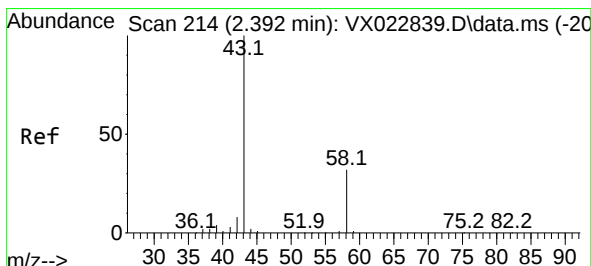
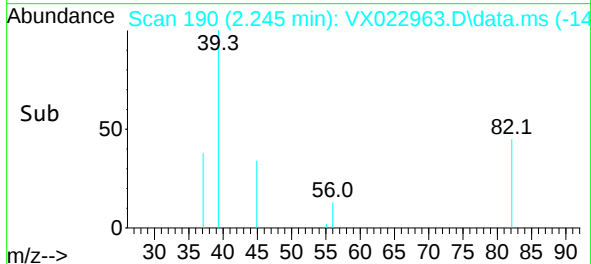
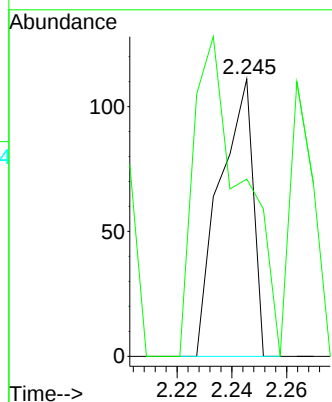
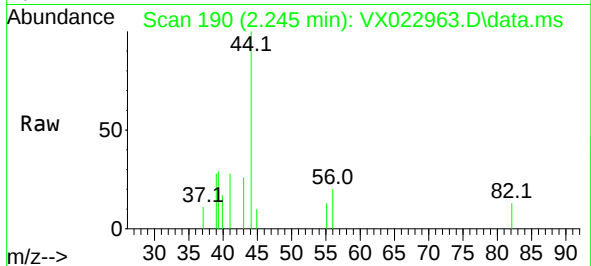




#13  
Acrolein  
Concen: 0.700 ug/l  
RT: 2.245 min Scan# 190  
Delta R.T. 0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

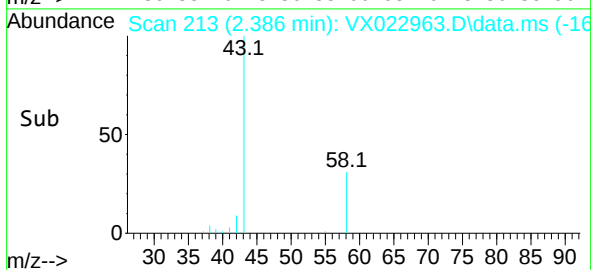
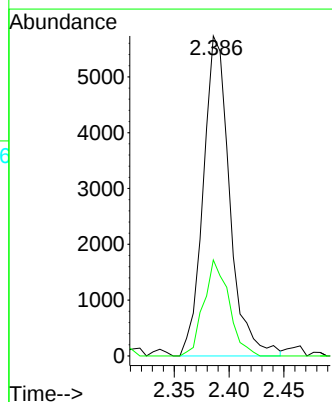
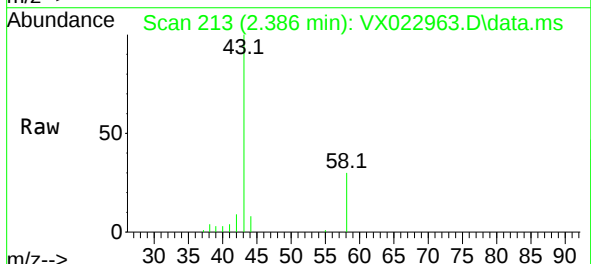
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-WC

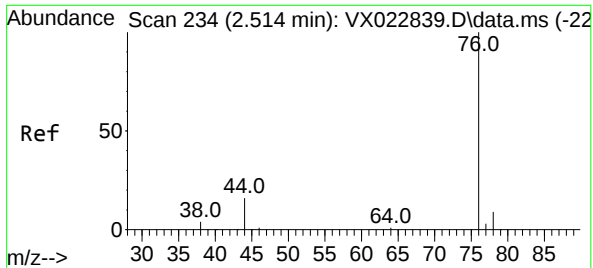
Tgt Ion: 56 Resp: 94  
Ion Ratio Lower Upper  
56 100  
55 167.0 56.4 84.6#



#16  
Acetone  
Concen: 20.885 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 43 Resp: 9598  
Ion Ratio Lower Upper  
43 100  
58 30.0 27.8 41.8

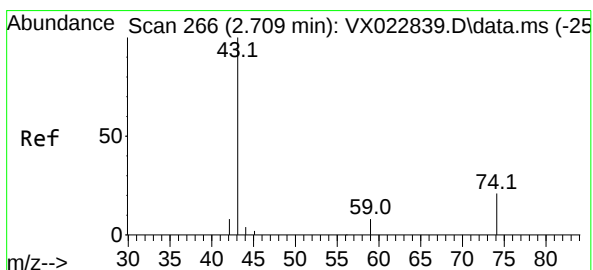
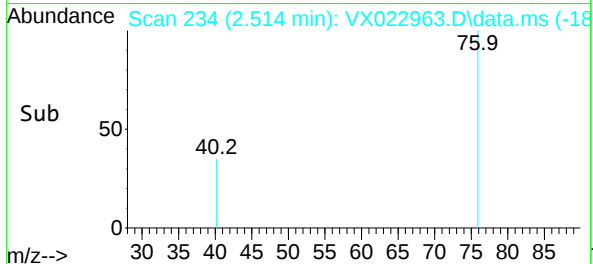
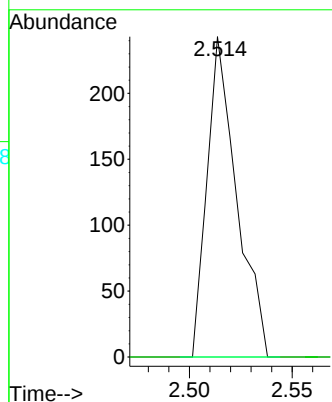
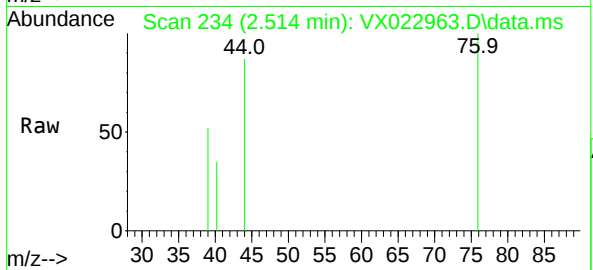




#17  
Carbon Disulfide  
Concen: 3.628 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

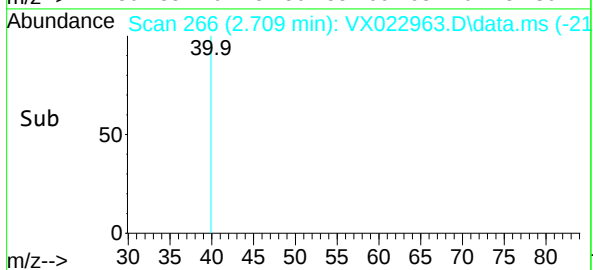
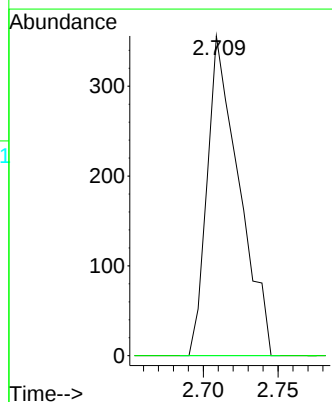
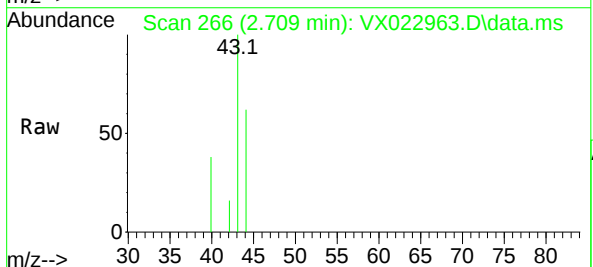
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-WC

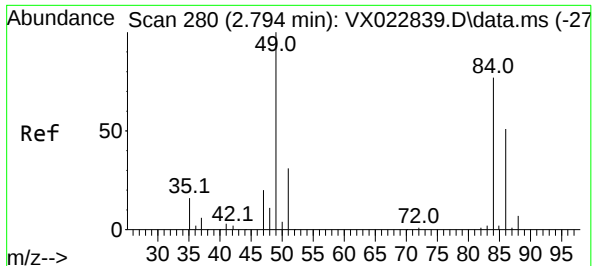
Tgt Ion: 76 Resp: 244  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#18  
Methyl Acetate  
Concen: 0.466 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. -0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 43 Resp: 527  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.9 32.9#



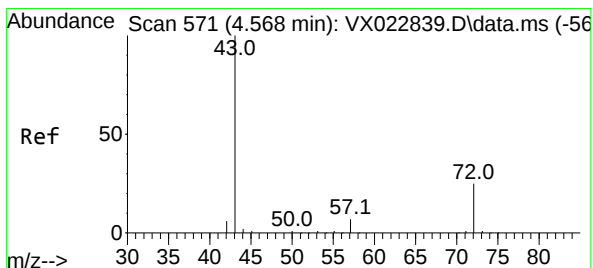
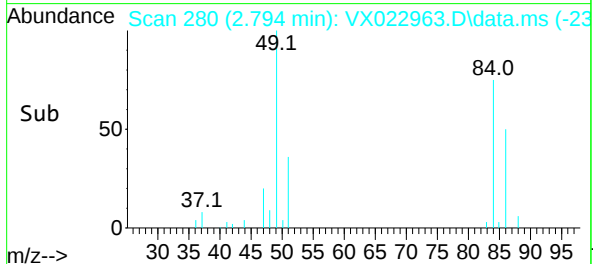
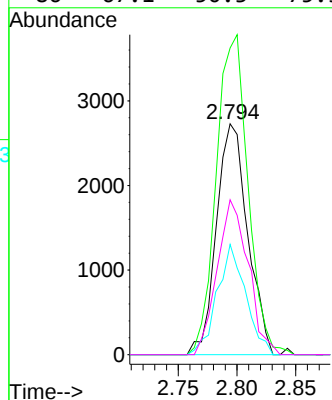
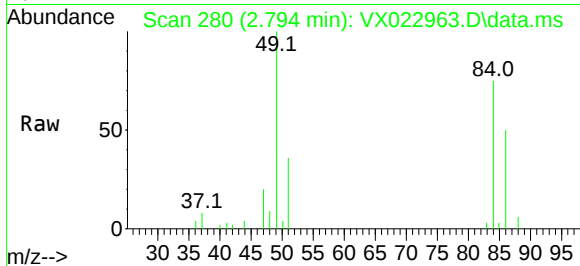


#20  
Methylene Chloride  
Concen: 5.867 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-WC

Tgt Ion: 84 Resp: 5046

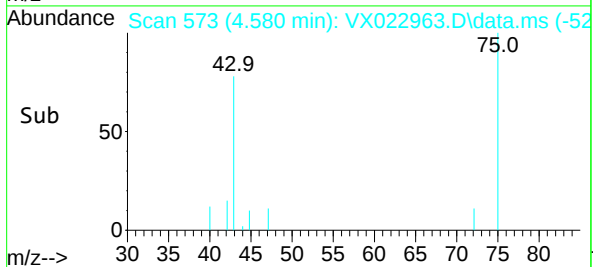
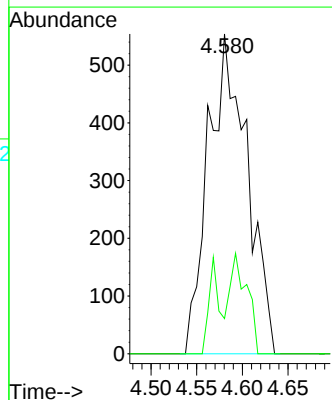
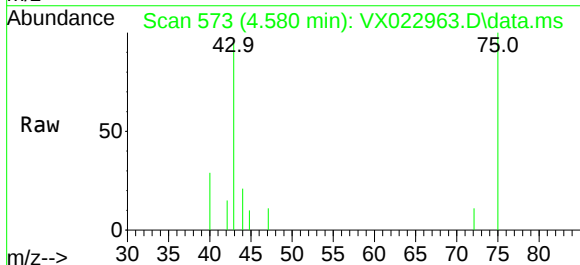
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 132.9 | 88.6  | 132.8# |
| 51  | 47.8  | 27.0  | 40.6#  |
| 86  | 67.1  | 50.3  | 75.5   |

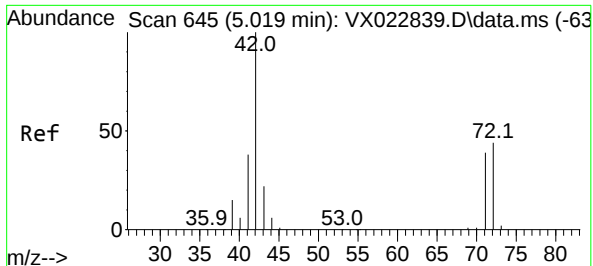


#25  
2-Butanone  
Concen: 2.293 ug/l  
RT: 4.580 min Scan# 573  
Delta R.T. 0.012 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 43 Resp: 1639

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 11.0  | 23.7  | 35.5# |





#29

Tetrahydrofuran

Concen: 0.455 ug/l

RT: 5.013 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX022963.D

Acq: 26 Jun 2021 08:08

Tgt Ion: 42 Resp: 209

Ion Ratio Lower Upper

42 100

72 27.8 41.7 62.5#

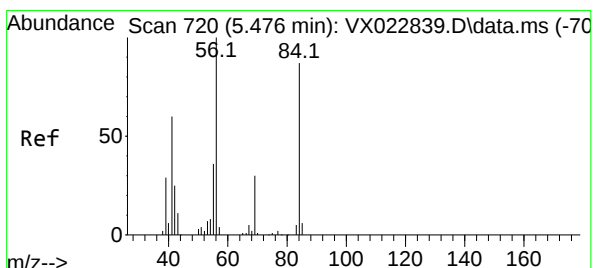
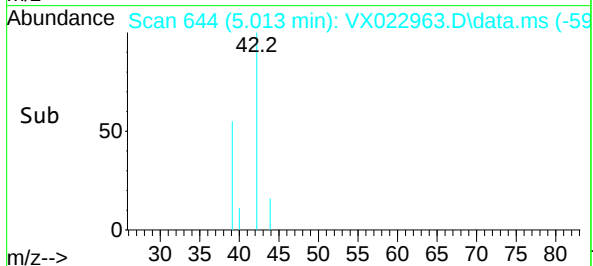
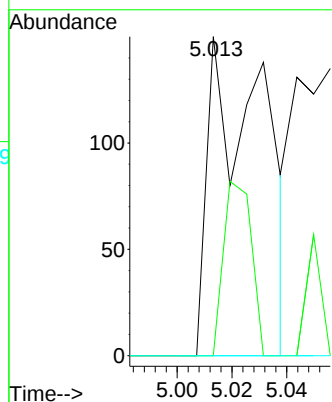
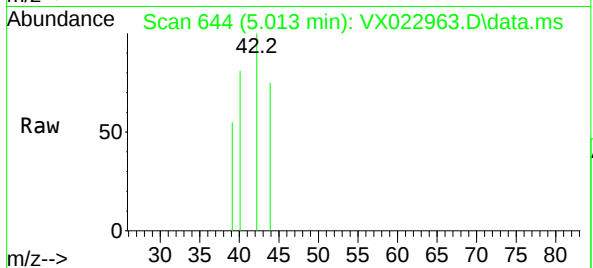
71 0.0 38.4 57.6#

Instrument :

MSVOA\_X

ClientSampleId :

TP-3-WC



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.086 min

Lab File: VX022963.D

Acq: 26 Jun 2021 08:08

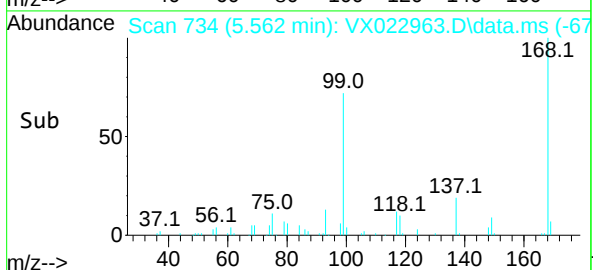
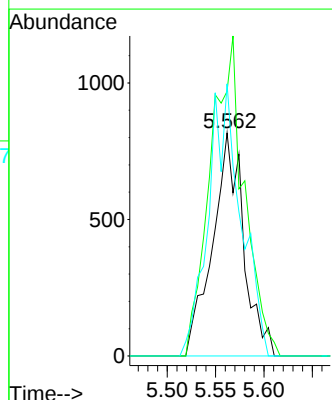
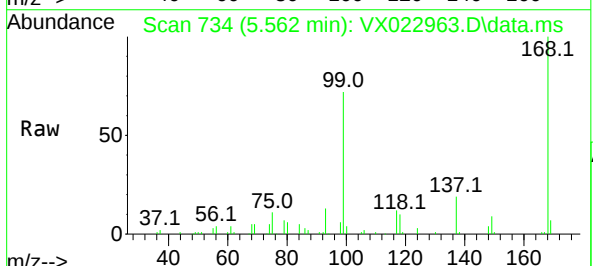
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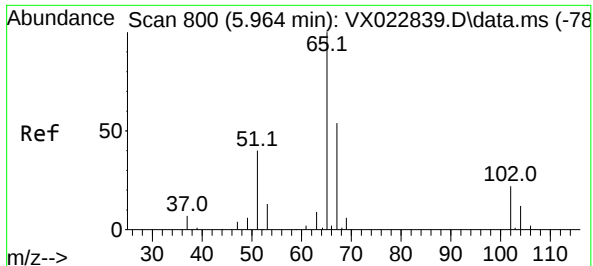
Ion Ratio Lower Upper

56 100

69 118.6 25.3 37.9#

84 122.0 71.4 107.0#



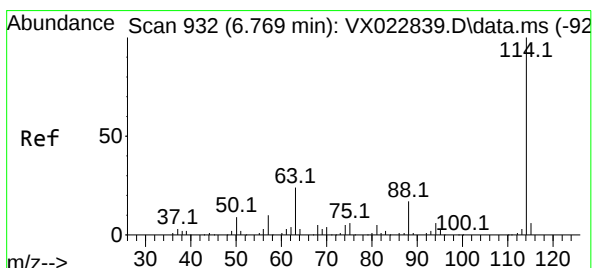
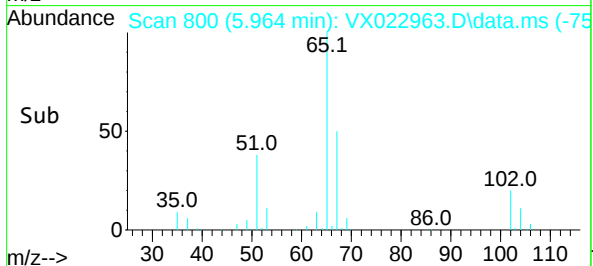
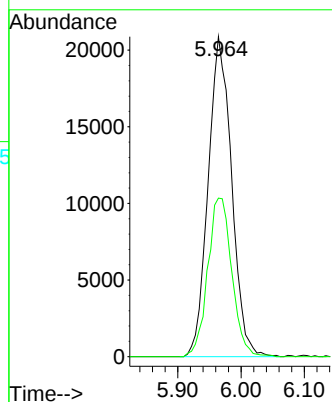
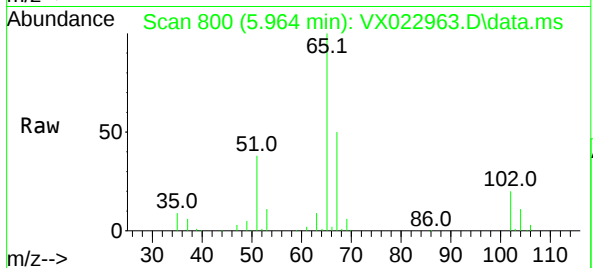


#33

1,2-Dichloroethane-d4  
Concen: 51.870 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Instrument :  
MSVOA\_X  
ClientSampled :  
TP-3-WC

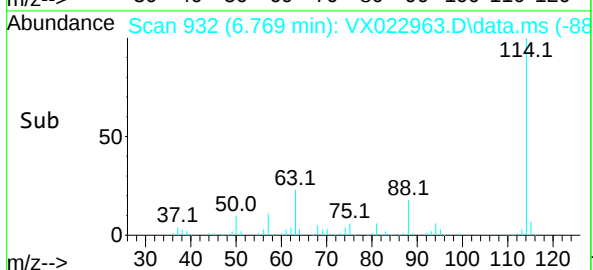
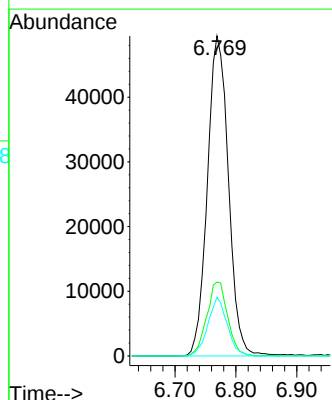
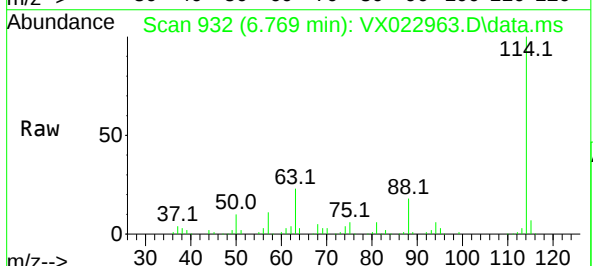
Tgt Ion: 65 Resp: 53771  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 105.4

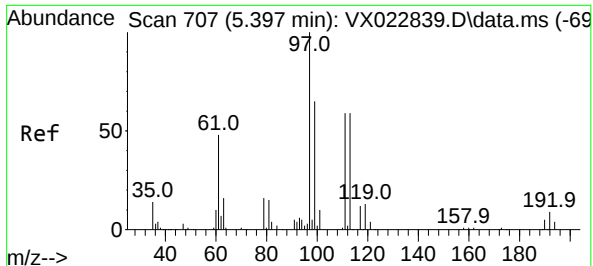


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 114 Resp: 118845  
Ion Ratio Lower Upper  
114 100  
63 23.1 0.0 40.8  
88 18.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.364 ug/l

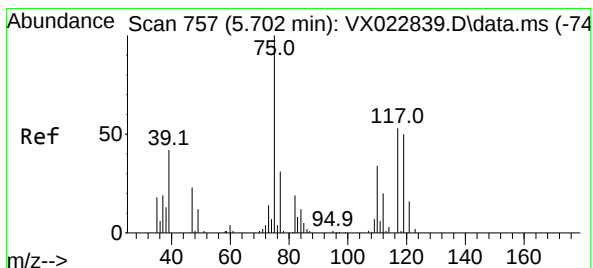
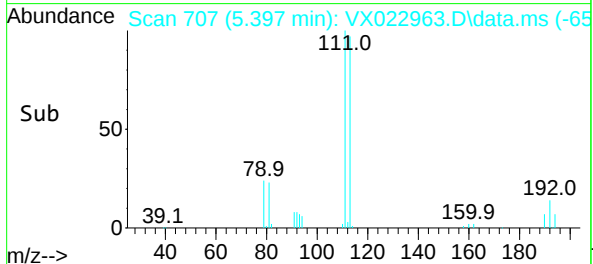
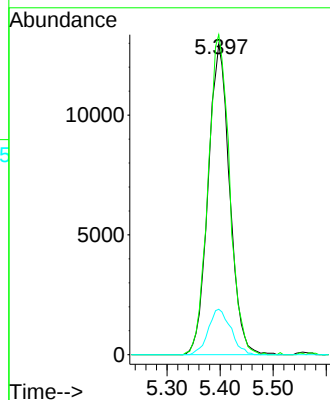
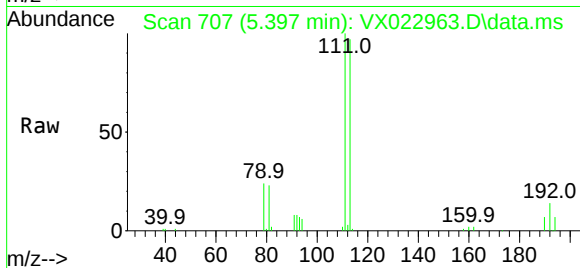
RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022963.D

Acq: 26 Jun 2021 08:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 36500 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.2 | 81.9  | 122.9 |
| 192      | 15.3  | 16.7  | 25.1# |



#36

1,1-Dichloropropene

Concen: 5.041 ug/l

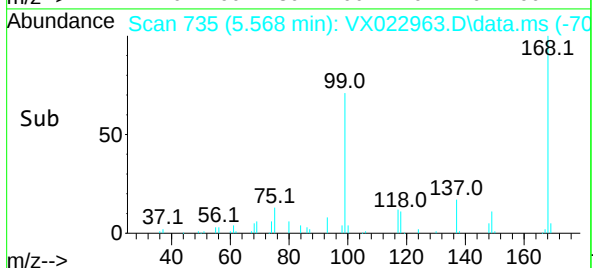
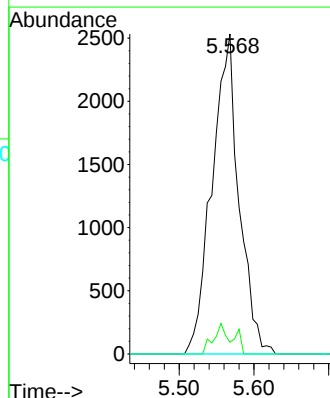
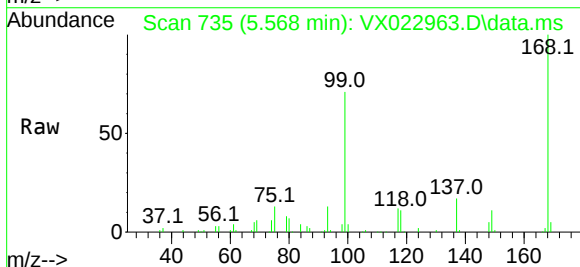
RT: 5.568 min Scan# 735

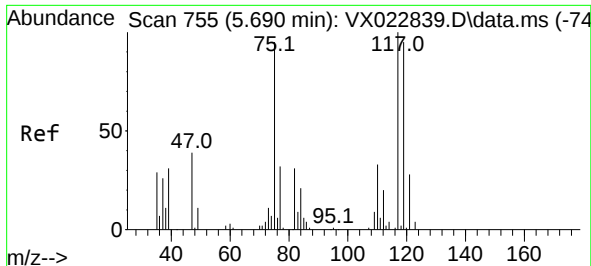
Delta R.T. -0.134 min

Lab File: VX022963.D

Acq: 26 Jun 2021 08:08

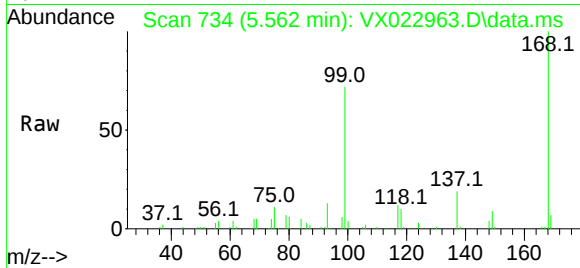
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6363  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 4.7   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |



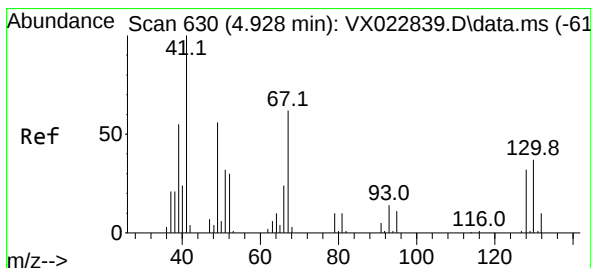
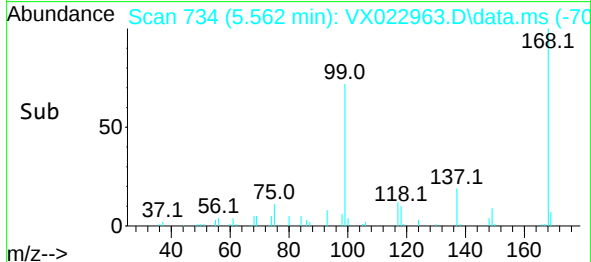
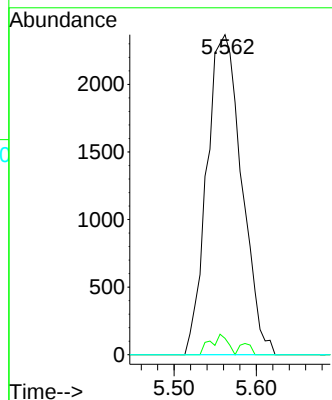


#38  
Carbon Tetrachloride  
Concen: 6.584 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-WC

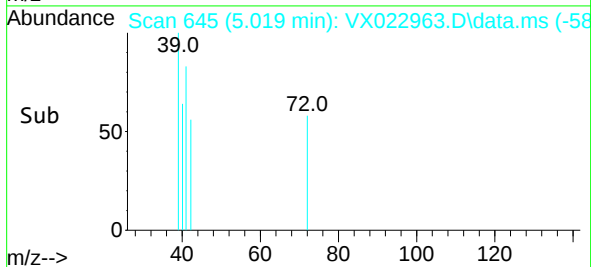
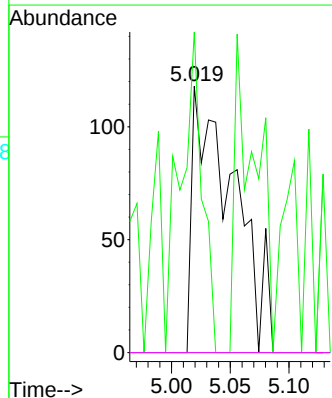
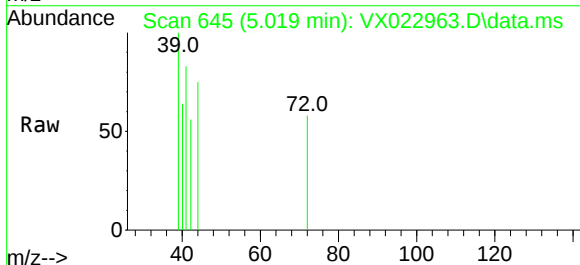


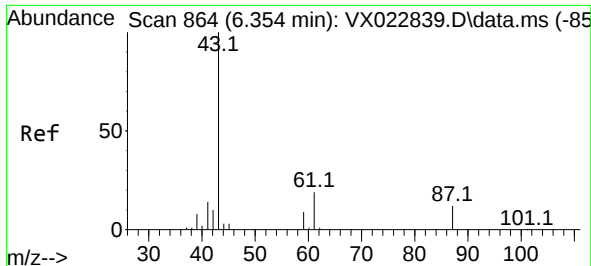
Tgt Ion:117 Resp: 6971  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.2 114.2#  
121 0.0 24.8 37.2#



#41  
Methacrylonitrile  
Concen: 0.361 ug/l  
RT: 5.019 min Scan# 645  
Delta R.T. 0.091 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 41 Resp: 291  
Ion Ratio Lower Upper  
41 100  
39 63.9 42.5 63.7#  
67 0.0 65.0 97.6#  
52 0.0 25.3 37.9#

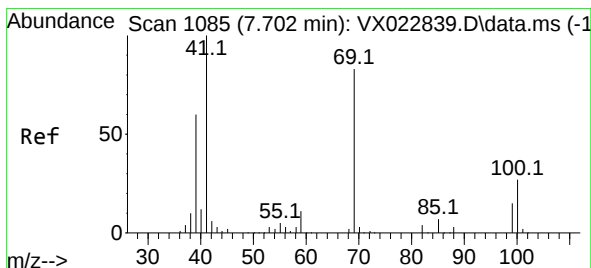
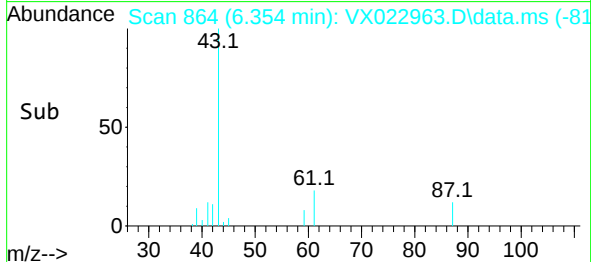
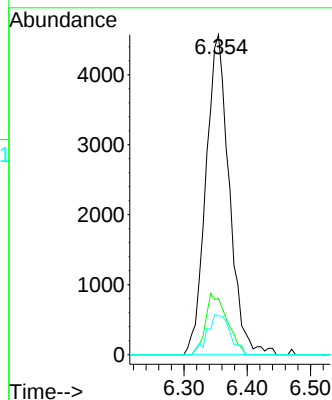
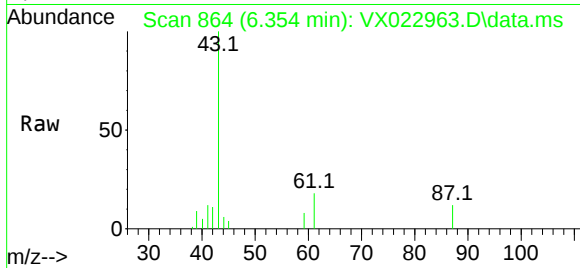




#43  
Isopropyl Acetate  
Concen: 4.998 ug/l  
RT: 6.354 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

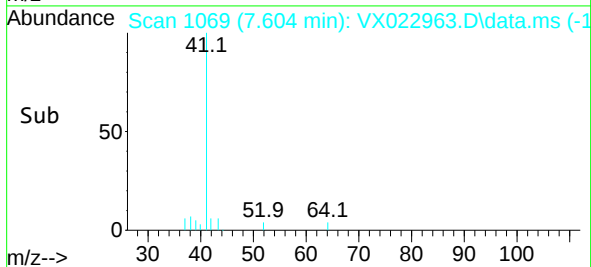
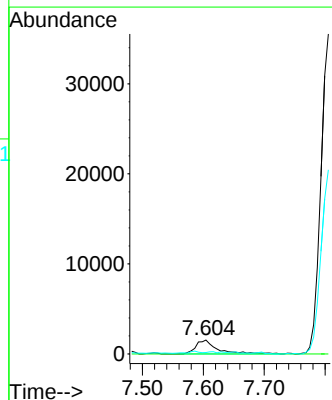
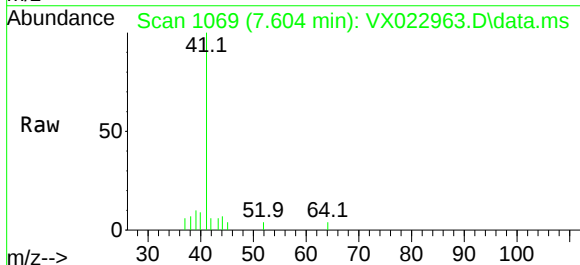
Instrument :  
MSVOA\_X  
ClientSampled :  
TP-3-WC

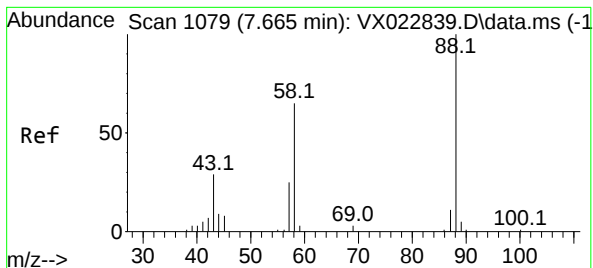
Tgt Ion: 43 Resp: 11749  
Ion Ratio Lower Upper  
43 100  
61 17.6 18.2 27.4#  
87 12.4 12.5 18.7#



#48  
Methyl methacrylate  
Concen: 3.497 ug/l  
RT: 7.604 min Scan# 1069  
Delta R.T. -0.098 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 41 Resp: 3805  
Ion Ratio Lower Upper  
41 100  
69 0.0 76.0 114.0#  
39 0.0 44.6 67.0#

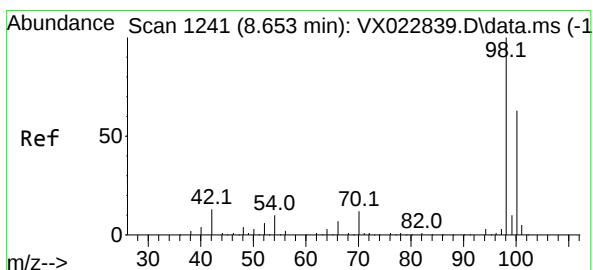
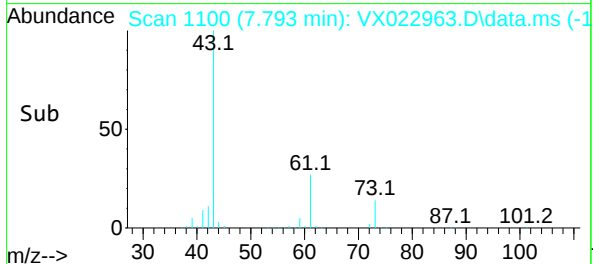
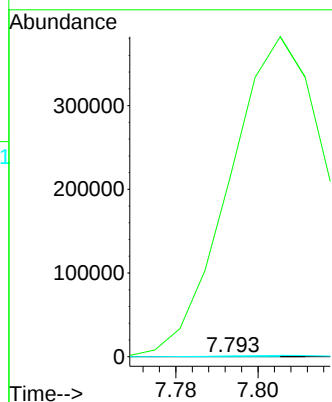
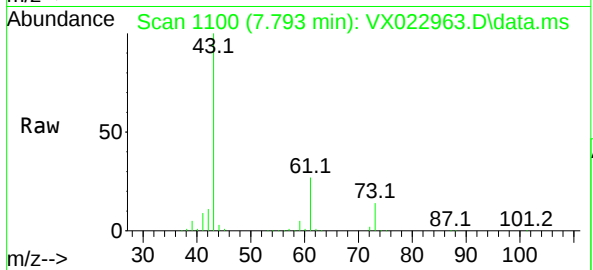




#49  
1,4-Dioxane  
Concen: 0.769 ug/l  
RT: 7.793 min Scan# 1100  
Delta R.T. 0.128 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

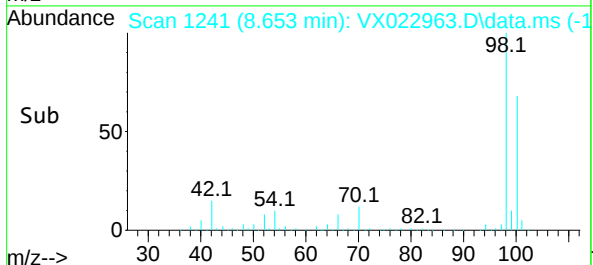
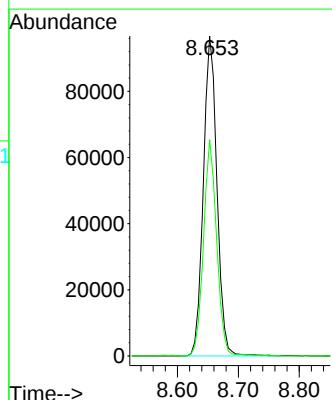
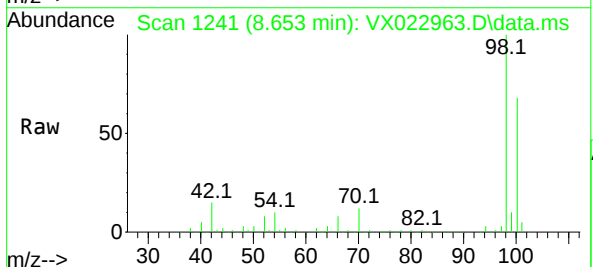
Instrument :  
MSVOA\_X  
ClientSampled :  
TP-3-WC

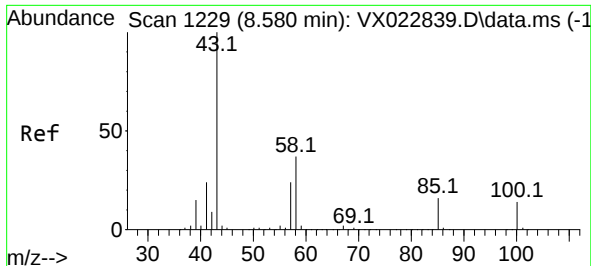
Tgt Ion: 88 Resp: 18  
Ion Ratio Lower Upper  
88 100  
43 3671983.3 23.2 34.8#  
58 14277.8 55.0 82.4#



#50  
Toluene-d8  
Concen: 50.903 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 98 Resp: 150561  
Ion Ratio Lower Upper  
98 100  
100 65.5 51.9 77.9

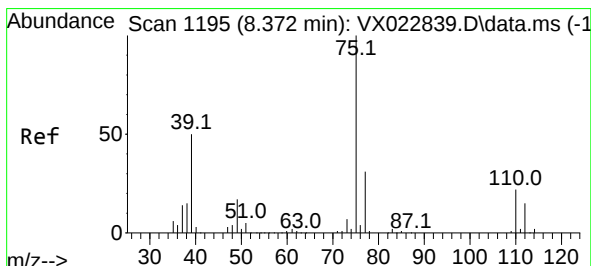
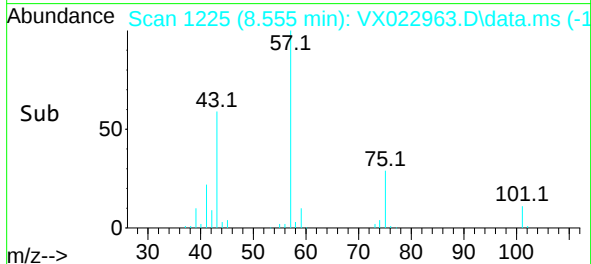
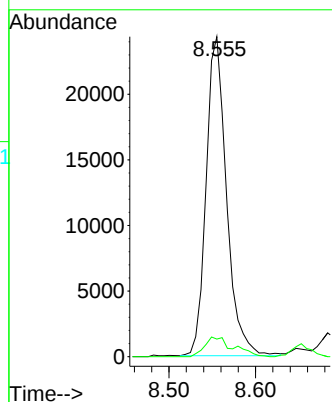
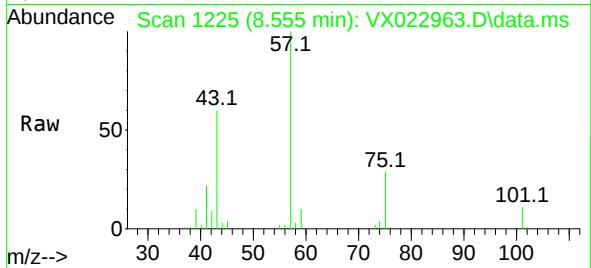




#51  
4-Methyl-2-Pentanone  
Concen: 27.210 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. -0.025 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

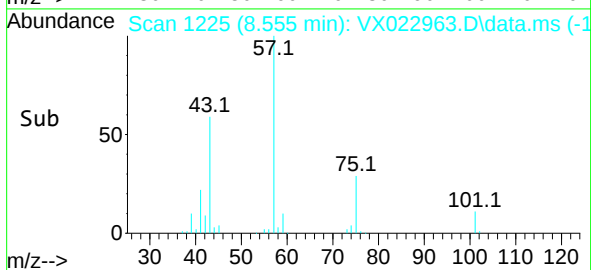
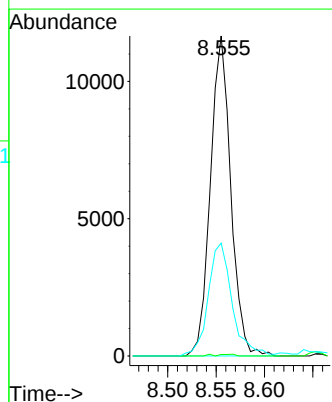
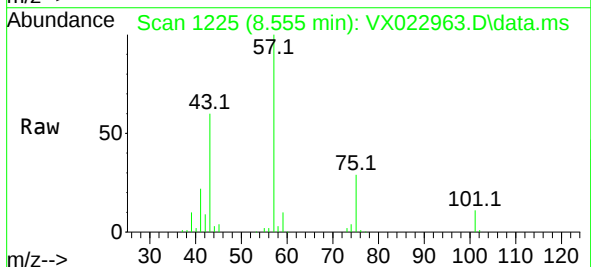
Instrument :  
MSVOA\_X  
ClientSampled :  
TP-3-WC

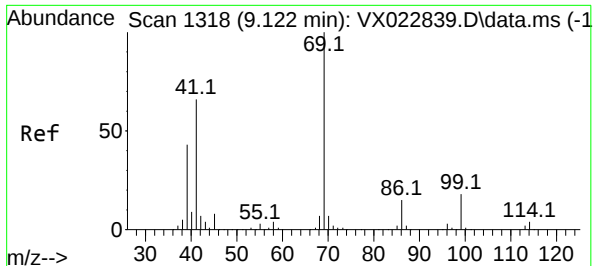
Tgt Ion: 43 Resp: 39811  
Ion Ratio Lower Upper  
43 100  
58 6.6 35.4 53.0#



#54  
cis-1,3-Dichloropropene  
Concen: 12.748 ug/l  
RT: 8.555 min Scan# 1225  
Delta R.T. 0.183 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 75 Resp: 17110  
Ion Ratio Lower Upper  
75 100  
77 0.5 25.7 38.5#  
39 35.2 35.1 52.7

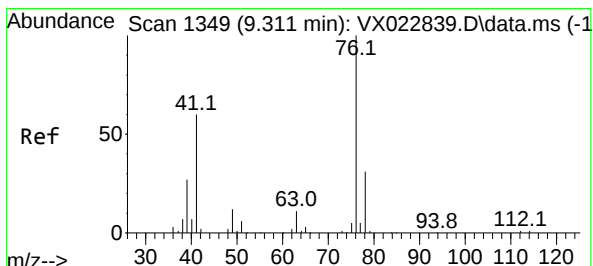
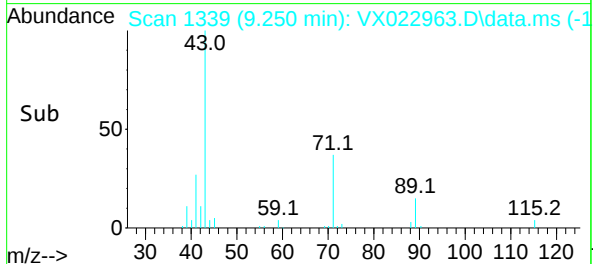
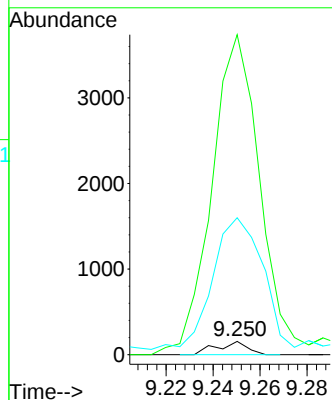
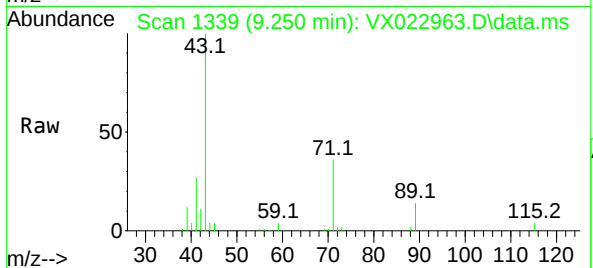




#56  
Ethyl methacrylate  
Concen: 2.661 ug/l  
RT: 9.250 min Scan# 1339  
Delta R.T. 0.128 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

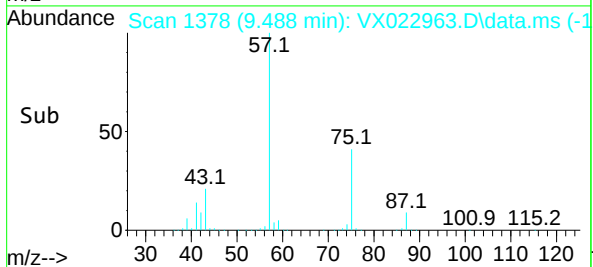
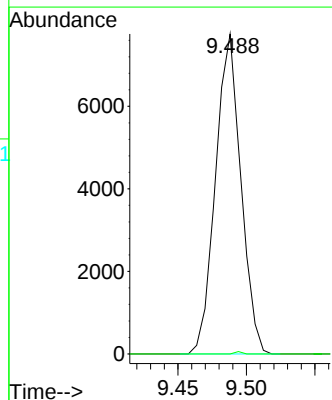
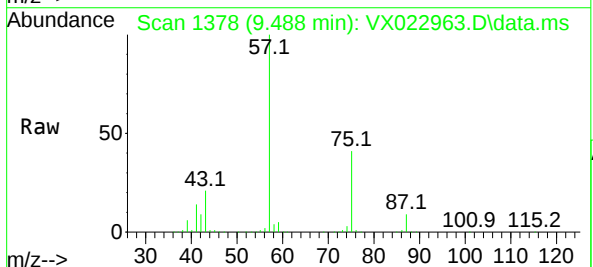
Instrument :  
MSVOA\_X  
ClientSampled :  
TP-3-WC

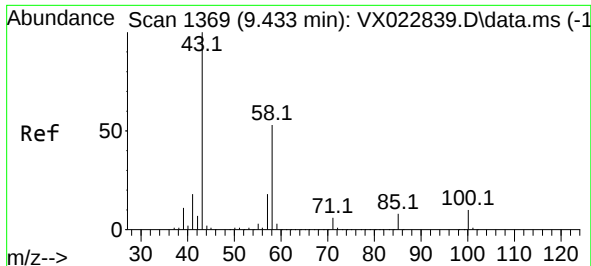
Tgt Ion: 69 Resp: 140  
Ion Ratio Lower Upper  
69 100  
41 3800.7 46.8 70.2#  
39 1660.0 24.7 37.1#



#57  
1,3-Dichloropropane  
Concen: 6.213 ug/l  
RT: 9.488 min Scan# 1378  
Delta R.T. 0.177 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 76 Resp: 9970  
Ion Ratio Lower Upper  
76 100  
78 0.2 26.2 39.2#

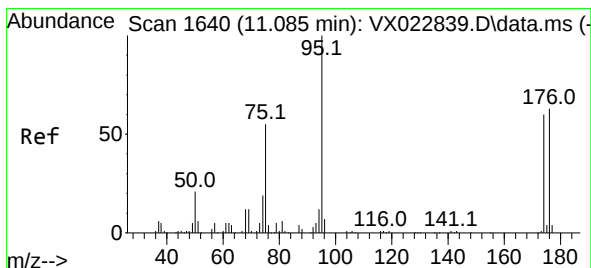
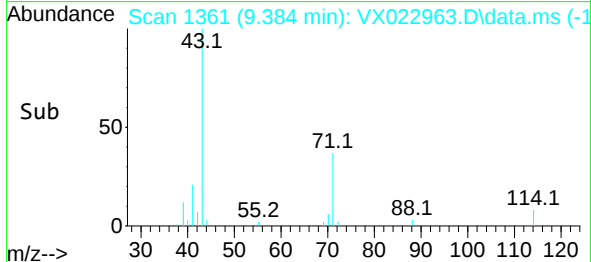
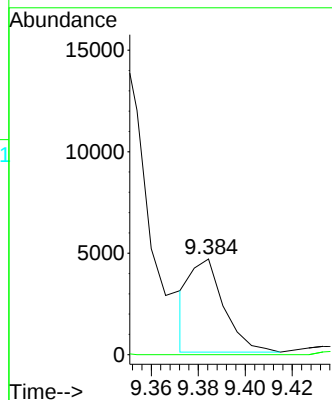
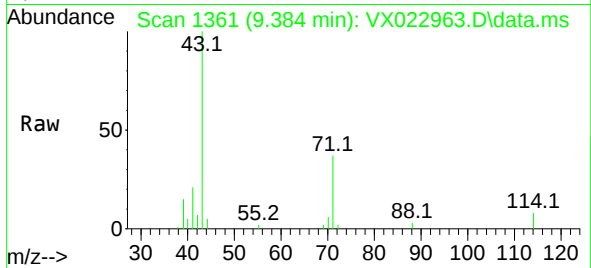




#59  
2-Hexanone  
Concen: 4.127 ug/l  
RT: 9.384 min Scan# 1361  
Delta R.T. -0.049 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

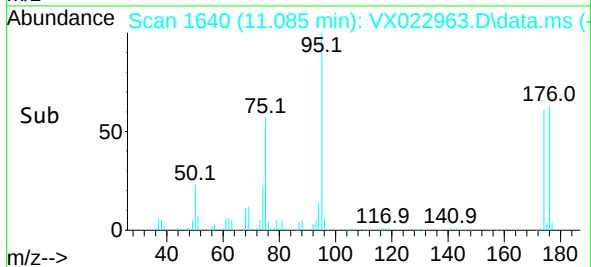
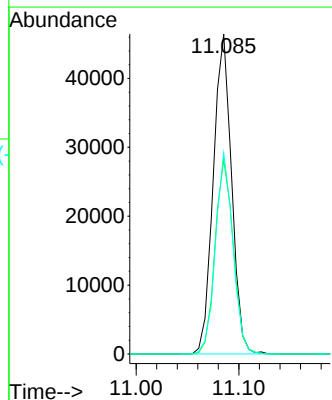
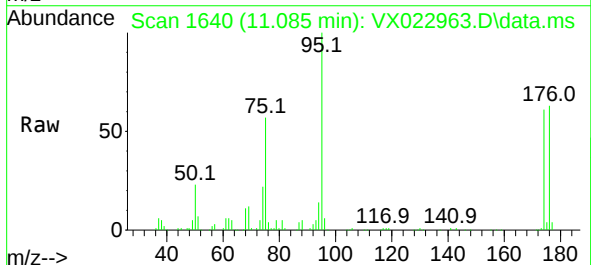
Instrument :  
MSVOA\_X  
ClientSampled :  
TP-3-WC

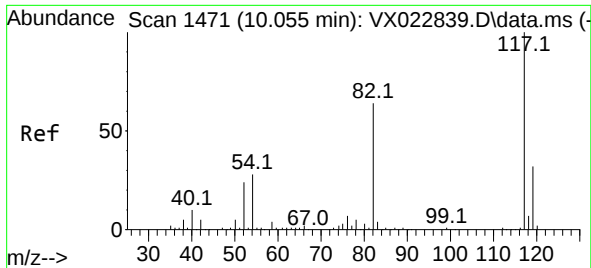
Tgt Ion: 43 Resp: 4581  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.9 92.8#



#62  
4-Bromofluorobenzene  
Concen: 51.985 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 95 Resp: 57385  
Ion Ratio Lower Upper  
95 100  
174 60.4 0.0 154.6  
176 59.9 0.0 155.8

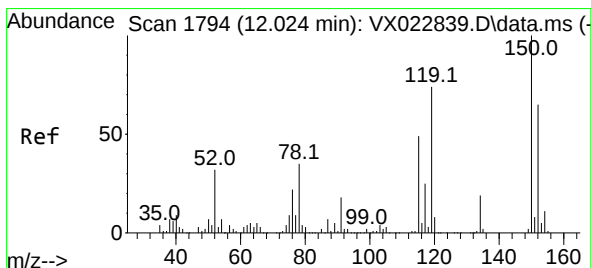
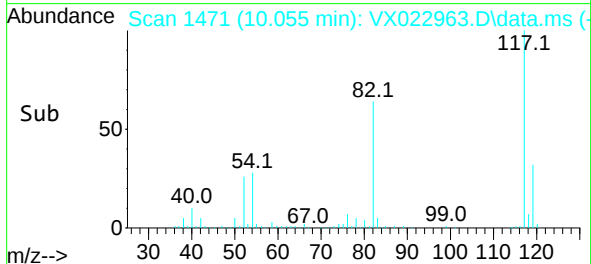
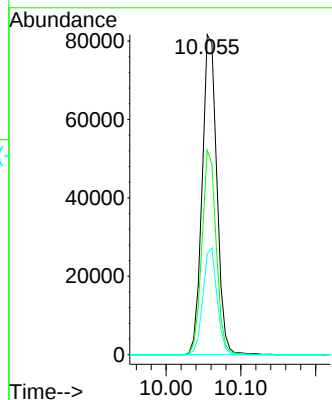
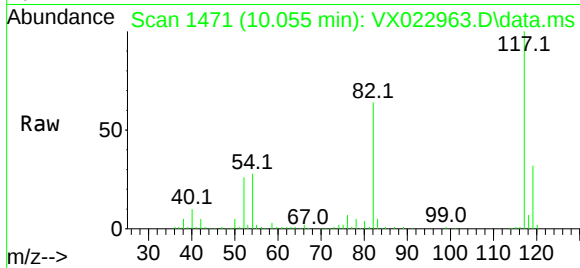




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

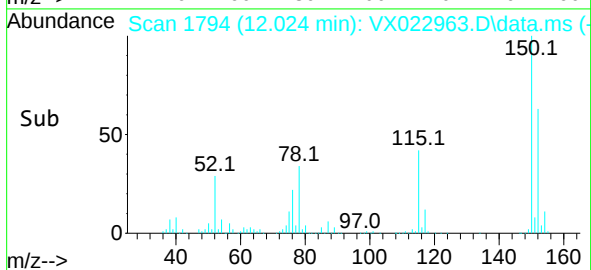
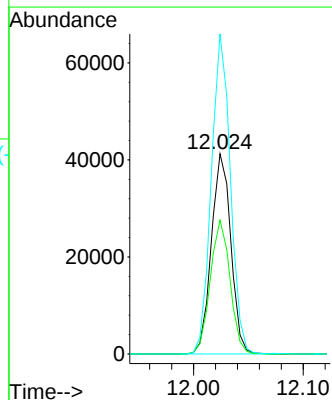
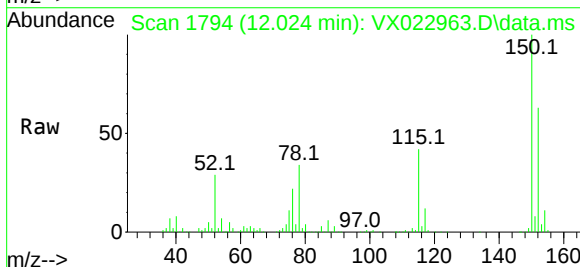
Instrument :  
MSVOA\_X  
ClientSampled :  
TP-3-WC

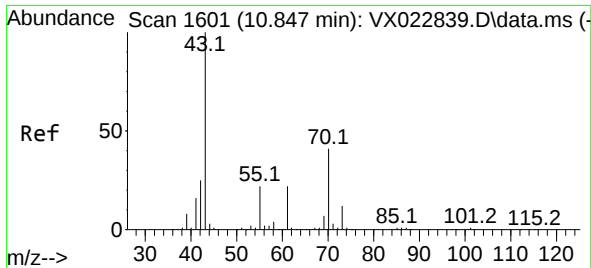
Tgt Ion:117 Resp: 111493  
Ion Ratio Lower Upper  
117 100  
82 64.0 47.4 71.2  
119 31.5 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion:152 Resp: 50879  
Ion Ratio Lower Upper  
152 100  
115 67.7 41.1 123.3  
150 156.5 0.0 349.0

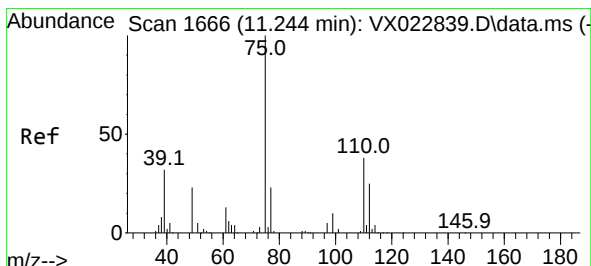
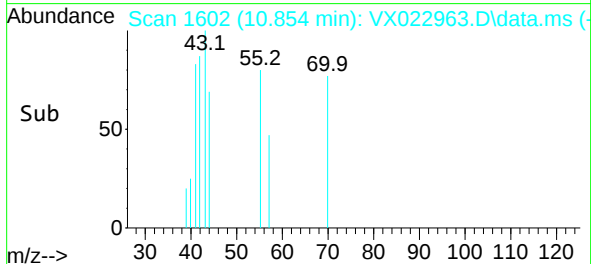
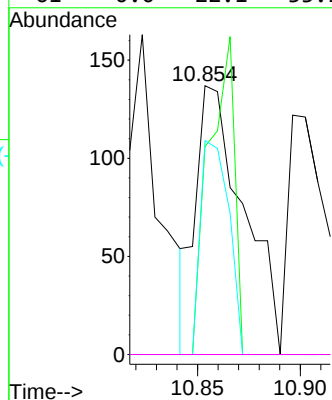
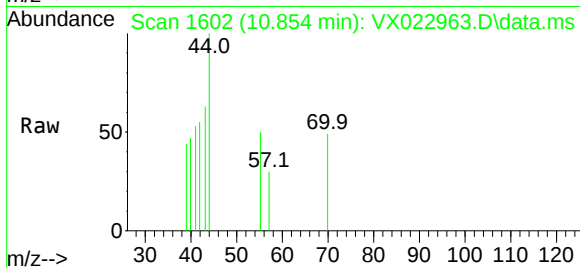




#74  
N-amy1 acetate  
Concen: 2.142 ug/l  
RT: 10.854 min Scan# 1602  
Delta R.T. 0.007 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

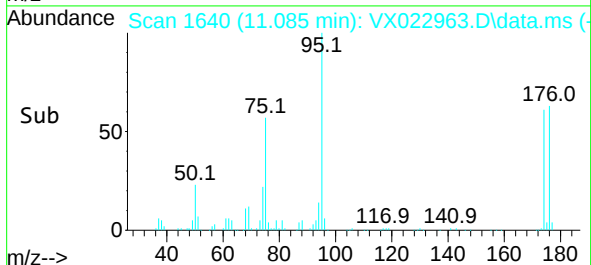
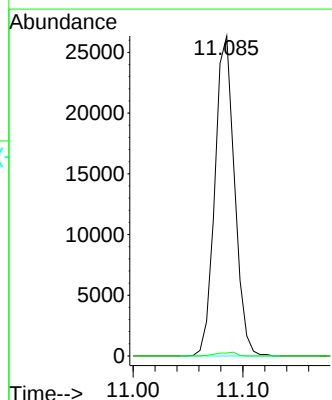
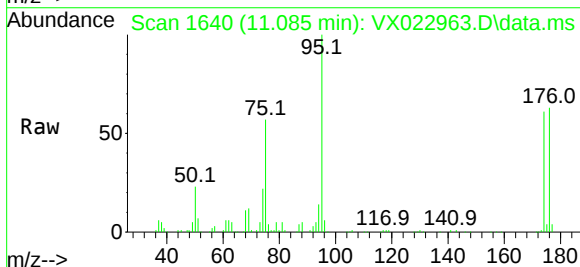
Instrument :  
MSVOA\_X  
ClientSampled :  
TP-3-WC

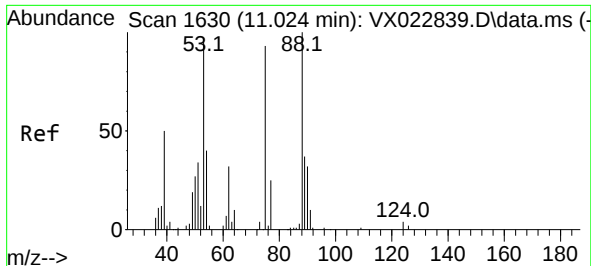
Tgt Ion: 43 Resp: 221  
Ion Ratio Lower Upper  
43 100  
70 63.3 39.0 58.6#  
55 47.5 21.5 32.3#  
61 0.0 22.1 33.1#



#76  
1,2,3-Trichloropropane  
Concen: 24.432 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 75 Resp: 32834  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#

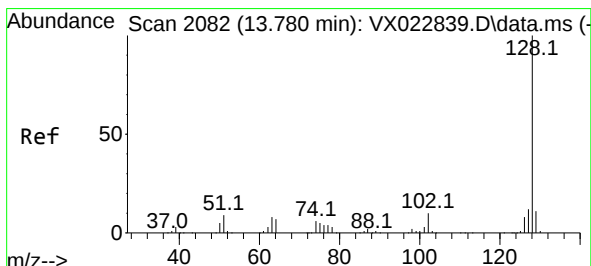
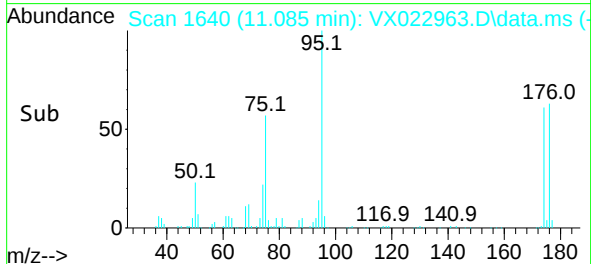
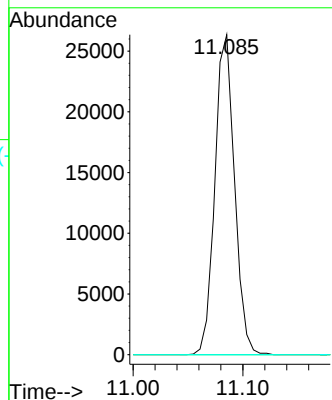
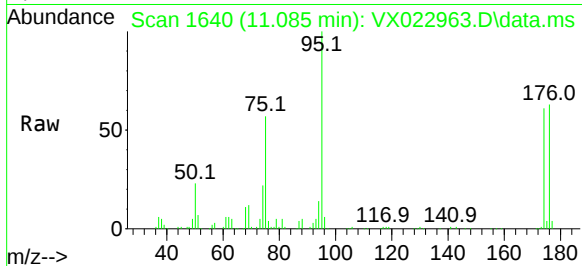




#81  
trans-1,4-Dichloro-2-butene  
Concen: 63.909 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3-WC

Tgt Ion: 75 Resp: 32834  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 3.635 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VX022963.D  
Acq: 26 Jun 2021 08:08

Tgt Ion: 128 Resp: 7386  
Ion Ratio Lower Upper  
128 100  
127 12.3 10.3 15.5  
129 11.3 8.8 13.2

