

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041421\  
 Data File : VY004412.D  
 Acq On : 14 Apr 2021 11:04  
 Operator : SY/MD  
 Sample : VY0414SBL01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0414SBL01

Quant Time: Apr 15 01:05:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 2021  
 Response via : Initial Calibration

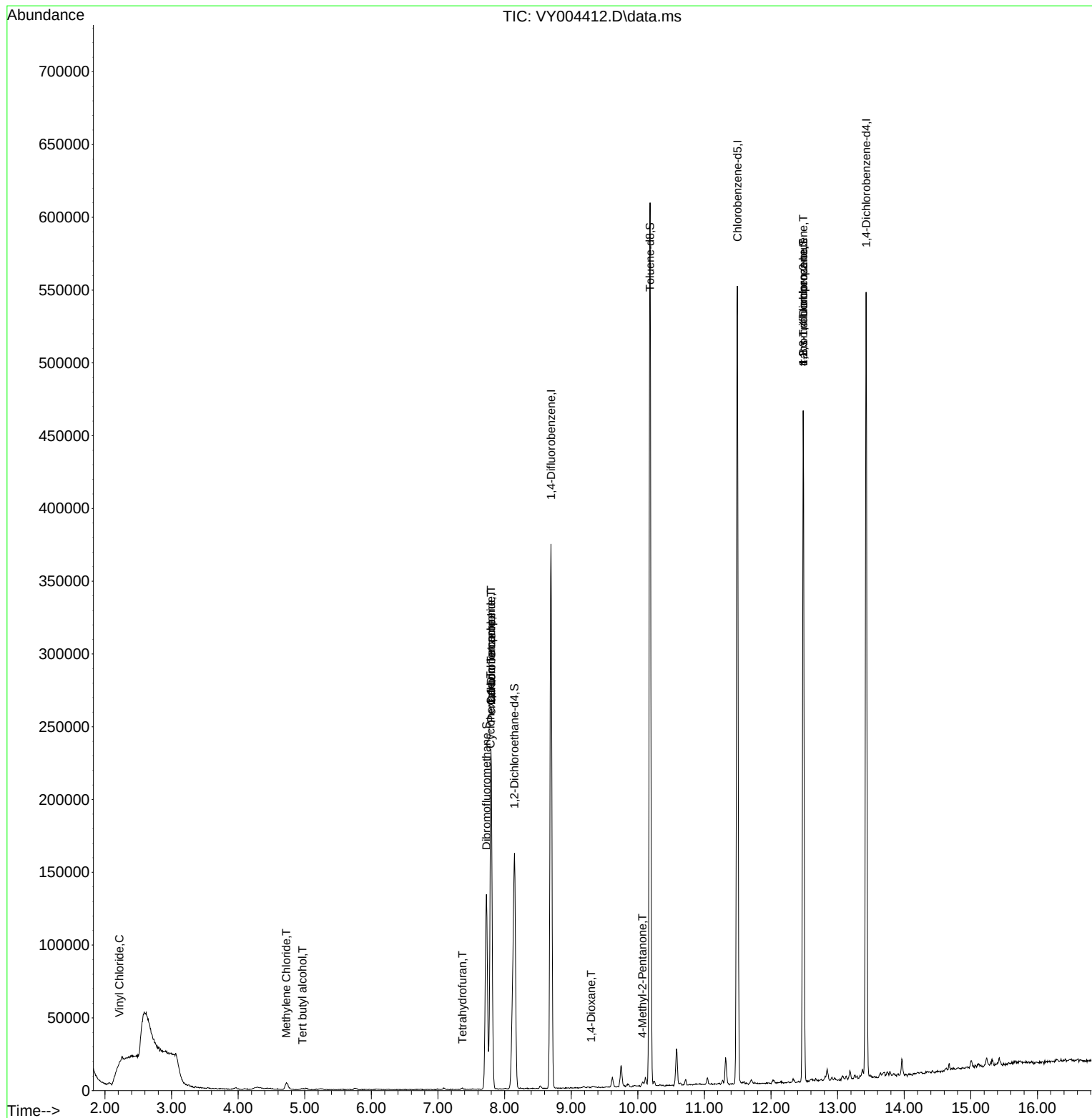
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 177236             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 304682             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 288975             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 130320             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 110058             | 55.89     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 111.78% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 92756              | 54.86     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 109.72% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 379801             | 52.81     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 105.62% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 129355             | 53.00     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 106.00% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
|                               |                |      |                    |           | Qvalue |          |
| 4) Vinyl Chloride             | 2.217          | 62   | 9255               | 3.69      | ug/l # | 43       |
| 11) Tert butyl alcohol        | 4.966          | 59   | 797                | 4.11      | ug/l # | 73       |
| 16) Acetone                   | 3.973          | 43   | 1922               | Below Cal | #      | 85       |
| 20) Methylene Chloride        | 4.722          | 84   | 3388               | 1.78      | ug/l   | 93       |
| 29) Tetrahydrofuran           | 7.368          | 42   | 674                | 1.26      | ug/l   | 93       |
| 31) Cyclohexane               | 7.789          | 56   | 4145               | 1.15      | ug/l # | 12       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 14008              | 4.63      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 17674              | 6.75      | ug/l # | 16       |
| 49) 1,4-Dioxane               | 9.301          | 88   | 41                 | 2.63      | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 10.069         | 43   | 2036               | 1.07      | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 70817              | 50.63     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 70817              | 90.57     | ug/l # | 12       |
| -----                         |                |      |                    |           |        |          |

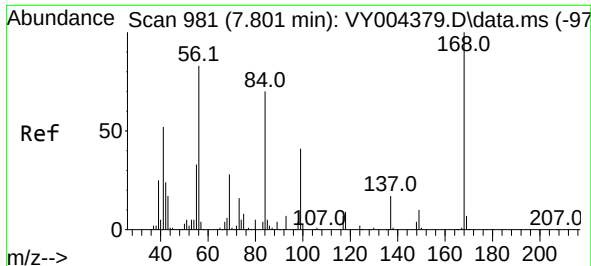
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041421\  
Data File : VY004412.D  
Acq On : 14 Apr 2021 11:04  
Operator : SY/MD  
Sample : VY0414SBL01  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

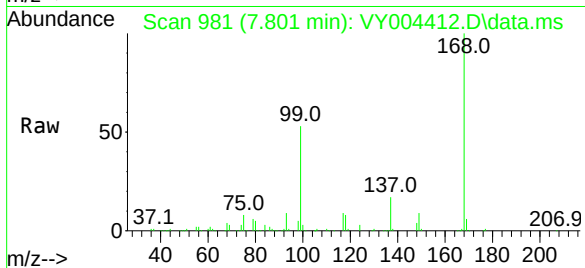
Quant Time: Apr 15 01:05:01 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 13 03:38:02 2021  
Response via : Initial Calibration



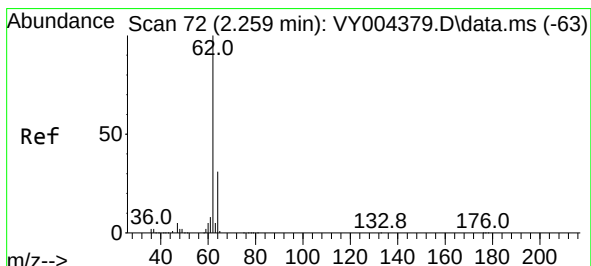
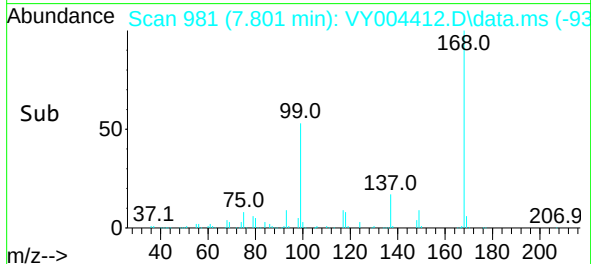
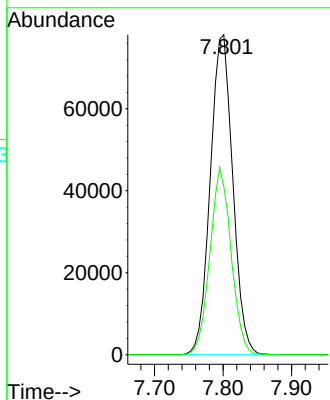


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

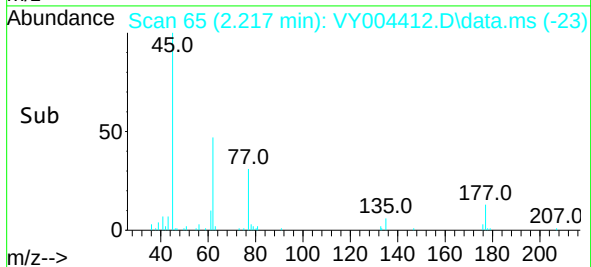
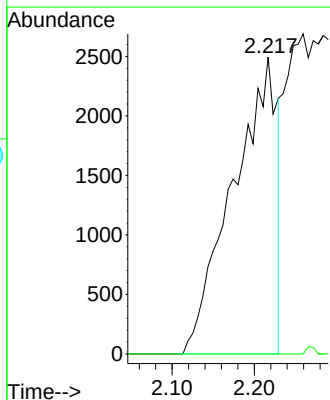
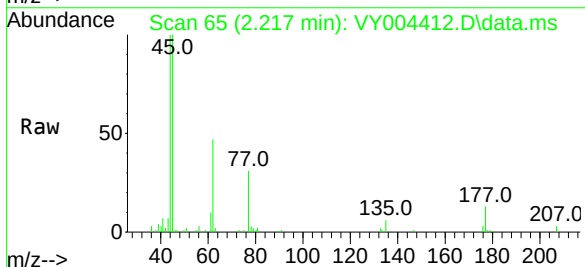


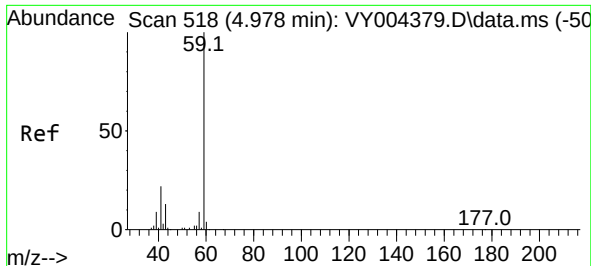
Tgt Ion:168 Resp: 177236  
Ion Ratio Lower Upper  
168 100  
99 52.6 45.5 68.3



#4  
Vinyl Chloride  
Concen: 3.69 ug/l  
RT: 2.217 min Scan# 65  
Delta R.T. -0.042 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

Tgt Ion: 62 Resp: 9255  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.1 37.7#

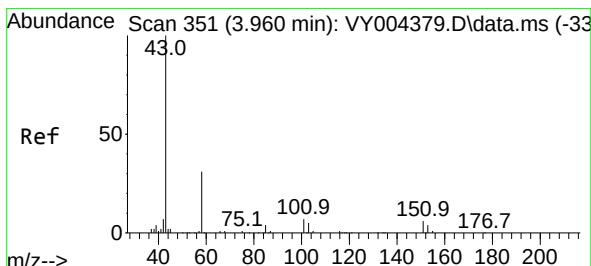
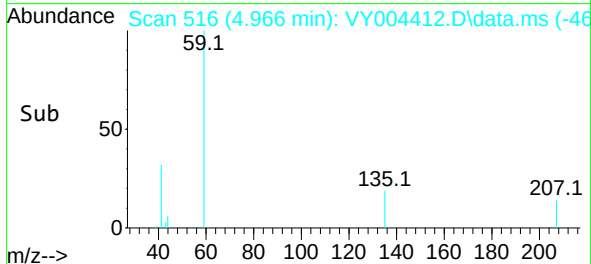
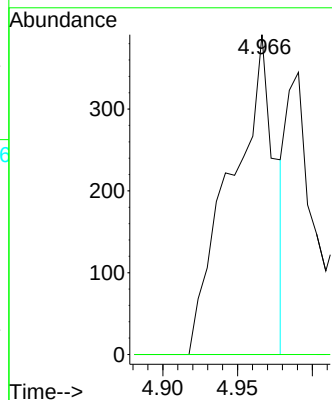
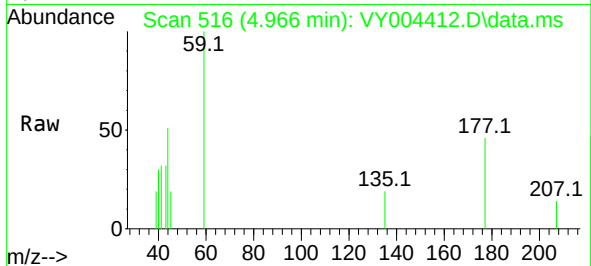




#11  
Tert butyl alcohol  
Concen: 4.11 ug/l  
RT: 4.966 min Scan# 516  
Delta R.T. -0.012 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

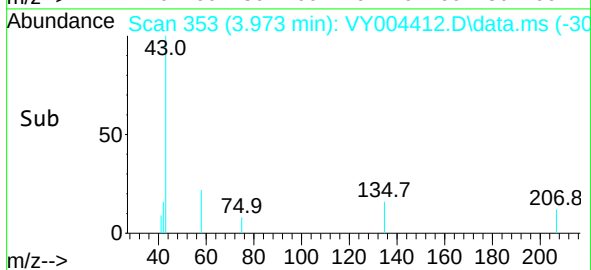
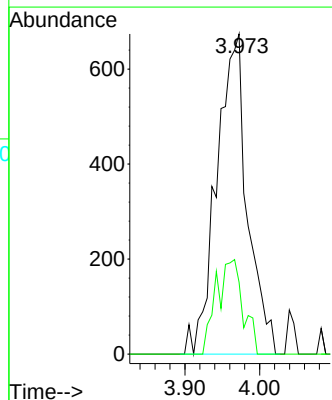
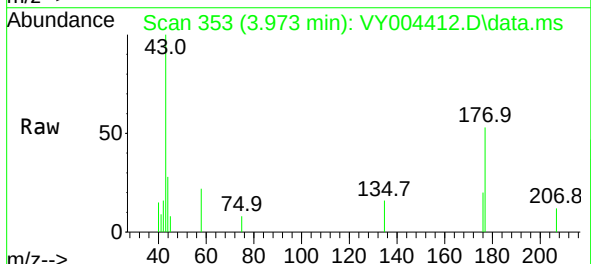
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

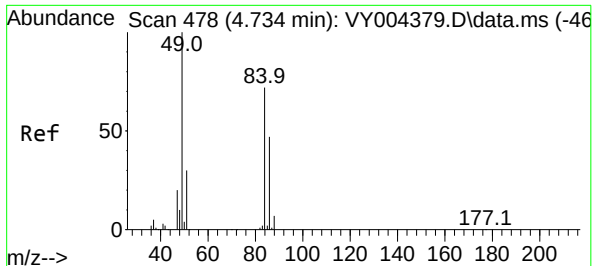
Tgt Ion: 59 Resp: 797  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#



#16  
Acetone  
Concen: Below Cal  
RT: 3.973 min Scan# 353  
Delta R.T. 0.013 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

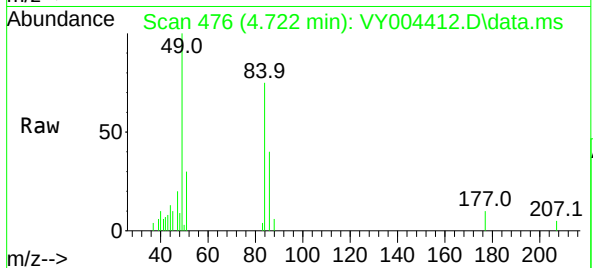
Tgt Ion: 43 Resp: 1922  
Ion Ratio Lower Upper  
43 100  
58 22.4 24.6 37.0#



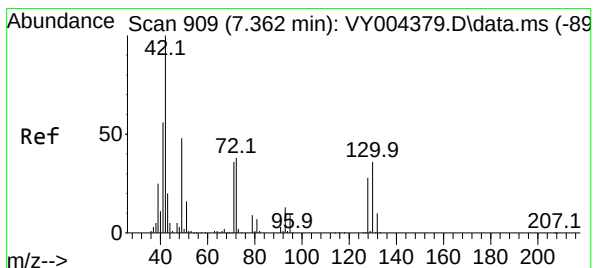
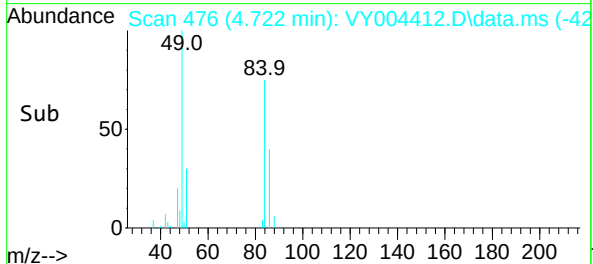
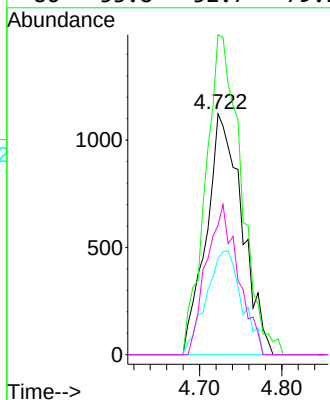


#20  
Methylene Chloride  
Concen: 1.78 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. -0.012 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

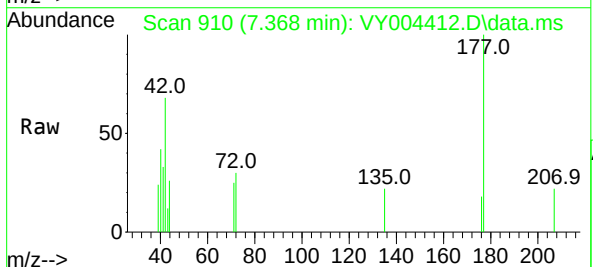
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01



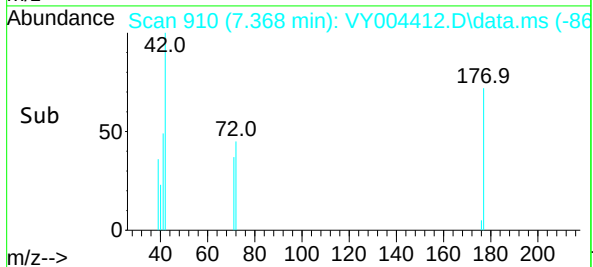
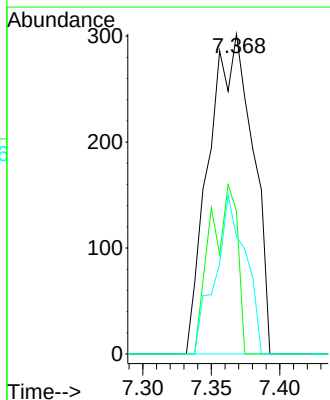
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 3388  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 132.9 | 111.2 | 166.8 |
| 51       | 39.9  | 33.4  | 50.2  |
| 86       | 53.8  | 52.7  | 79.1  |

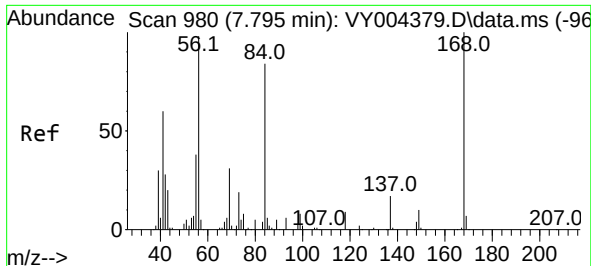


#29  
Tetrahydrofuran  
Concen: 1.26 ug/l  
RT: 7.368 min Scan# 910  
Delta R.T. 0.006 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04



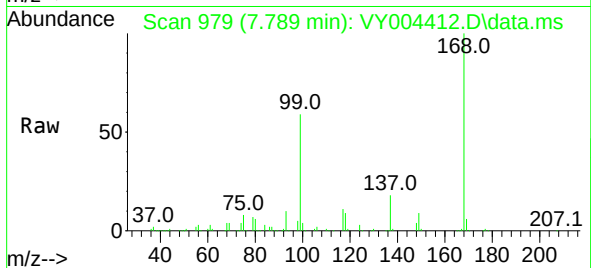
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 674   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 32.3  | 31.0  | 46.4  |
| 71       | 34.0  | 28.8  | 43.2  |



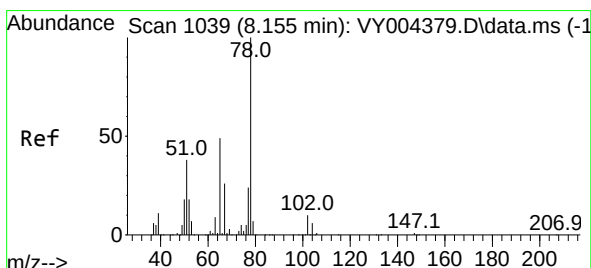
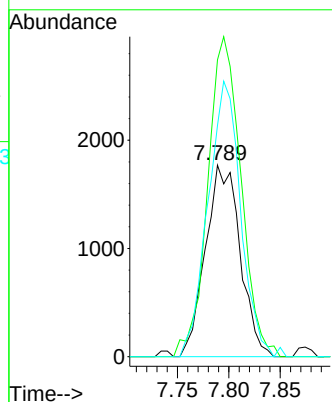
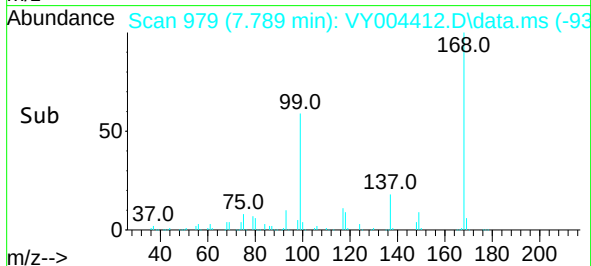


#31  
Cyclohexane  
Concen: 1.15 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

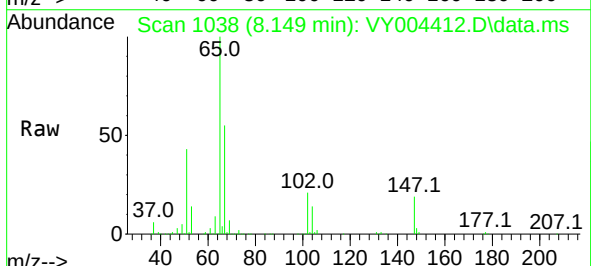
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01



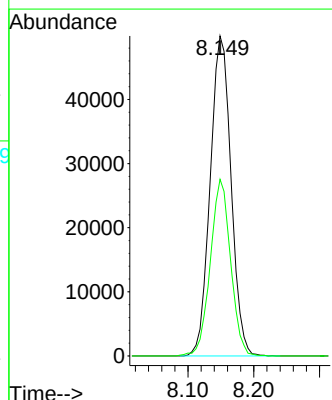
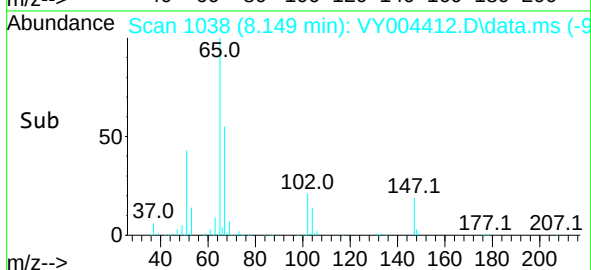
Tgt Ion: 56 Resp: 4145  
Ion Ratio Lower Upper  
56 100  
69 154.9 25.8 38.6#  
84 120.7 68.2 102.4#

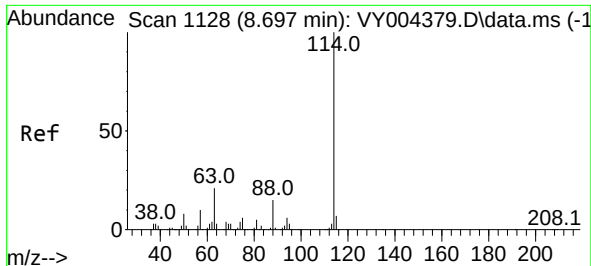


#33  
1,2-Dichloroethane-d4  
Concen: 55.89 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04



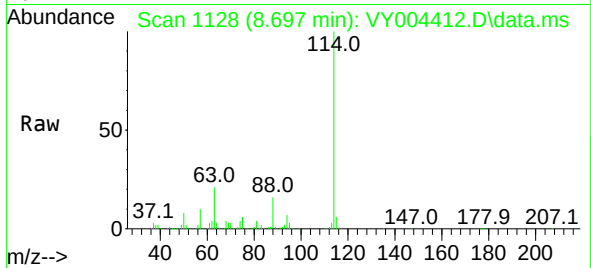
Tgt Ion: 65 Resp: 110058  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 106.4



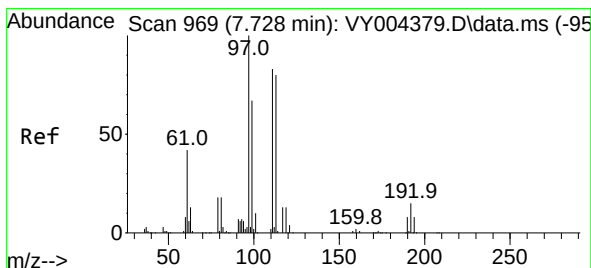
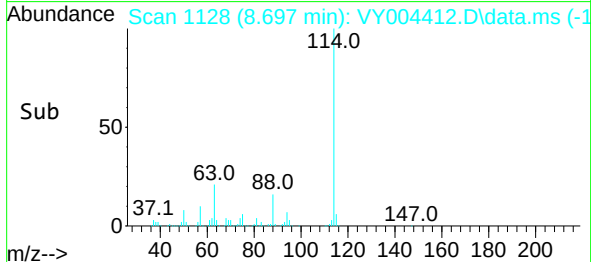
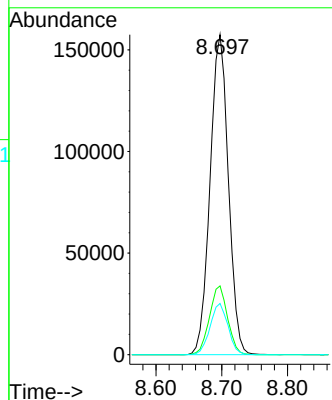


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

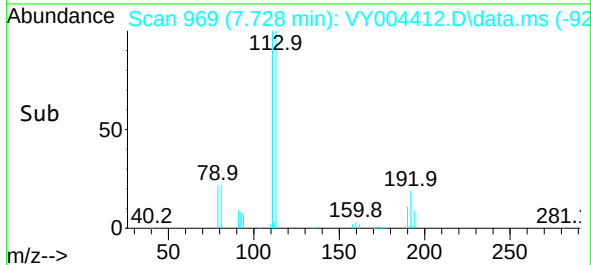
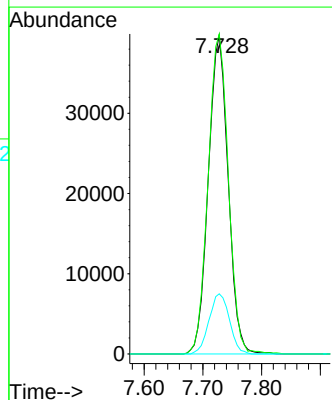
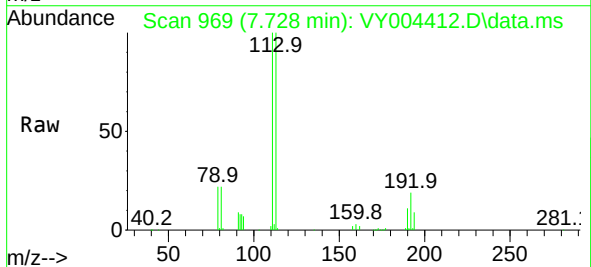


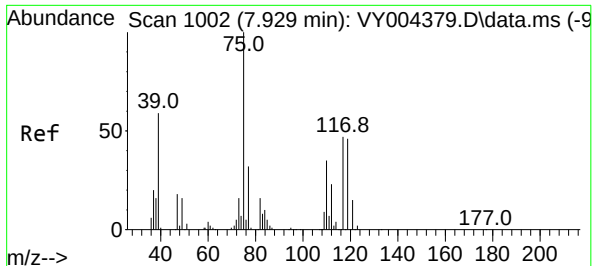
Tgt Ion:114 Resp: 304682  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 42.4  
88 16.0 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 54.86 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

Tgt Ion:113 Resp: 92756  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.6 123.8  
192 19.5 16.1 24.1





#36

1,1-Dichloropropene

Concen: 4.63 ug/l

RT: 7.795 min Scan# 980

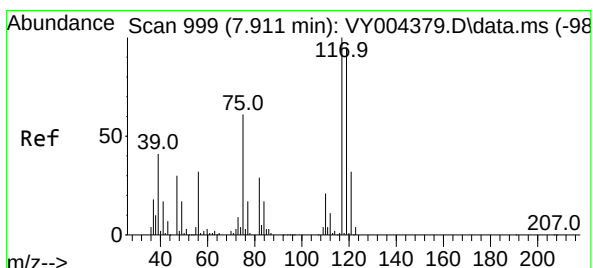
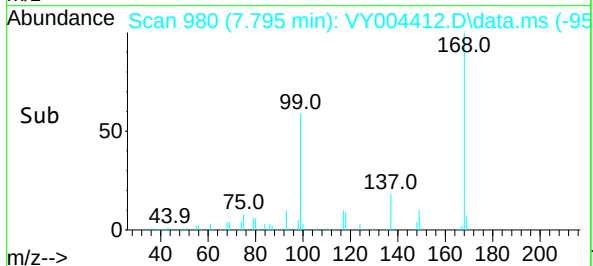
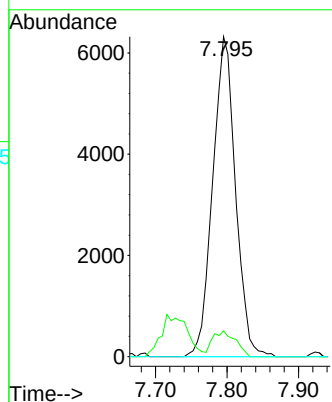
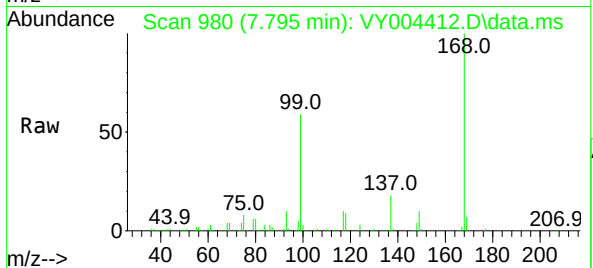
Delta R.T. -0.134 min

Lab File: VY004412.D

Acq: 14 Apr 2021 11:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 14008 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 8.0   | 17.3  | 51.7# |
| 77        | 0.0   | 24.3  | 36.5# |

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VY0414SBL01



#38

Carbon Tetrachloride

Concen: 6.75 ug/l

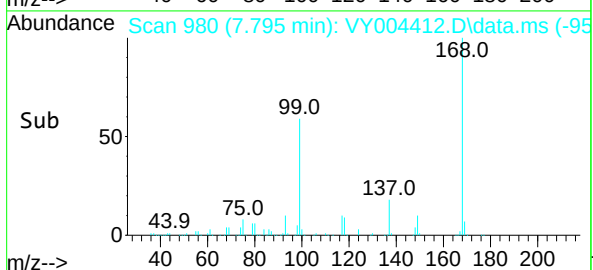
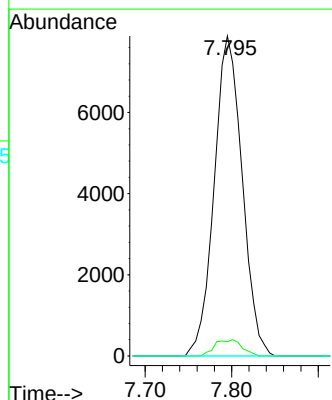
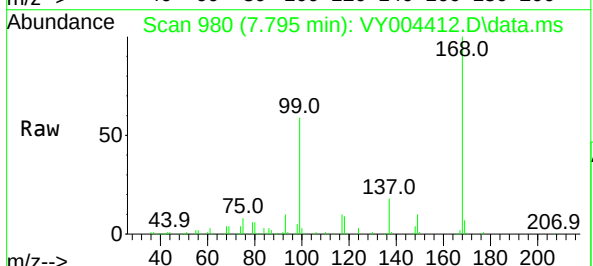
RT: 7.795 min Scan# 980

Delta R.T. -0.116 min

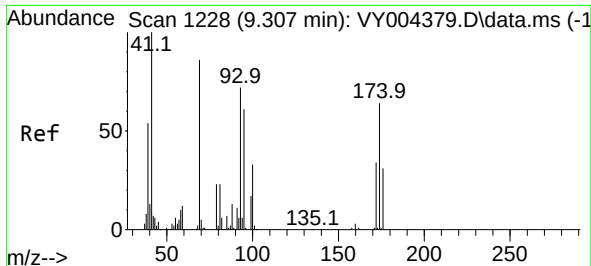
Lab File: VY004412.D

Acq: 14 Apr 2021 11:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 17674  |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 4.4   | 75.8  | 113.8# |
| 121       | 0.0   | 25.3  | 37.9#  |



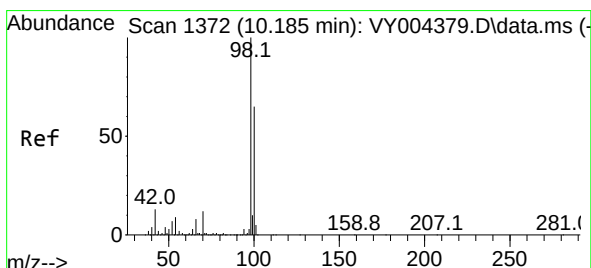
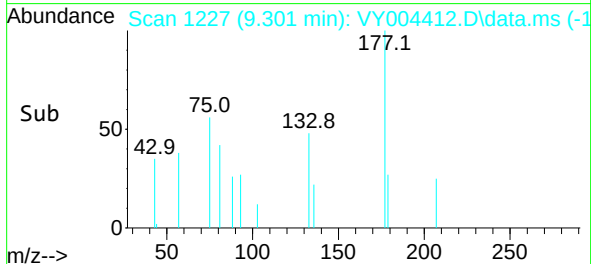
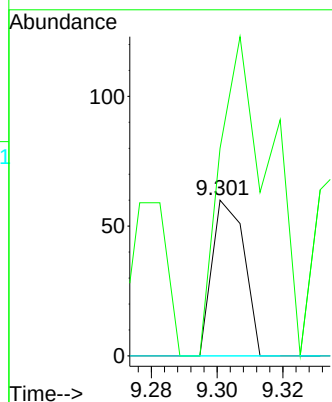
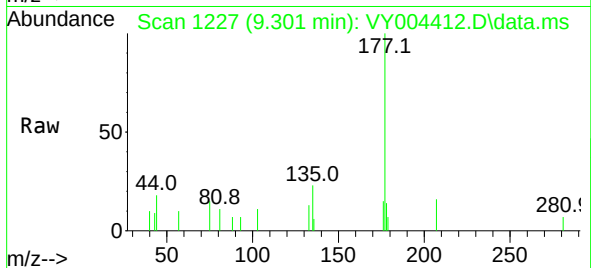




#49  
1,4-Dioxane  
Concen: 2.63 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. -0.006 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

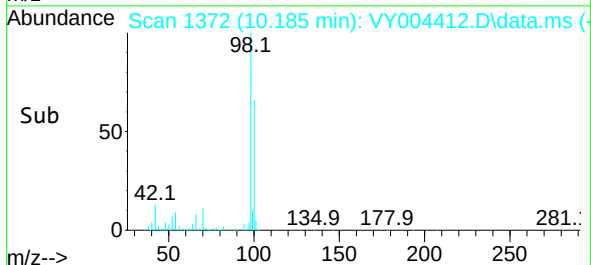
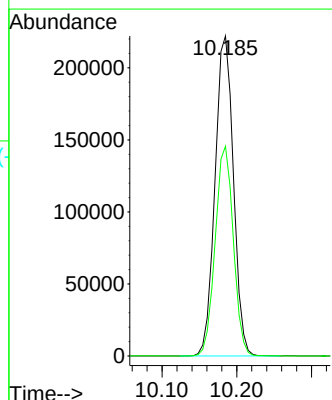
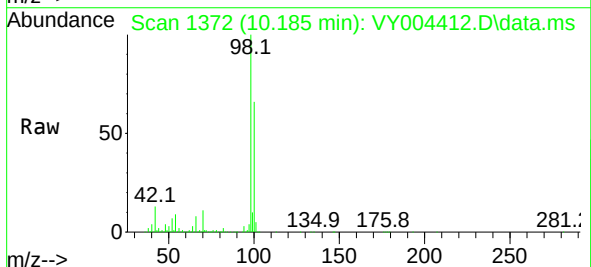
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

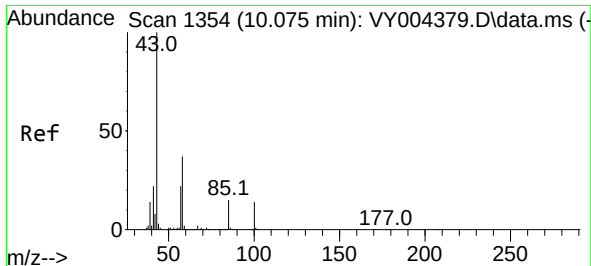
Tgt Ion: 88 Resp: 41  
Ion Ratio Lower Upper  
88 100  
43 319.5 31.7 47.5#  
58 0.0 55.7 83.5#



#50  
Toluene-d8  
Concen: 52.81 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

Tgt Ion: 98 Resp: 379801  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.8 77.6

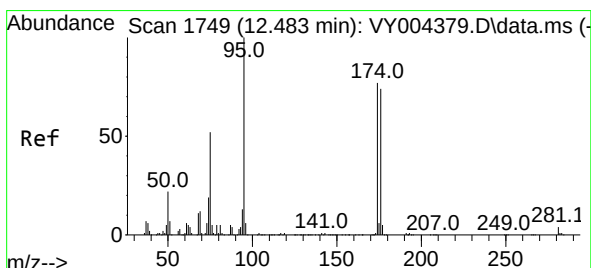
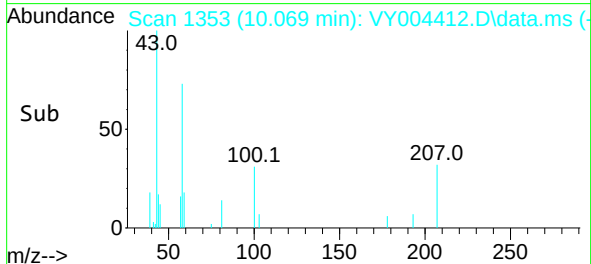
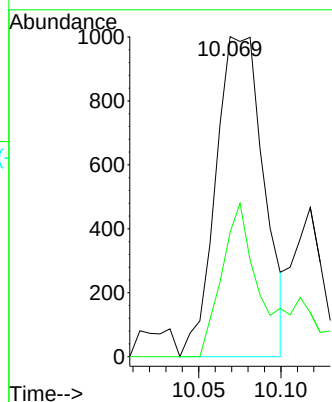
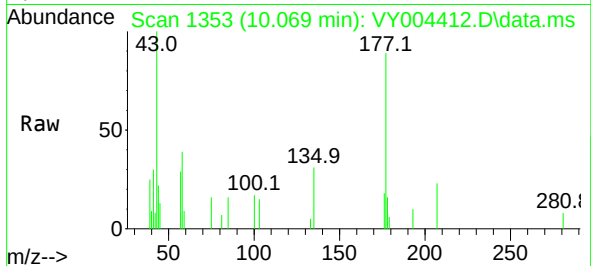




#51  
4-Methyl-2-Pentanone  
Concen: 1.07 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.006 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

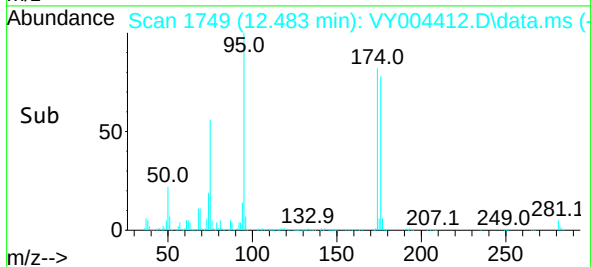
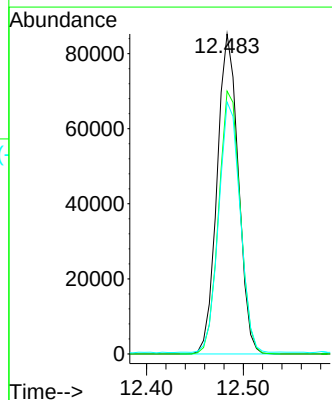
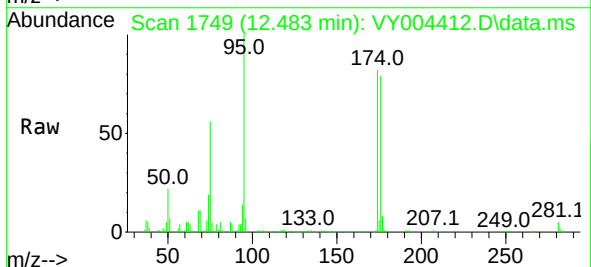
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

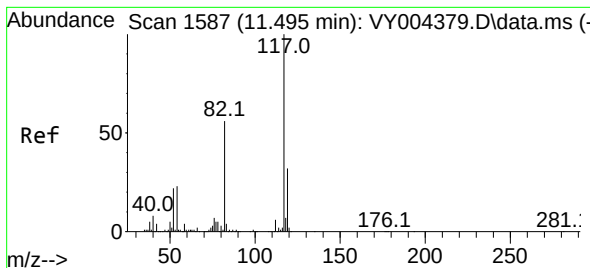
Tgt Ion: 43 Resp: 2036  
Ion Ratio Lower Upper  
43 100  
58 38.2 29.2 43.8



#62  
4-Bromofluorobenzene  
Concen: 53.00 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

Tgt Ion: 95 Resp: 129355  
Ion Ratio Lower Upper  
95 100  
174 83.2 0.0 162.4  
176 79.3 0.0 156.0

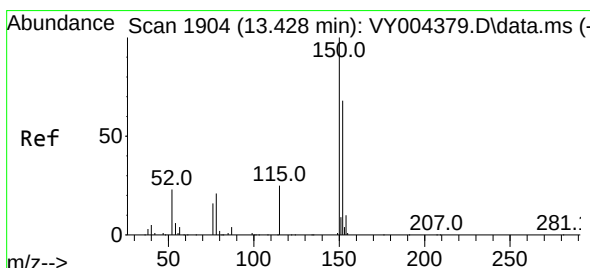
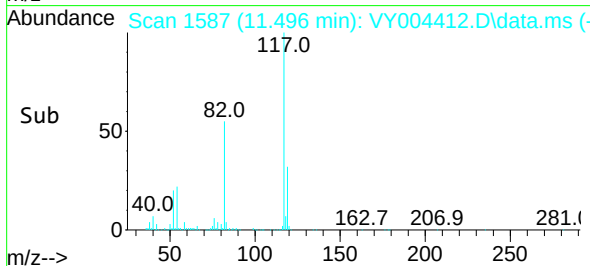
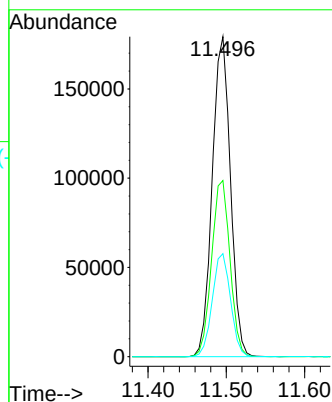
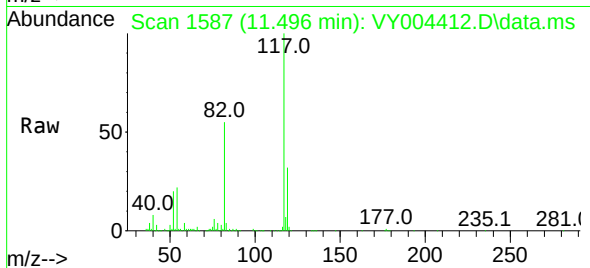




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

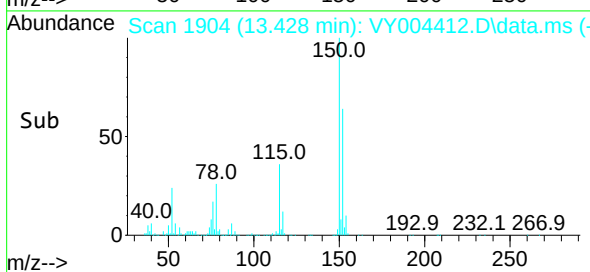
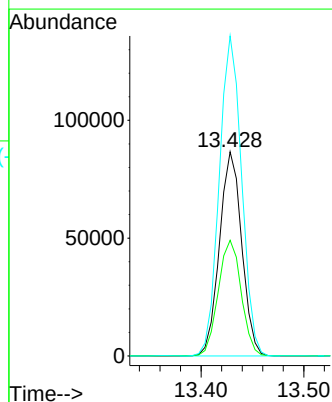
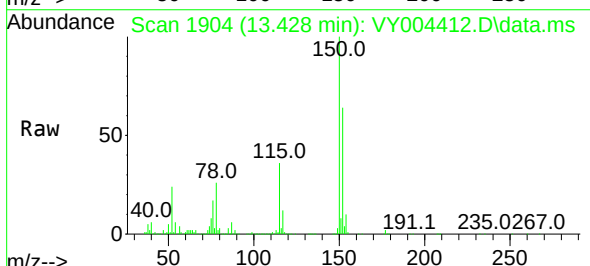
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

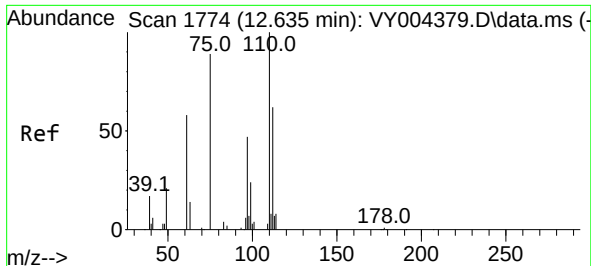
Tgt Ion:117 Resp: 288975  
Ion Ratio Lower Upper  
117 100  
82 55.0 44.9 67.3  
119 32.2 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

Tgt Ion:152 Resp: 130320  
Ion Ratio Lower Upper  
152 100  
115 58.1 29.6 88.8  
150 157.5 0.0 348.4

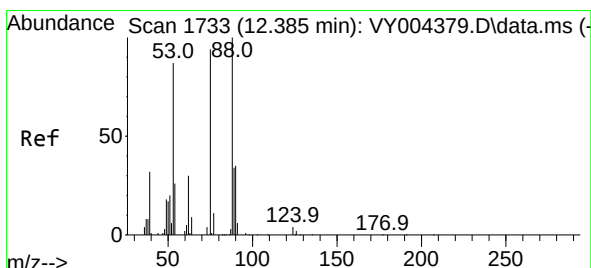
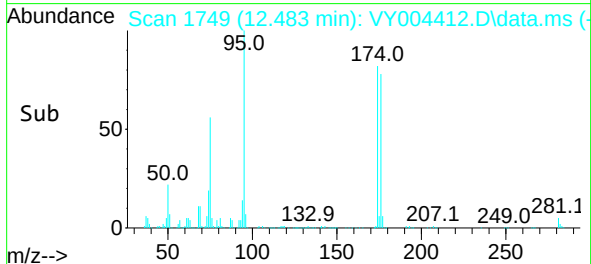
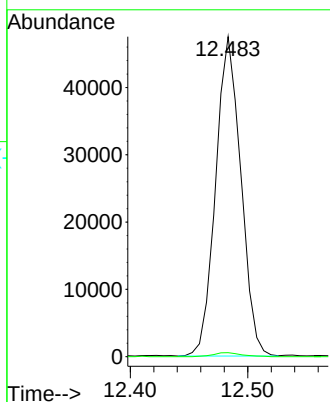
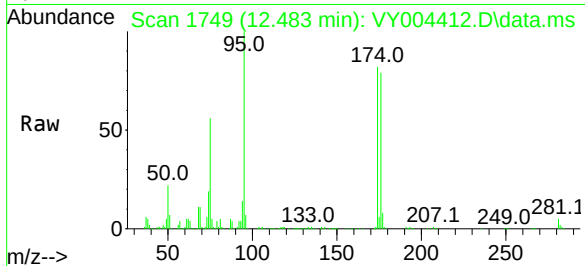




#76  
1,2,3-Trichloropropane  
Concen: 50.63 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

Tgt Ion: 75 Resp: 70817  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.57 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.098 min  
Lab File: VY004412.D  
Acq: 14 Apr 2021 11:04

Tgt Ion: 75 Resp: 70817  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.0 112.6#  
89 0.5 36.1 54.1#

