

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101822\  
 Data File : VY010989.D  
 Acq On : 18 Oct 2022 12:36  
 Operator : KP/MD  
 Sample : N5135-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OK-1-101322RE

Quant Time: Oct 18 17:02:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

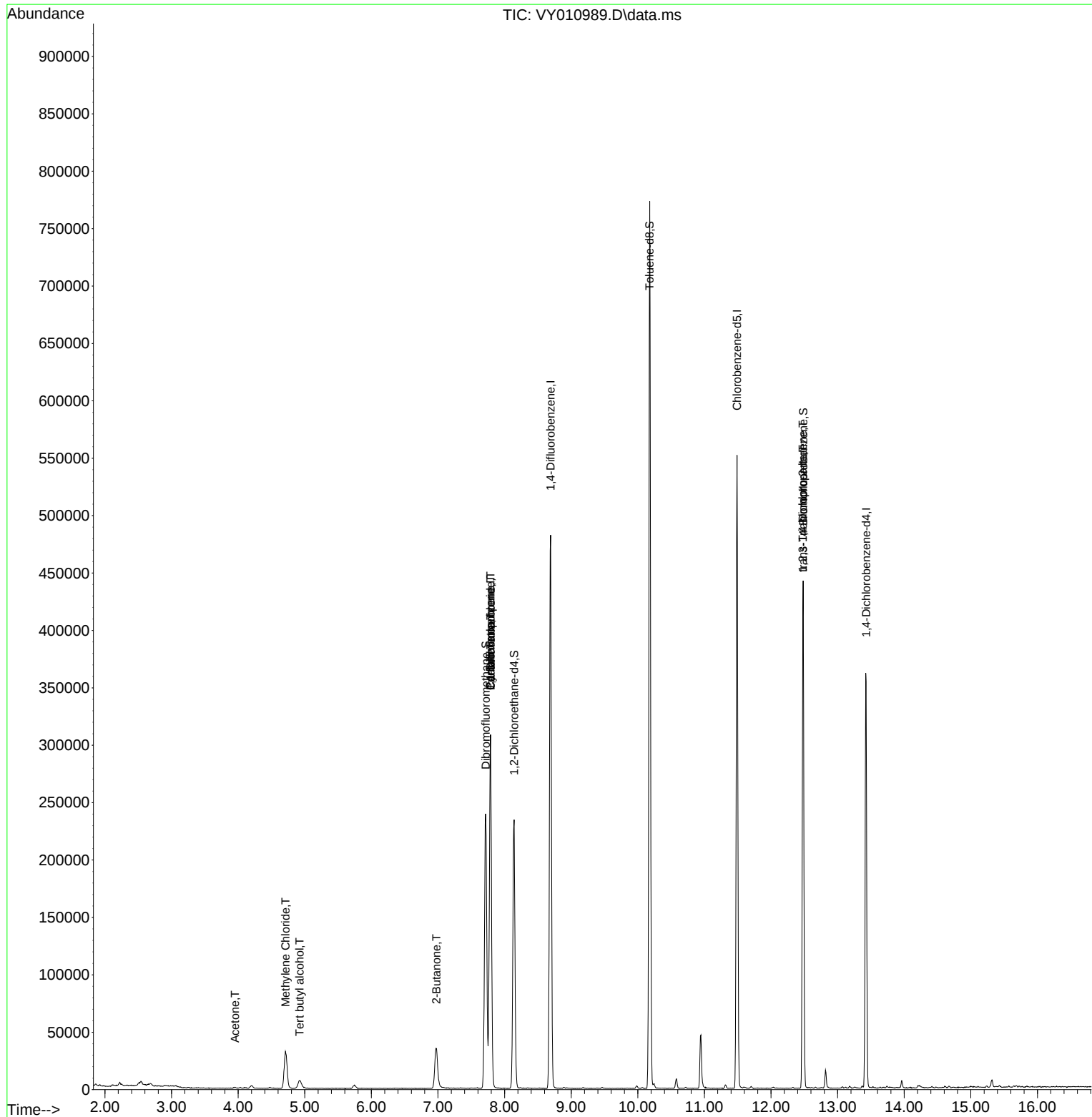
| Compound                      | R.T. QIon |                | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-------------|--------|----------|
| -----                         |           |                |          |             |        |          |
| Internal Standards            |           |                |          |             |        |          |
| 1) Pentafluorobenzene         | 7.789     | 168            | 240313   | 50.000      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114            | 424823   | 50.000      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117            | 304499   | 50.000      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152            | 96709    | 50.000      | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |             |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65             | 176517   | 79.741      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 50 - 163 | Recovery | = 159.480%  |        |          |
| 35) Dibromofluoromethane      | 7.715     | 113            | 176048   | 75.439      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 54 - 147 | Recovery | = 150.880%# |        |          |
| 50) Toluene-d8                | 10.178    | 98             | 507941   | 57.263      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 49 - 140 | Recovery | = 114.520%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95             | 135852   | 42.793      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 25 - 144 | Recovery | = 85.580%   |        |          |
| Target Compounds              |           |                |          |             |        |          |
| 11) Tert butyl alcohol        | 4.923     | 59             | 7976     | 11.287      | ug/l # | 79       |
| 16) Acetone                   | 3.954     | 43             | 1469     | 2.285       | ug/l # | 81       |
| 18) Methyl Acetate            | 4.472     | 43             | 1304     | Below Cal   |        | 94       |
| 20) Methylene Chloride        | 4.710     | 84             | 25172    | 3.054       | ug/l   | 87       |
| 25) 2-Butanone                | 6.978     | 43             | 2163     | 2.219       | ug/l   | 96       |
| 31) Cyclohexane               | 7.789     | 56             | 4647     | 1.097       | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789     | 75             | 18272    | 4.620       | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.789     | 117            | 23394    | 5.731       | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75             | 68287    | 62.195      | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75             | 68287    | 133.763     | ug/l # | 7        |
| -----                         |           |                |          |             |        |          |

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

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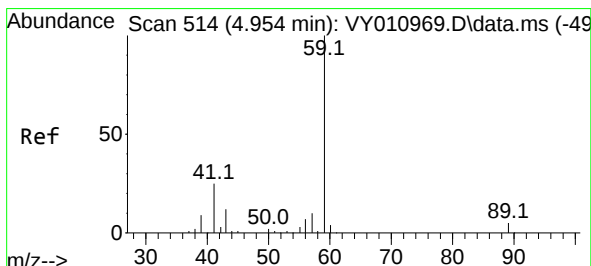
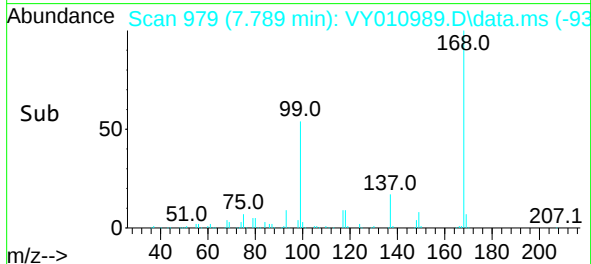
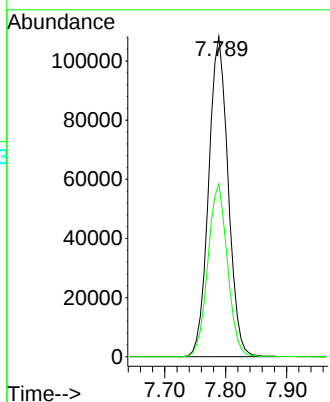
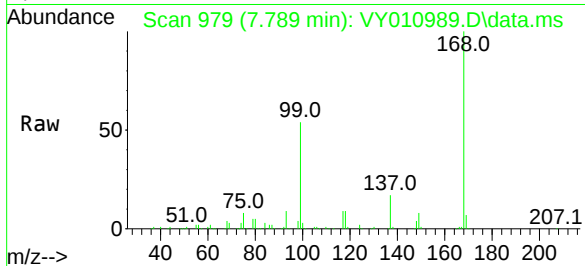




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

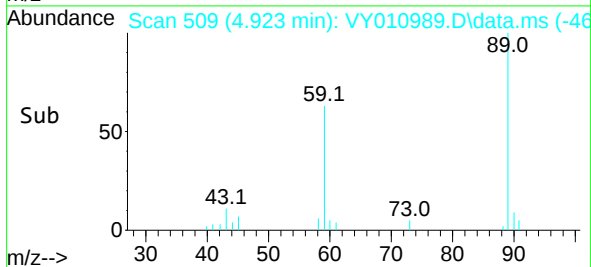
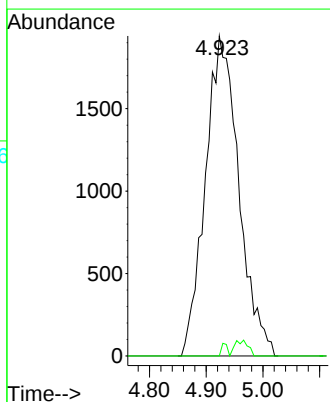
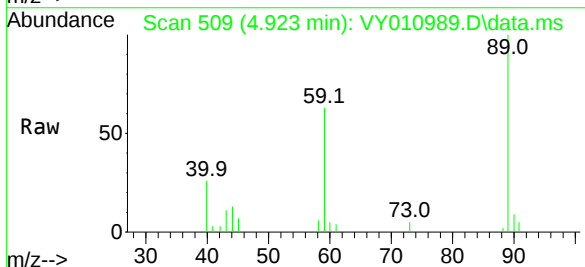
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-1-101322RE

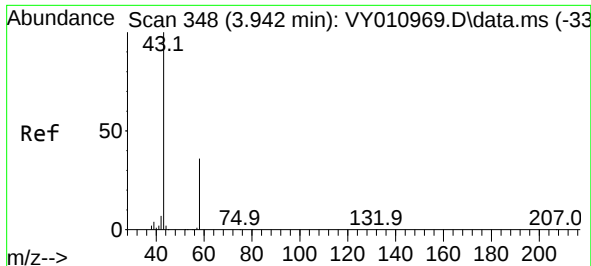
Tgt Ion:168 Resp: 240313  
Ion Ratio Lower Upper  
168 100  
99 54.0 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 11.287 ug/l  
RT: 4.923 min Scan# 509  
Delta R.T. -0.031 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

Tgt Ion: 59 Resp: 7976  
Ion Ratio Lower Upper  
59 100  
57 0.7 6.4 9.6#

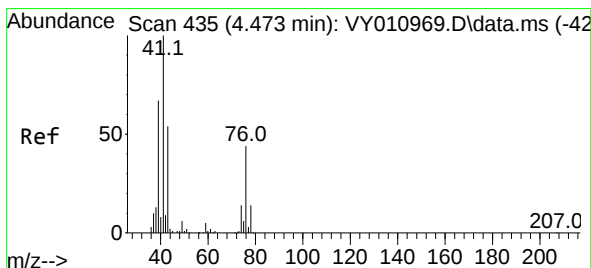
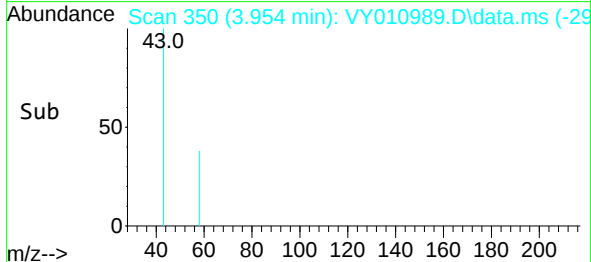
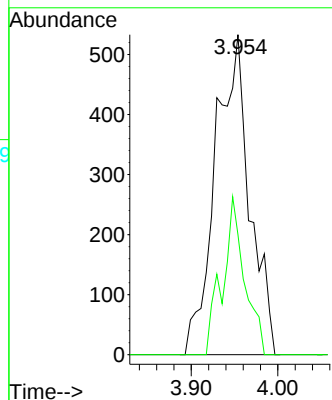
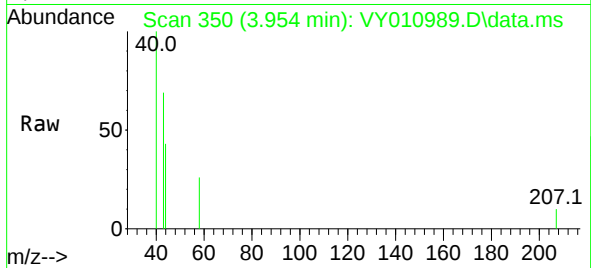




#16  
Acetone  
Concen: 2.285 ug/l  
RT: 3.954 min Scan# 316  
Delta R.T. 0.012 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

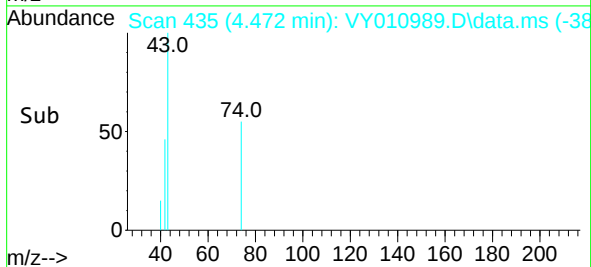
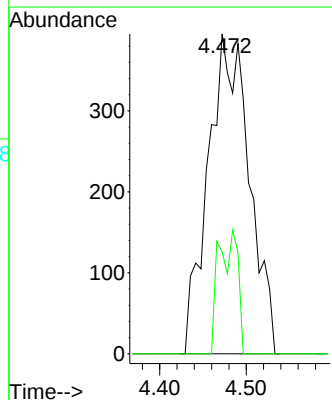
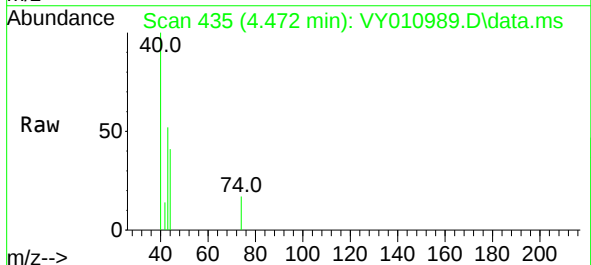
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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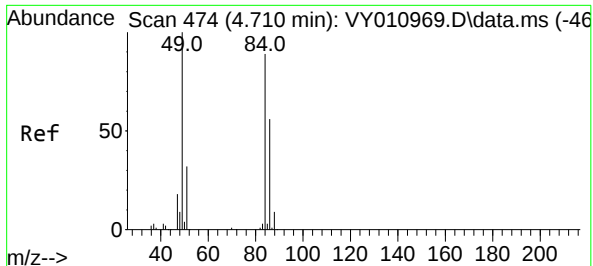
Tgt Ion: 43 Resp: 1469  
Ion Ratio Lower Upper  
43 100  
58 37.5 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.472 min Scan# 435  
Delta R.T. -0.001 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

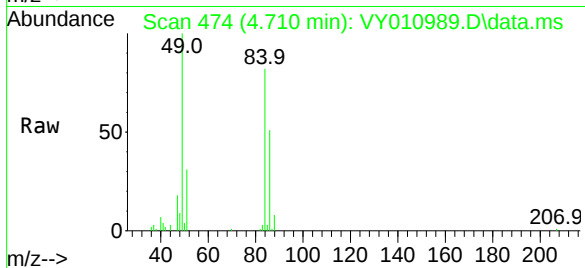
Tgt Ion: 43 Resp: 1304  
Ion Ratio Lower Upper  
43 100  
74 18.0 16.6 24.8



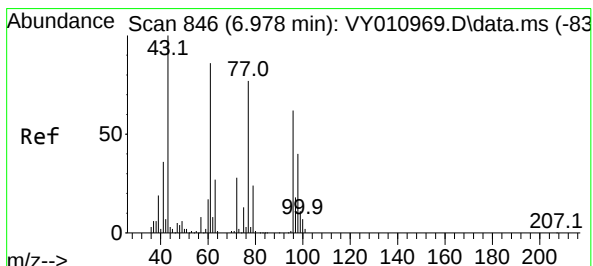
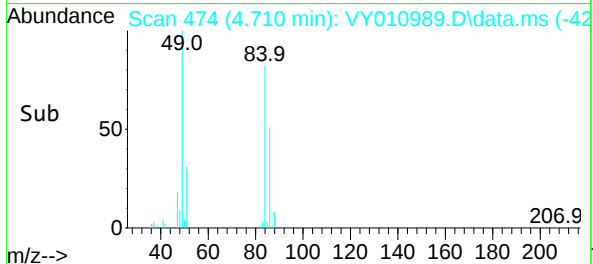
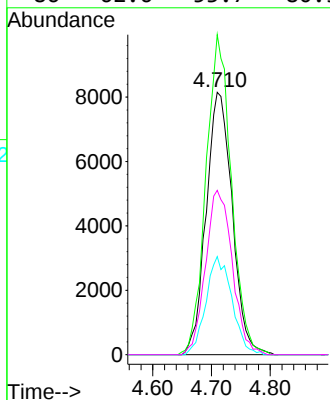


#20  
Methylene Chloride  
Concen: 3.054 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-1-101322RE

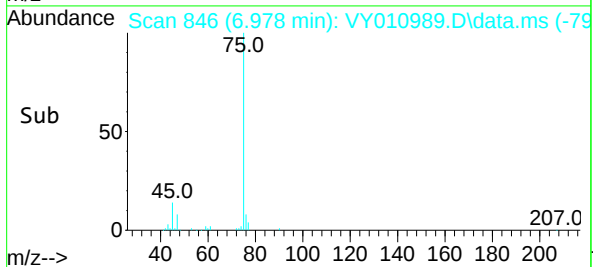
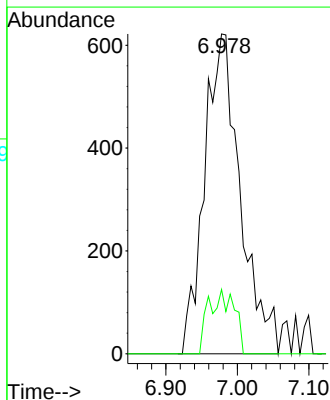
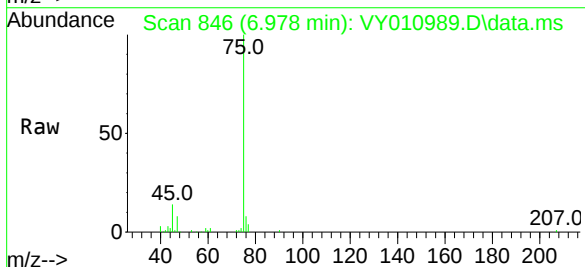


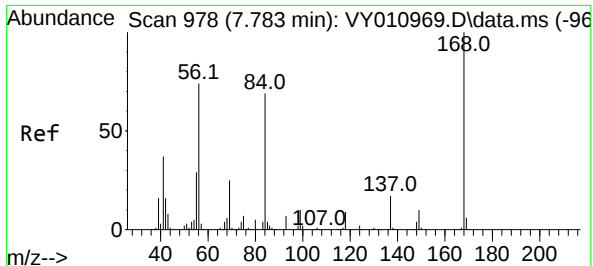
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 25172 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 121.9 | 114.4 | 171.6 |
| 51       | 37.4  | 35.3  | 52.9  |
| 86       | 62.6  | 53.7  | 80.5  |



#25  
2-Butanone  
Concen: 2.219 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2163  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 20.1  | 17.7  | 26.5  |

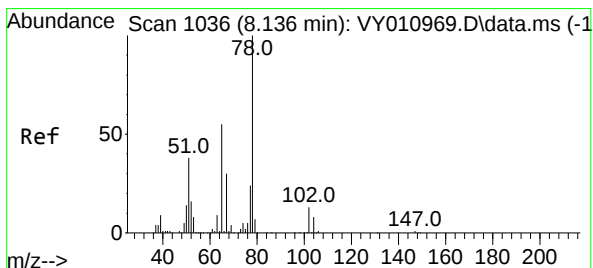
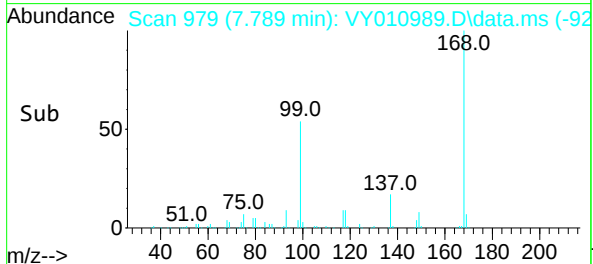
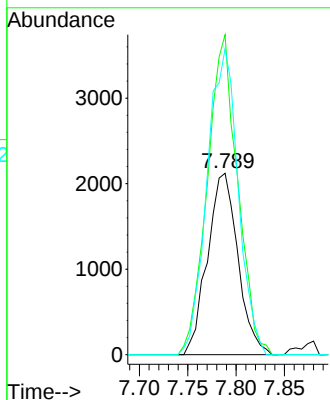
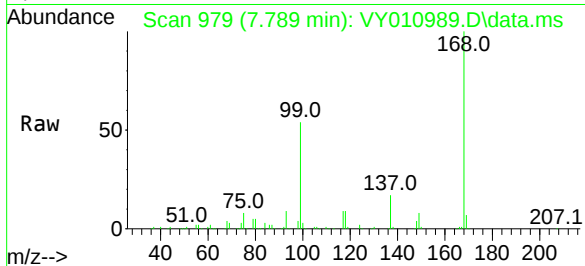




#31  
Cyclohexane  
Concen: 1.097 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

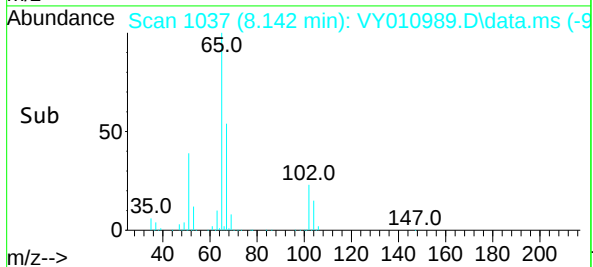
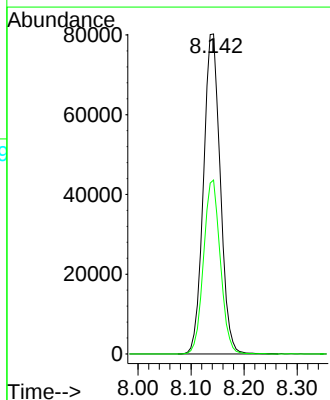
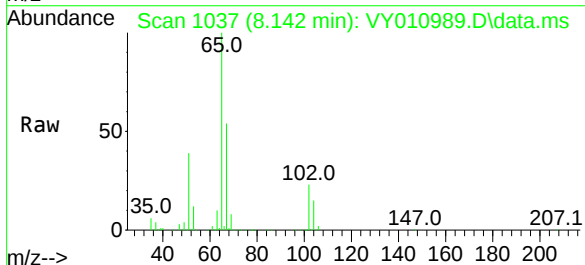
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-1-101322RE

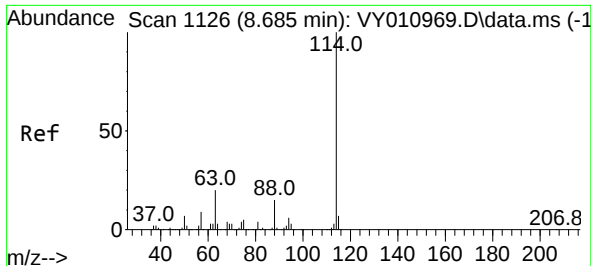
Tgt Ion: 56 Resp: 4647  
Ion Ratio Lower Upper  
56 100  
69 176.3 26.7 40.1#  
84 168.6 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 79.741 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

Tgt Ion: 65 Resp: 176517  
Ion Ratio Lower Upper  
65 100  
67 54.2 0.0 99.4

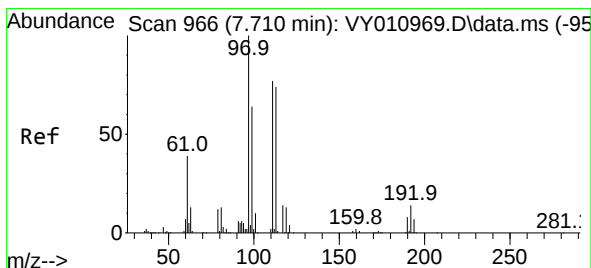
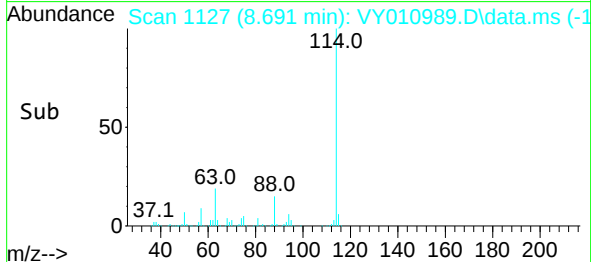
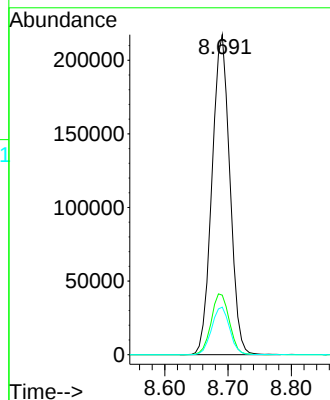
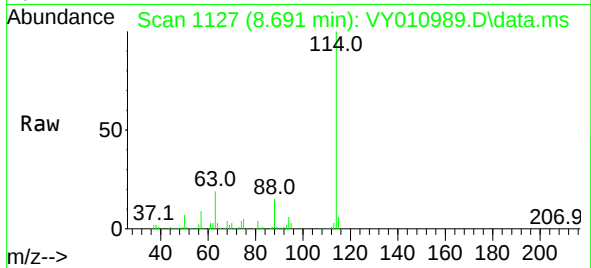




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

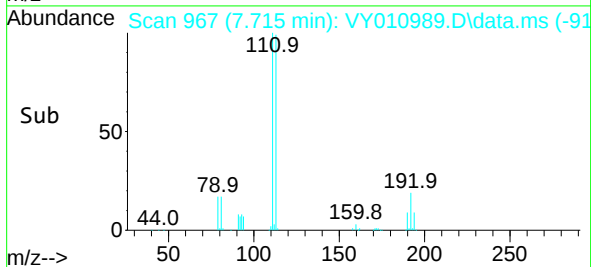
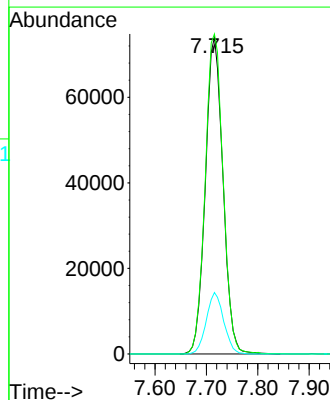
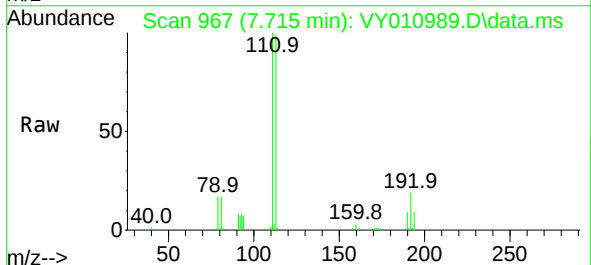
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-1-101322RE

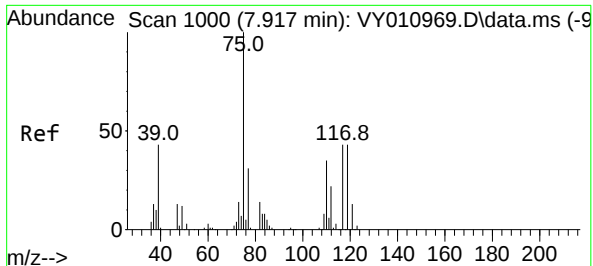
Tgt Ion:114 Resp: 424823  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 43.2  
88 14.9 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 75.439 ug/l  
RT: 7.715 min Scan# 967  
Delta R.T. 0.005 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

Tgt Ion:113 Resp: 176048  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.6 124.0  
192 19.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.620 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010989.D

Acq: 18 Oct 2022 12:36

Instrument :

MSVOA\_Y

ClientSampleId :

OK-1-101322RE

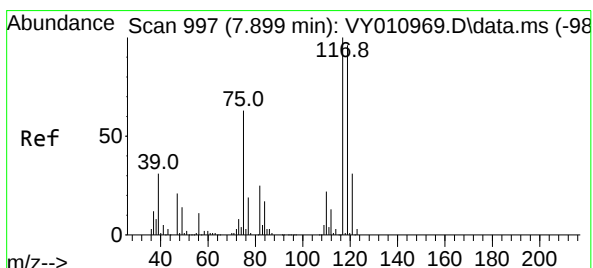
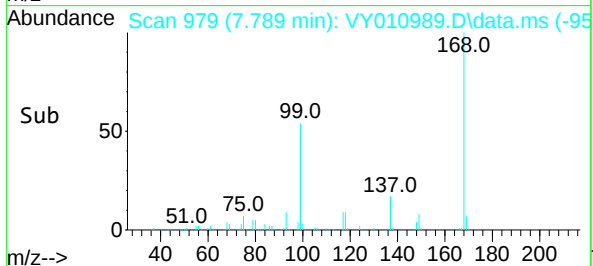
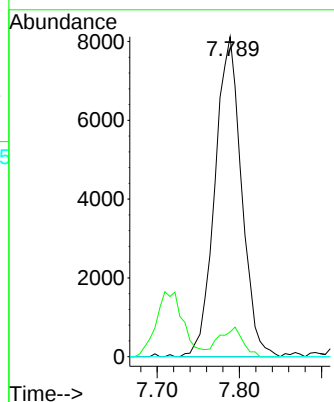
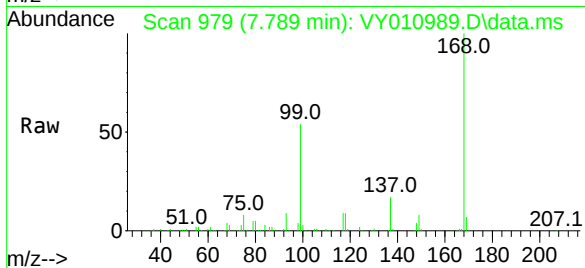
Tgt Ion: 75 Resp: 18272

Ion Ratio Lower Upper

75 100

110 8.3 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.731 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010989.D

Acq: 18 Oct 2022 12:36

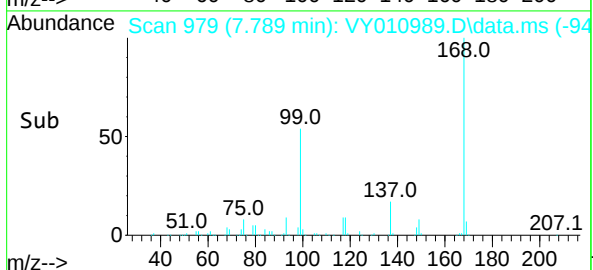
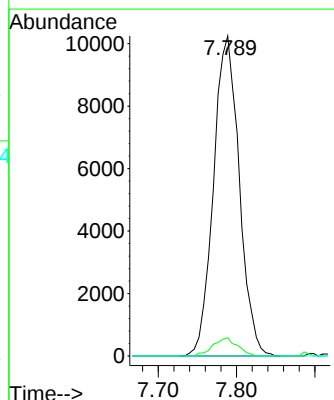
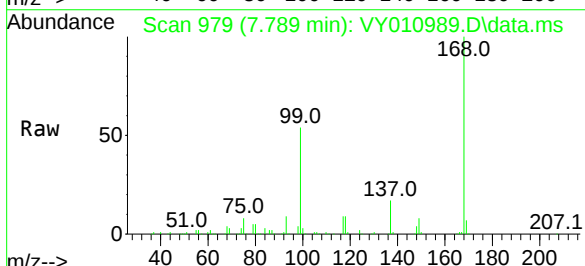
Tgt Ion: 117 Resp: 23394

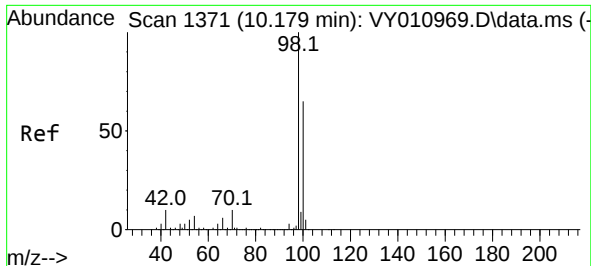
Ion Ratio Lower Upper

117 100

119 5.7 77.9 116.9#

121 0.0 24.8 37.2#

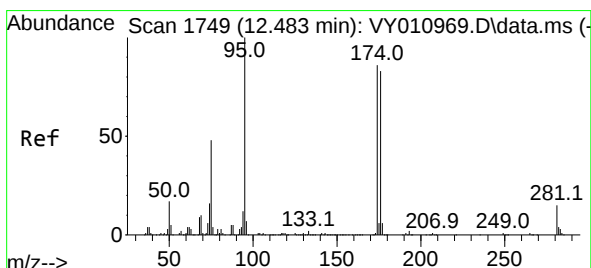
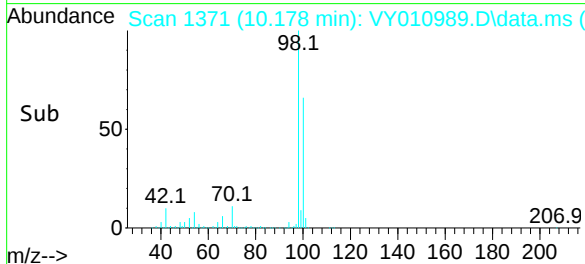
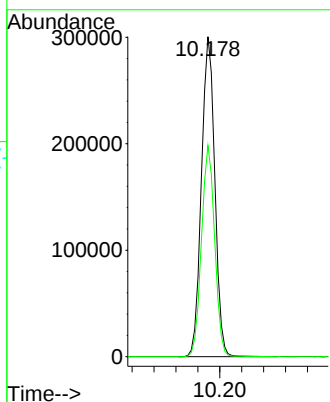
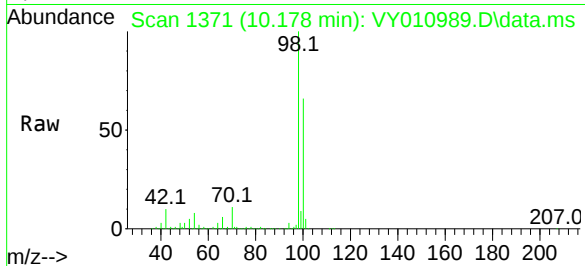




#50  
Toluene-d8  
Concen: 57.263 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

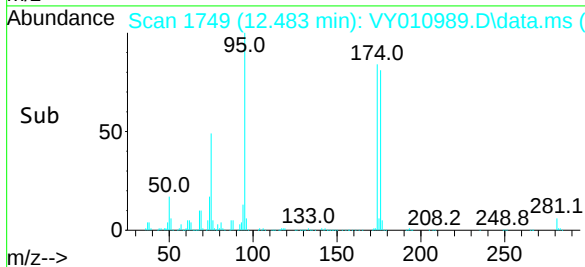
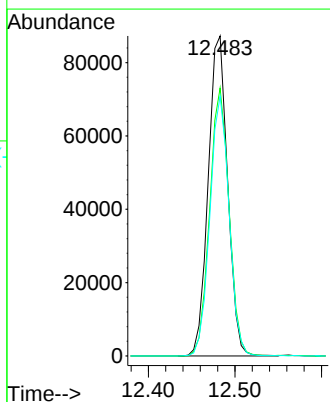
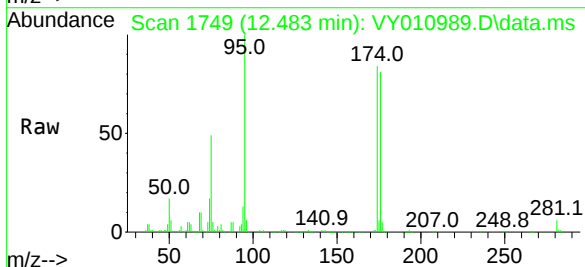
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-1-101322RE

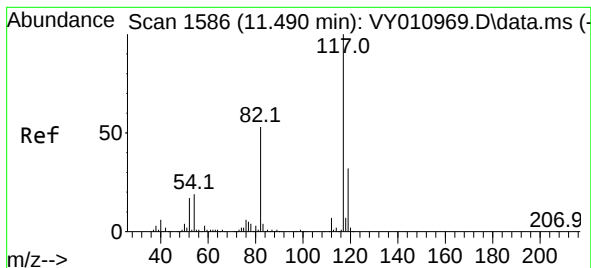
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Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 42.793 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

Tgt Ion: 95 Resp: 135852  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 177.0  
176 80.2 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY010989.D

Acq: 18 Oct 2022 12:36

Instrument :

MSVOA\_Y

ClientSampleId :

OK-1-101322RE

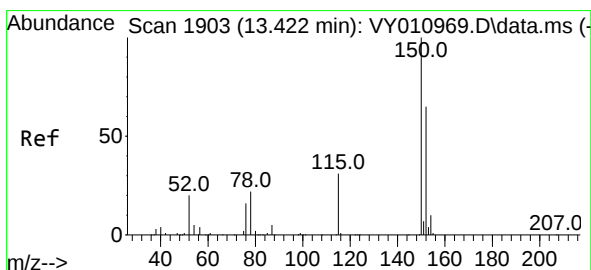
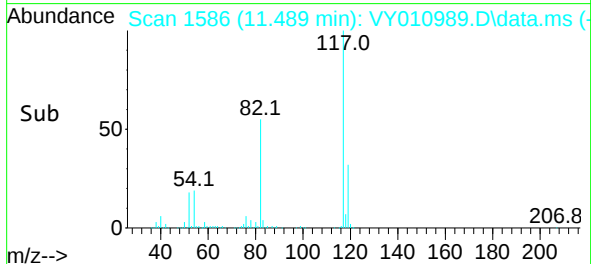
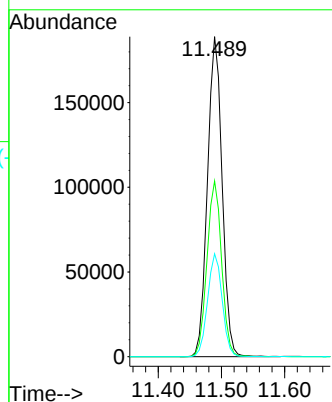
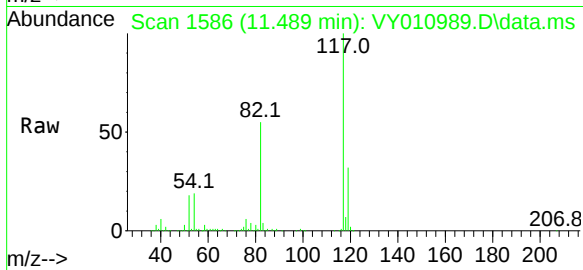
Tgt Ion:117 Resp: 304499

Ion Ratio Lower Upper

117 100

82 54.9 43.0 64.4

119 32.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY010989.D

Acq: 18 Oct 2022 12:36

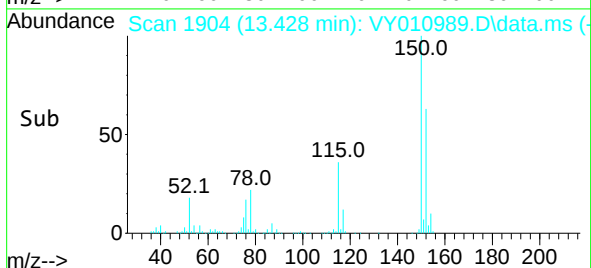
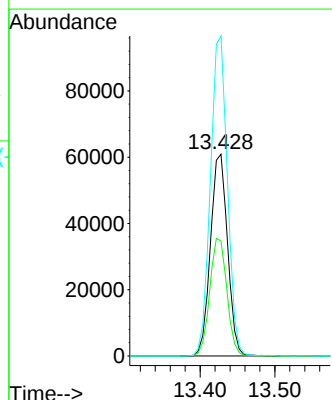
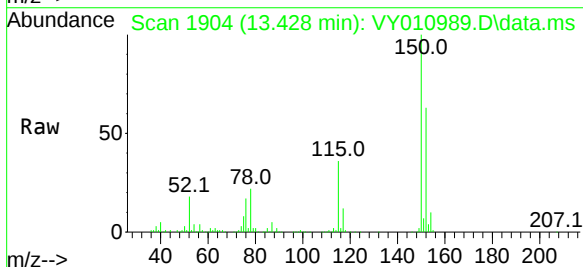
Tgt Ion:152 Resp: 96709

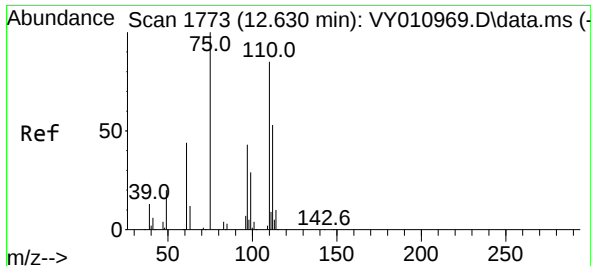
Ion Ratio Lower Upper

152 100

115 58.4 28.2 84.7

150 157.2 0.0 347.6

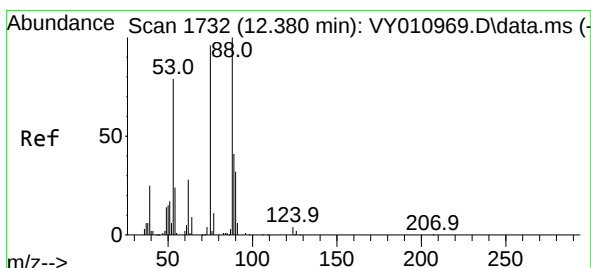
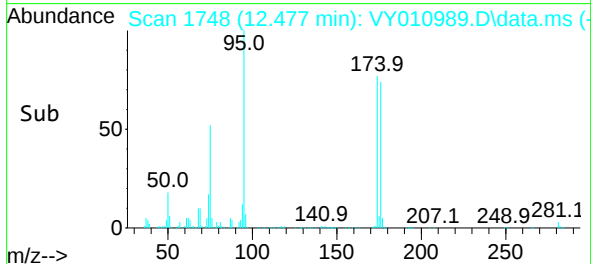
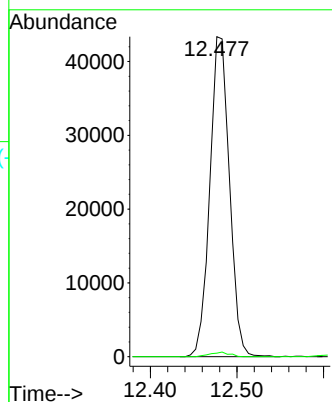
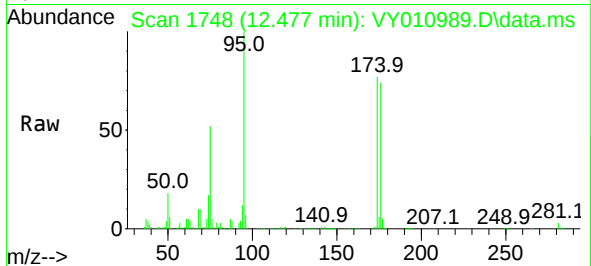




#76  
1,2,3-Trichloropropane  
Concen: 62.195 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-1-101322RE

Tgt Ion: 75 Resp: 68287  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 133.763 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.097 min  
Lab File: VY010989.D  
Acq: 18 Oct 2022 12:36

Tgt Ion: 75 Resp: 68287  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.1 37.0 55.4#

