

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040521\  
 Data File : VY004276.D  
 Acq On : 05 Apr 2021 11:42  
 Operator : SY/MD  
 Sample : VY0405SBL01  
 Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0405SBL01

Quant Time: Apr 05 15:18:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 30 06:38:14 2021  
 Response via : Initial Calibration

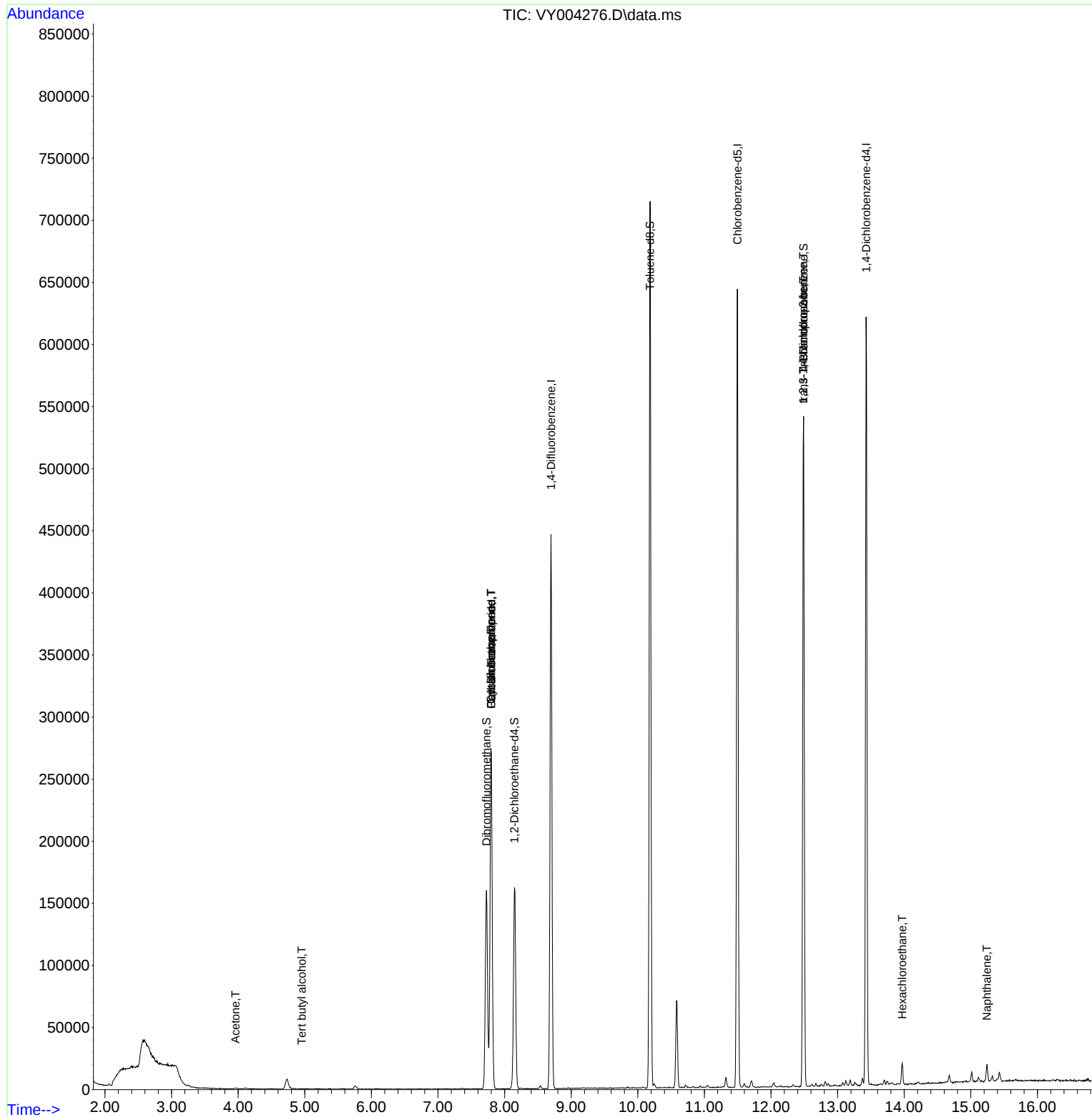
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 213946             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 368619             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.495         | 117  | 338817             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 151716             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 126966             | 61.73     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 123.46% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 110830             | 53.96     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 107.92% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 446279             | 57.77     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 115.54% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.489         | 95   | 149728             | 56.55     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 113.10% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.954          | 59   | 339                | 2.03      | ug/l # | 71       |
| 13) Acrolein                  | 3.753          | 56   | 162                | Below Cal | #      | 47       |
| 16) Acetone                   | 3.960          | 43   | 1221               | 2.85      | ug/l   | 96       |
| 31) Cyclohexane               | 7.795          | 56   | 4798               | 1.32      | ug/l # | 20       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 16812              | 5.00      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 21483              | 7.34      | ug/l # | 16       |
| 49) 1,4-Dioxane               | 9.301          | 88   | 35                 | Below Cal | #      | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 82139              | 59.62     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 82139              | 109.88    | ug/l # | 10       |
| 90) Hexachloroethane          | 13.971         | 117  | 164                | 7.44      | ug/l # | 12       |
| 95) Naphthalene               | 15.239         | 128  | 10399              | 1.59      | ug/l   | 100      |
| -----                         |                |      |                    |           |        |          |

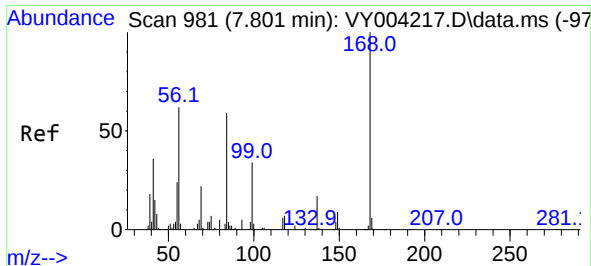
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040521\  
Data File : VY004276.D  
Acq On : 05 Apr 2021 11:42  
Operator : SY/MD  
Sample : VY0405SBL01  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0405SBL01

Quant Time: Apr 05 15:18:57 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 30 06:38:14 2021  
Response via : Initial Calibration

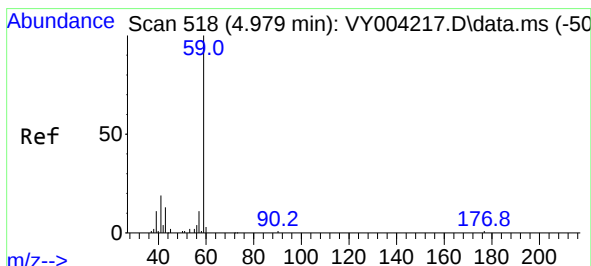
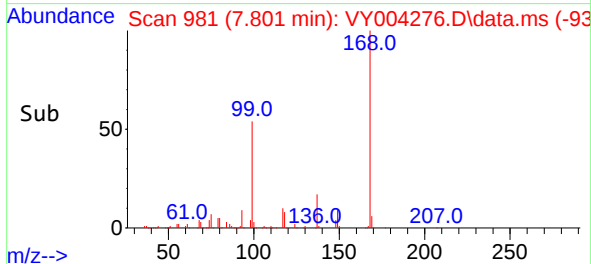
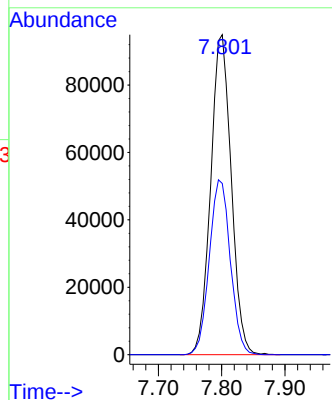
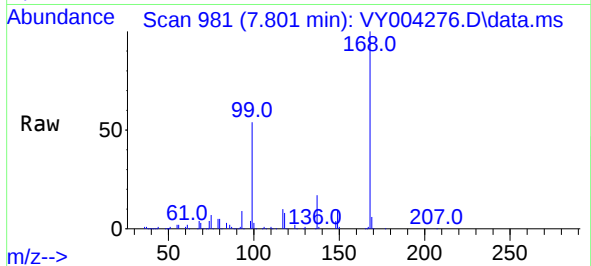




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

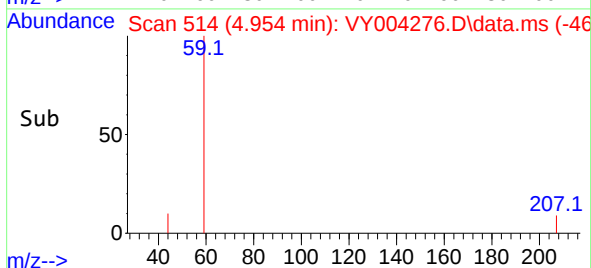
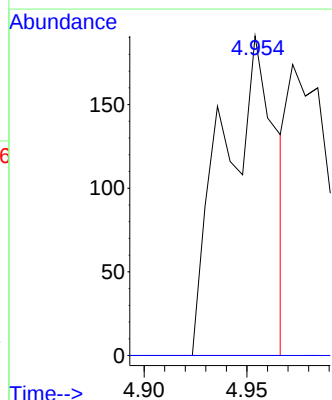
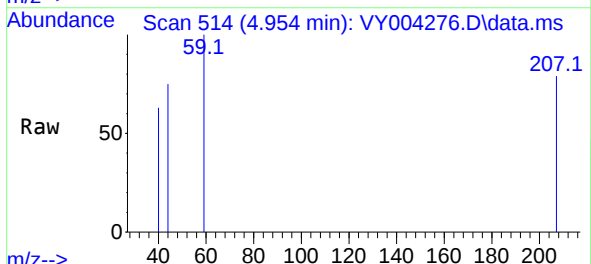
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0405SBL01

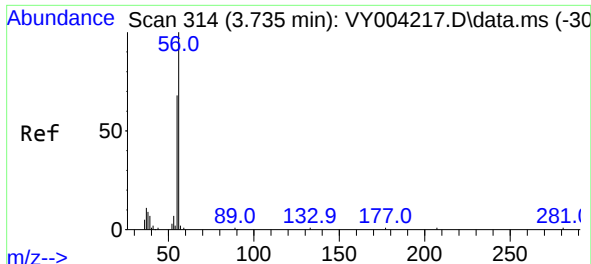
Tgt Ion:168 Resp: 213946  
Ion Ratio Lower Upper  
168 100  
99 53.5 42.6 64.0



#11  
Tert butyl alcohol  
Concen: 2.03 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. -0.025 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

Tgt Ion: 59 Resp: 339  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.9 13.3#

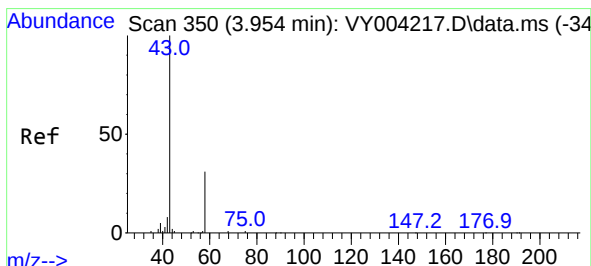
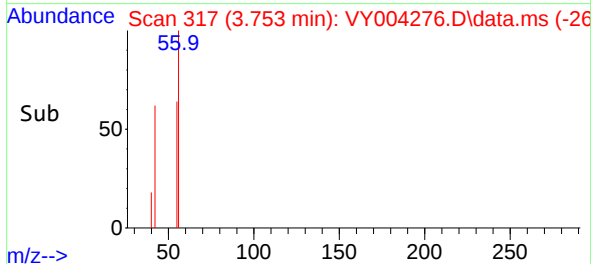
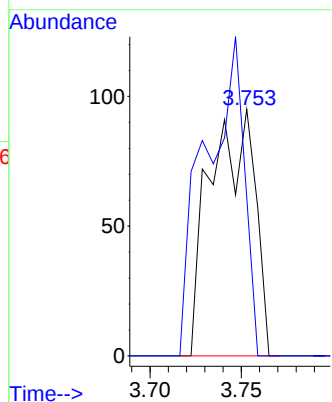
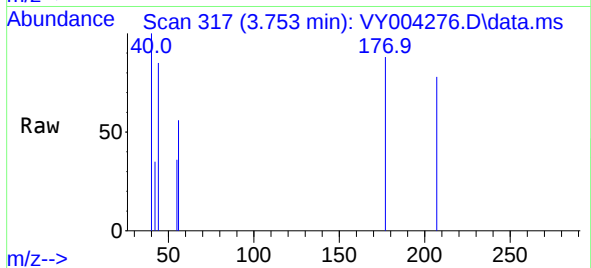




#13  
Acrolein  
Concen: Below Cal  
RT: 3.753 min Scan# 317  
Delta R.T. 0.018 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

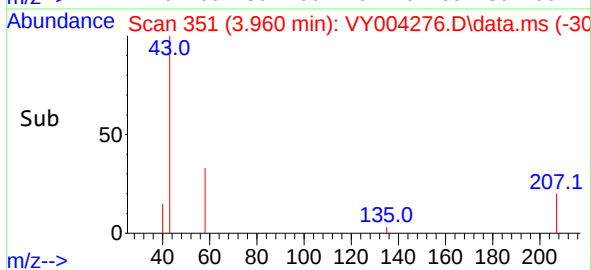
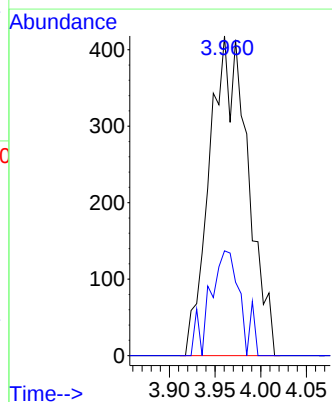
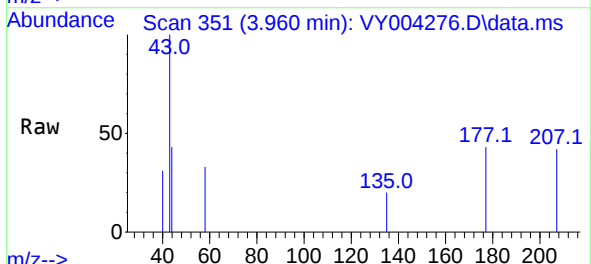
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0405SBL01

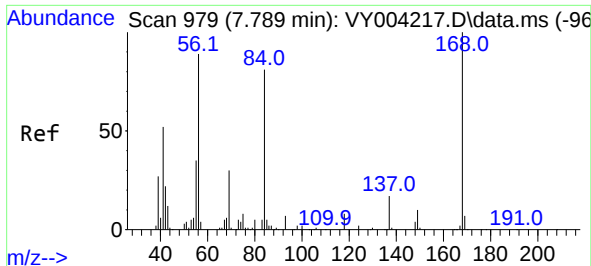
Tgt Ion: 56 Resp: 162  
Ion Ratio Lower Upper  
56 100  
55 111.7 55.0 82.4#



#16  
Acetone  
Concen: 2.85 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

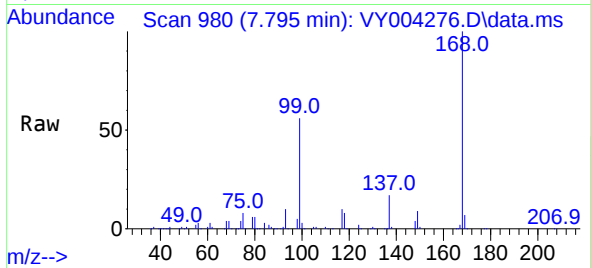
Tgt Ion: 43 Resp: 1221  
Ion Ratio Lower Upper  
43 100  
58 32.8 24.5 36.7



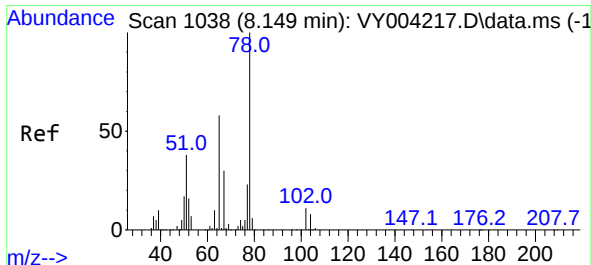
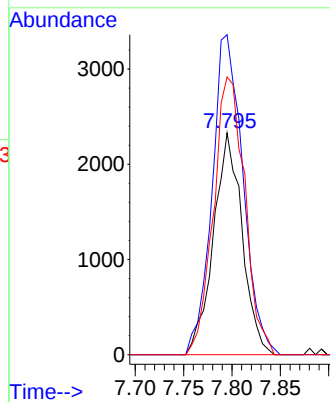
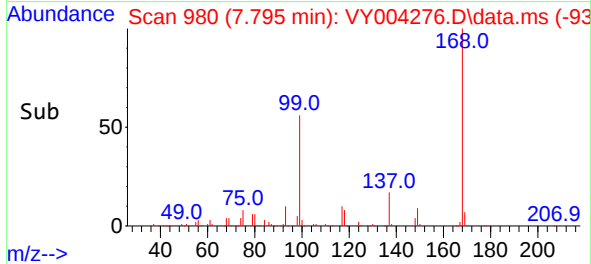


#31  
Cyclohexane  
Concen: 1.32 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

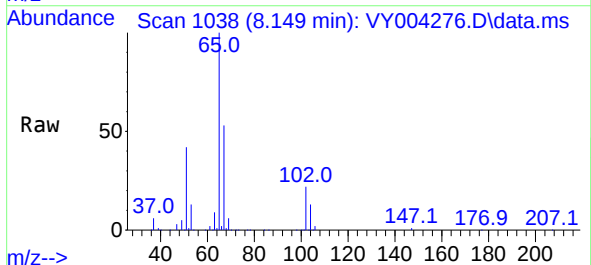
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0405SBL01



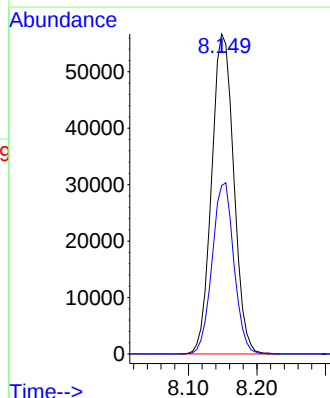
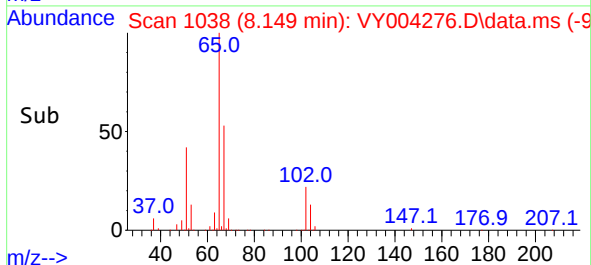
Tgt Ion: 56 Resp: 4798  
Ion Ratio Lower Upper  
56 100  
69 144.3 26.6 40.0#  
84 125.2 72.3 108.5#

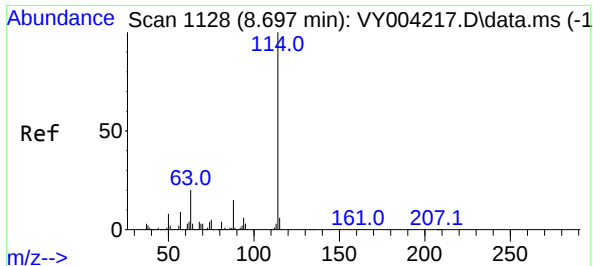


#33  
1,2-Dichloroethane-d4  
Concen: 61.73 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42



Tgt Ion: 65 Resp: 126966  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004276.D

Acq: 05 Apr 2021 11:42

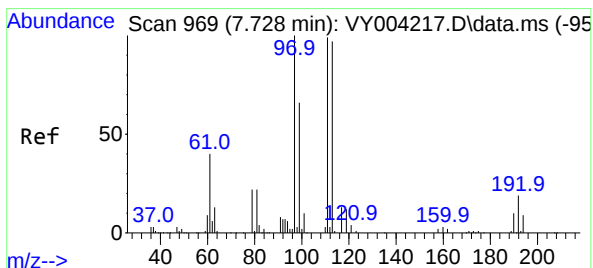
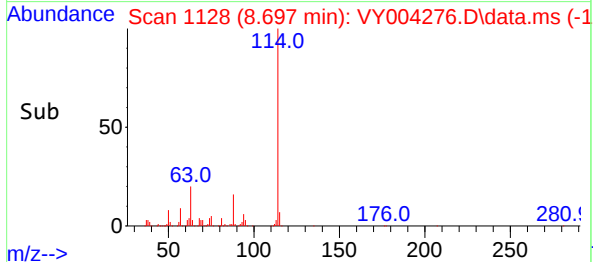
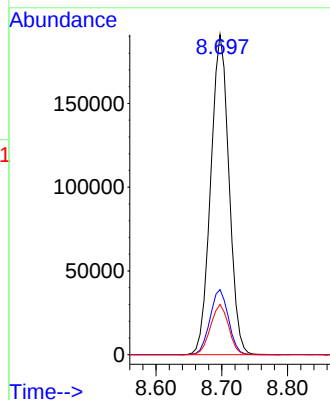
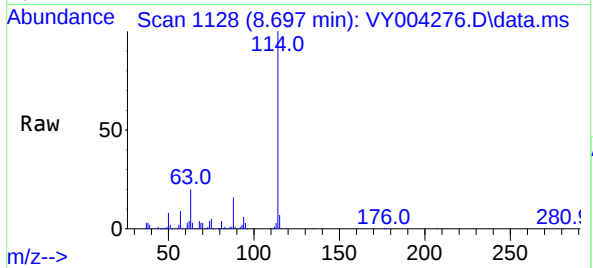
Tgt Ion:114 Resp: 368619

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.4

88 15.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 53.96 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY004276.D

Acq: 05 Apr 2021 11:42

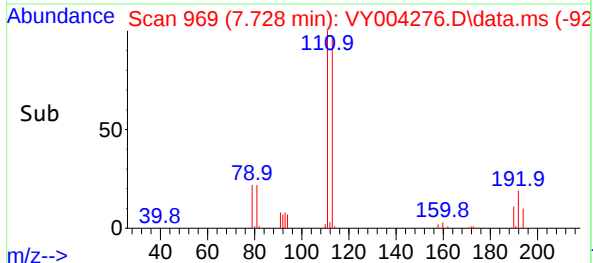
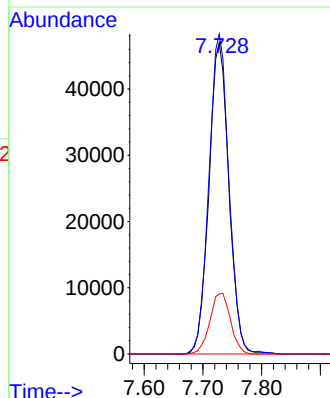
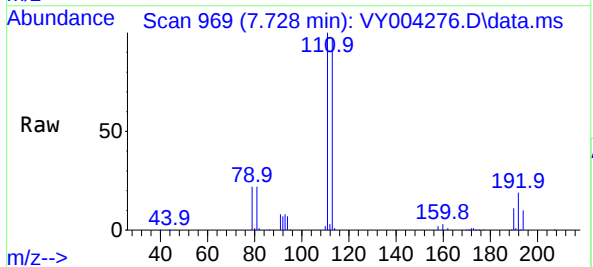
Tgt Ion:113 Resp: 110830

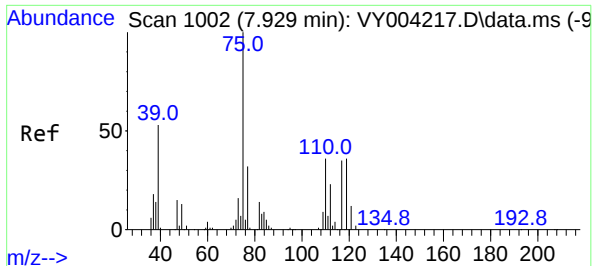
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 20.1 16.4 24.6



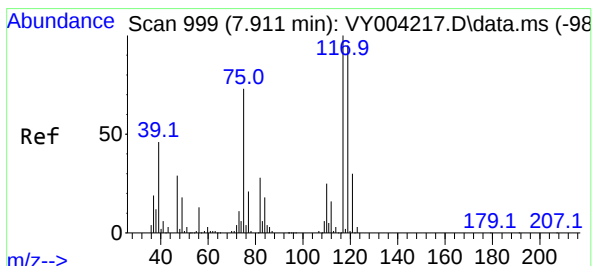
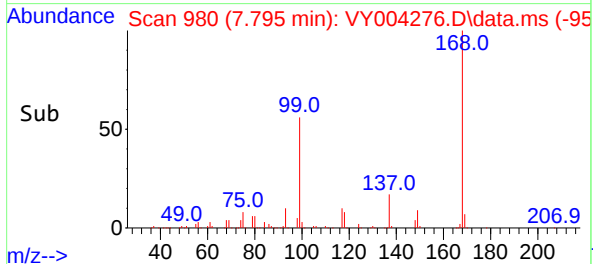
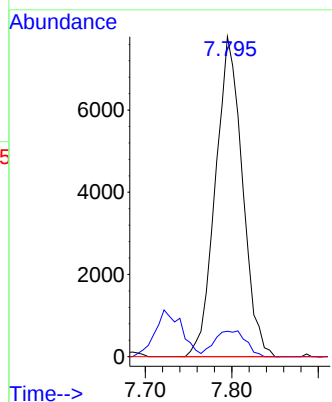
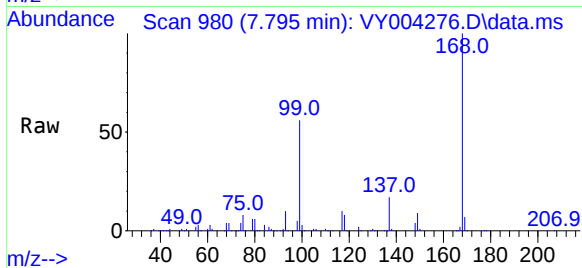


#36

1,1-Dichloropropene  
Concen: 5.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.134 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0405SBL01

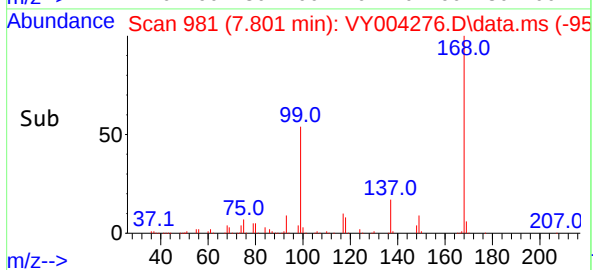
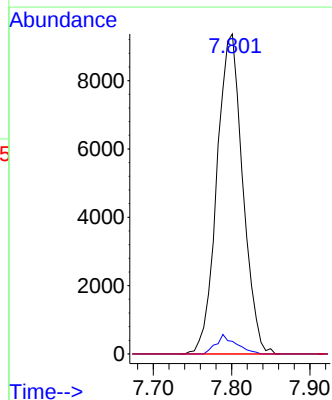
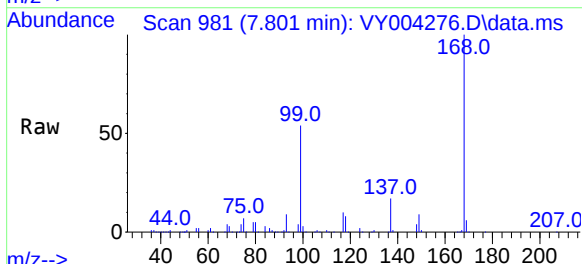
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 16812 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.4   | 18.1  | 54.3# |
| 77       | 0.0   | 25.1  | 37.7# |

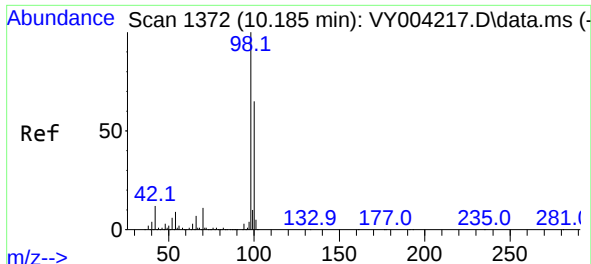


#38

Carbon Tetrachloride  
Concen: 7.34 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.110 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 21483  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 3.9   | 75.6  | 113.4# |
| 121      | 0.0   | 24.3  | 36.5#  |

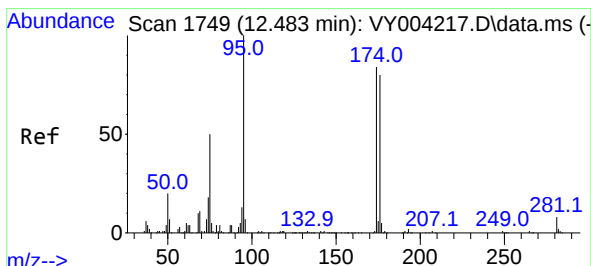
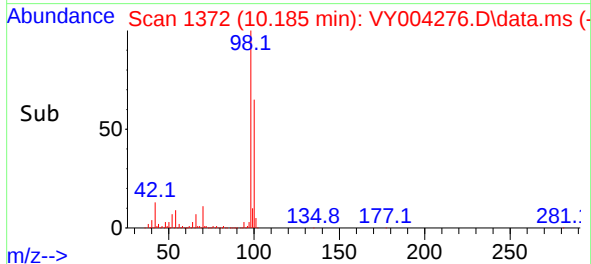
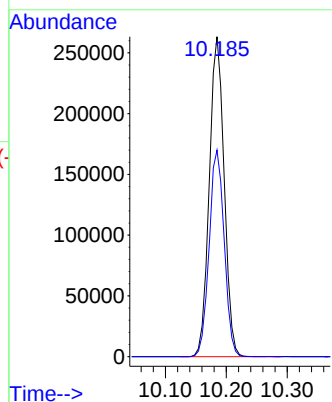
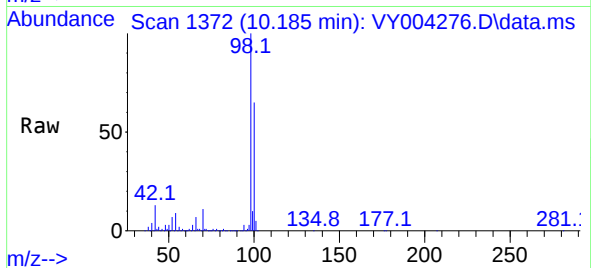




#50  
Toluene-d8  
Concen: 57.77 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

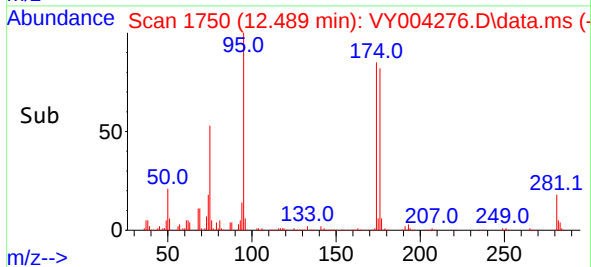
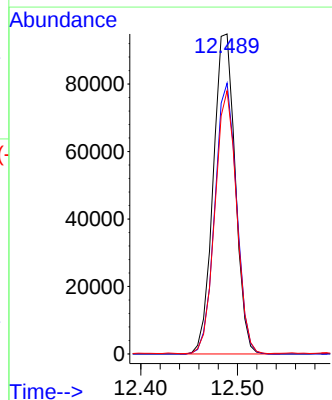
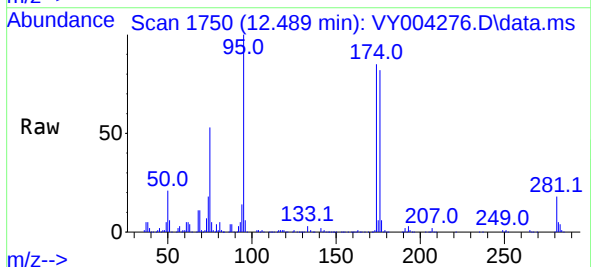
Instrument :  
MSVOA\_Y  
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VY0405SBL01

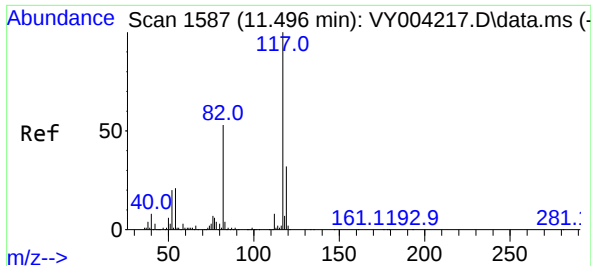
Tgt Ion: 98 Resp: 446279  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 56.55 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

Tgt Ion: 95 Resp: 149728  
Ion Ratio Lower Upper  
95 100  
174 83.2 0.0 171.4  
176 80.5 0.0 165.6



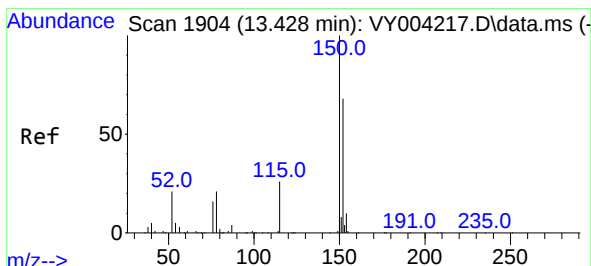
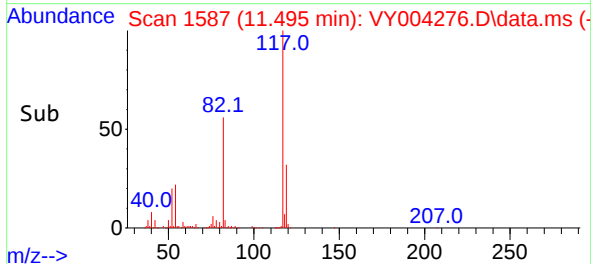
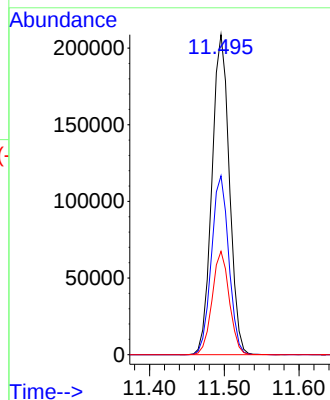
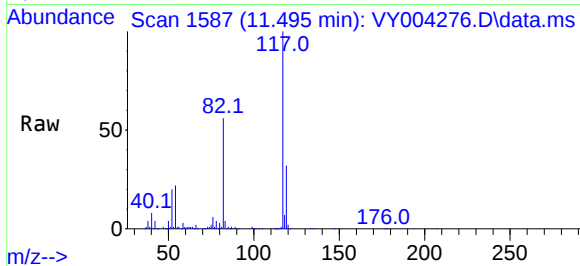


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0405SBL01

Tgt Ion:117 Resp: 338817

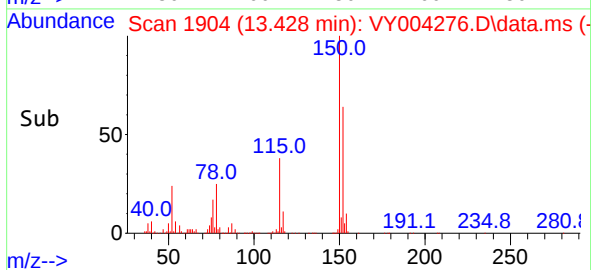
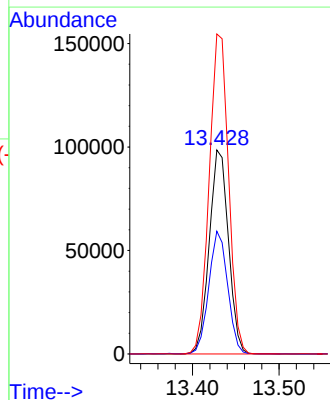
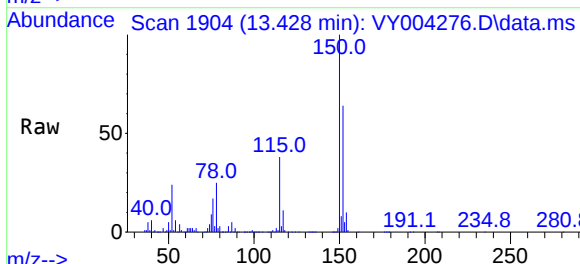
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 55.9  | 42.7  | 64.1  |
| 119 | 32.3  | 25.7  | 38.5  |

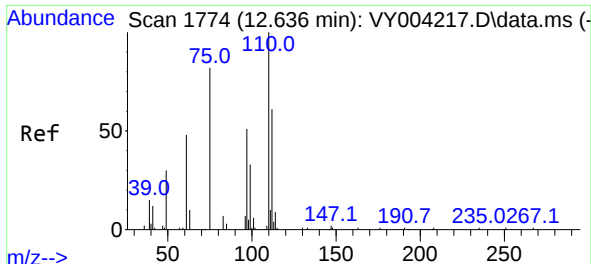


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

Tgt Ion:152 Resp: 151716

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 59.0  | 29.0  | 87.1  |
| 150 | 158.5 | 0.0   | 347.4 |

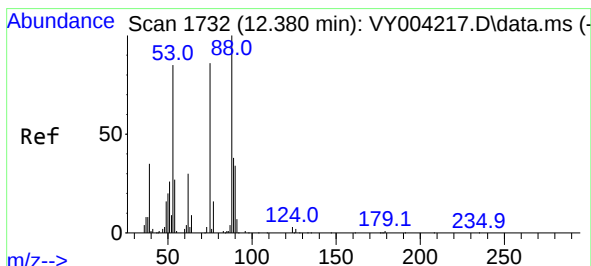
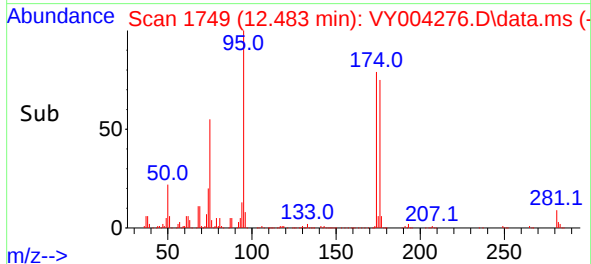
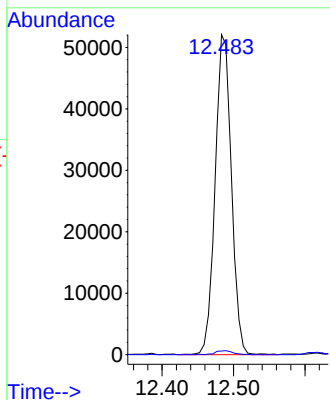
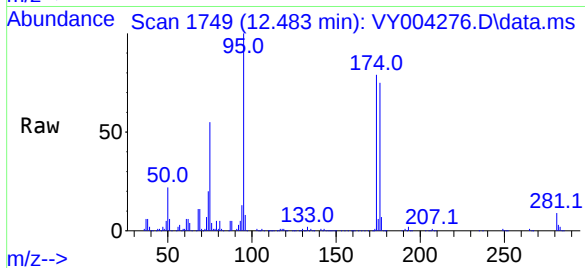




#76  
1,2,3-Trichloropropane  
Concen: 59.62 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

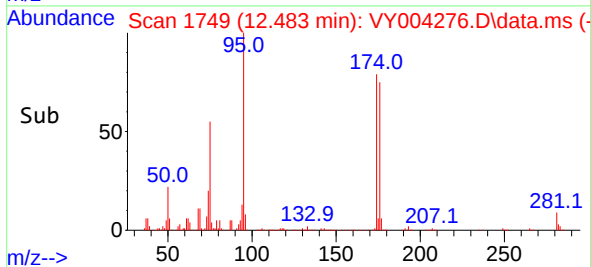
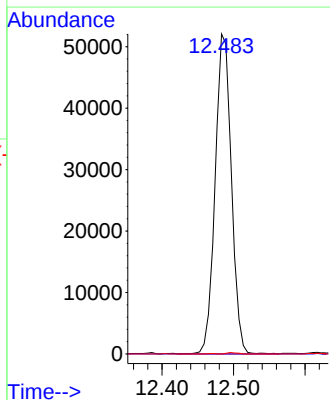
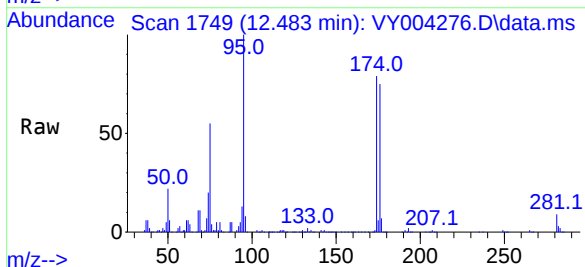
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0405SBL01

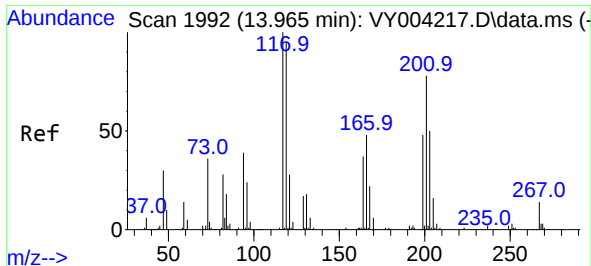
Tgt Ion: 75 Resp: 82139  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 109.88 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

Tgt Ion: 75 Resp: 82139  
Ion Ratio Lower Upper  
75 100  
53 0.0 79.3 118.9#  
89 0.1 39.4 59.2#

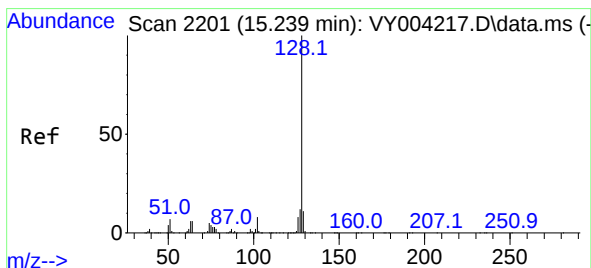
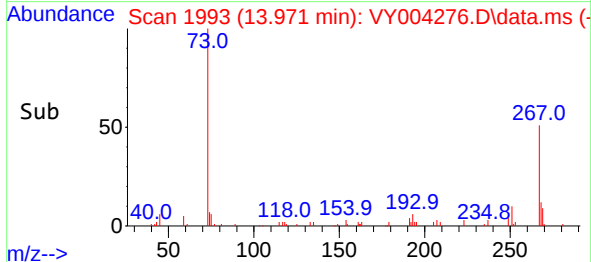
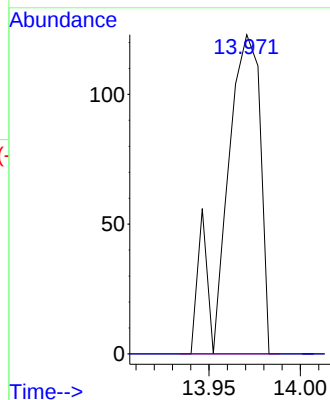
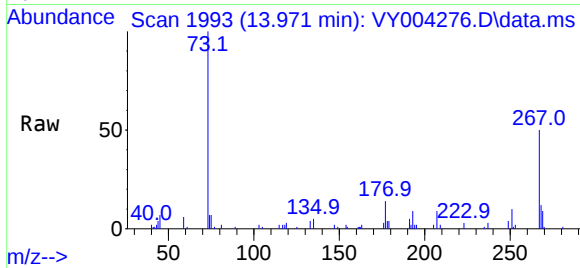




#90  
Hexachloroethane  
Concen: 7.44 ug/l  
RT: 13.971 min Scan# 1993  
Delta R.T. 0.006 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0405SBL01

Tgt Ion:117 Resp: 164  
Ion Ratio Lower Upper  
117 100  
201 0.0 37.6 112.9#



#95  
Naphthalene  
Concen: 1.59 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: VY004276.D  
Acq: 05 Apr 2021 11:42

Tgt Ion:128 Resp: 10399  
Ion Ratio Lower Upper  
128 100  
127 12.4 10.1 15.1  
129 11.2 8.9 13.3

