

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
 Data File : VY004446.D  
 Acq On : 15 Apr 2021 17:17  
 Operator : SY/MD  
 Sample : M2048-07  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 16 05:05:41 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

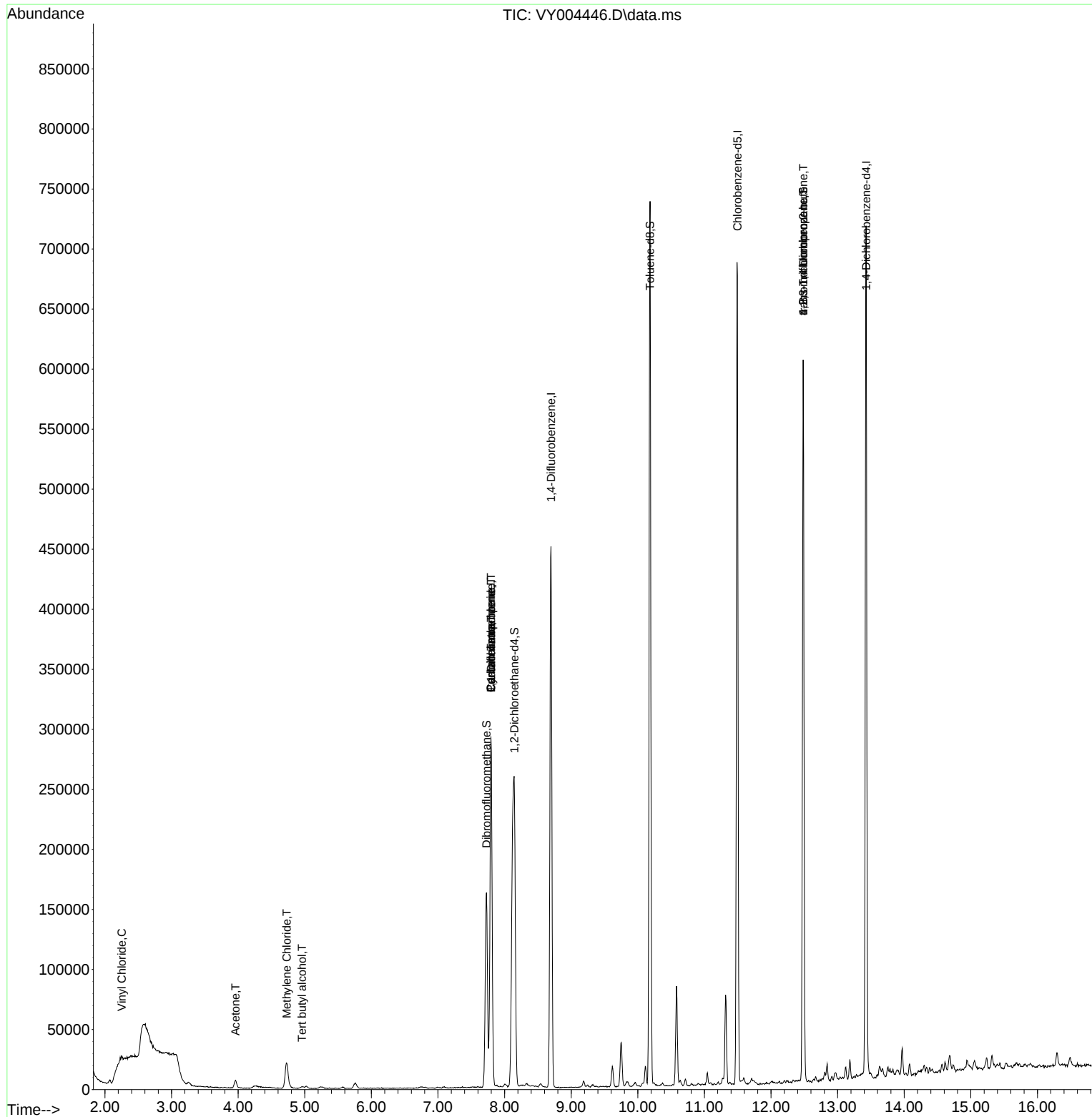
| Compound                      | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                         |                |      |                    |       |        |          |
| Internal Standards            |                |      |                    |       |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 220524             | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 382883             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 365180             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 170301             | 50.00 | ug/l   | 0.00     |
|                               |                |      |                    |       |        |          |
| System Monitoring Compounds   |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 138947             | 56.71 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 113.42% |       |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 113314             | 53.33 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 106.66% |       |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 470165             | 52.02 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 104.04% |       |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 169463             | 55.25 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 110.50% |       |        |          |
|                               |                |      |                    |       |        |          |
| Target Compounds              |                |      |                    |       |        | Qvalue   |
| 4) Vinyl Chloride             | 2.253          | 62   | 18427              | 5.91  | ug/l # | 43       |
| 11) Tert butyl alcohol        | 4.960          | 59   | 1471               | 6.09  | ug/l # | 91       |
| 16) Acetone                   | 3.960          | 43   | 11075              | 2.24  | ug/l   | 99       |
| 20) Methylene Chloride        | 4.729          | 84   | 15192              | 6.42  | ug/l   | 94       |
| 31) Cyclohexane               | 7.795          | 56   | 5464               | 1.22  | ug/l # | 3        |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 17408              | 4.58  | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 21589              | 6.56  | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 92237              | 50.46 | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 92237              | 90.27 | ug/l # | 12       |
| -----                         |                |      |                    |       |        |          |

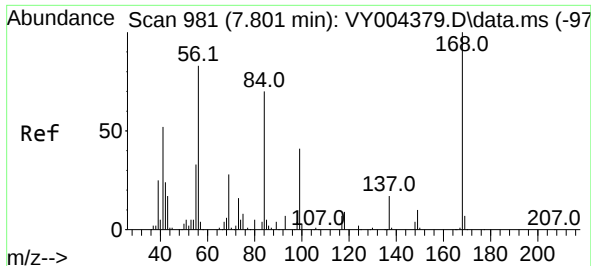
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Apr 16 05:05:41 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

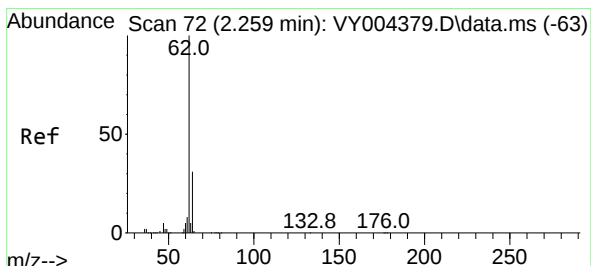
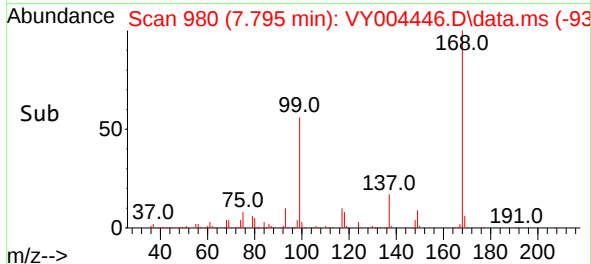
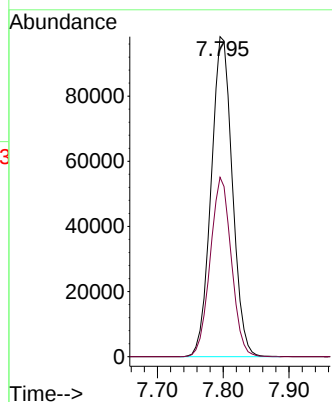
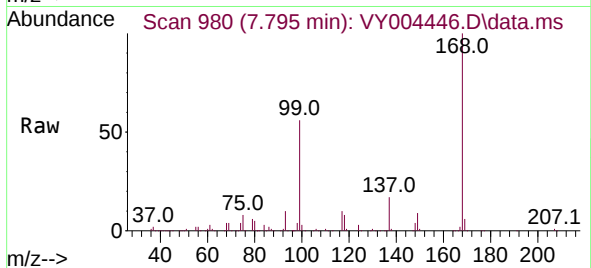




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

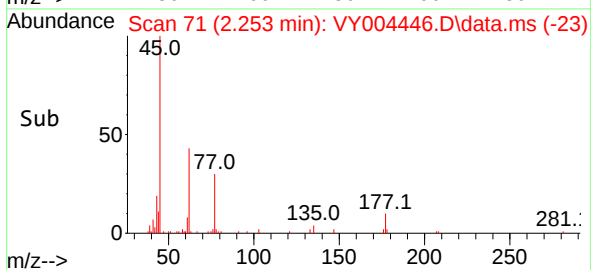
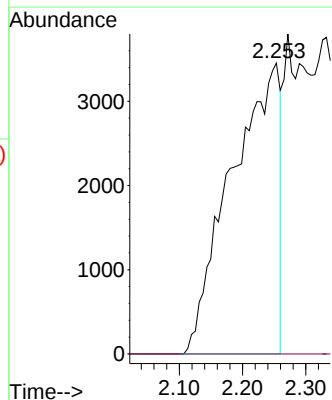
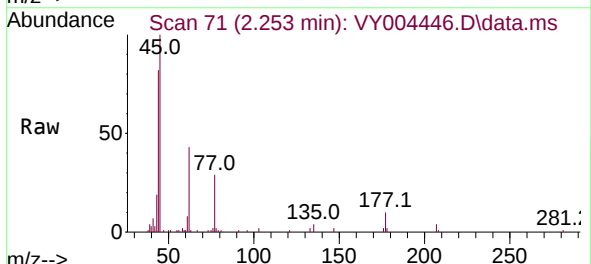
Instrument :  
MSVOA\_Y  
ClientSampleId :

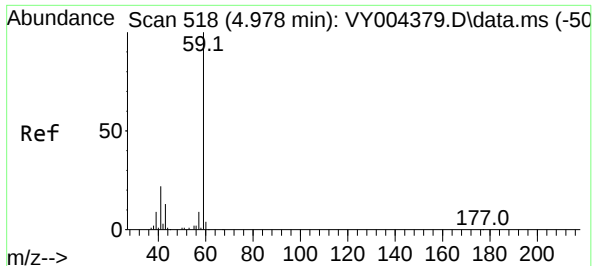
Tgt Ion:168 Resp: 220524  
Ion Ratio Lower Upper  
168 100  
99 56.0 45.5 68.3



#4  
Vinyl Chloride  
Concen: 5.91 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

Tgt Ion: 62 Resp: 18427  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.1 37.7#



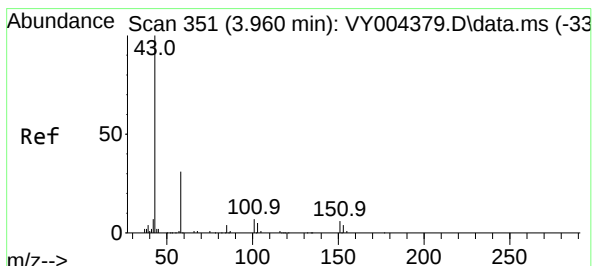
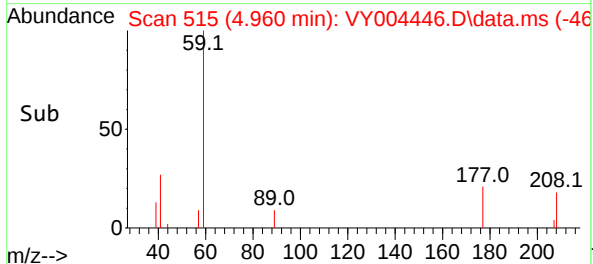
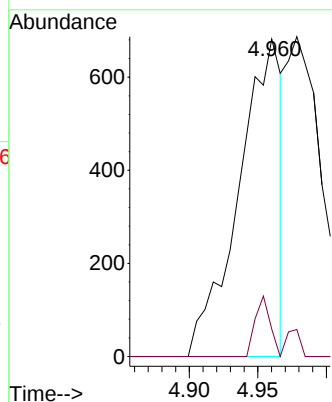
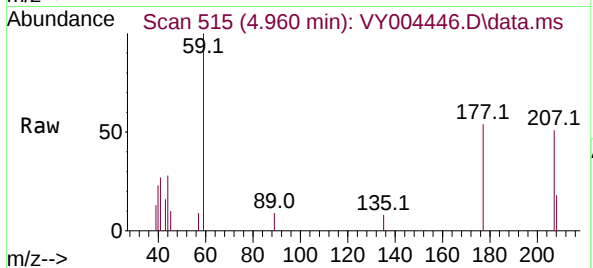


#11

Tert butyl alcohol  
Concen: 6.09 ug/l  
RT: 4.960 min Scan# 515  
Delta R.T. -0.018 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

Instrument :  
MSVOA\_Y  
ClientSampled :

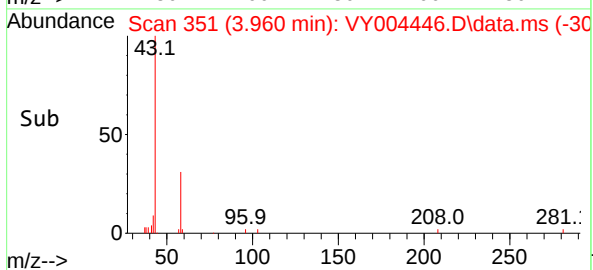
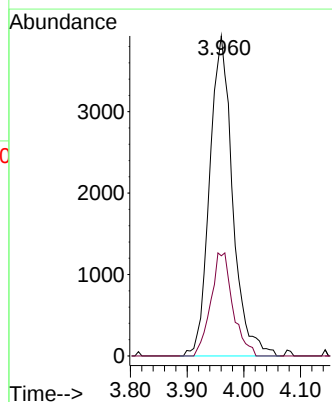
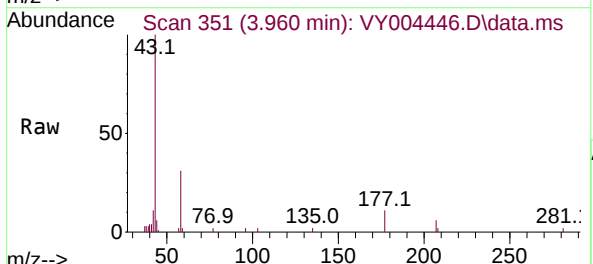
Tgt Ion: 59 Resp: 1471  
Ion Ratio Lower Upper  
59 100  
57 6.7 8.1 12.1#

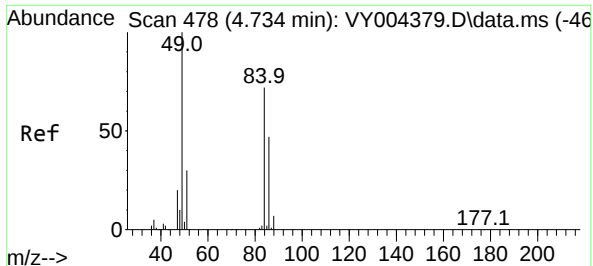


#16

Acetone  
Concen: 2.24 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.000 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

Tgt Ion: 43 Resp: 11075  
Ion Ratio Lower Upper  
43 100  
58 31.3 24.6 37.0

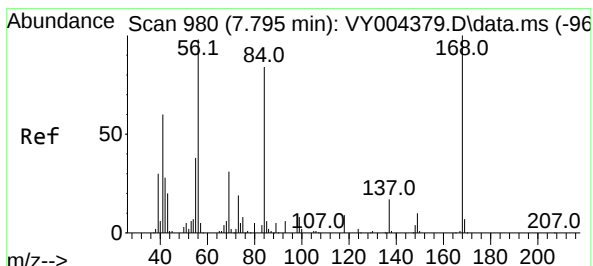
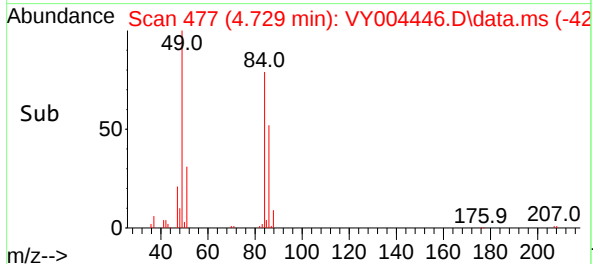
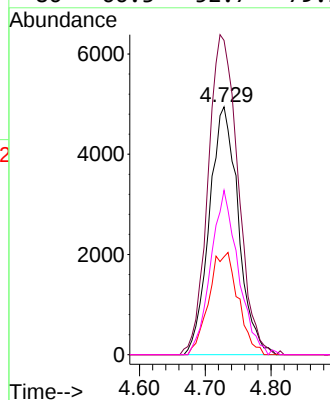
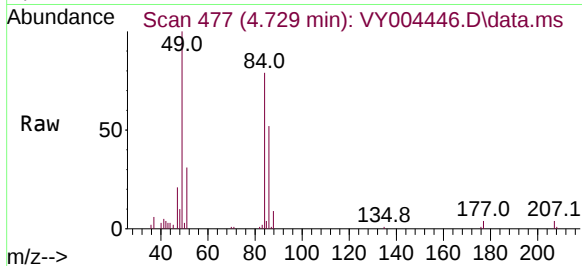




#20  
Methylene Chloride  
Concen: 6.42 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. -0.006 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

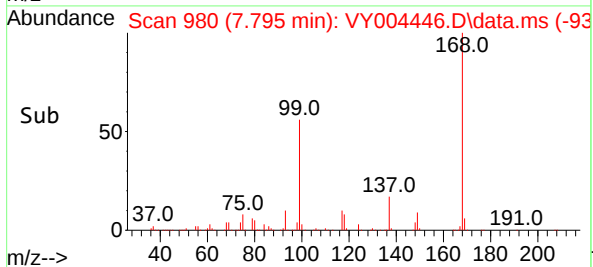
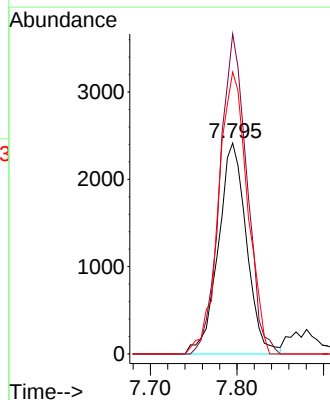
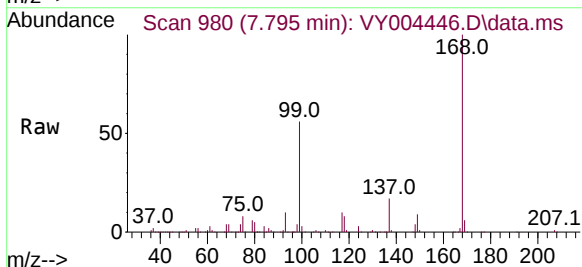
Instrument :  
MSVOA\_Y  
ClientSampled :

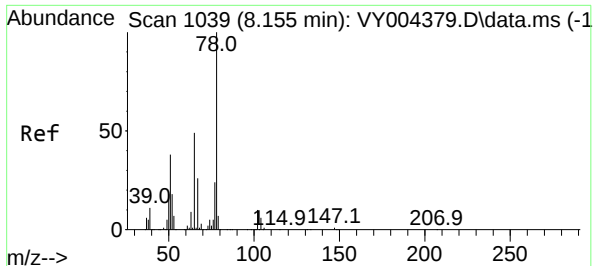
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 15192 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 126.8 | 111.2 | 166.8 |
| 51       | 39.5  | 33.4  | 50.2  |
| 86       | 66.3  | 52.7  | 79.1  |



#31  
Cyclohexane  
Concen: 1.22 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5464   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 151.8 | 25.8  | 38.6#  |
| 84       | 133.7 | 68.2  | 102.4# |





#33

1,2-Dichloroethane-d4

Concen: 56.71 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY004446.D

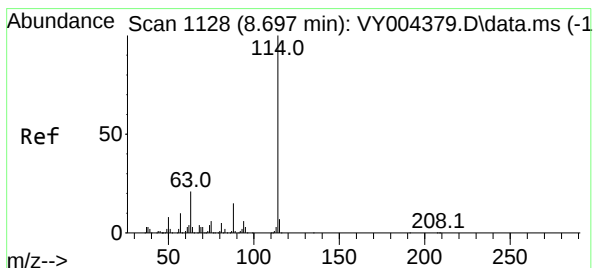
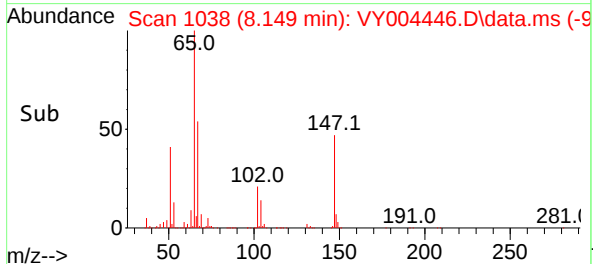
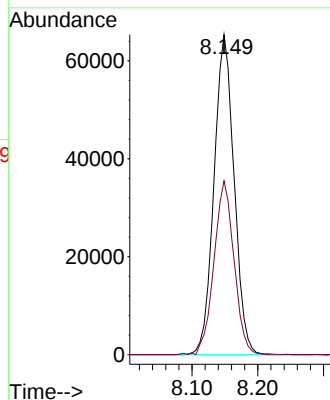
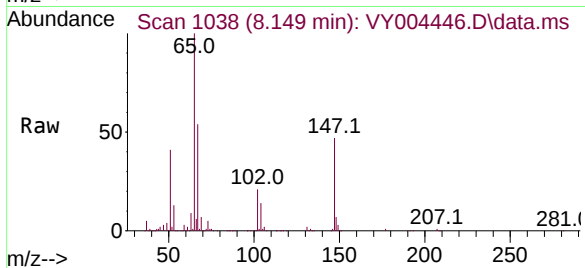
Acq: 15 Apr 2021 17:17

Tgt Ion: 65 Resp: 138947

Ion Ratio Lower Upper

65 100

67 54.1 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: VY004446.D

Acq: 15 Apr 2021 17:17

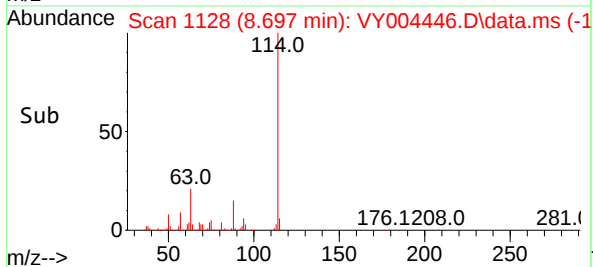
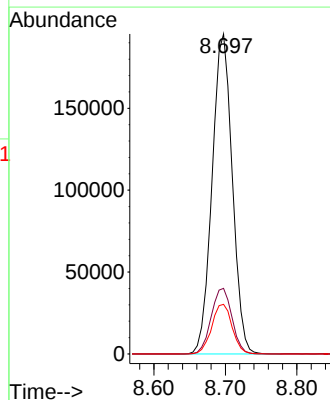
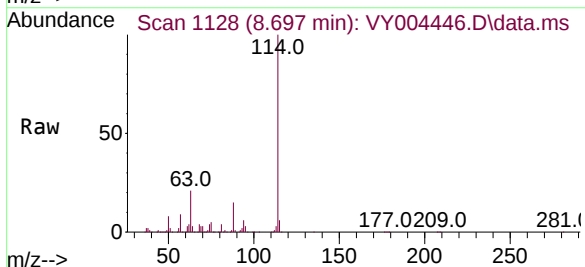
Tgt Ion: 114 Resp: 382883

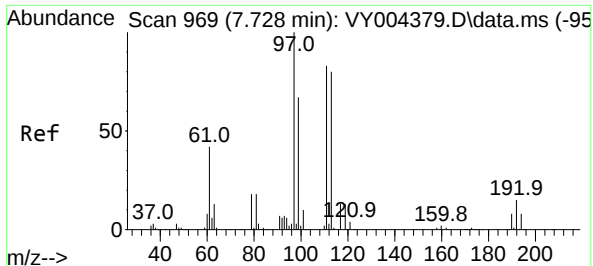
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 15.5 0.0 30.8

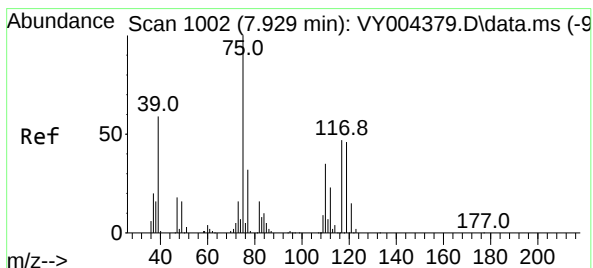
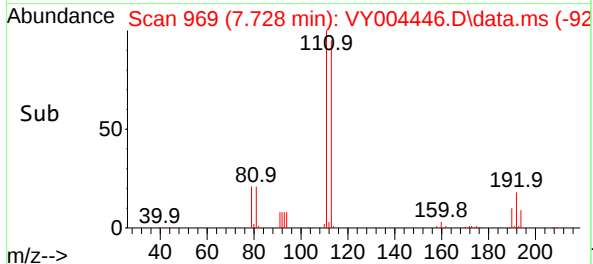
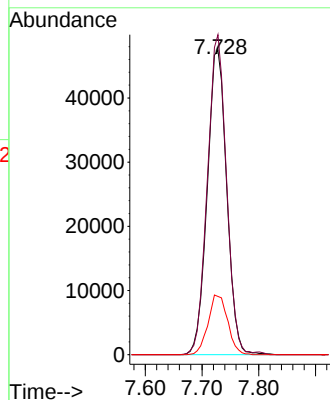
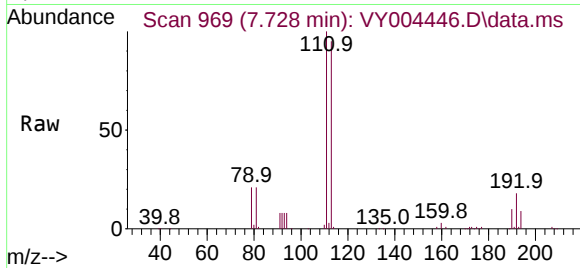




#35  
Dibromofluoromethane  
Concen: 53.33 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

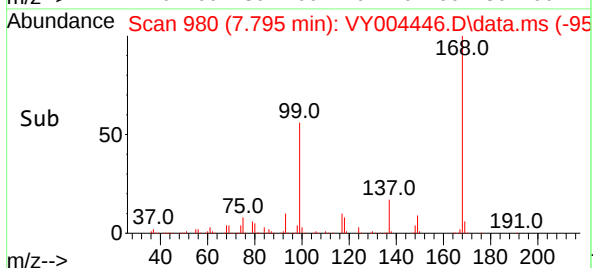
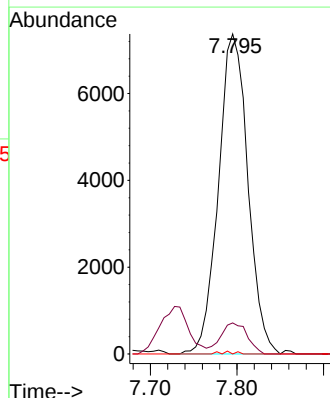
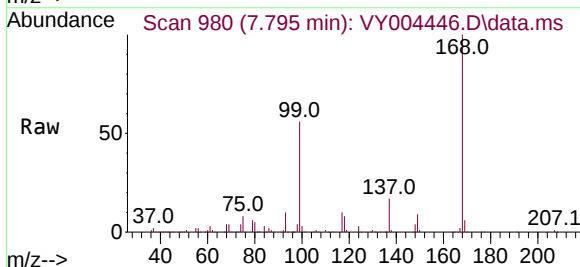
Instrument :  
MSVOA\_Y  
ClientSampleId :

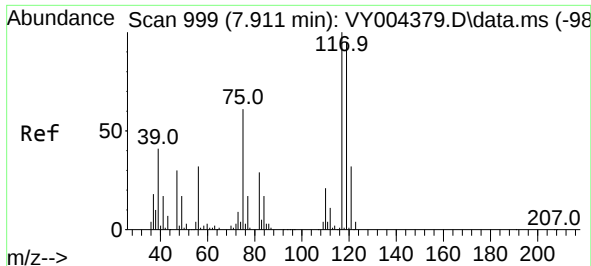
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 113314 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.1 | 82.6  | 123.8  |
| 192      | 19.6  | 16.1  | 24.1   |



#36  
1,1-Dichloropropene  
Concen: 4.58 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.134 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

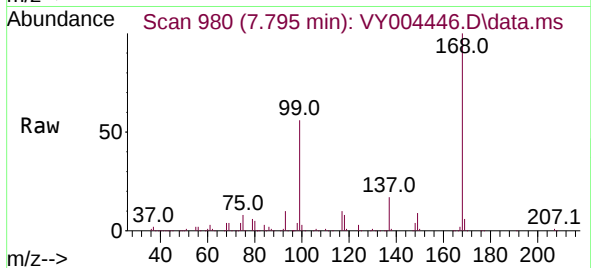
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 17408 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.8   | 17.3  | 51.7# |
| 77       | 0.2   | 24.3  | 36.5# |



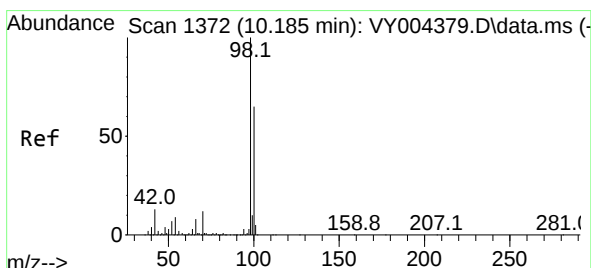
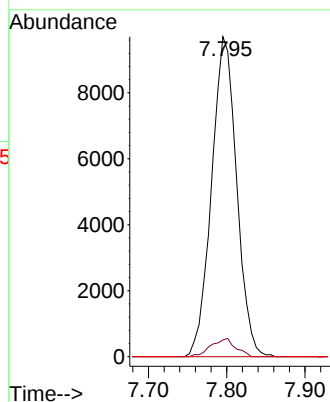
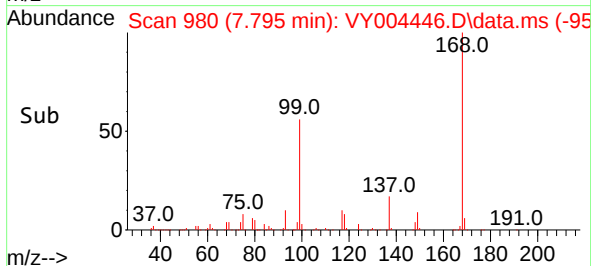


#38  
Carbon Tetrachloride  
Concen: 6.56 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

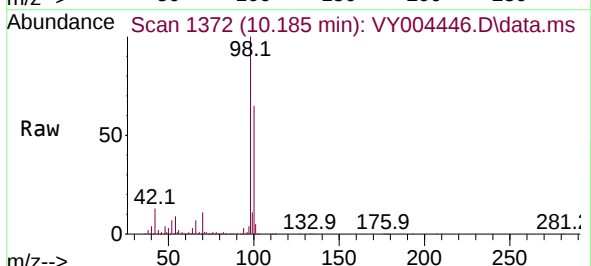
Instrument :  
MSVOA\_Y  
ClientSampleId :



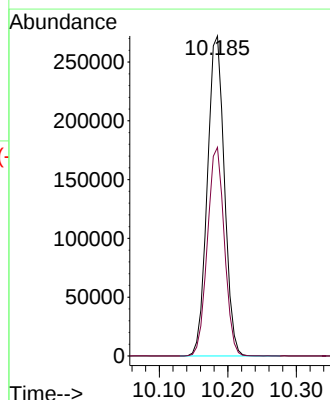
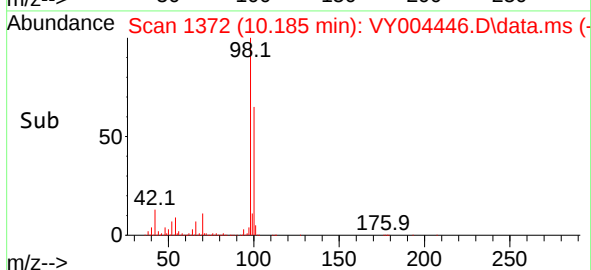
Tgt Ion:117 Resp: 21589  
Ion Ratio Lower Upper  
117 100  
119 5.2 75.8 113.8#  
121 0.0 25.3 37.9#

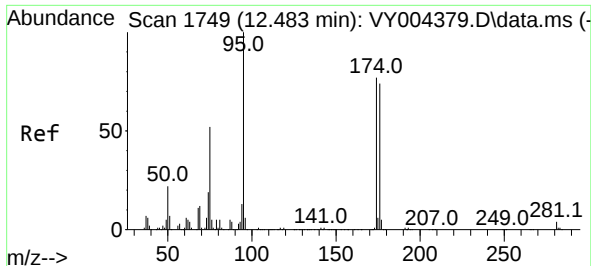


#50  
Toluene-d8  
Concen: 52.02 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17



Tgt Ion: 98 Resp: 470165  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.8 77.6

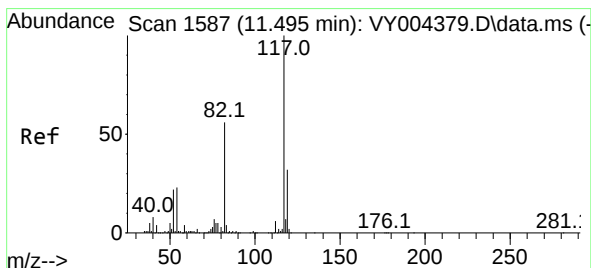
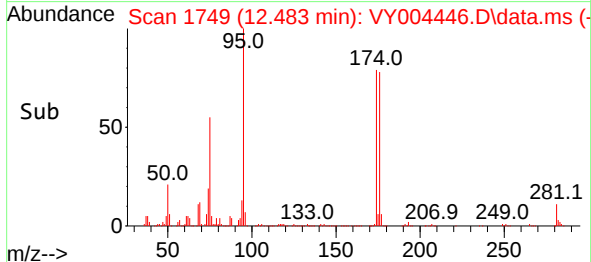
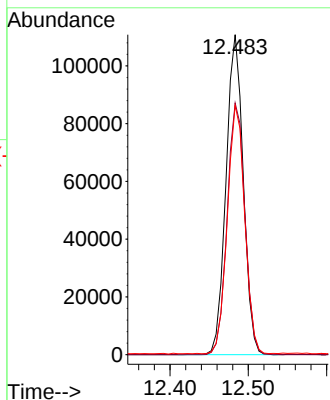
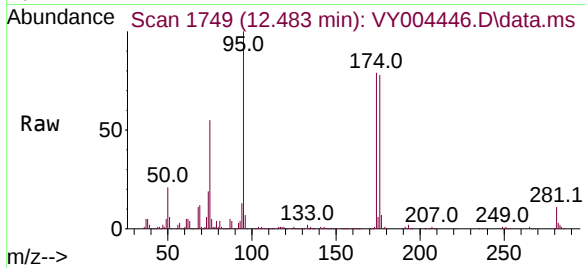




#62  
4-Bromofluorobenzene  
Concen: 55.25 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

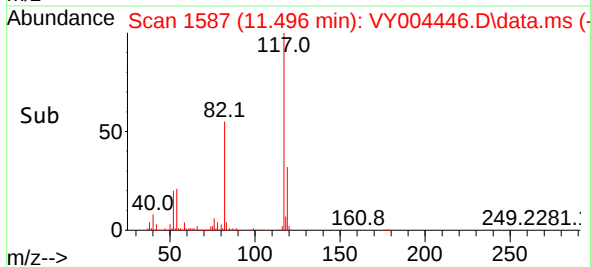
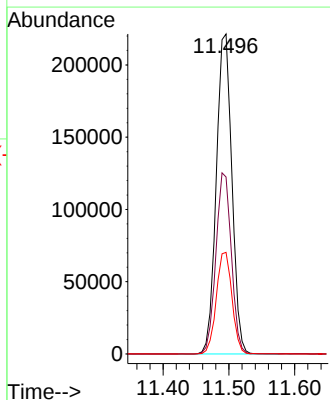
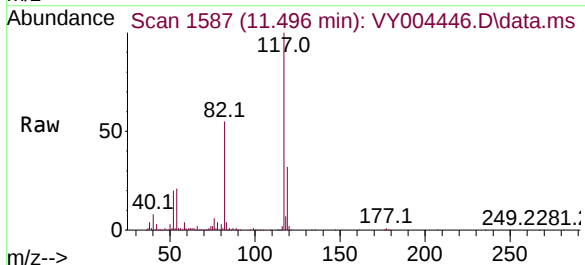
Instrument :  
MSVOA\_Y  
ClientSampled :

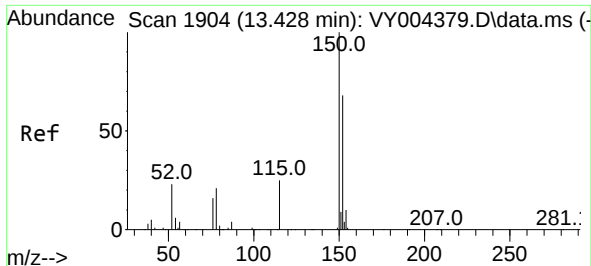
Tgt Ion: 95 Resp: 169463  
Ion Ratio Lower Upper  
95 100  
174 80.8 0.0 162.4  
176 78.4 0.0 156.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

Tgt Ion: 117 Resp: 365180  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.9 67.3  
119 31.7 25.4 38.0

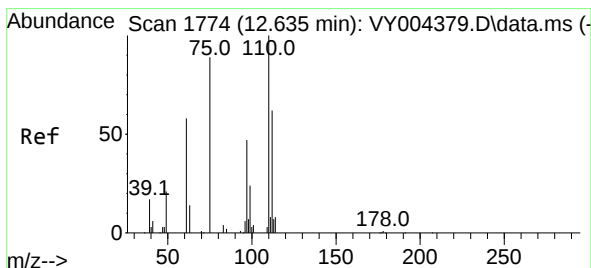
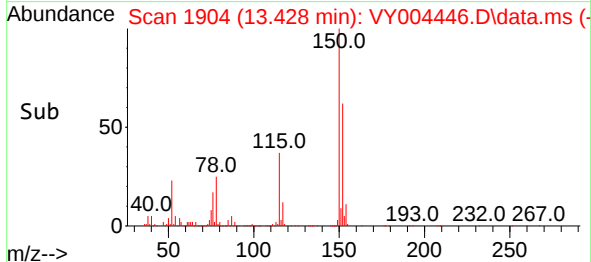
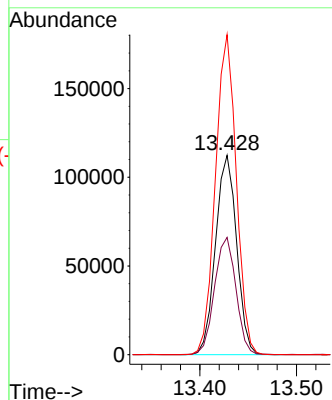
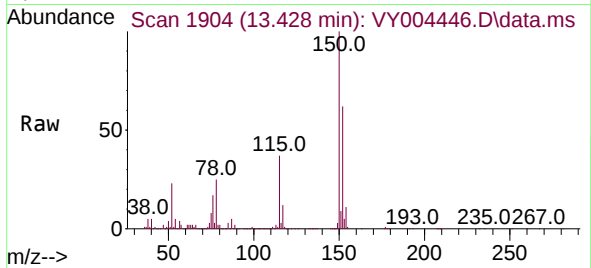




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

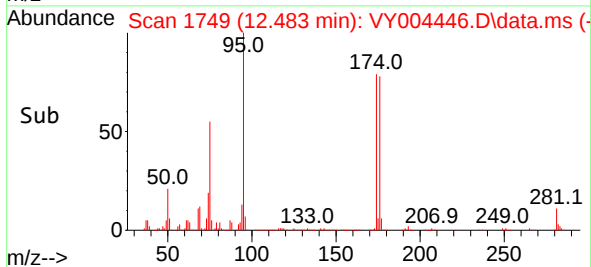
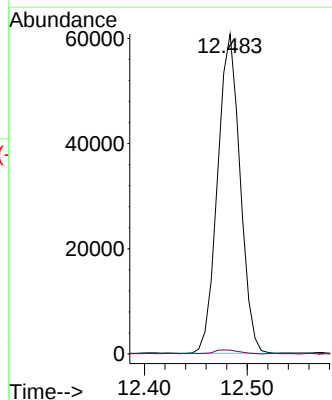
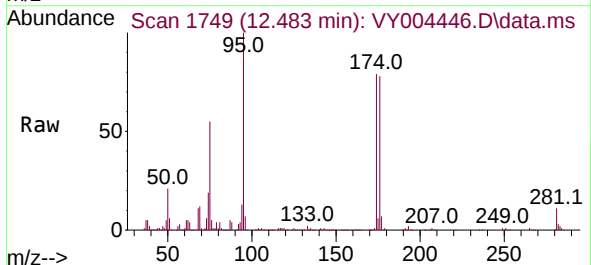
Instrument :  
MSVOA\_Y  
ClientSampled :

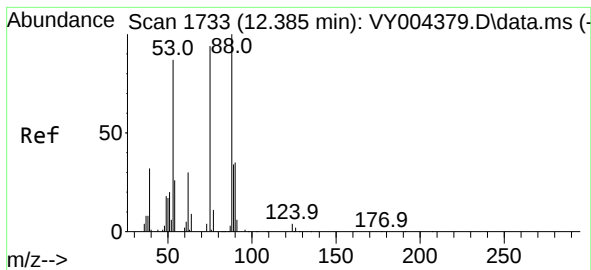
Tgt Ion:152 Resp: 170301  
Ion Ratio Lower Upper  
152 100  
115 59.6 29.6 88.8  
150 158.5 0.0 348.4



#76  
1,2,3-Trichloropropane  
Concen: 50.46 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY004446.D  
Acq: 15 Apr 2021 17:17

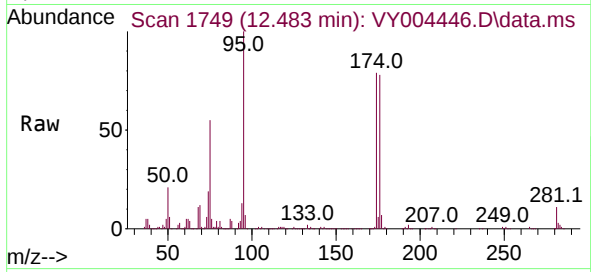
Tgt Ion: 75 Resp: 92237  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 90.27 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.098 min  
 Lab File: VY004446.D  
 Acq: 15 Apr 2021 17:17

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 92237  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 75.0  | 112.6# |
| 89       | 0.3   | 36.1  | 54.1#  |

