

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041521\  
 Data File : VY004434.D  
 Acq On : 15 Apr 2021 12:15  
 Operator : SY/MD  
 Sample : M2044-01  
 Misc : 6.48G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 16 05:03:00 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

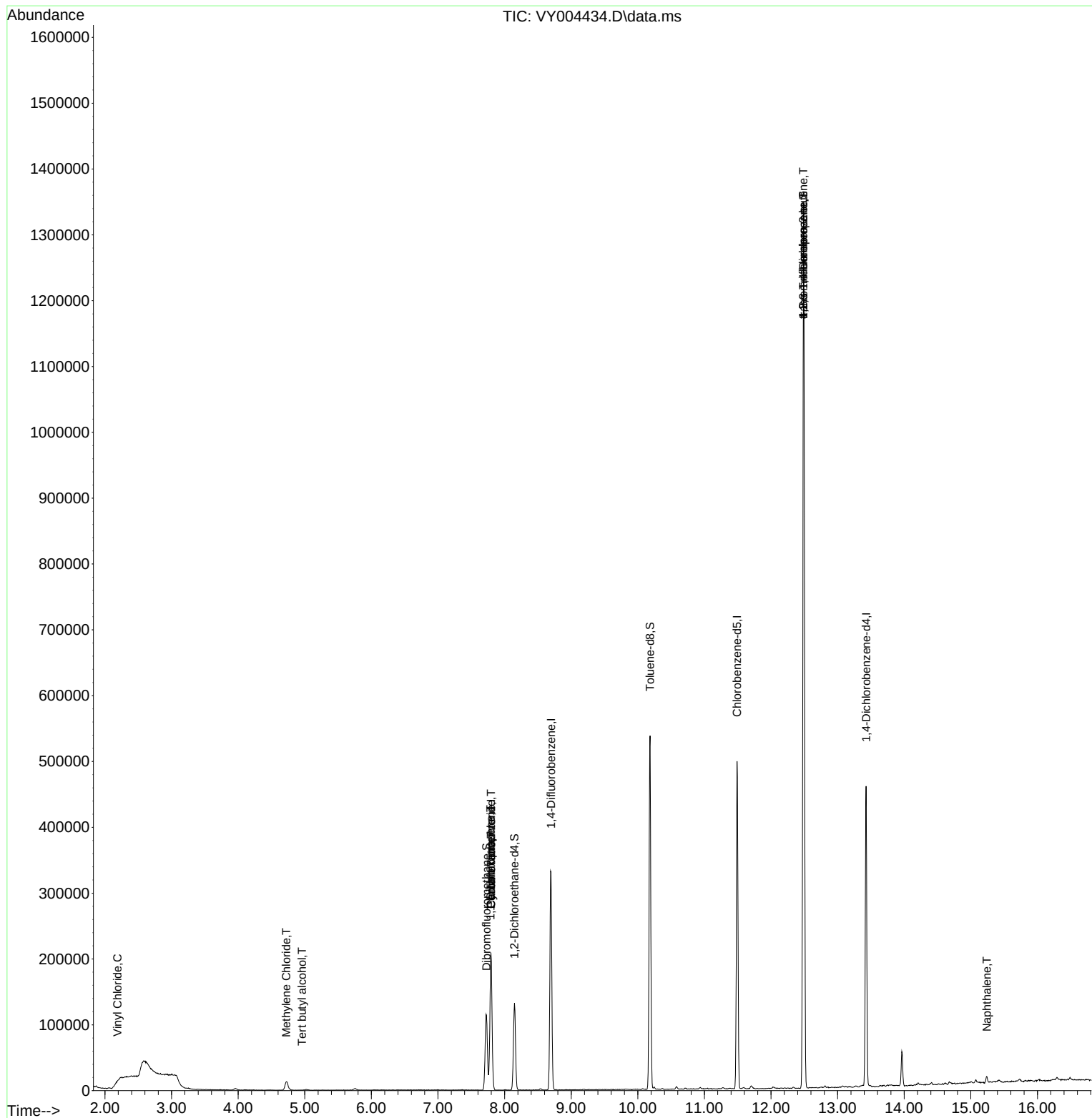
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 158121             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 277268             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 257978             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 109993             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 101044             | 57.52     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 115.04% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 81034              | 52.66     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 105.32% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 339889             | 51.93     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 103.86% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 118437             | 53.33     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 106.66% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
| 4) Vinyl Chloride             | 2.186          | 62   | 4651               | 2.08      | ug/l # | 43       |
| 11) Tert butyl alcohol        | 4.960          | 59   | 755                | 4.36      | ug/l # | 73       |
| 16) Acetone                   | 3.960          | 43   | 4210               | Below Cal | #      | 88       |
| 20) Methylene Chloride        | 4.722          | 84   | 9394               | 5.54      | ug/l   | 98       |
| 31) Cyclohexane               | 7.795          | 56   | 3764               | 1.17      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 12685              | 4.60      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 15559              | 6.53      | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 72693              | 61.58     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 72693              | 110.15    | ug/l # | 14       |
| 95) Naphthalene               | 15.239         | 128  | 7060               | 1.56      | ug/l   | 100      |
| -----                         |                |      |                    |           |        |          |

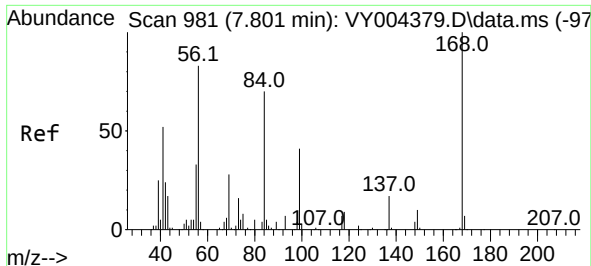
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Apr 16 05:03:00 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

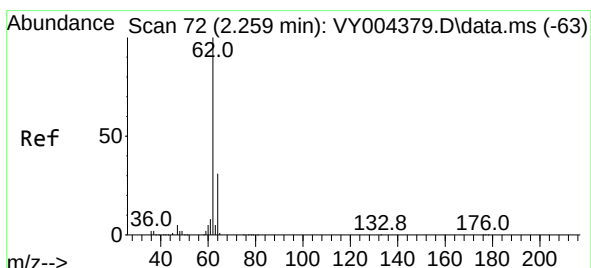
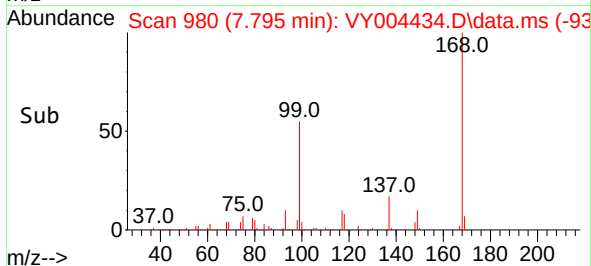
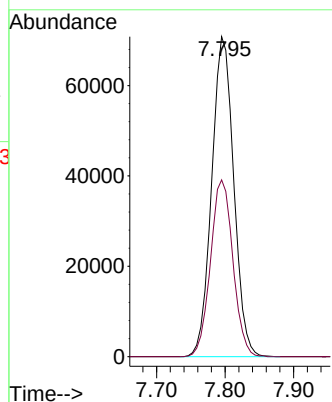
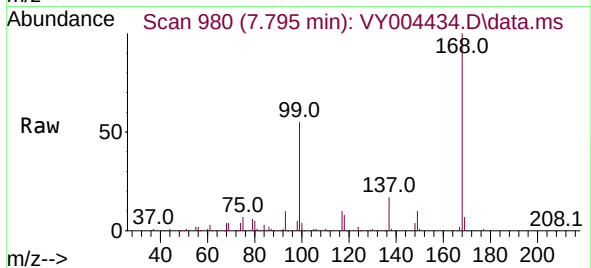




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

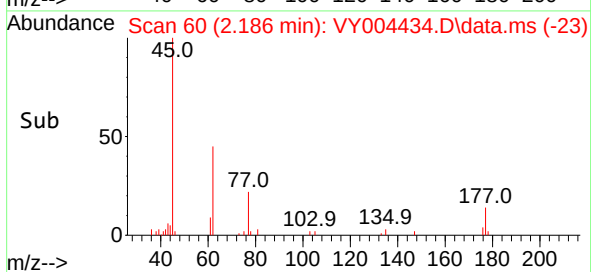
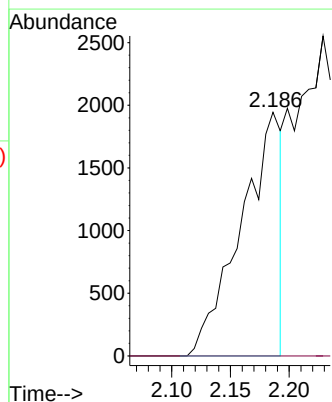
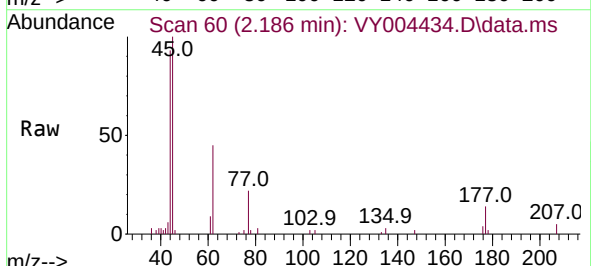
Instrument :  
MSVOA\_Y  
ClientSampleId :

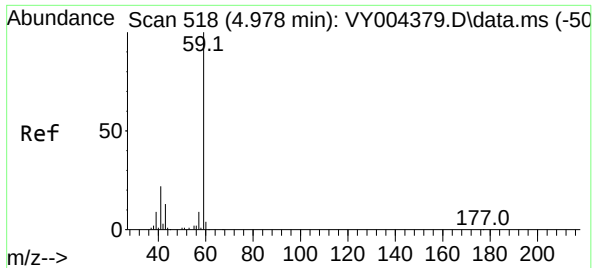
Tgt Ion:168 Resp: 158121  
Ion Ratio Lower Upper  
168 100  
99 55.2 45.5 68.3



#4  
Vinyl Chloride  
Concen: 2.08 ug/l  
RT: 2.186 min Scan# 60  
Delta R.T. -0.073 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

Tgt Ion: 62 Resp: 4651  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.1 37.7#



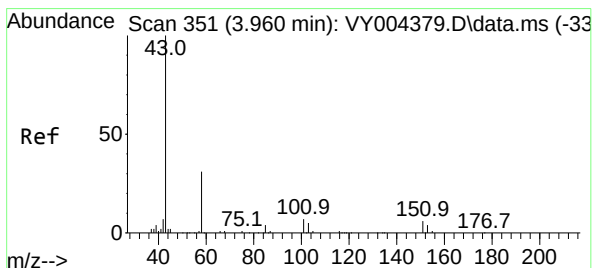
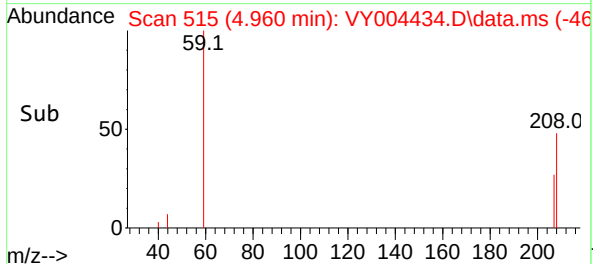
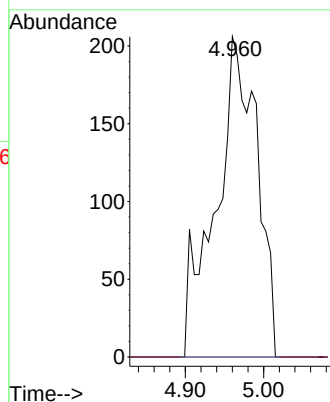
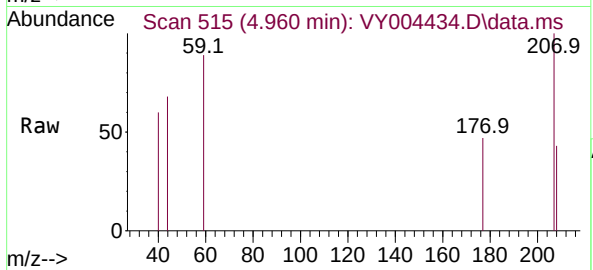


#11

Tert butyl alcohol  
Concen: 4.36 ug/l  
RT: 4.960 min Scan# 515  
Delta R.T. -0.018 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

Instrument :  
MSVOA\_Y  
ClientSampled :

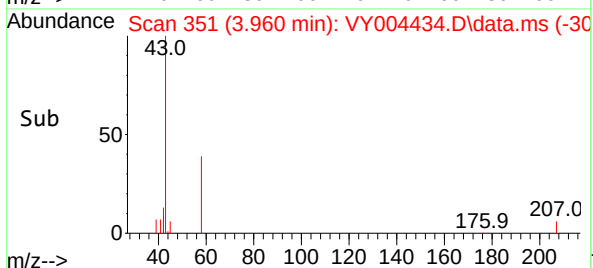
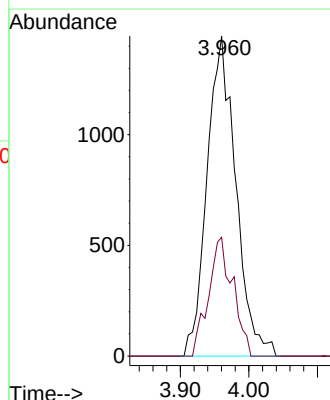
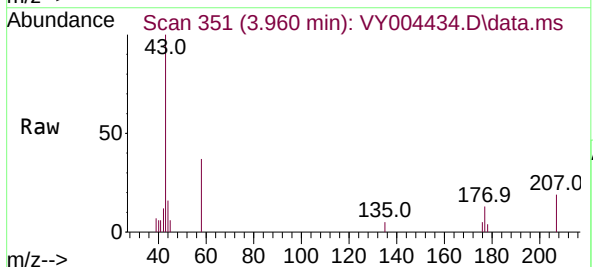
Tgt Ion: 59 Resp: 755  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#

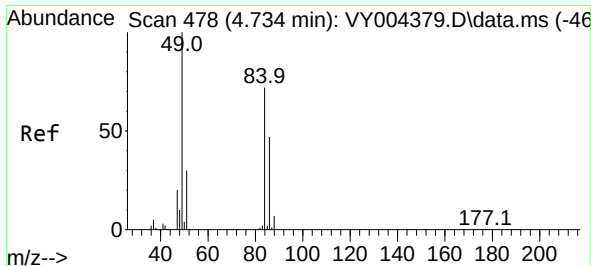


#16

Acetone  
Concen: Below Cal  
RT: 3.960 min Scan# 351  
Delta R.T. 0.000 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

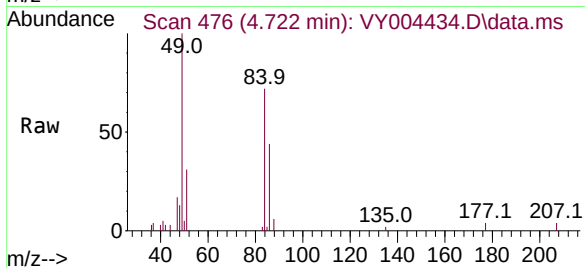
Tgt Ion: 43 Resp: 4210  
Ion Ratio Lower Upper  
43 100  
58 37.1 24.6 37.0#



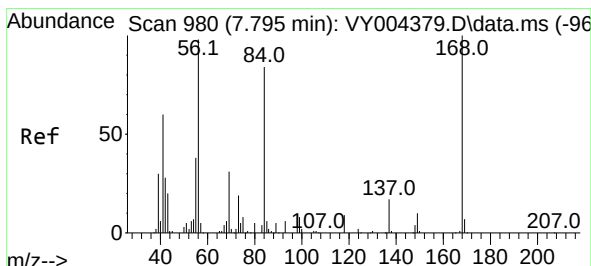
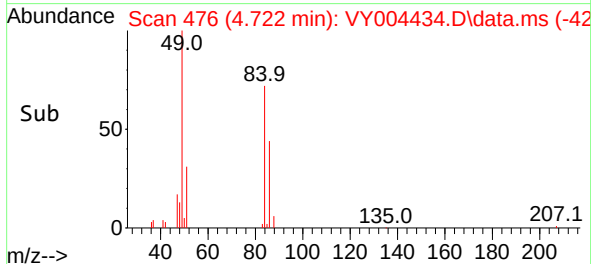
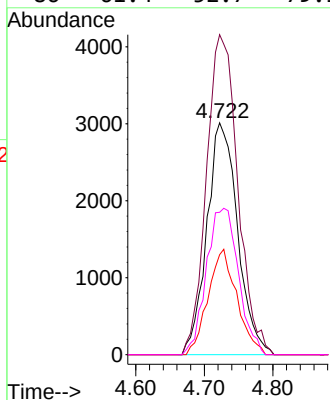


#20  
Methylene Chloride  
Concen: 5.54 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. -0.012 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

Instrument :  
MSVOA\_Y  
ClientSampled :

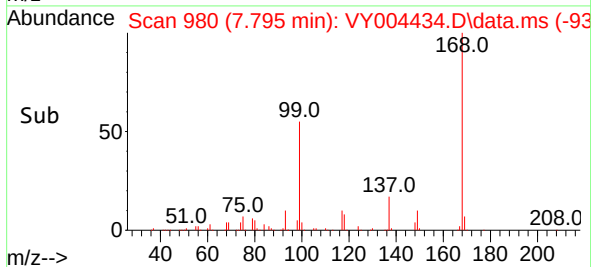
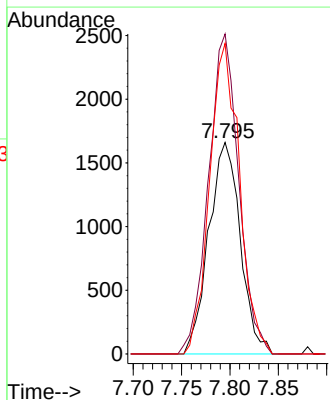
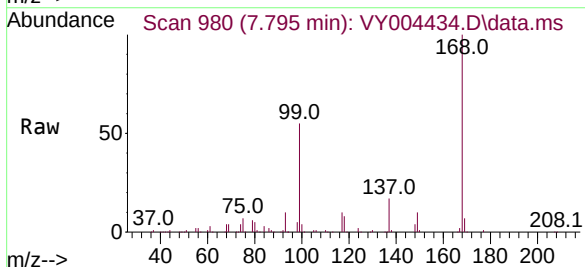


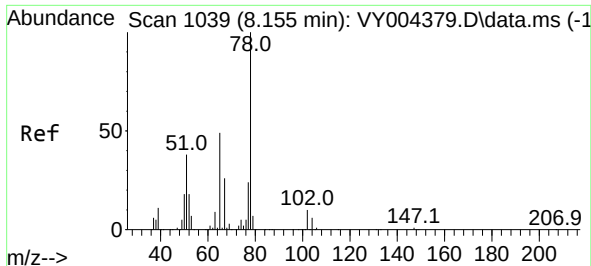
Tgt Ion: 84 Resp: 9394  
Ion Ratio Lower Upper  
84 100  
49 138.0 111.2 166.8  
51 43.2 33.4 50.2  
86 61.4 52.7 79.1



#31  
Cyclohexane  
Concen: 1.17 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

Tgt Ion: 56 Resp: 3764  
Ion Ratio Lower Upper  
56 100  
69 151.3 25.8 38.6#  
84 146.9 68.2 102.4#

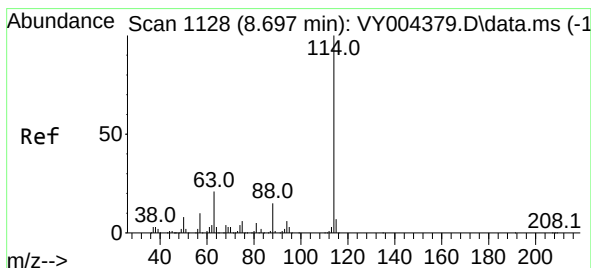
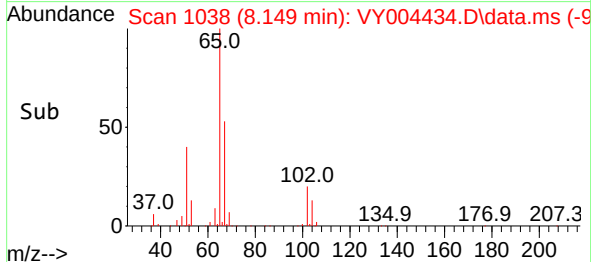
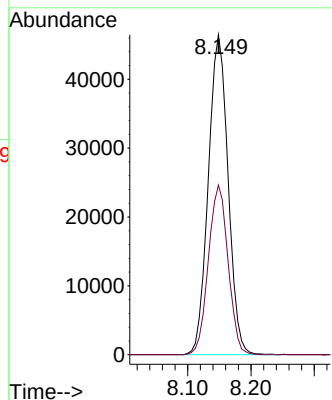
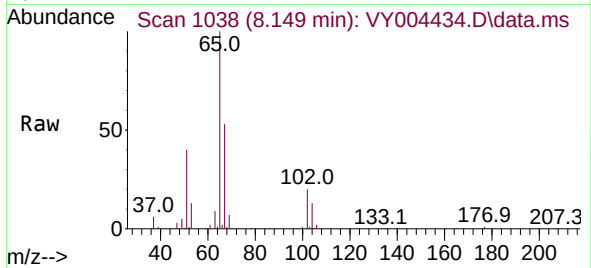




#33  
1,2-Dichloroethane-d4  
Concen: 57.52 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

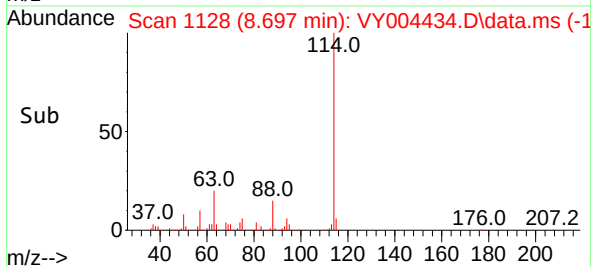
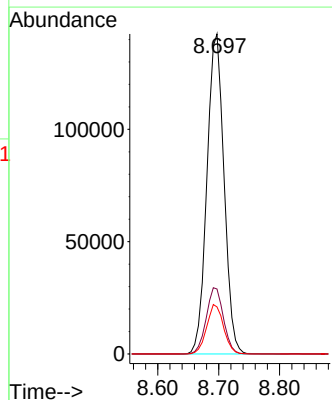
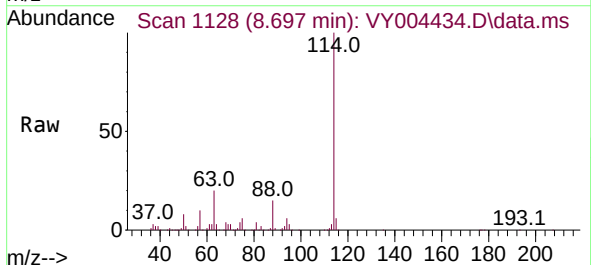
Instrument :  
MSVOA\_Y  
ClientSampled :

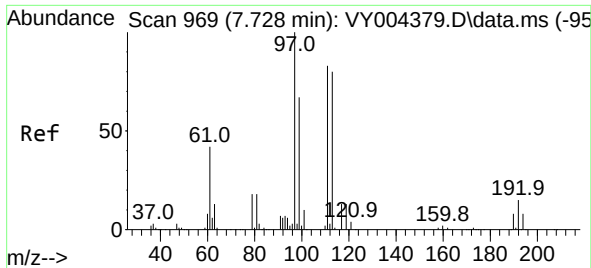
Tgt Ion: 65 Resp: 101044  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 106.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

Tgt Ion:114 Resp: 277268  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 42.4  
88 14.7 0.0 30.8

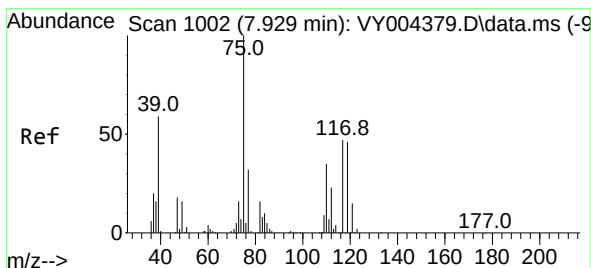
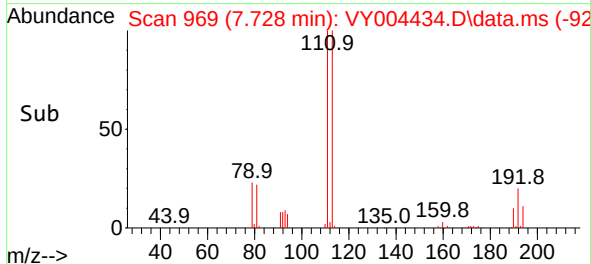
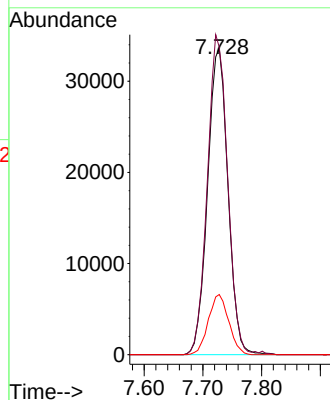
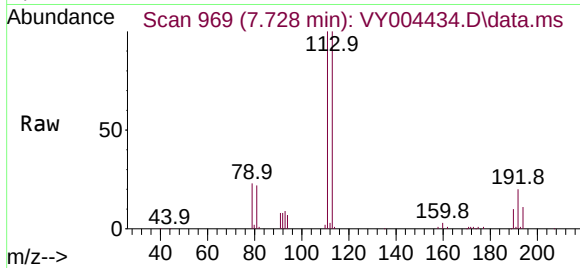




#35  
Dibromofluoromethane  
Concen: 52.66 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

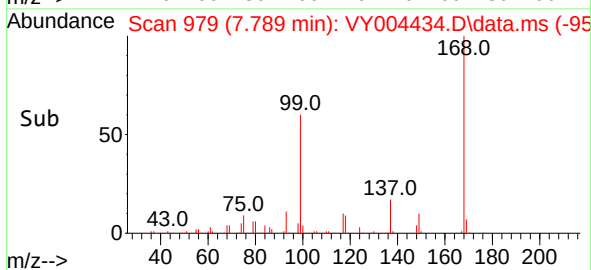
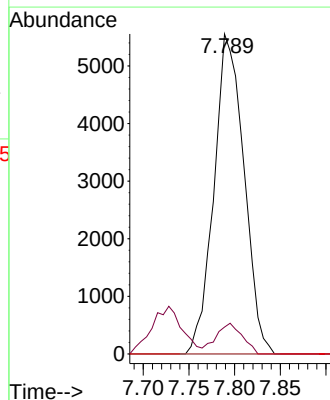
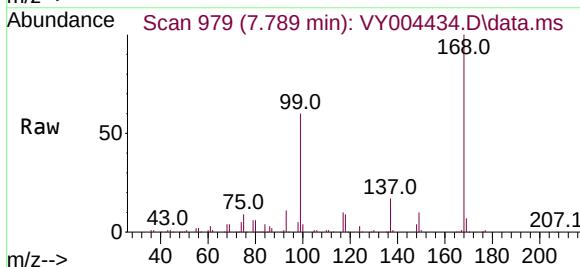
Instrument :  
MSVOA\_Y  
ClientSampleId :

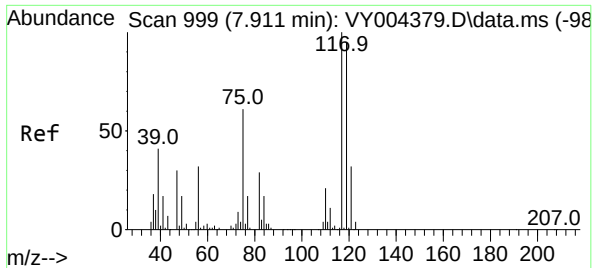
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 81034 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.1 | 82.6  | 123.8 |
| 192      | 19.7  | 16.1  | 24.1  |



#36  
1,1-Dichloropropene  
Concen: 4.60 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.140 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

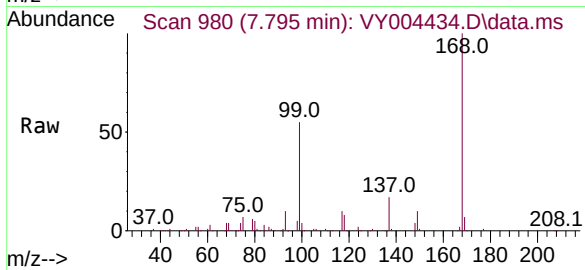
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12685 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.3   | 17.3  | 51.7# |
| 77       | 0.0   | 24.3  | 36.5# |



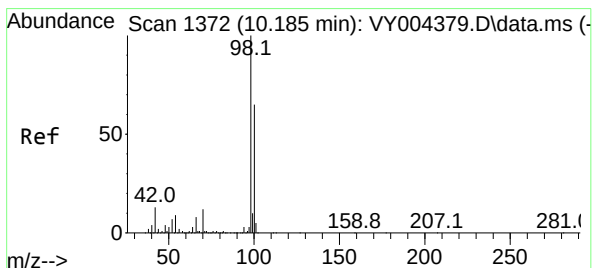
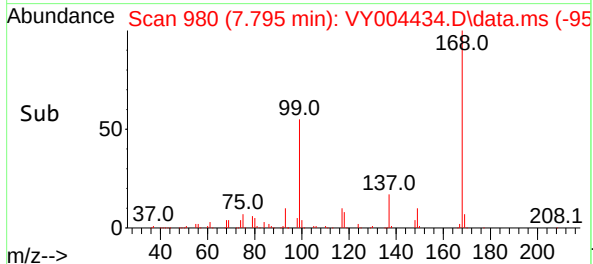
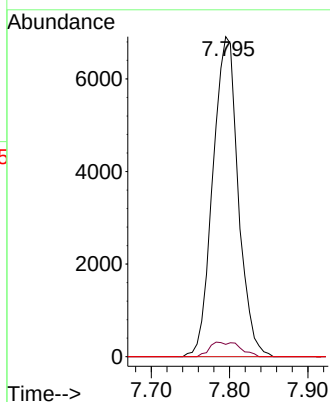


#38  
Carbon Tetrachloride  
Concen: 6.53 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

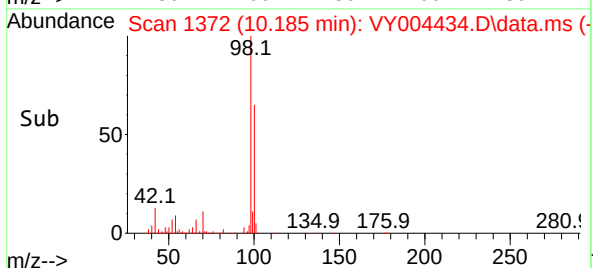
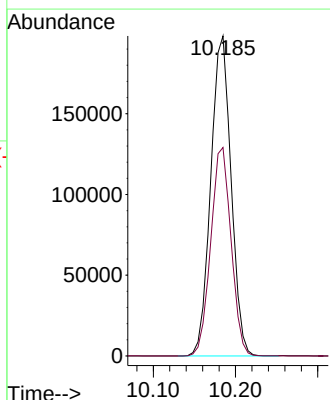
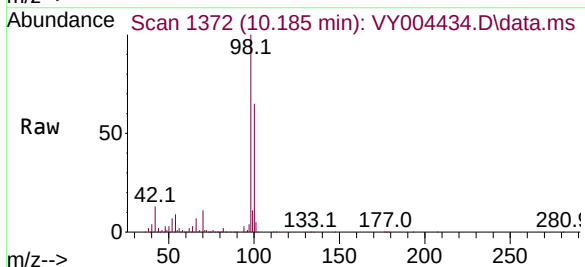


Tgt Ion:117 Resp: 15559  
Ion Ratio Lower Upper  
117 100  
119 3.9 75.8 113.8#  
121 0.0 25.3 37.9#

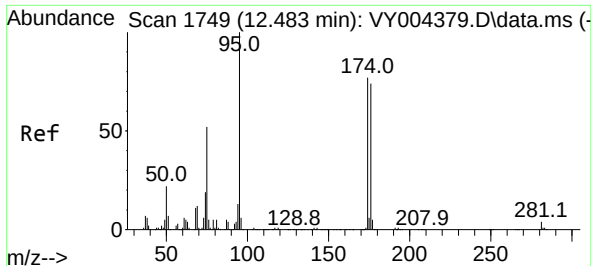


#50  
Toluene-d8  
Concen: 51.93 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

Tgt Ion: 98 Resp: 339889  
Ion Ratio Lower Upper  
98 100  
100 65.2 51.8 77.6



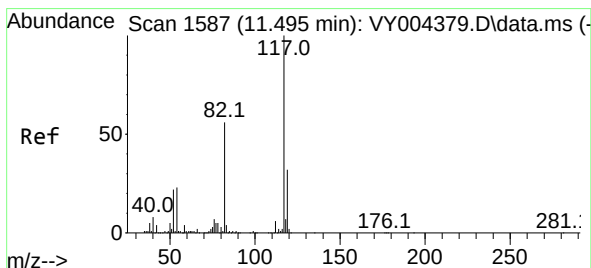
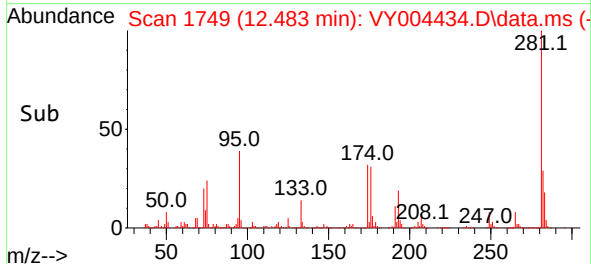
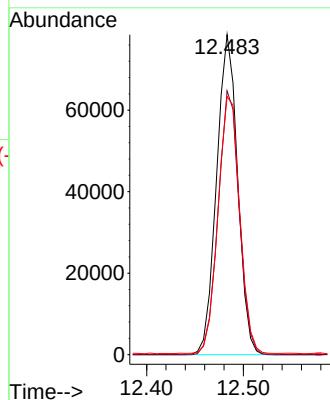
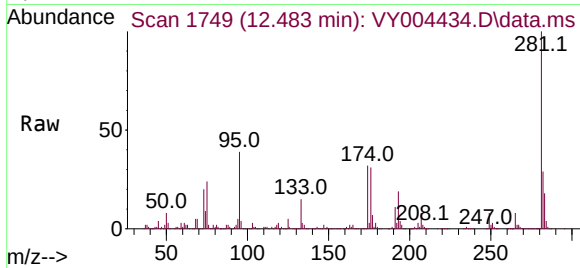




#62  
4-Bromofluorobenzene  
Concen: 53.33 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

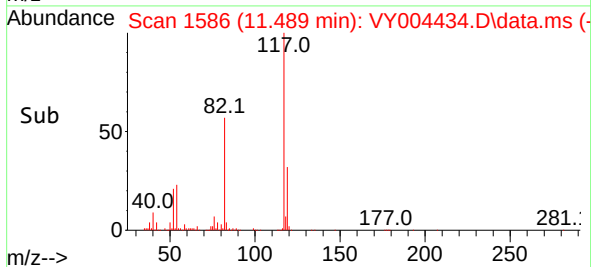
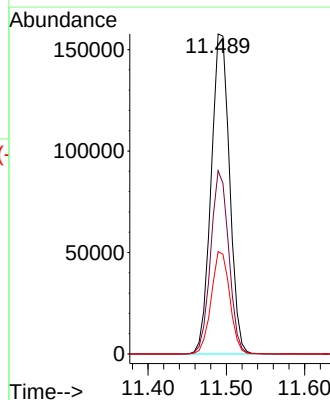
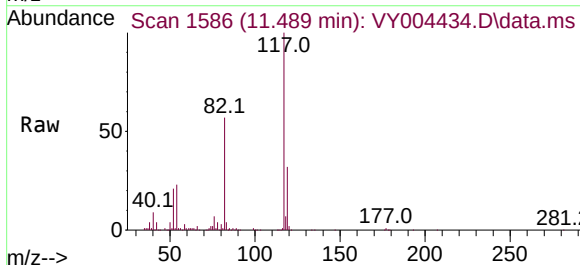
Instrument :  
MSVOA\_Y  
ClientSampleId :

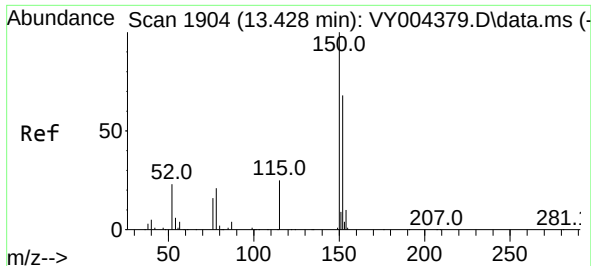
Tgt Ion: 95 Resp: 118437  
Ion Ratio Lower Upper  
95 100  
174 82.6 0.0 162.4  
176 82.9 0.0 156.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

Tgt Ion: 117 Resp: 257978  
Ion Ratio Lower Upper  
117 100  
82 57.2 44.9 67.3  
119 32.0 25.4 38.0

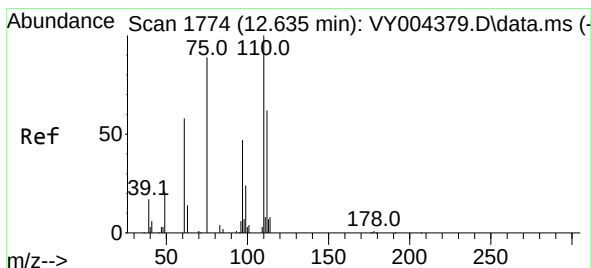
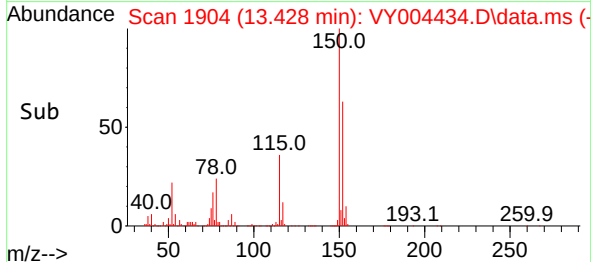
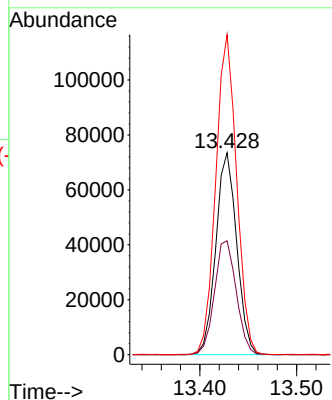
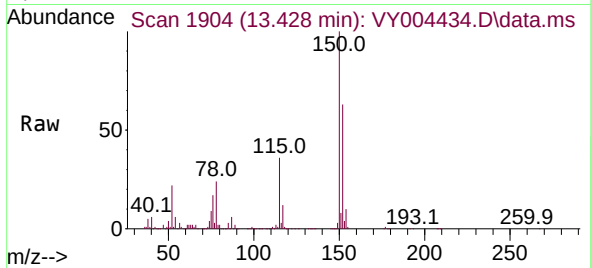




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY004434.D  
 Acq: 15 Apr 2021 12:15

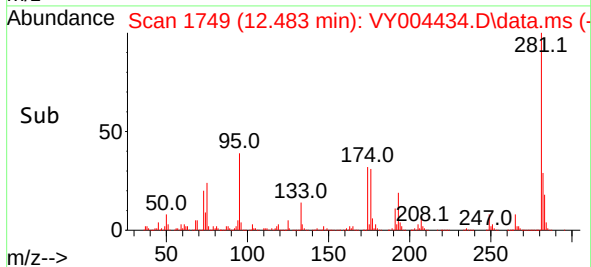
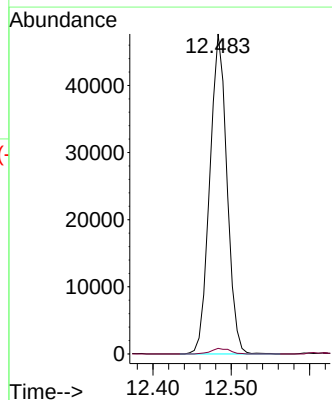
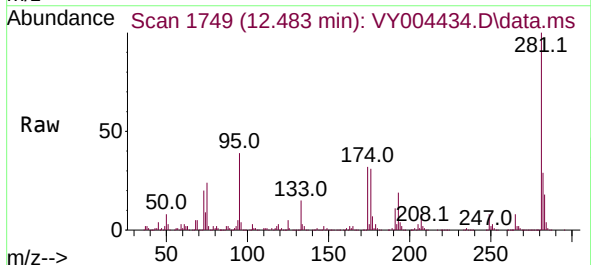
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

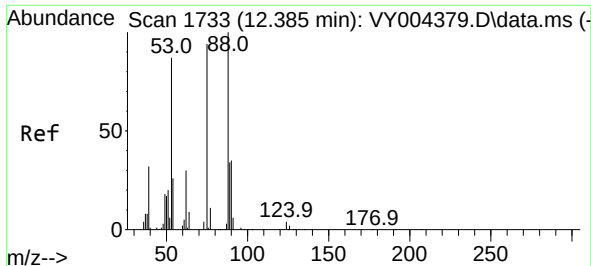
Tgt Ion:152 Resp: 109993  
 Ion Ratio Lower Upper  
 152 100  
 115 59.1 29.6 88.8  
 150 158.5 0.0 348.4



#76  
 1,2,3-Trichloropropane  
 Concen: 61.58 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY004434.D  
 Acq: 15 Apr 2021 12:15

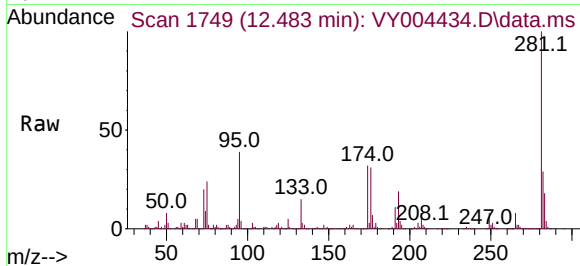
Tgt Ion: 75 Resp: 72693  
 Ion Ratio Lower Upper  
 75 100  
 77 1.9 0.0 0.0#



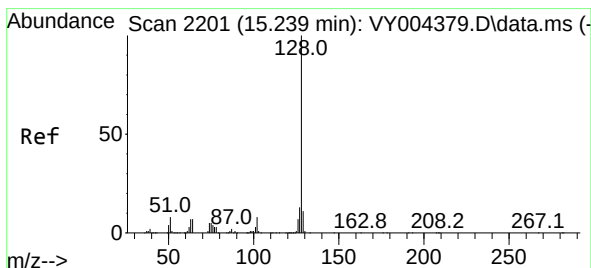
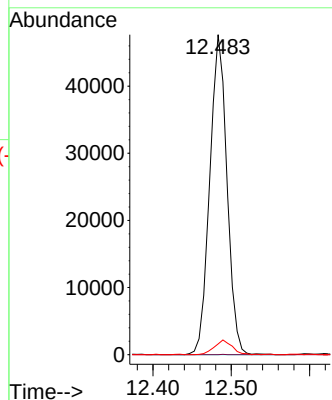
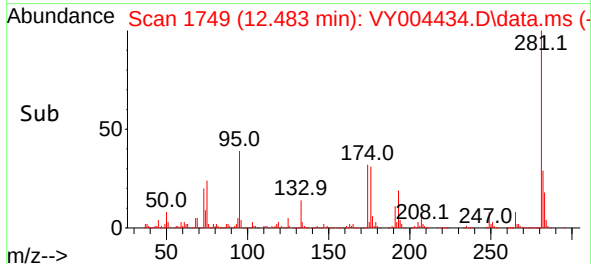


#81  
trans-1,4-Dichloro-2-butene  
Concen: 110.15 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.098 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15

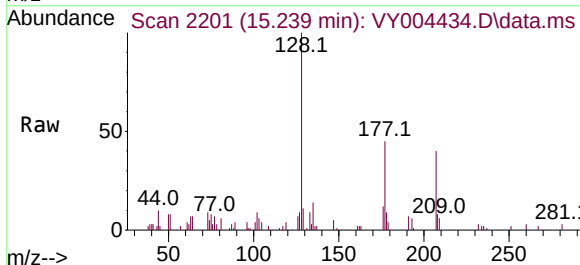
Instrument :  
MSVOA\_Y  
ClientSampled :



Tgt Ion: 75 Resp: 72693  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.0 112.6#  
89 4.7 36.1 54.1#



#95  
Naphthalene  
Concen: 1.56 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.000 min  
Lab File: VY004434.D  
Acq: 15 Apr 2021 12:15



Tgt Ion: 128 Resp: 7060  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.2 15.2  
129 10.7 8.8 13.2

