

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081921\  
 Data File : VY005766.D  
 Acq On : 19 Aug 2021 14:02  
 Operator : SY/MD  
 Sample : M3467-04  
 Misc : 6.35G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 20 06:56:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

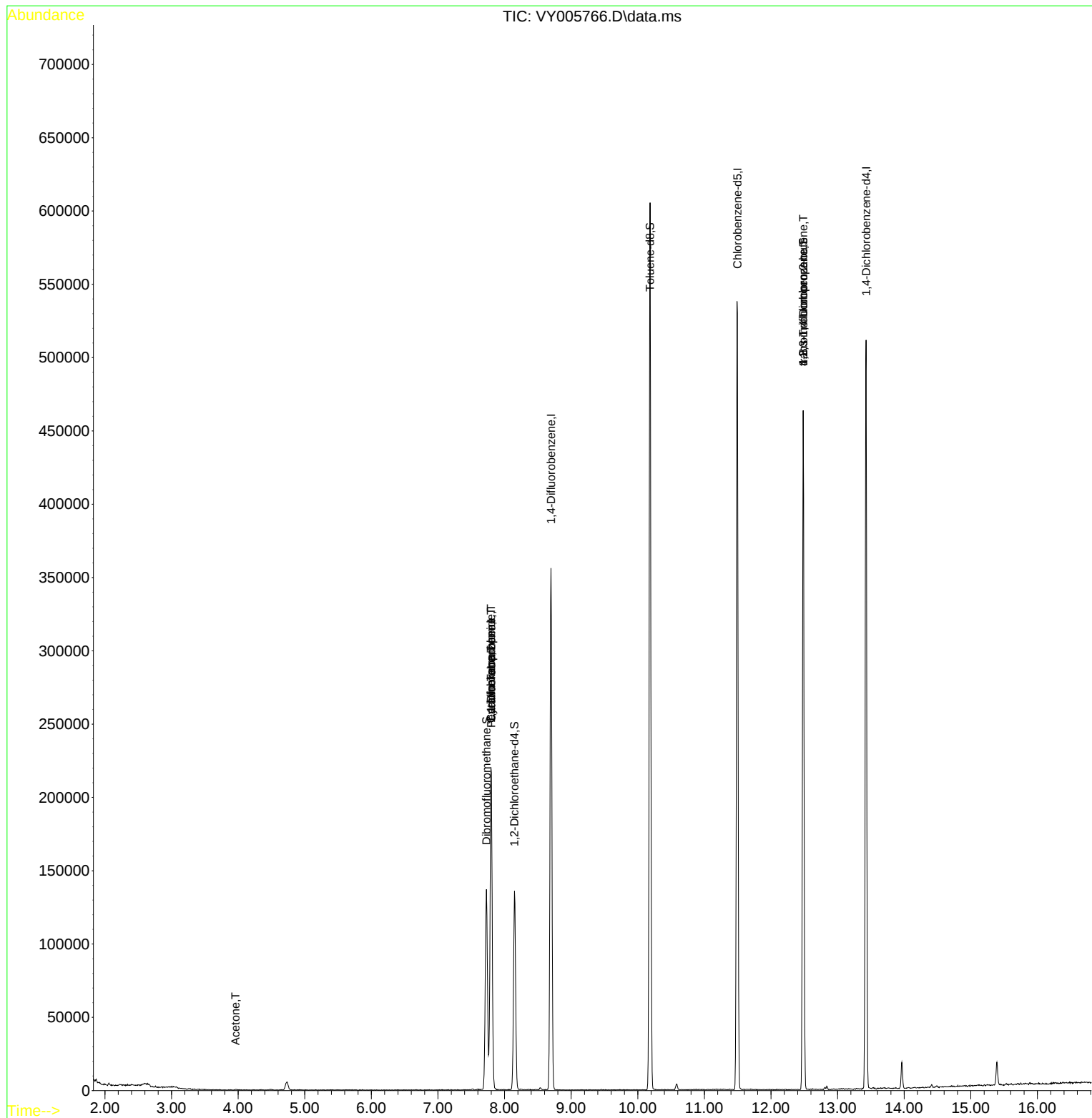
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 177726              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 297345              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 295251              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 134762              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 110951              | 61.673    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 123.340% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 90176               | 54.167    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 108.340% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 383257              | 54.893    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 109.780% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 121115              | 52.384    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 104.760% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
| 16) Acetone                   | 3.960          | 43   | 604                 | 1.332     | ug/l # | 45       |
| 20) Methylene Chloride        | 4.729          | 84   | 4131                | Below Cal |        | 90       |
| 31) Cyclohexane               | 7.795          | 56   | 3499                | 1.134     | ug/l # | 40       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 13034               | 4.674     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 15298               | 5.047     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 67104               | 48.051    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 67104               | 96.864    | ug/l # | 11       |
| -----                         |                |      |                     |           |        |          |

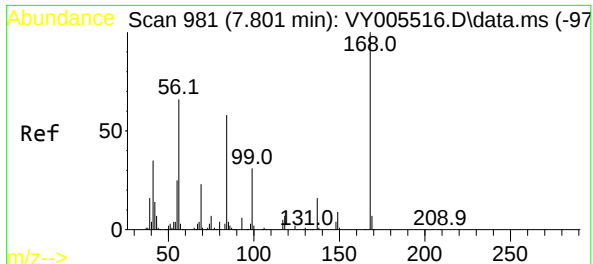
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 20 06:56:01 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

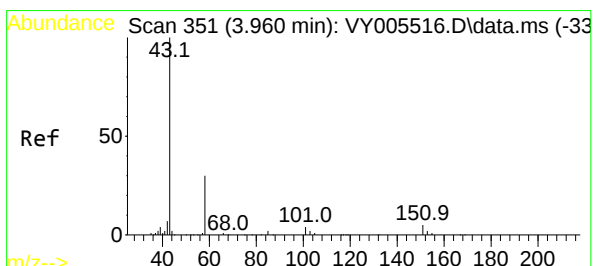
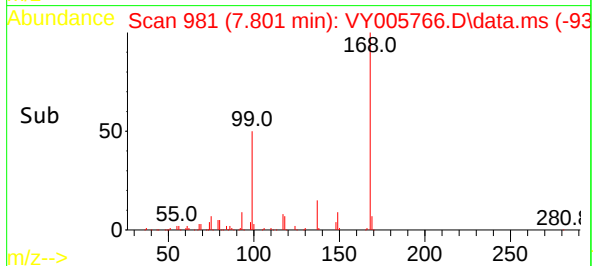
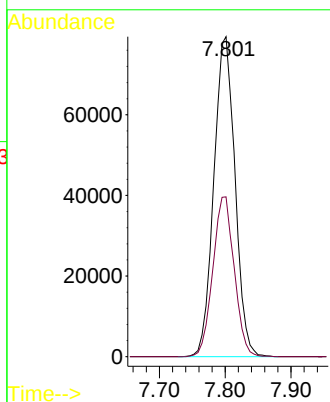
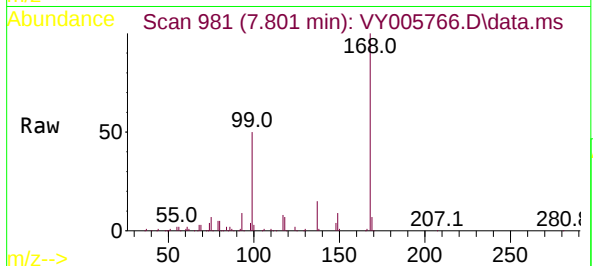




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02

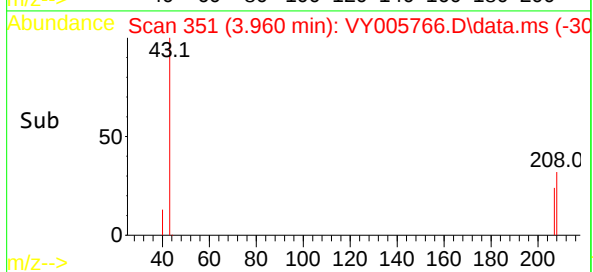
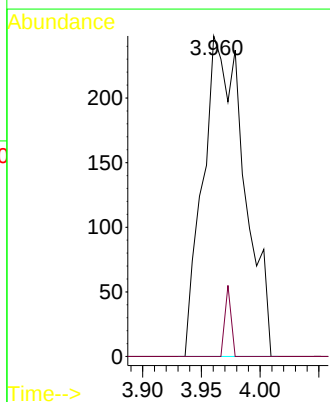
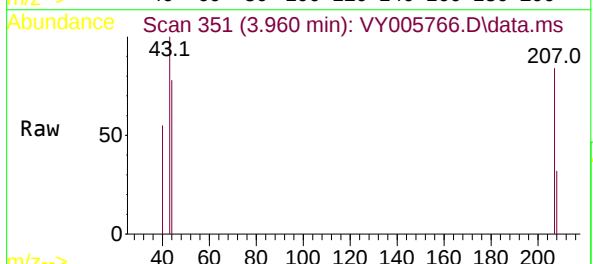
Instrument :  
MSVOA\_Y  
ClientSampled :

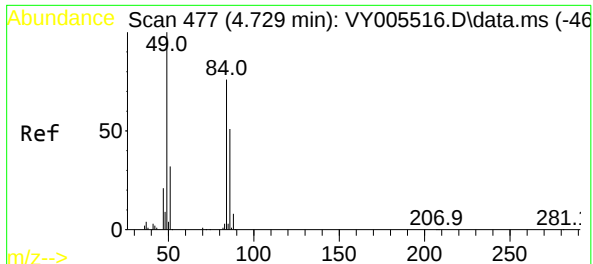
Tgt Ion:168 Resp: 177726  
Ion Ratio Lower Upper  
168 100  
99 50.0 38.9 58.3



#16  
Acetone  
Concen: 1.332 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.000 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02

Tgt Ion: 43 Resp: 604  
Ion Ratio Lower Upper  
43 100  
58 0.0 23.8 35.6#



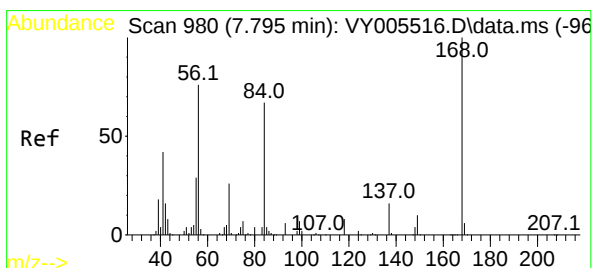
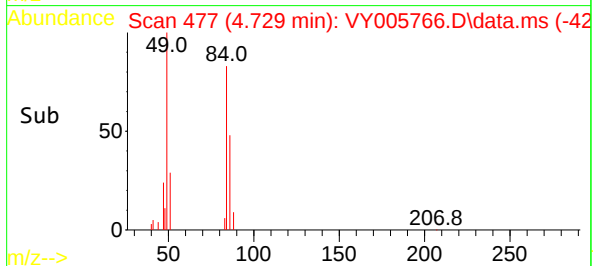
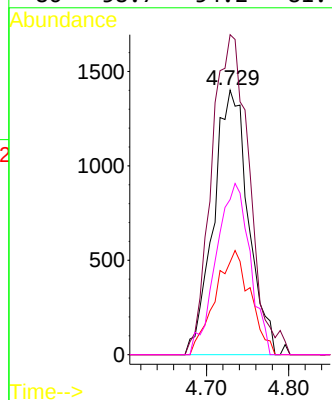
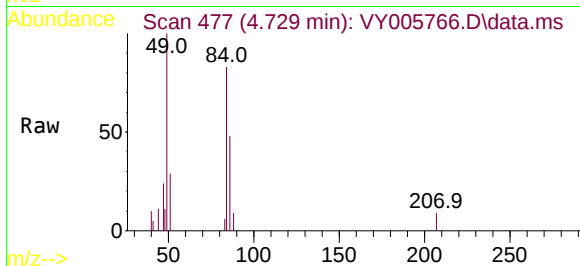


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.729 min Scan# 477  
Delta R.T. -0.000 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 84 Resp: 4131

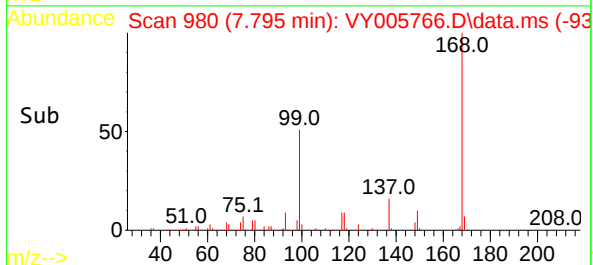
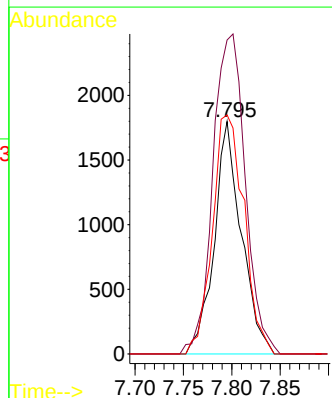
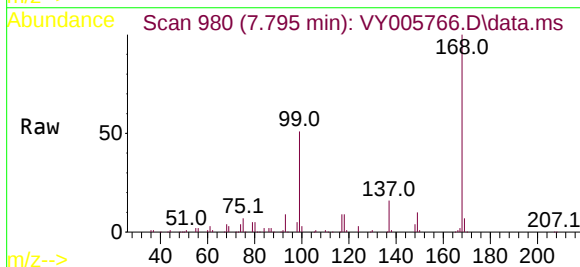
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 121.0 | 105.8 | 158.6 |
| 51  | 35.0  | 33.4  | 50.2  |
| 86  | 58.7  | 54.2  | 81.4  |

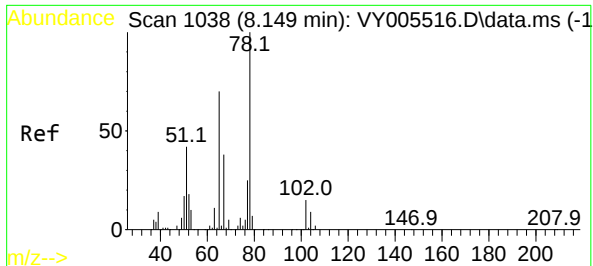


#31  
Cyclohexane  
Concen: 1.134 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02

Tgt Ion: 56 Resp: 3499

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 135.0 | 27.7  | 41.5# |
| 84  | 102.8 | 70.9  | 106.3 |

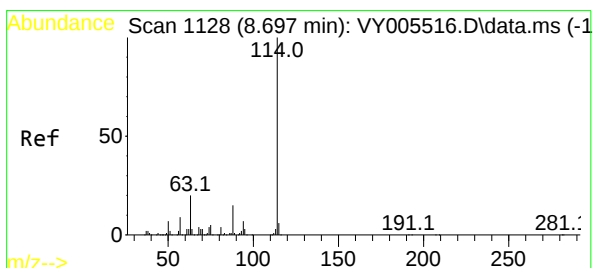
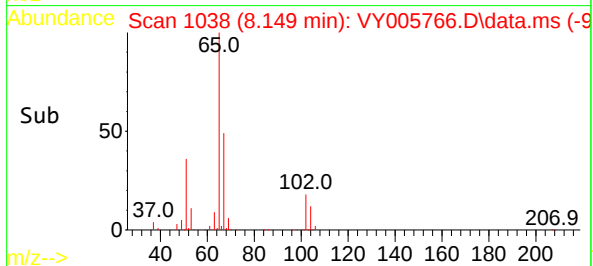
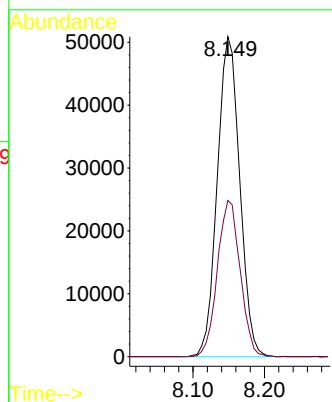
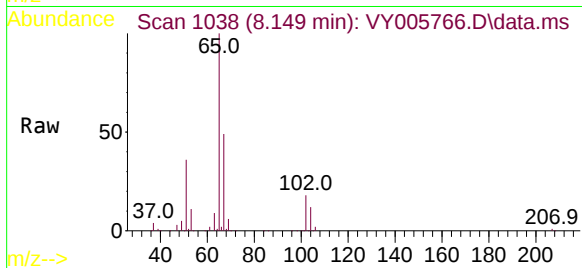




#33  
1,2-Dichloroethane-d4  
Concen: 61.673 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02

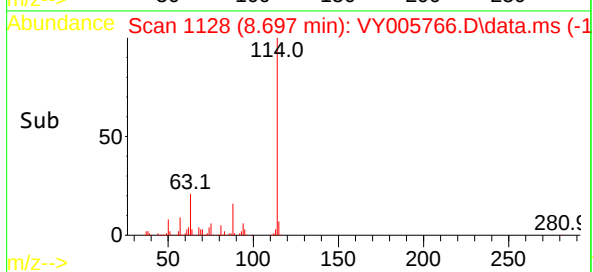
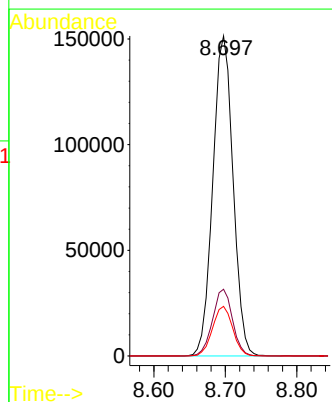
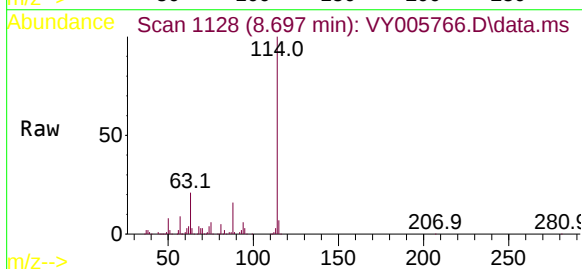
Instrument :  
MSVOA\_Y  
ClientSampled :

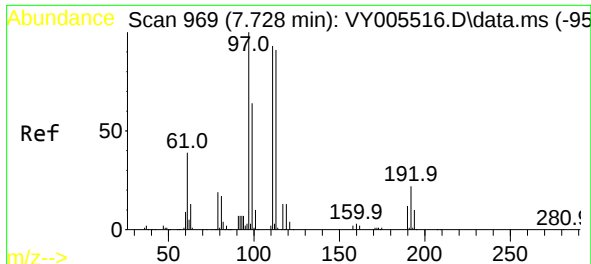
Tgt Ion: 65 Resp: 110951  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02

Tgt Ion: 114 Resp: 297345  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 39.2  
88 15.5 0.0 30.8

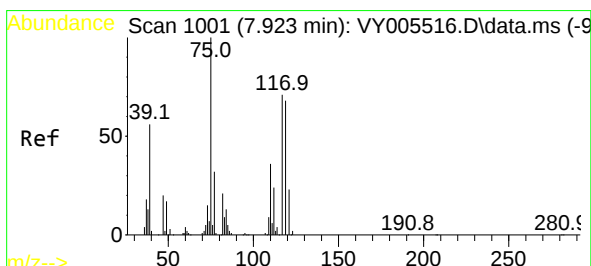
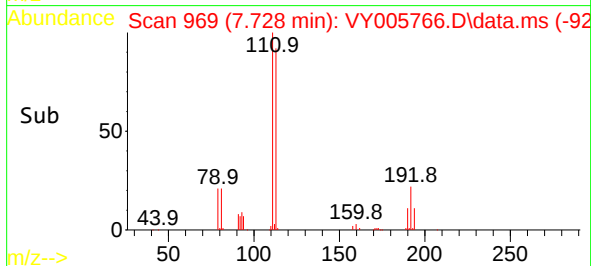
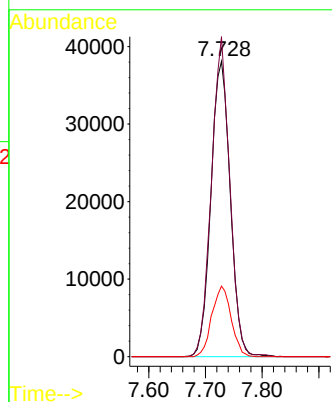
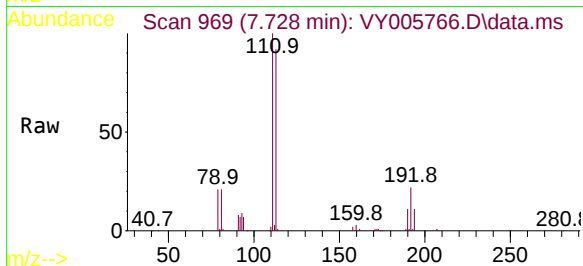




#35  
Dibromofluoromethane  
Concen: 54.167 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02

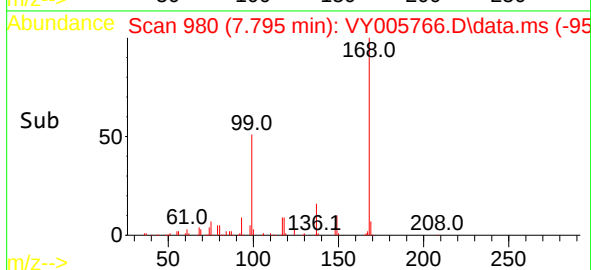
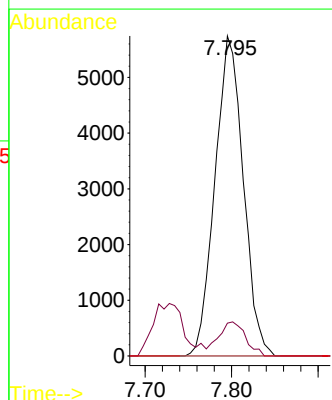
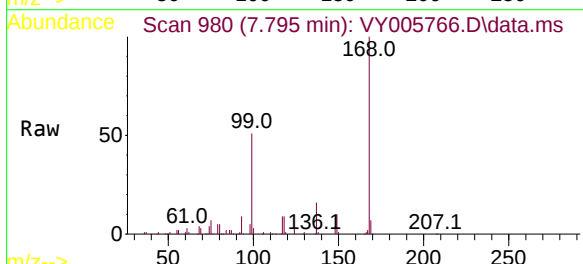
Instrument :  
MSVOA\_Y  
ClientSampleId :

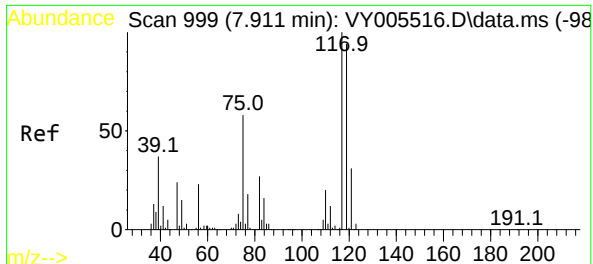
Tgt Ion:113 Resp: 90176  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.9 122.9  
192 23.8 19.2 28.8



#36  
1,1-Dichloropropene  
Concen: 4.674 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02

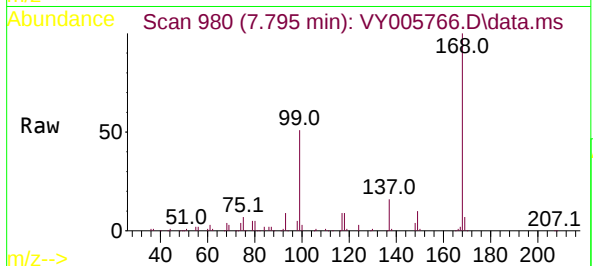
Tgt Ion: 75 Resp: 13034  
Ion Ratio Lower Upper  
75 100  
110 10.1 18.1 54.1#  
77 0.0 25.1 37.7#



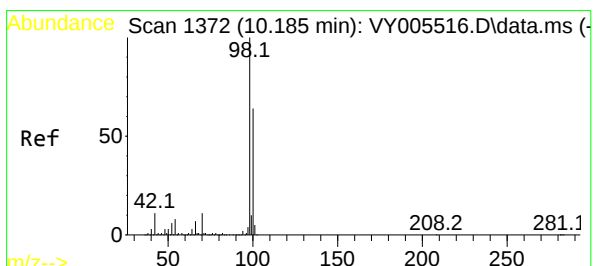
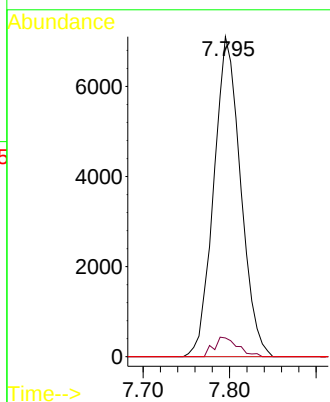
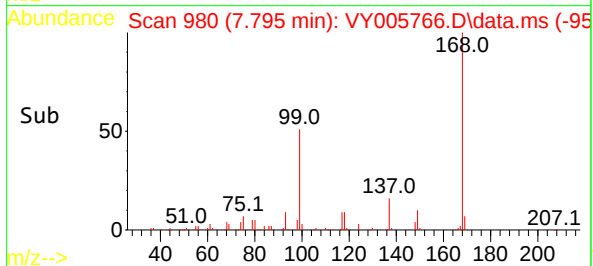


#38  
Carbon Tetrachloride  
Concen: 5.047 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02

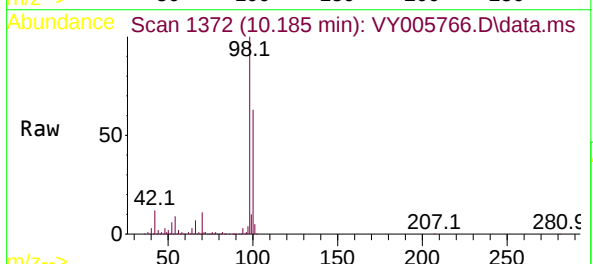
Instrument :  
MSVOA\_Y  
ClientSampleId :



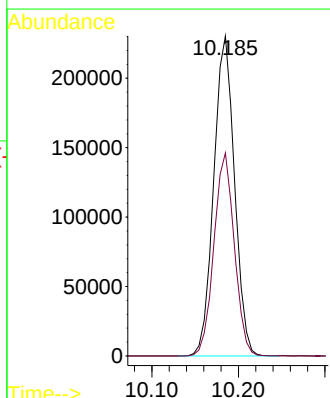
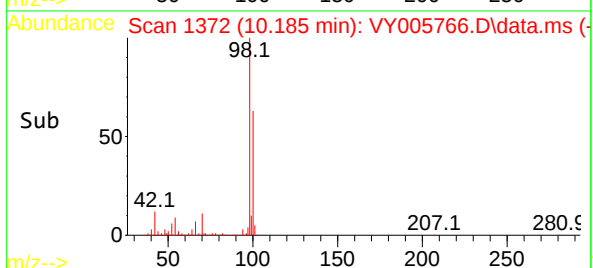
Tgt Ion:117 Resp: 15298  
Ion Ratio Lower Upper  
117 100  
119 5.9 75.4 113.0#  
121 0.0 25.1 37.7#

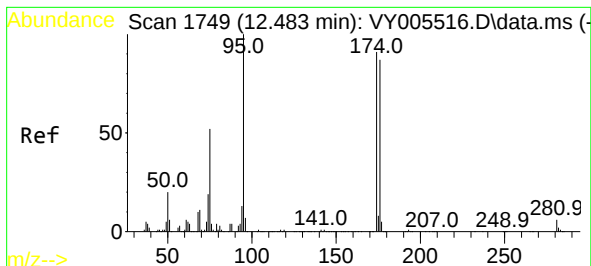


#50  
Toluene-d8  
Concen: 54.893 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02



Tgt Ion: 98 Resp: 383257  
Ion Ratio Lower Upper  
98 100  
100 62.4 51.3 76.9

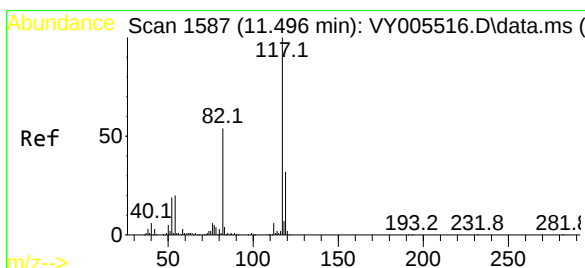
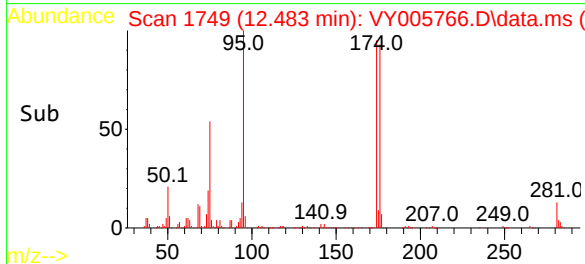
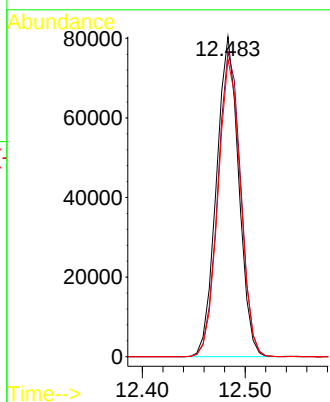
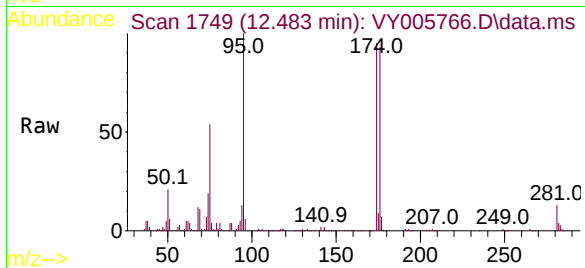




#62  
4-Bromofluorobenzene  
Concen: 52.384 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02

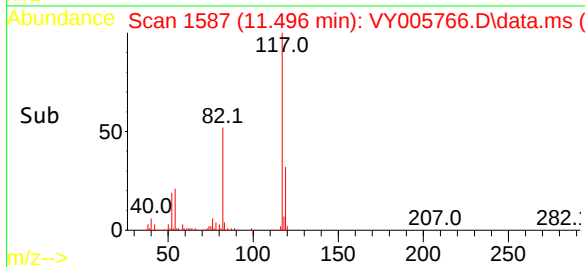
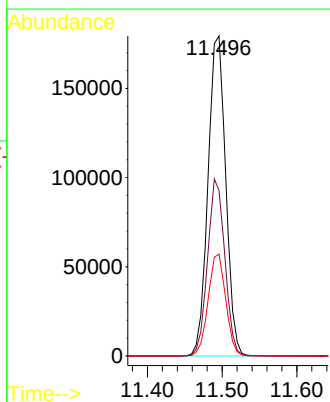
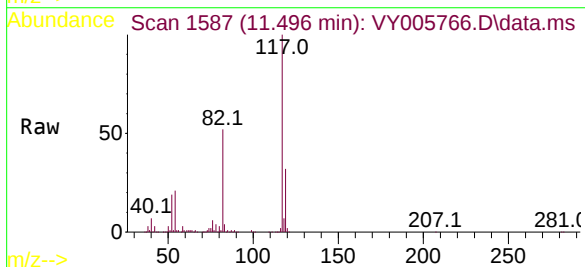
Instrument :  
MSVOA\_Y  
ClientSampleId :

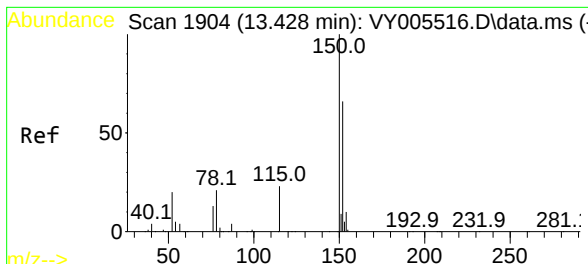
Tgt Ion: 95 Resp: 121115  
Ion Ratio Lower Upper  
95 100  
174 97.8 0.0 191.4  
176 93.8 0.0 183.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY005766.D  
Acq: 19 Aug 2021 14:02

Tgt Ion: 117 Resp: 295251  
Ion Ratio Lower Upper  
117 100  
82 51.8 43.5 65.3  
119 31.9 25.5 38.3

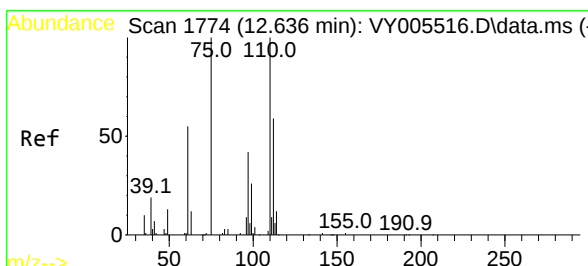
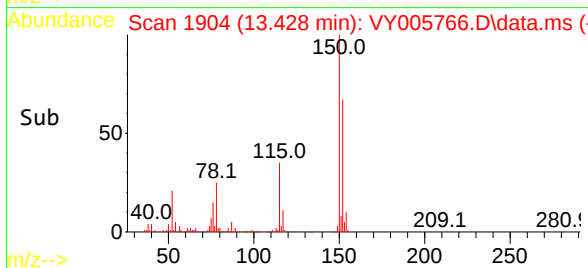
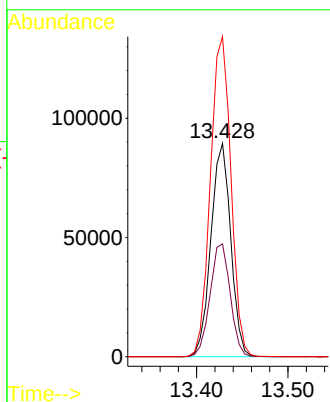
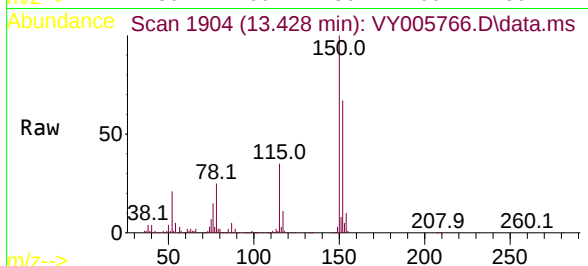




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY005766.D  
 Acq: 19 Aug 2021 14:02

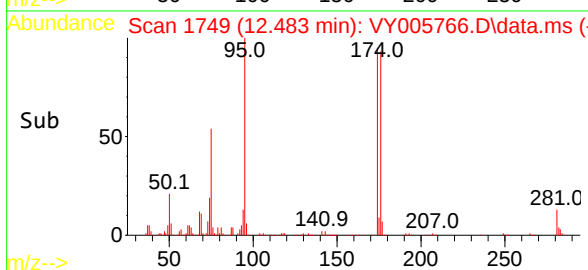
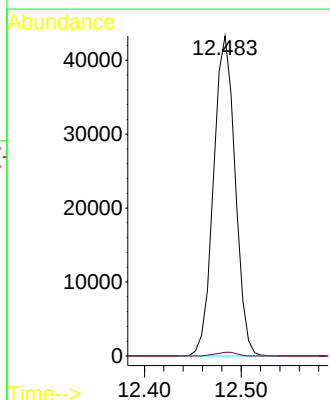
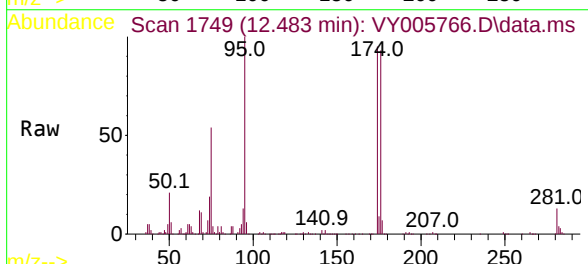
Instrument :  
 MSVOA\_Y  
 ClientSampled :

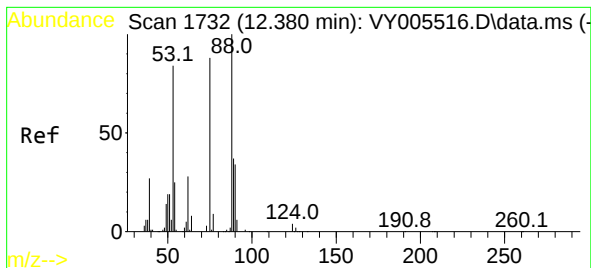
Tgt Ion:152 Resp: 134762  
 Ion Ratio Lower Upper  
 152 100  
 115 53.7 27.3 81.9  
 150 155.1 0.0 350.2



#76  
 1,2,3-Trichloropropane  
 Concen: 48.051 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY005766.D  
 Acq: 19 Aug 2021 14:02

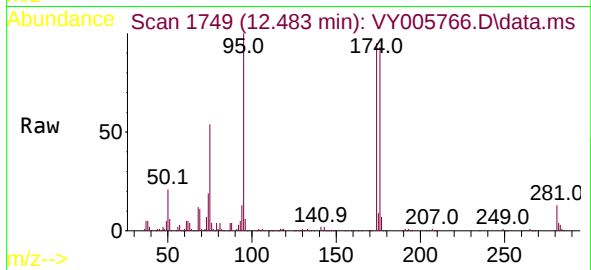
Tgt Ion: 75 Resp: 67104  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 96.864 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY005766.D  
 Acq: 19 Aug 2021 14:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 67104  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 76.7 115.1#  
 89 0.0 38.4 57.6#

