

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081021\  
 Data File : VY005595.D  
 Acq On : 10 Aug 2021 15:03  
 Operator : SY/MD  
 Sample : M3339-01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 11 03:37:28 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

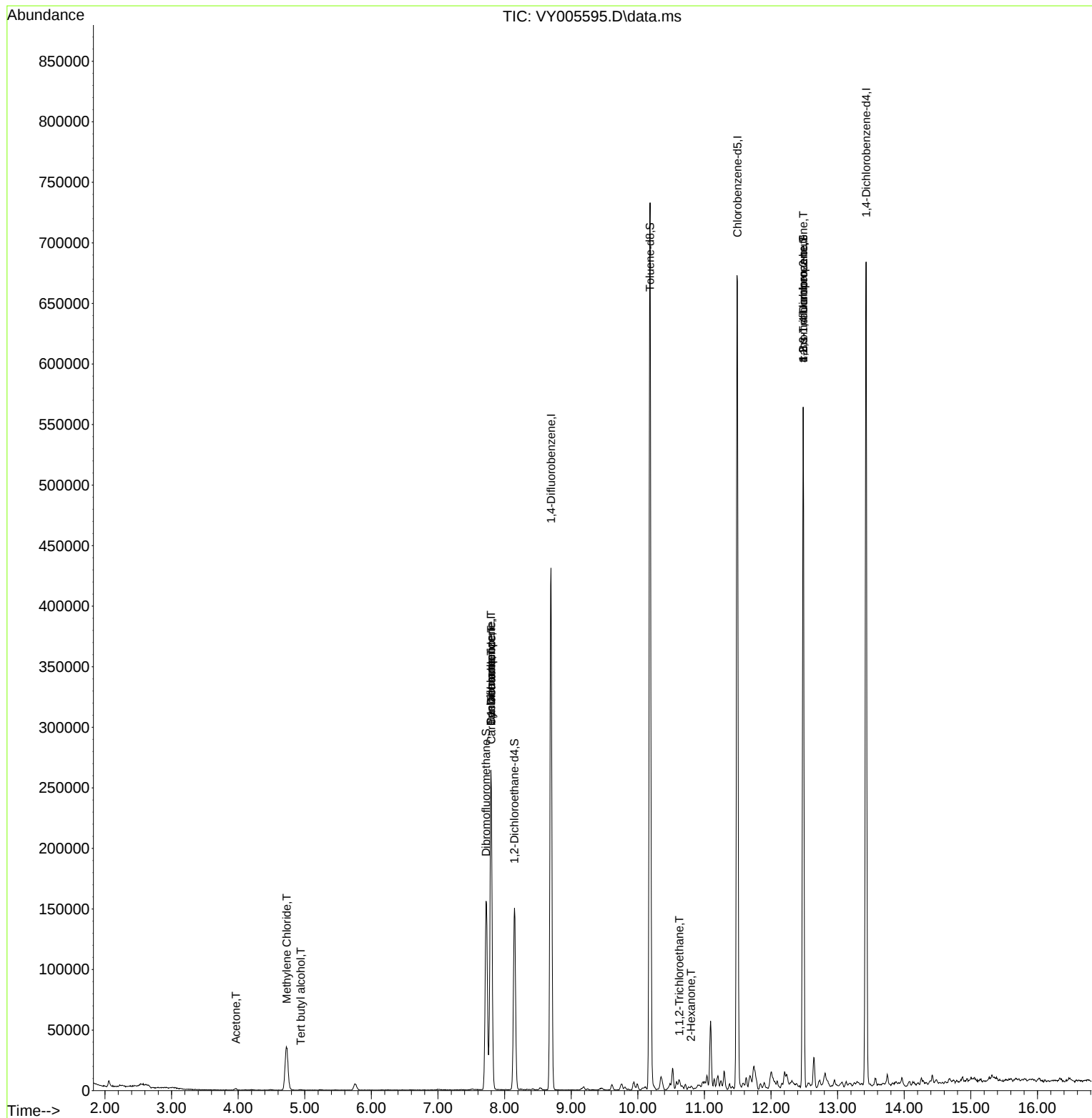
| Compound                      | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                         |                |      |                    |       |        |          |
| Internal Standards            |                |      |                    |       |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 213069             | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 362532             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.495         | 117  | 360384             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 177064             | 50.00 | ug/l   | 0.00     |
|                               |                |      |                    |       |        |          |
| System Monitoring Compounds   |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 124896             | 57.91 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 115.82% |       |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 107049             | 52.74 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 105.48% |       |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 462485             | 54.33 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 108.66% |       |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 159416             | 56.55 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 113.10% |       |        |          |
|                               |                |      |                    |       |        |          |
| Target Compounds              |                |      |                    |       |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.942          | 59   | 432                | 2.03  | ug/l # | 73       |
| 16) Acetone                   | 3.966          | 43   | 2141               | 3.94  | ug/l   | 94       |
| 20) Methylene Chloride        | 4.728          | 84   | 27571              | 7.66  | ug/l   | 97       |
| 31) Cyclohexane               | 7.795          | 56   | 4676               | 1.26  | ug/l # | 21       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 15311              | 4.50  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 19274              | 5.22  | ug/l # | 17       |
| 55) 1,1,2-Trichloroethane     | 10.624         | 97   | 3018               | 1.55  | ug/l # | 23       |
| 59) 2-Hexanone                | 10.800         | 43   | 1523               | 1.05  | ug/l # | 25       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 87303              | 47.58 | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 87303              | 95.91 | ug/l # | 11       |
| -----                         |                |      |                    |       |        |          |

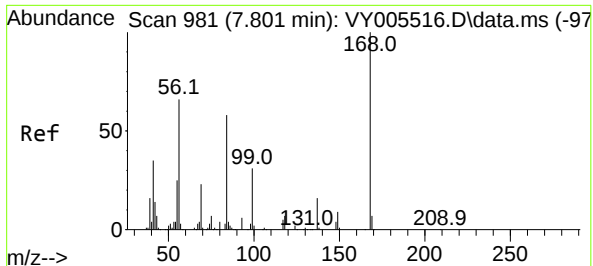
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081021\  
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Sample : M3339-01  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 11 03:37:28 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

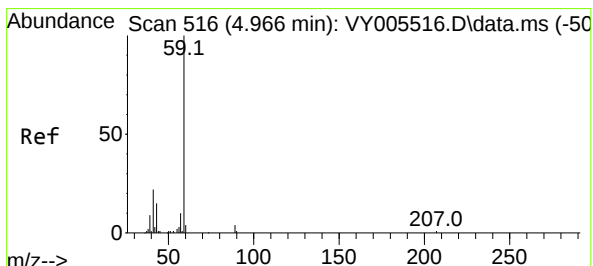
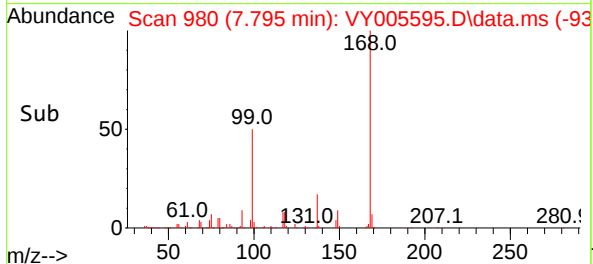
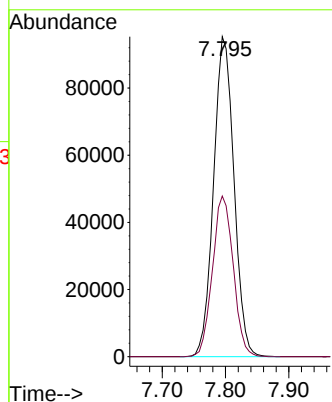
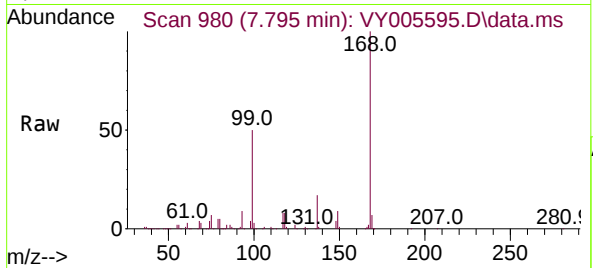




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

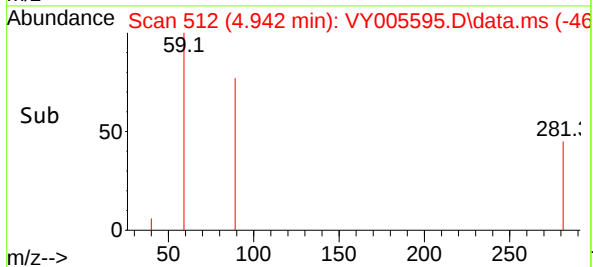
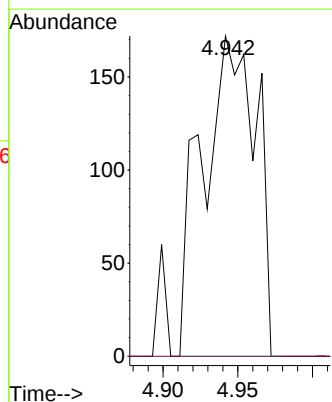
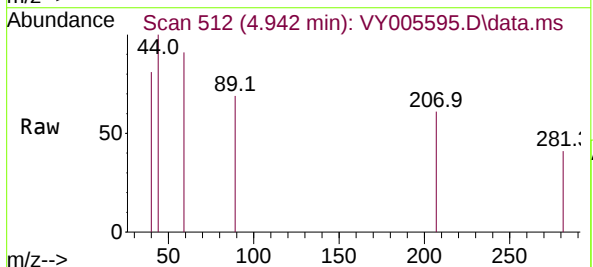
Instrument :  
MSVOA\_Y  
ClientSampleId :

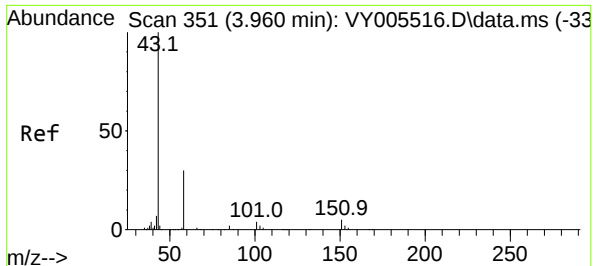
Tgt Ion:168 Resp: 213069  
Ion Ratio Lower Upper  
168 100  
99 50.2 38.9 58.3



#11  
Tert butyl alcohol  
Concen: 2.03 ug/l  
RT: 4.942 min Scan# 512  
Delta R.T. -0.025 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

Tgt Ion: 59 Resp: 432  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

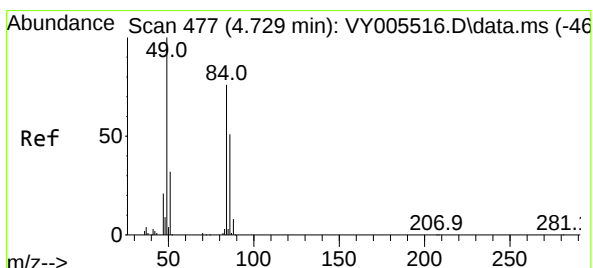
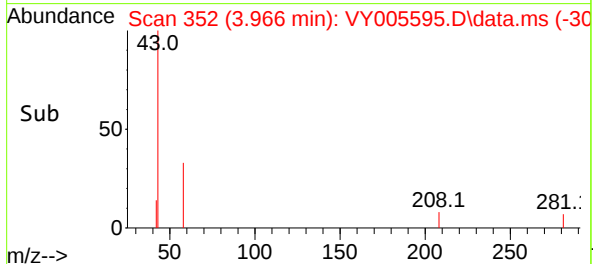
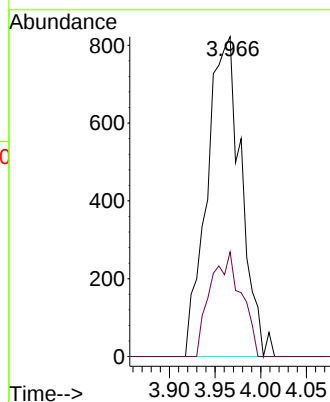
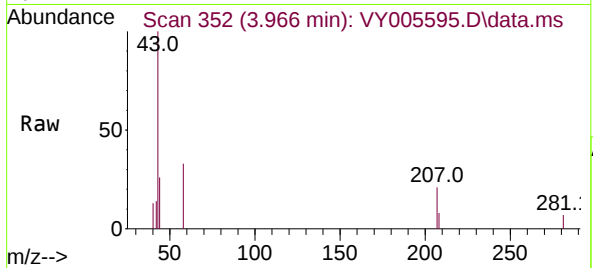




#16  
Acetone  
Concen: 3.94 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

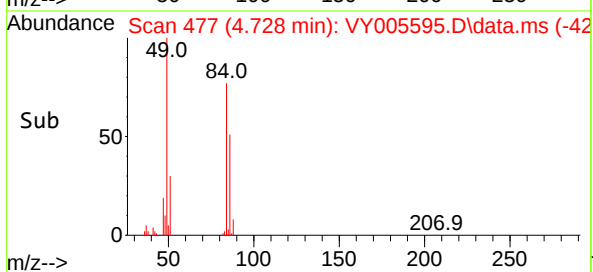
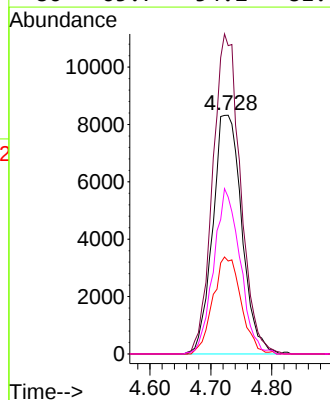
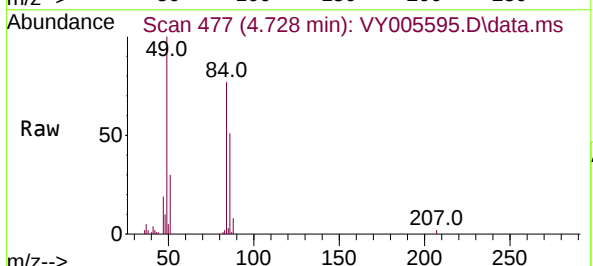
Instrument :  
MSVOA\_Y  
ClientSampleId :

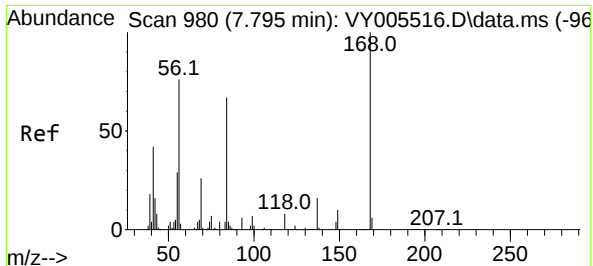
Tgt Ion: 43 Resp: 2141  
Ion Ratio Lower Upper  
43 100  
58 32.7 23.8 35.6



#20  
Methylene Chloride  
Concen: 7.66 ug/l  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

Tgt Ion: 84 Resp: 27571  
Ion Ratio Lower Upper  
84 100  
49 129.2 105.8 158.6  
51 38.9 33.4 50.2  
86 65.7 54.2 81.4

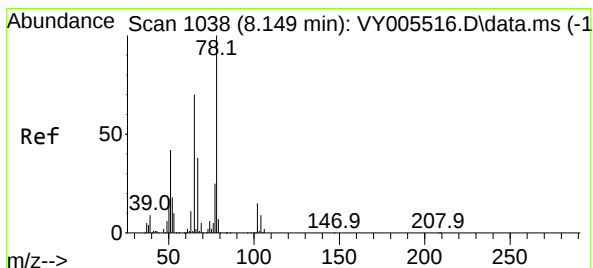
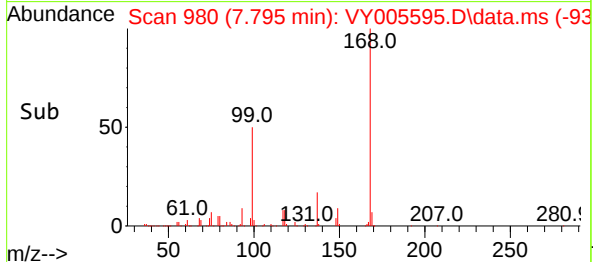
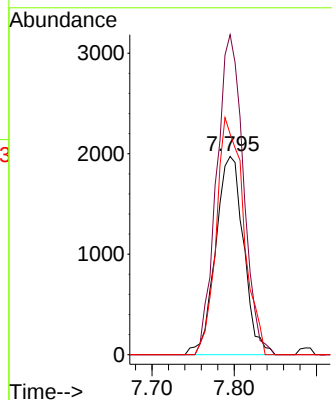
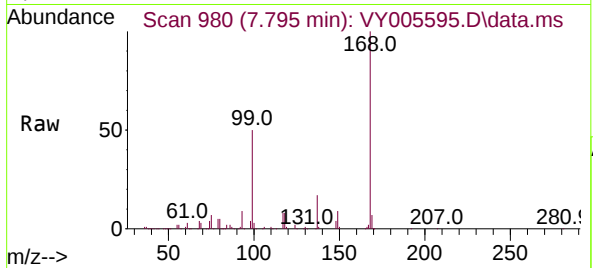




#31  
Cyclohexane  
Concen: 1.26 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

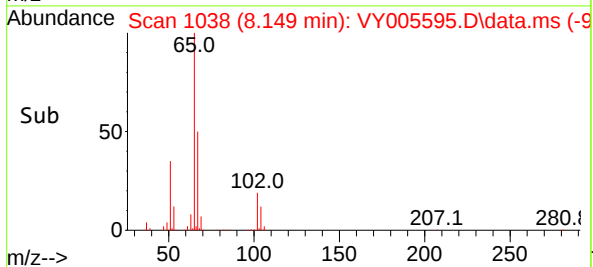
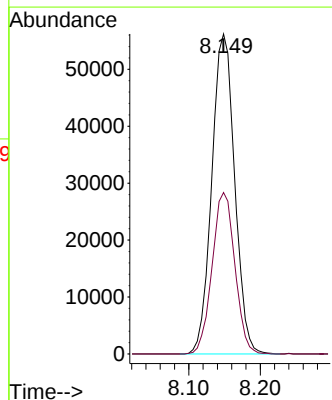
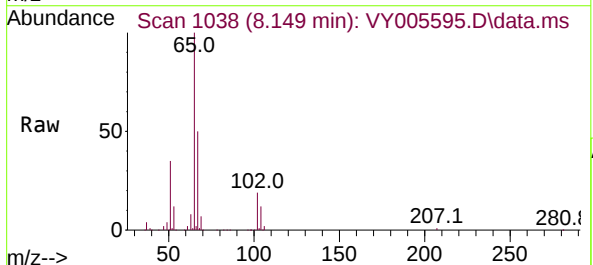
Instrument :  
MSVOA\_Y  
ClientSampleId :

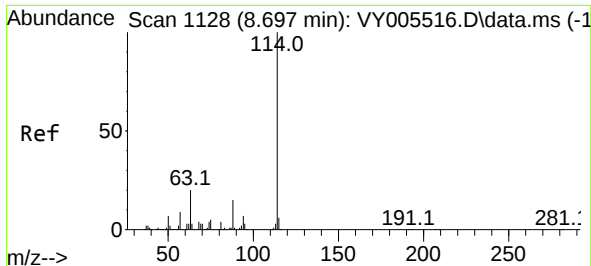
Tgt Ion: 56 Resp: 4676  
Ion Ratio Lower Upper  
56 100  
69 161.4 27.7 41.5#  
84 111.4 70.9 106.3#



#33  
1,2-Dichloroethane-d4  
Concen: 57.91 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

Tgt Ion: 65 Resp: 124896  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 103.4

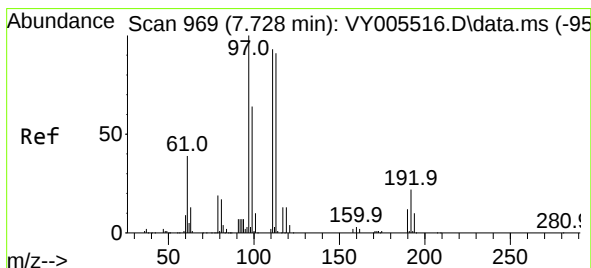
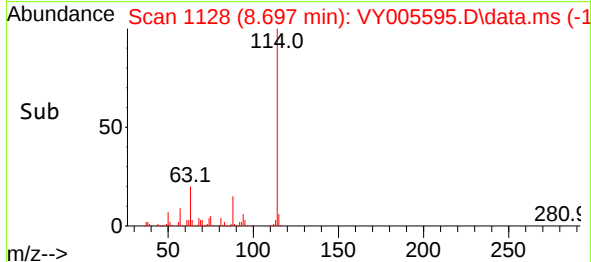
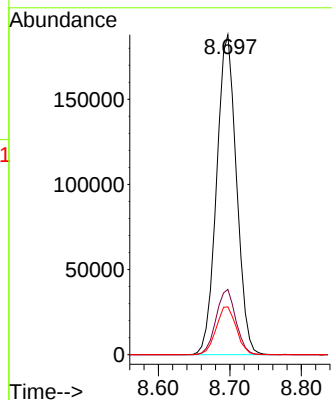
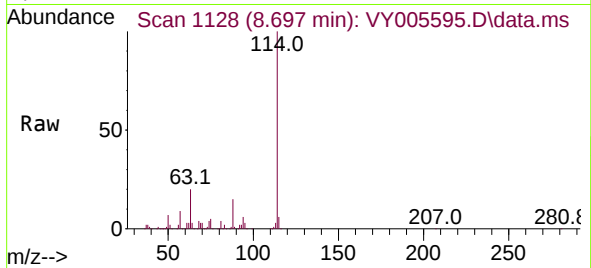




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

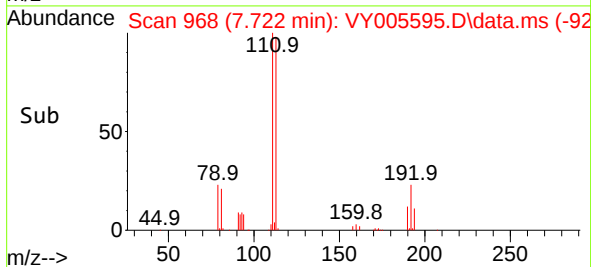
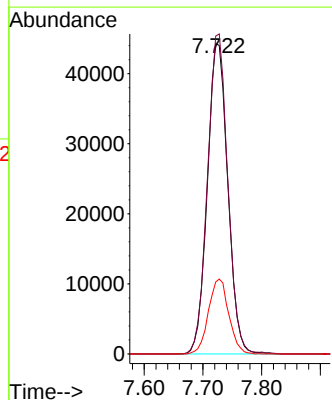
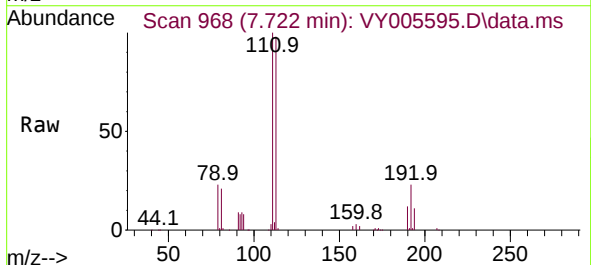
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:114 Resp: 362532  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 39.2  
88 15.0 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 52.74 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

Tgt Ion:113 Resp: 107049  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.9 122.9  
192 24.0 19.2 28.8





#36

1,1-Dichloropropene

Concen: 4.50 ug/l

RT: 7.795 min Scan# 980

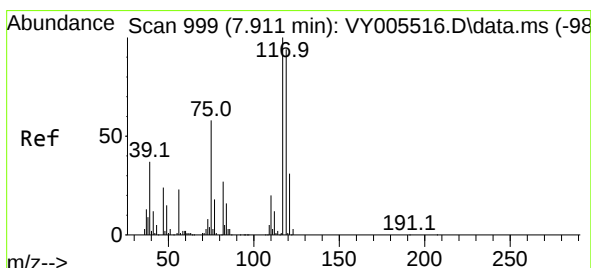
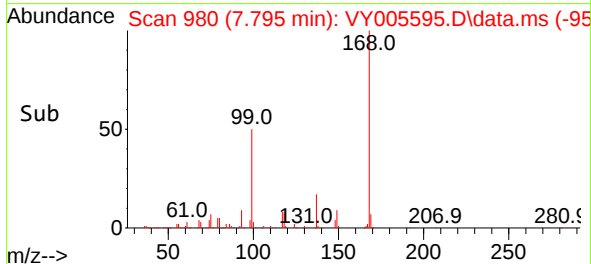
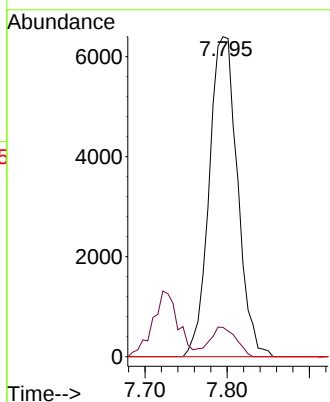
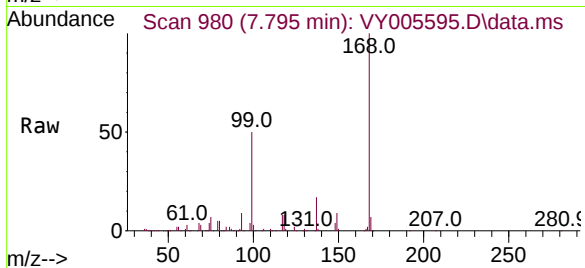
Delta R.T. -0.128 min

Lab File: VY005595.D

Acq: 10 Aug 2021 15:03

Instrument :  
MSVOA\_Y  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 15311 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.5   | 18.1  | 54.1# |
| 77       | 0.0   | 25.1  | 37.7# |



#38

Carbon Tetrachloride

Concen: 5.22 ug/l

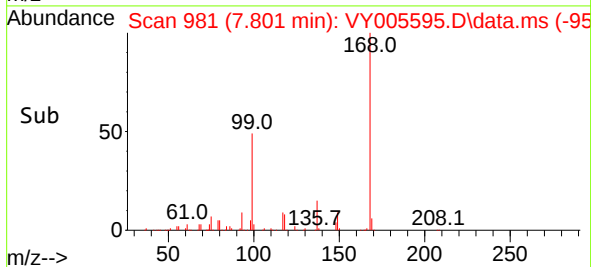
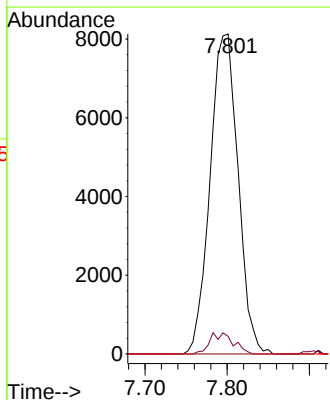
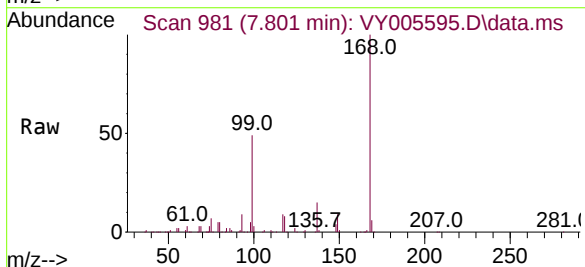
RT: 7.801 min Scan# 981

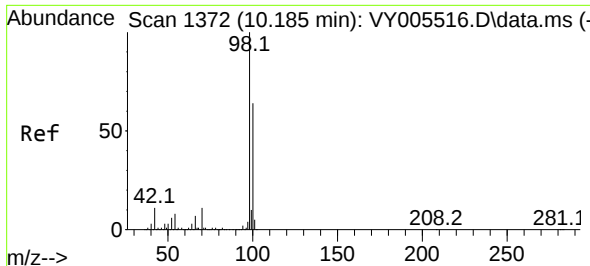
Delta R.T. -0.110 min

Lab File: VY005595.D

Acq: 10 Aug 2021 15:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 19274  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.5   | 75.4  | 113.0# |
| 121      | 0.0   | 25.1  | 37.7#  |

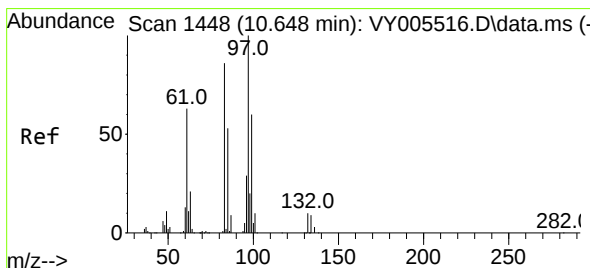
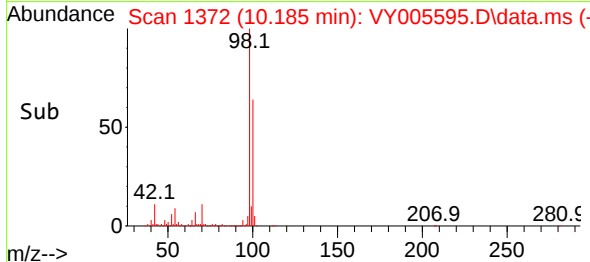
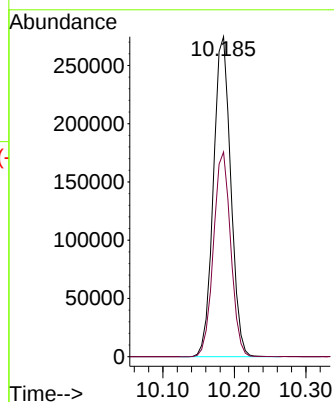
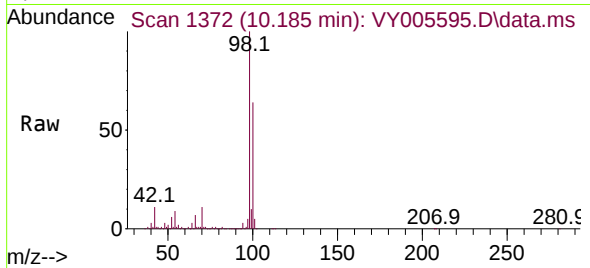




#50  
Toluene-d8  
Concen: 54.33 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

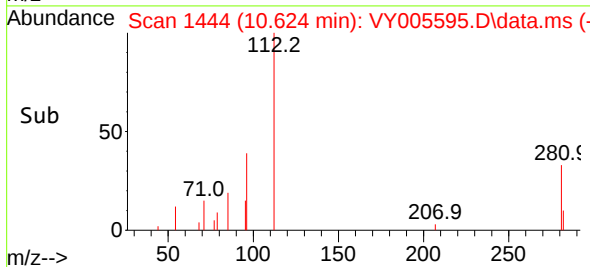
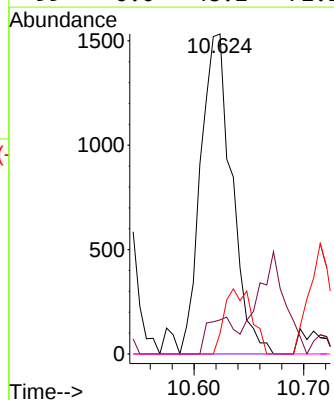
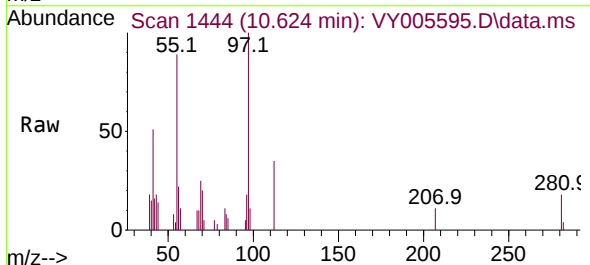
Instrument :  
MSVOA\_Y  
ClientSampleId :

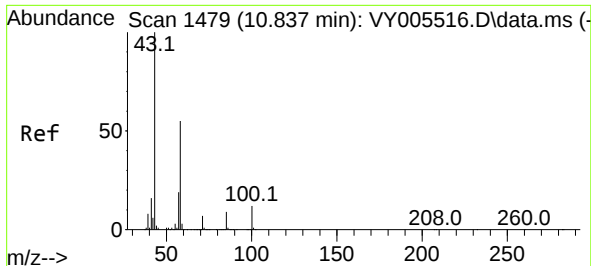
Tgt Ion: 98 Resp: 462485  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.3 76.9



#55  
1,1,2-Trichloroethane  
Concen: 1.55 ug/l  
RT: 10.624 min Scan# 1444  
Delta R.T. -0.025 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

Tgt Ion: 97 Resp: 3018  
Ion Ratio Lower Upper  
97 100  
83 10.6 68.7 103.1#  
85 6.5 42.4 63.6#  
99 0.0 48.2 72.2#

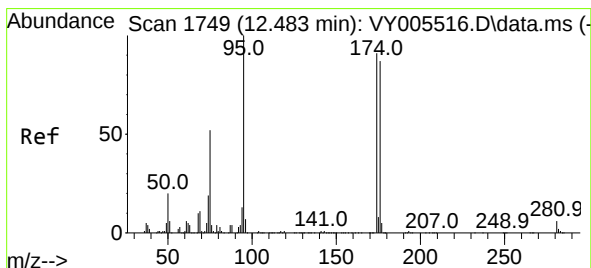
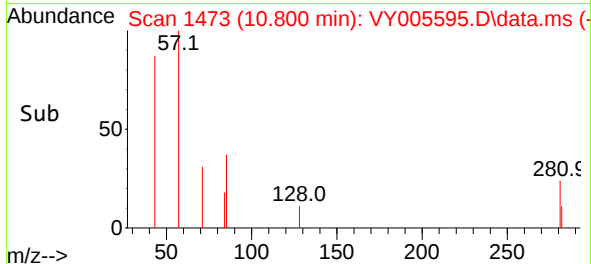
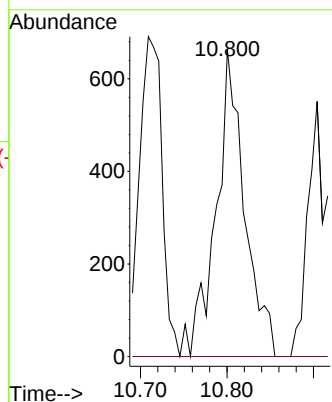
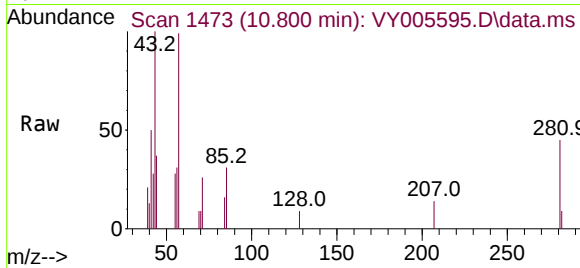




#59  
2-Hexanone  
Concen: 1.05 ug/l  
RT: 10.800 min Scan# 1473  
Delta R.T. -0.037 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

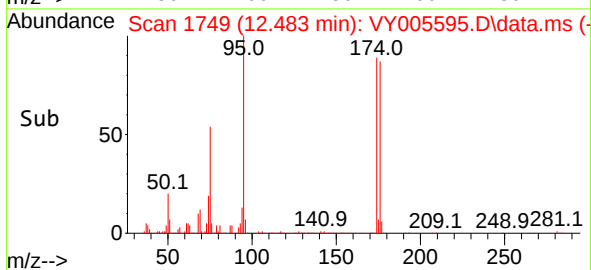
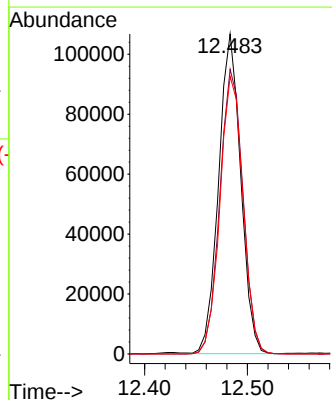
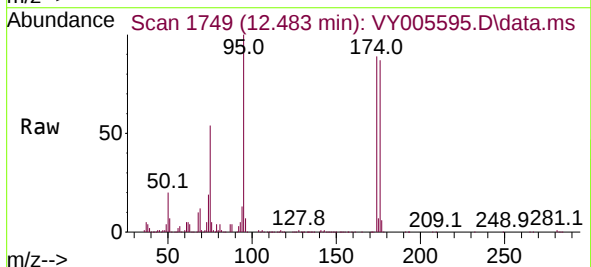
Instrument :  
MSVOA\_Y  
ClientSampled :

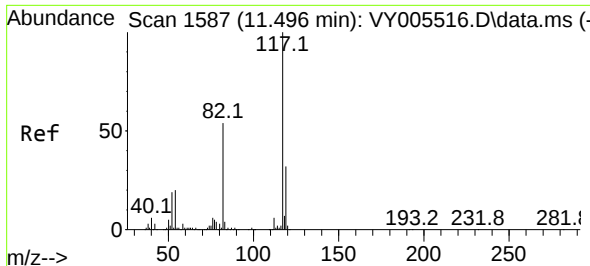
Tgt Ion: 43 Resp: 1523  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.1 81.2#



#62  
4-Bromofluorobenzene  
Concen: 56.55 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

Tgt Ion: 95 Resp: 159416  
Ion Ratio Lower Upper  
95 100  
174 93.0 0.0 191.4  
176 90.6 0.0 183.6

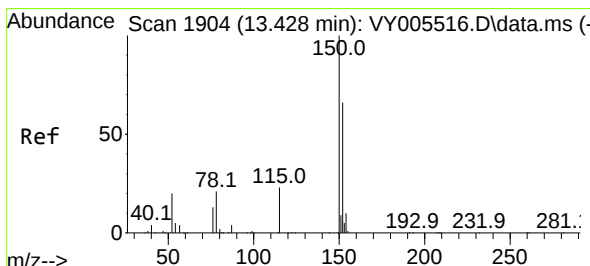
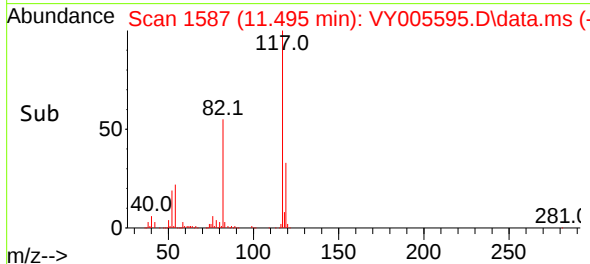
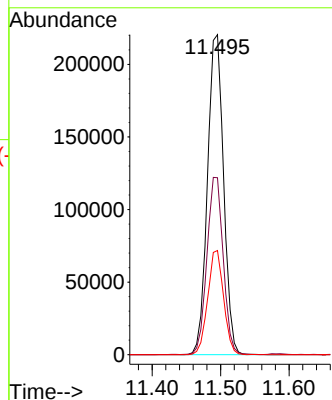
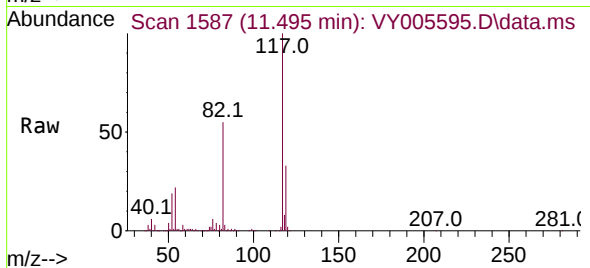




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

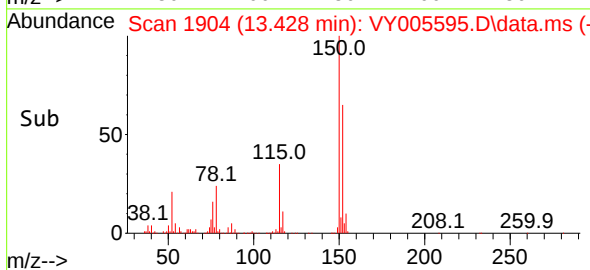
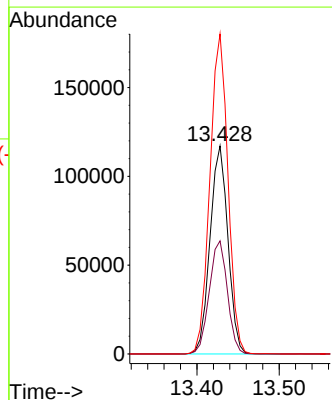
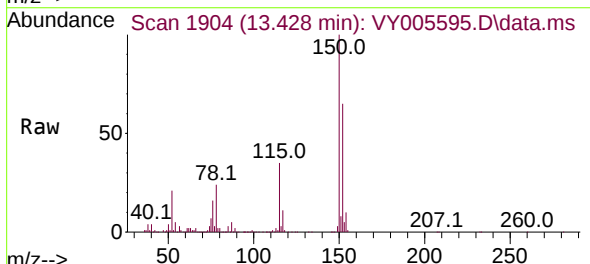
Instrument :  
MSVOA\_Y  
ClientSampled :

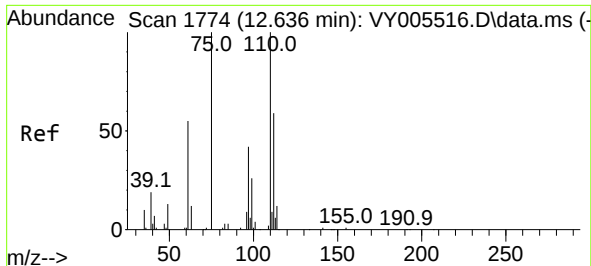
Tgt Ion:117 Resp: 360384  
Ion Ratio Lower Upper  
117 100  
82 55.2 43.5 65.3  
119 32.6 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

Tgt Ion:152 Resp: 177064  
Ion Ratio Lower Upper  
152 100  
115 55.0 27.3 81.9  
150 154.7 0.0 350.2

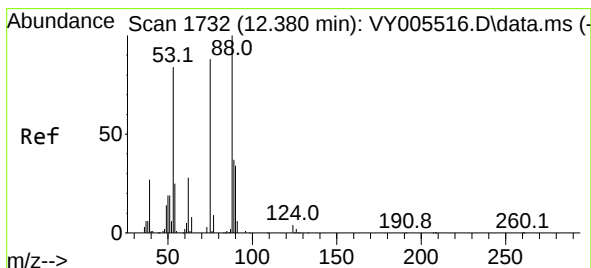
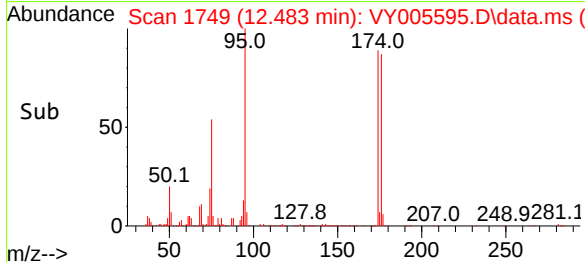
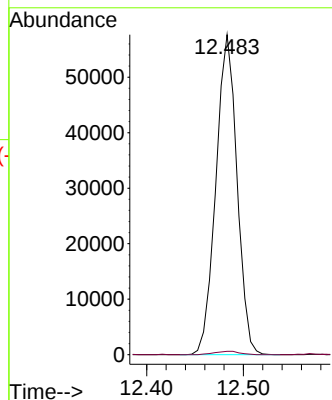
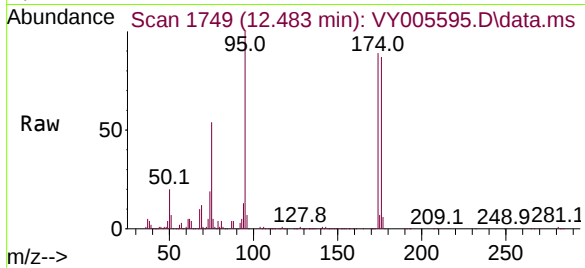




#76  
1,2,3-Trichloropropane  
Concen: 47.58 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 87303  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 95.91 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY005595.D  
Acq: 10 Aug 2021 15:03

Tgt Ion: 75 Resp: 87303  
Ion Ratio Lower Upper  
75 100  
53 0.1 76.7 115.1#  
89 0.1 38.4 57.6#

