

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032521\  
 Data File : VY004195.D  
 Acq On : 25 Mar 2021 11:15  
 Operator : SY/MD  
 Sample : VY0325SBL01  
 Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Mar 26 01:11:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 08 12:28:55 2021  
 Response via : Initial Calibration

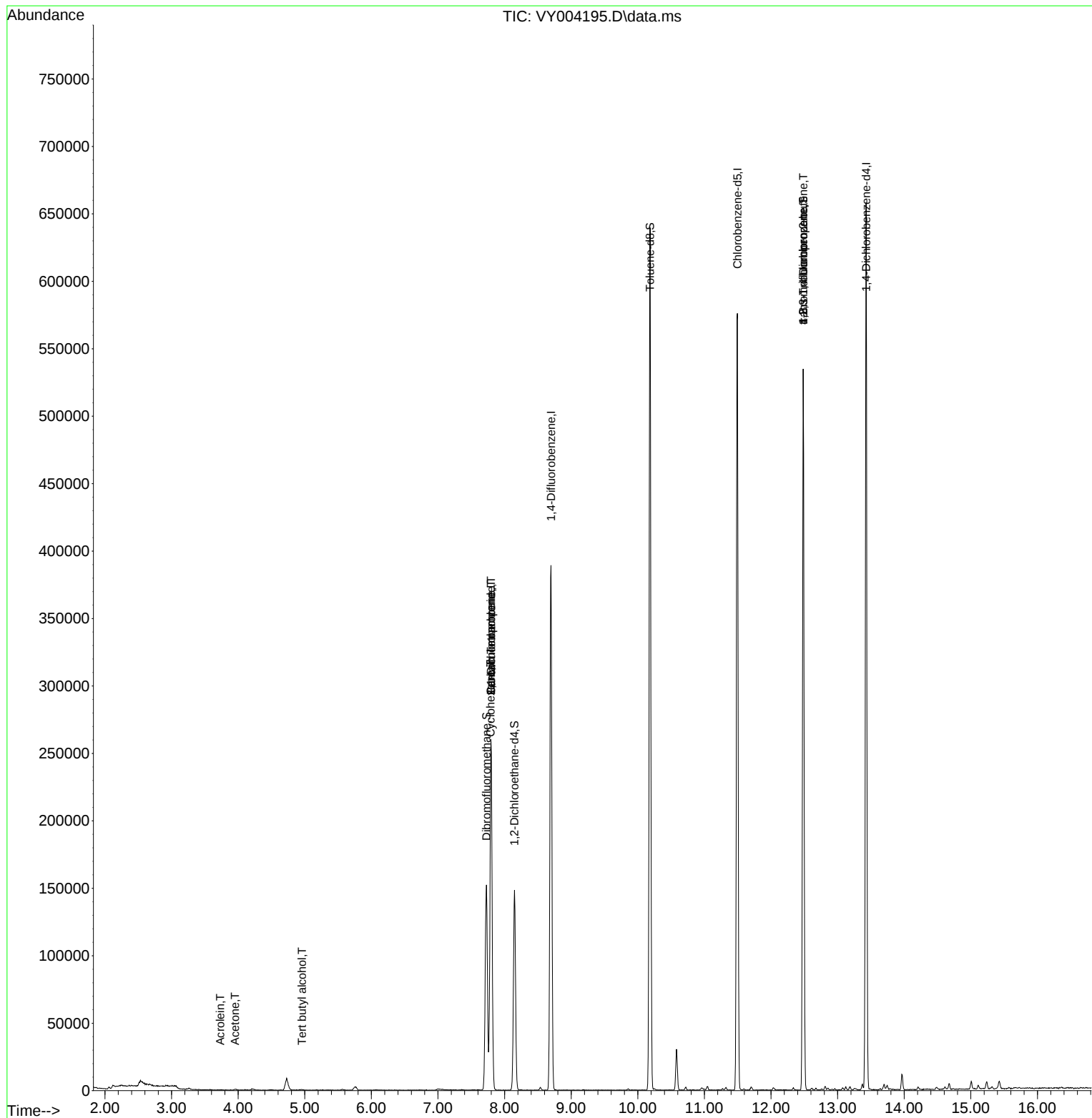
| Compound                      | R.T.           | QIon | Response           | Conc        | Units | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-------------|-------|----------|
| -----                         |                |      |                    |             |       |          |
| Internal Standards            |                |      |                    |             |       |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 205048             | 50.00       | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 343702             | 50.00       | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 321626             | 50.00       | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 161293             | 50.00       | ug/l  | 0.00     |
|                               |                |      |                    |             |       |          |
| System Monitoring Compounds   |                |      |                    |             |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 114331             | 56.50       | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 113.00% |             |       |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 105993             | 54.69       | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 109.38% |             |       |          |
| 50) Toluene-d8                | 10.185         | 98   | 406036             | 53.44       | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 106.88% |             |       |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 150753             | 53.72       | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 107.44% |             |       |          |
|                               |                |      |                    |             |       |          |
| Target Compounds              |                |      |                    |             |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.912          | 85   | 30                 | Below Cal   | #     | 41       |
| 3) Chloromethane              | 2.119          | 50   | 1080               | Below Cal   |       | 89       |
| 11) Tert butyl alcohol        | 4.960          | 59   | 410                | 2.24 ug/l   | #     | 76       |
| 13) Acrolein                  | 3.729          | 56   | 233                | 1.28 ug/l   | #     | 15       |
| 16) Acetone                   | 3.954          | 43   | 952                | 1.95 ug/l   | #     | 73       |
| 20) Methylene Chloride        | 4.729          | 84   | 6281               | Below Cal   | #     | 80       |
| 31) Cyclohexane               | 7.789          | 56   | 4327               | 1.22 ug/l   | #     | 1        |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 14276              | 4.73 ug/l   | #     | 51       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 20424              | 6.38 ug/l   | #     | 16       |
| 58) 2-Chloroethyl Vinyl ether | 9.782          | 63   | 29                 | Below Cal   | #     | 47       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 79654              | 51.50 ug/l  | #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 79654              | 101.65 ug/l | #     | 13       |
| -----                         |                |      |                    |             |       |          |

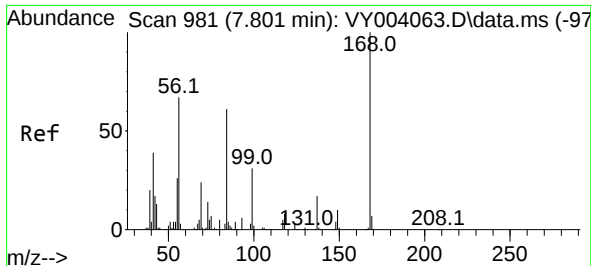
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032521\  
Data File : VY004195.D  
Acq On : 25 Mar 2021 11:15  
Operator : SY/MD  
Sample : VY0325SBL01  
Misc : 5.00g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Mar 26 01:11:33 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 08 12:28:55 2021  
Response via : Initial Calibration

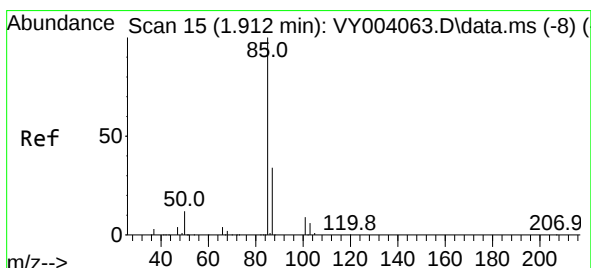
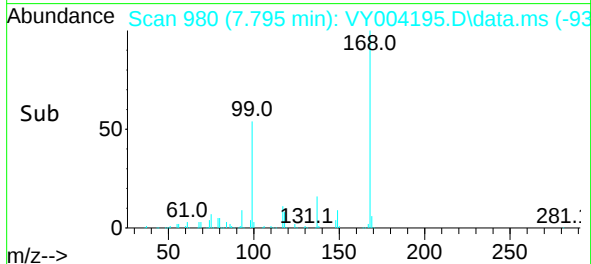
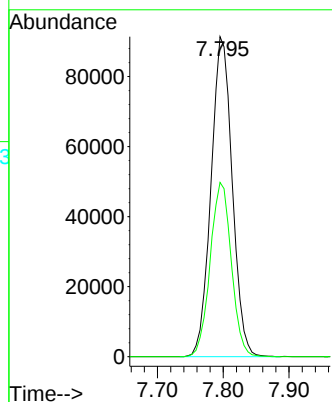
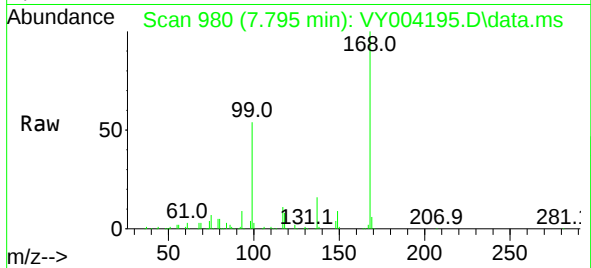




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

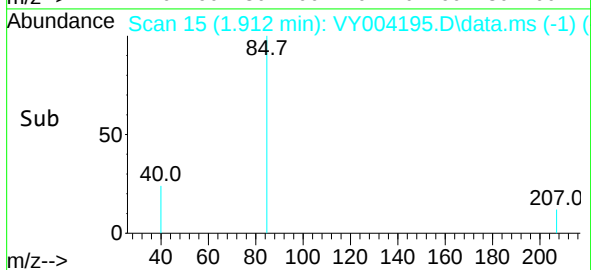
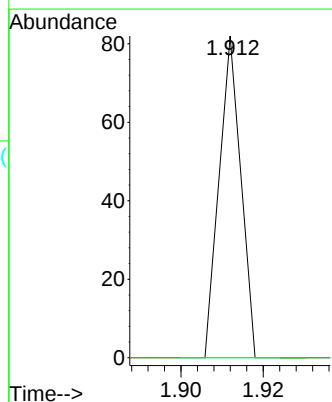
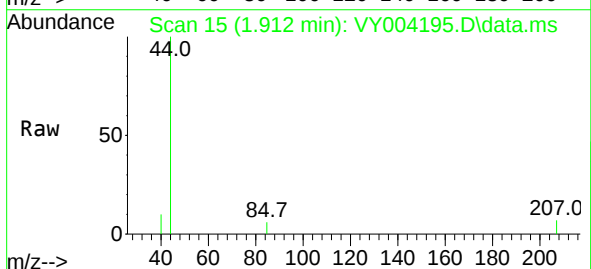
Instrument :  
MSVOA\_Y  
ClientSampleId :

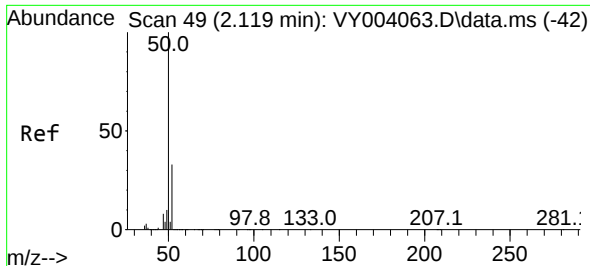
Tgt Ion:168 Resp: 205048  
Ion Ratio Lower Upper  
168 100  
99 54.5 41.2 61.8



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.912 min Scan# 15  
Delta R.T. -0.000 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

Tgt Ion: 85 Resp: 30  
Ion Ratio Lower Upper  
85 100  
87 0.0 17.0 51.0#

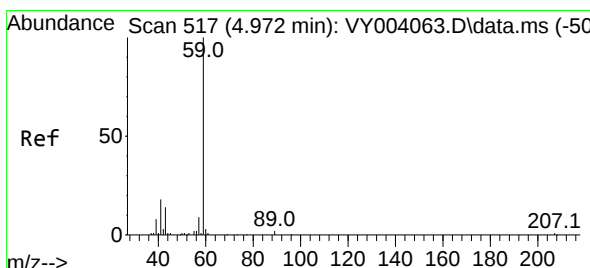
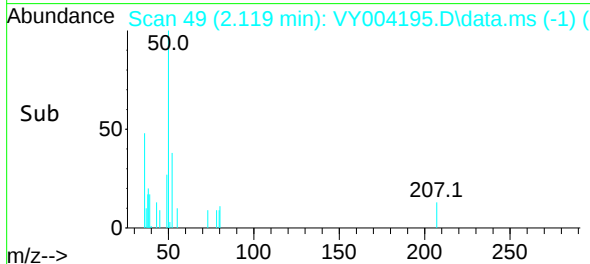
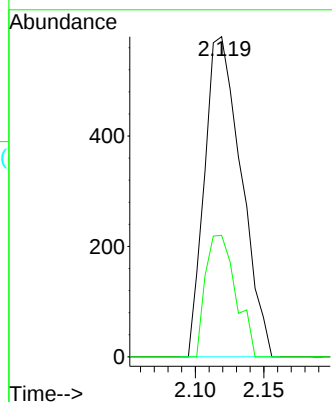
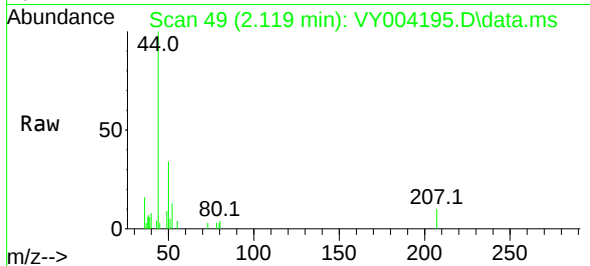




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.119 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

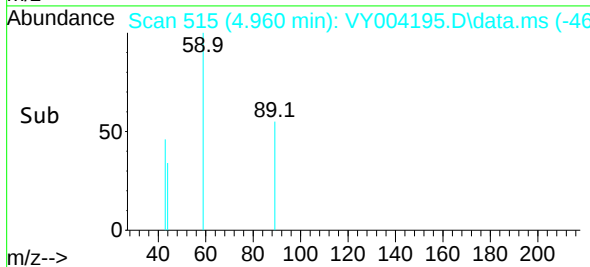
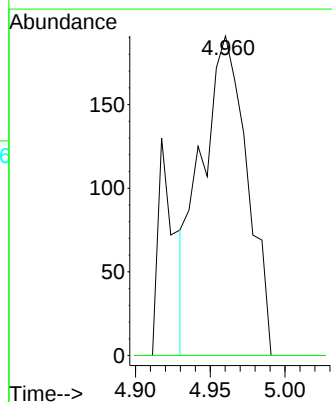
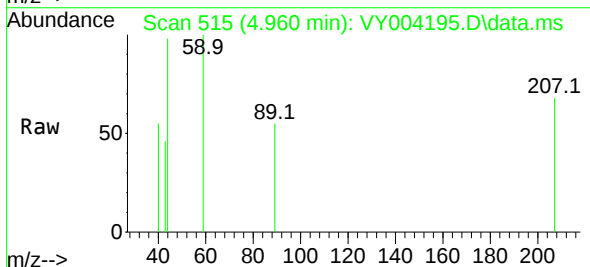
Instrument :  
MSVOA\_Y  
ClientSampled :

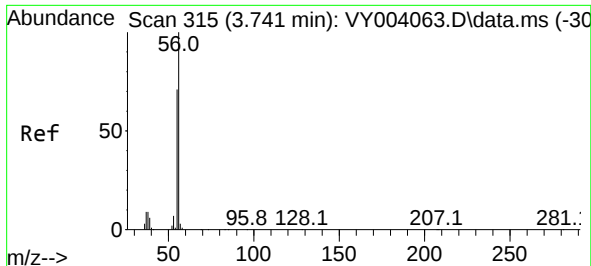
Tgt Ion: 50 Resp: 1080  
Ion Ratio Lower Upper  
50 100  
52 37.9 25.4 38.2



#11  
Tert butyl alcohol  
Concen: 2.24 ug/l  
RT: 4.960 min Scan# 515  
Delta R.T. -0.012 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

Tgt Ion: 59 Resp: 410  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.9 10.3#

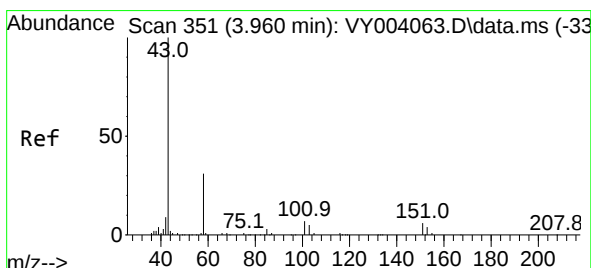
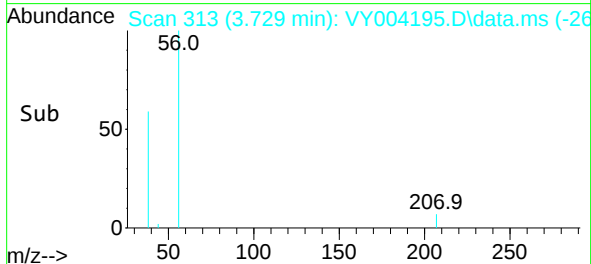
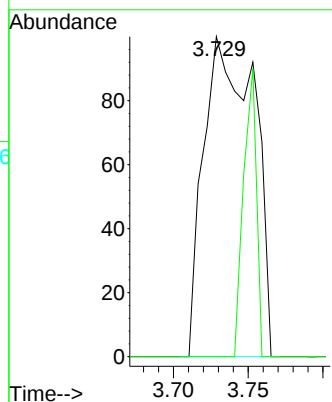
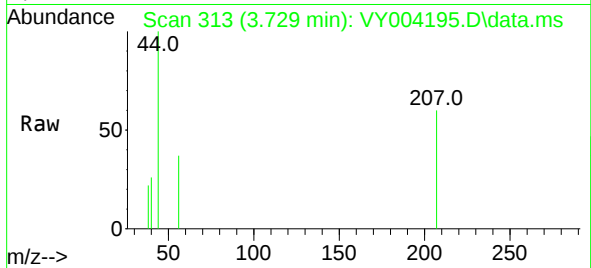




#13  
Acrolein  
Concen: 1.28 ug/l  
RT: 3.729 min Scan# 313  
Delta R.T. -0.012 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

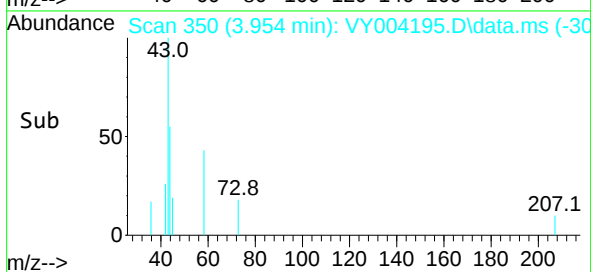
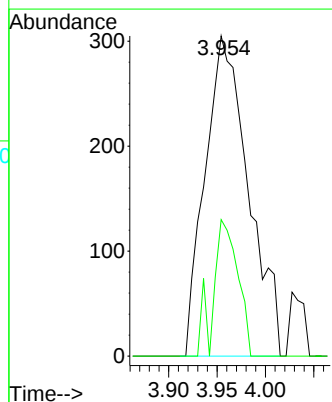
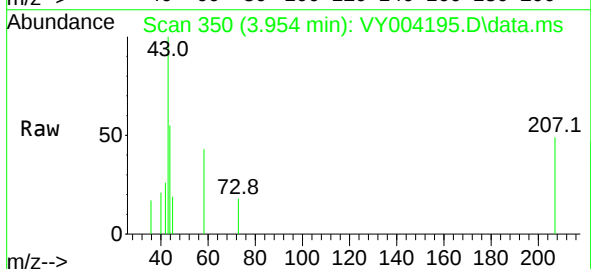
Instrument :  
MSVOA\_Y  
ClientSampled :

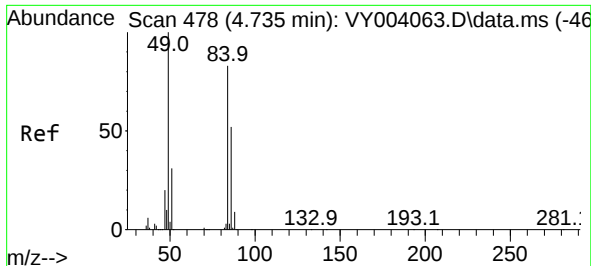
Tgt Ion: 56 Resp: 233  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.4 83.0#



#16  
Acetone  
Concen: 1.95 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

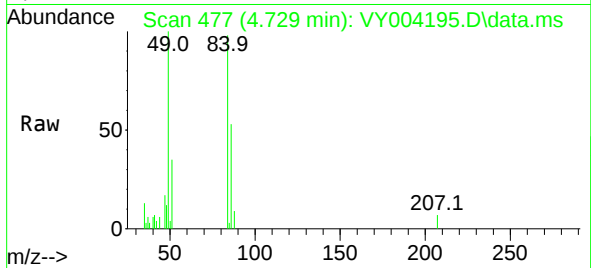
Tgt Ion: 43 Resp: 952  
Ion Ratio Lower Upper  
43 100  
58 42.6 22.6 34.0#





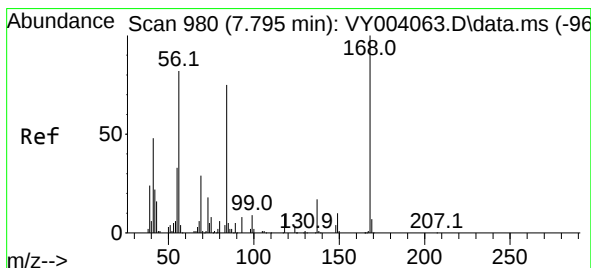
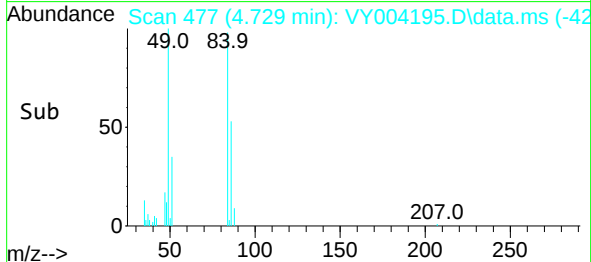
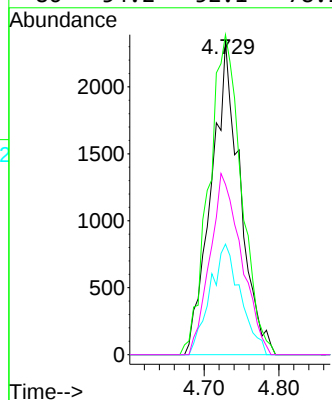
#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.729 min Scan# 477  
Delta R.T. -0.006 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 6281

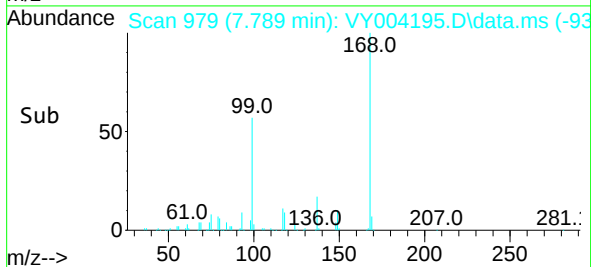
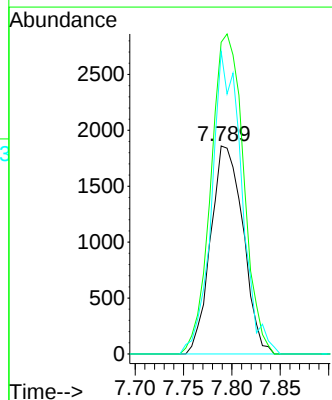
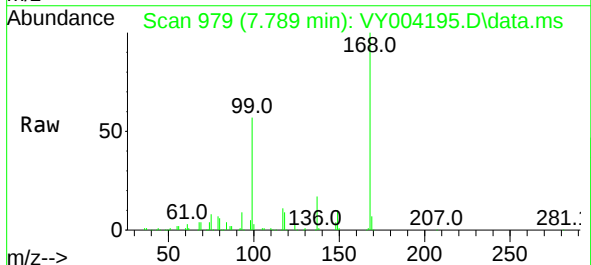
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 101.8 | 105.8 | 158.6# |
| 51  | 35.2  | 32.6  | 48.8   |
| 86  | 54.2  | 52.1  | 78.1   |

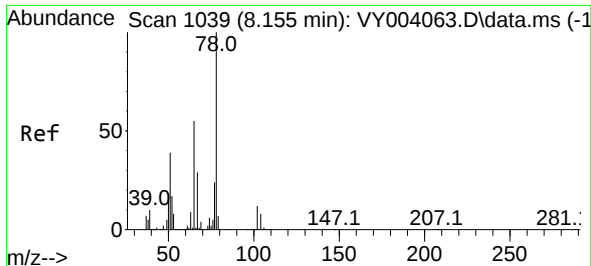


#31  
Cyclohexane  
Concen: 1.22 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

Tgt Ion: 56 Resp: 4327

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 149.8 | 25.3  | 37.9#  |
| 84  | 145.3 | 67.3  | 100.9# |

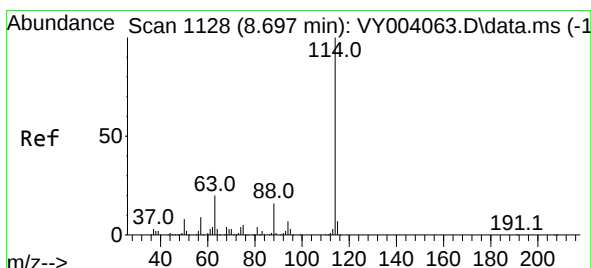
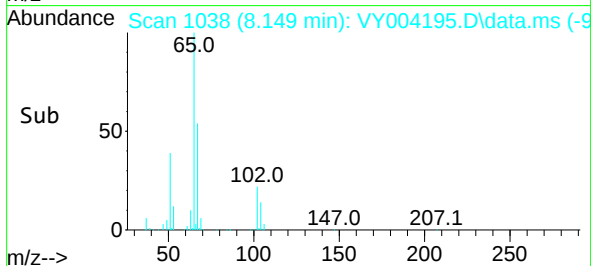
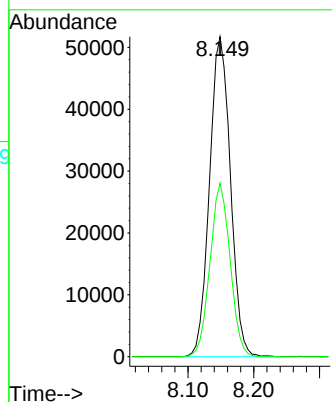
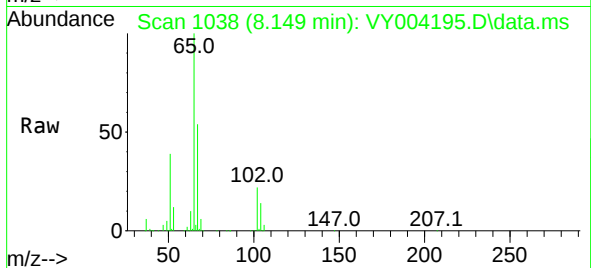




#33  
1,2-Dichloroethane-d4  
Concen: 56.50 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

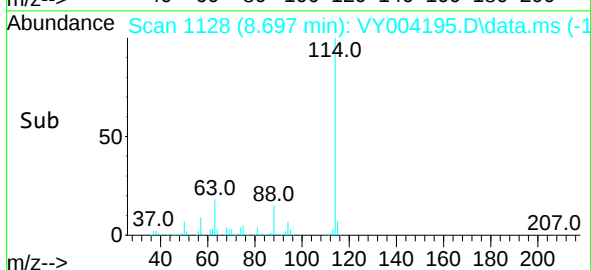
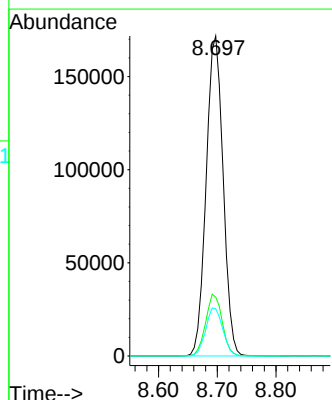
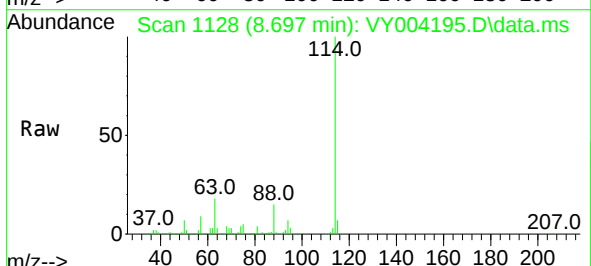
Instrument :  
MSVOA\_Y  
ClientSampleId :

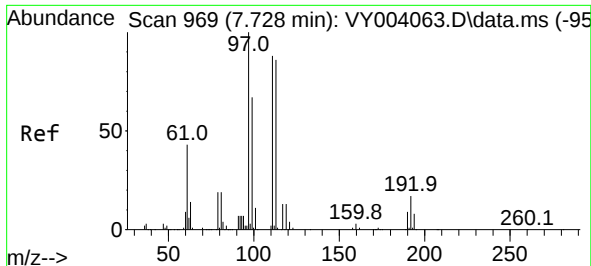
Tgt Ion: 65 Resp: 114331  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 101.4



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

Tgt Ion:114 Resp: 343702  
Ion Ratio Lower Upper  
114 100  
63 18.4 0.0 41.6  
88 14.8 0.0 31.4

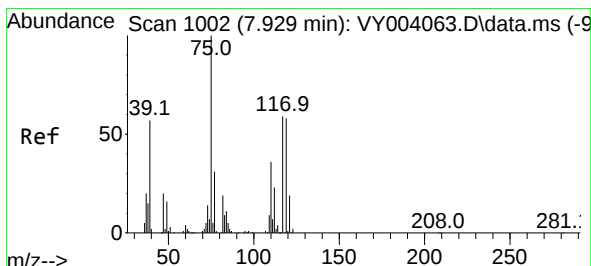
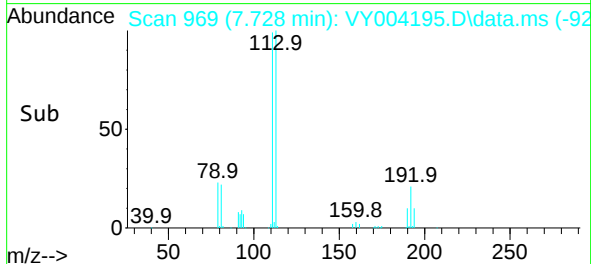
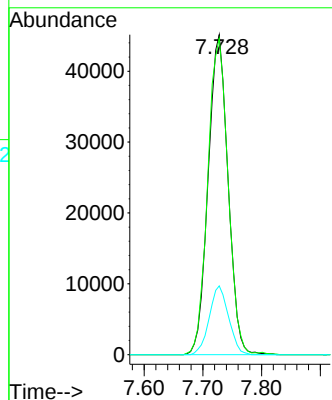
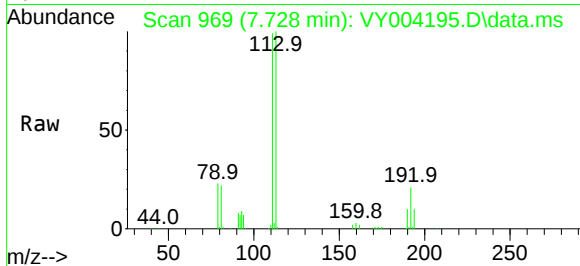




#35  
Dibromofluoromethane  
Concen: 54.69 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

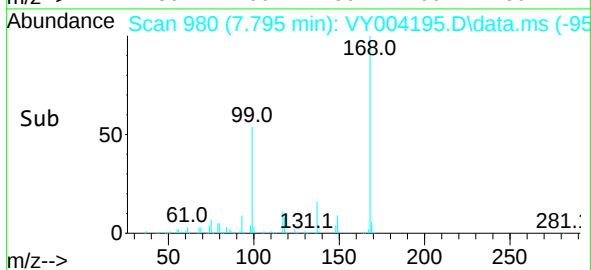
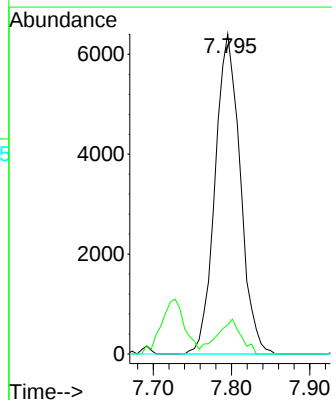
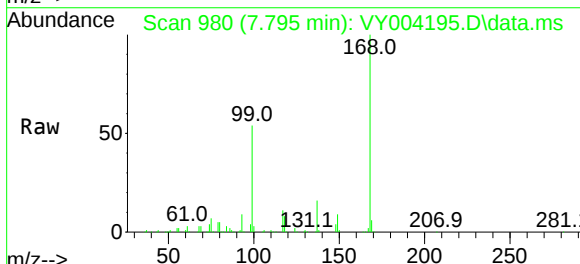
Instrument :  
MSVOA\_Y  
ClientSampleId :

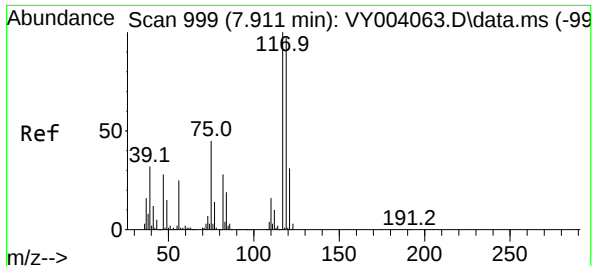
Tgt Ion:113 Resp: 105993  
Ion Ratio Lower Upper  
113 100  
111 100.8 83.2 124.8  
192 20.9 18.5 27.7



#36  
1,1-Dichloropropene  
Concen: 4.73 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.134 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

Tgt Ion: 75 Resp: 14276  
Ion Ratio Lower Upper  
75 100  
110 10.4 17.4 52.3#  
77 0.0 24.5 36.7#

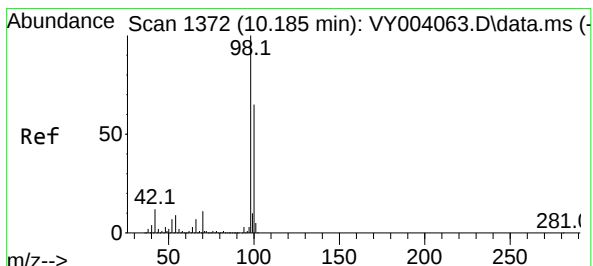
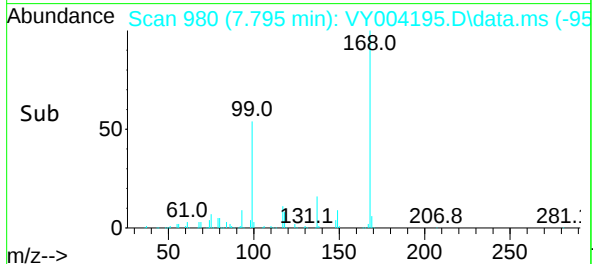
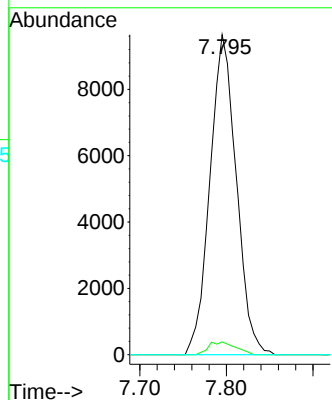
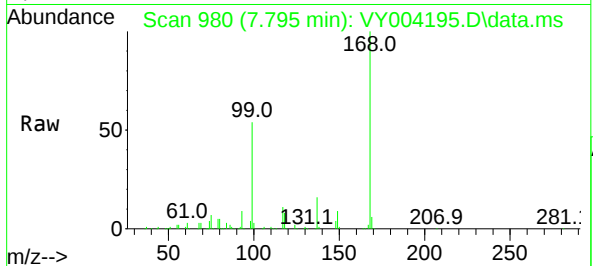




#38  
Carbon Tetrachloride  
Concen: 6.38 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

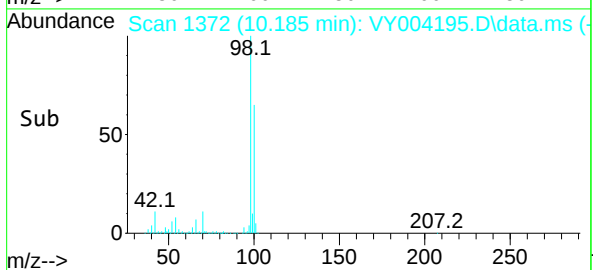
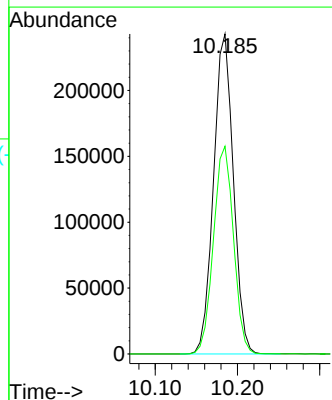
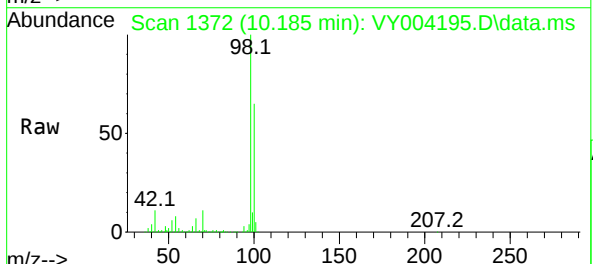
Instrument :  
MSVOA\_Y  
ClientSampleId :

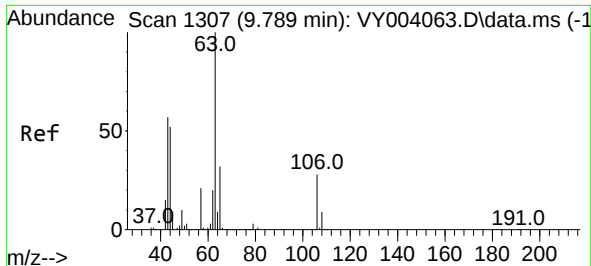
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Ion Ratio Lower Upper  
117 100  
119 4.0 75.4 113.0#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 53.44 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

Tgt Ion: 98 Resp: 406036  
Ion Ratio Lower Upper  
98 100  
100 65.8 51.8 77.6

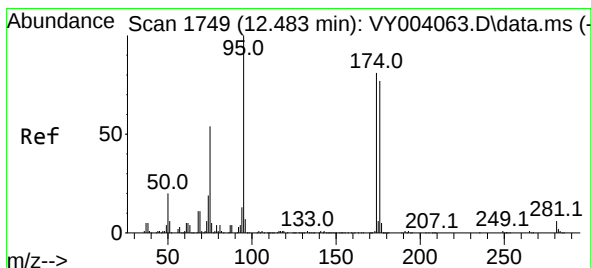
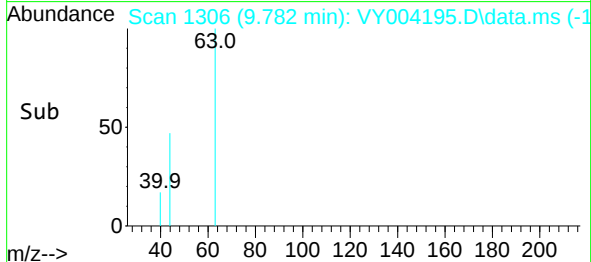
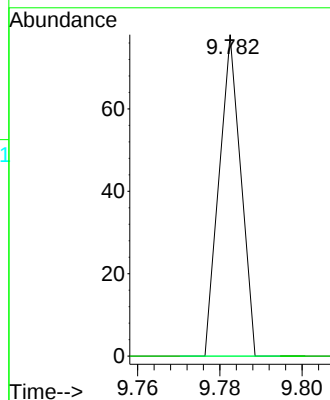
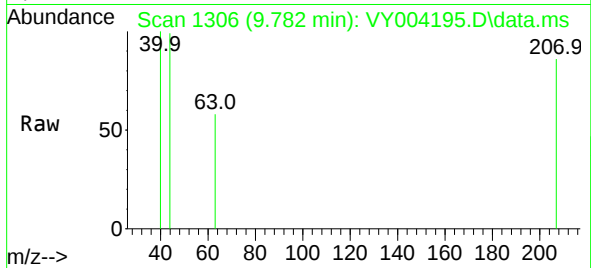




#58  
2-Chloroethyl Vinyl ether  
Concen: Below Cal  
RT: 9.782 min Scan# 1306  
Delta R.T. -0.007 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

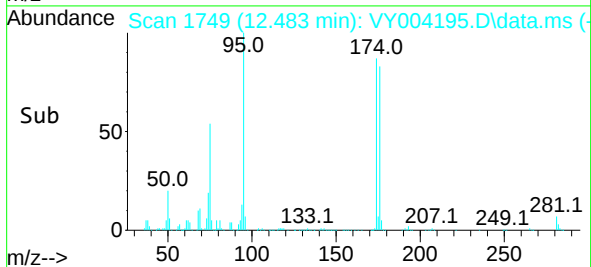
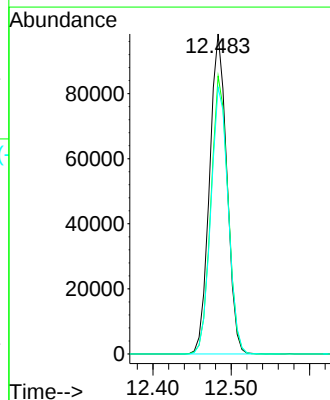
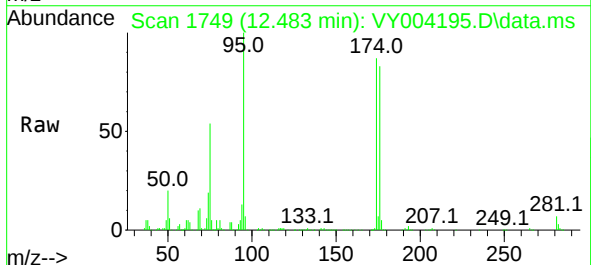
Instrument :  
MSVOA\_Y  
ClientSampled :

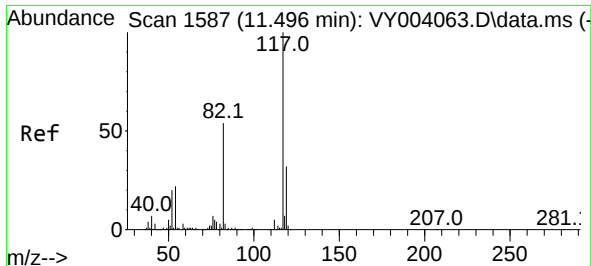
Tgt Ion: 63 Resp: 29  
Ion Ratio Lower Upper  
63 100  
106 0.0 22.1 33.1#



#62  
4-Bromofluorobenzene  
Concen: 53.72 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

Tgt Ion: 95 Resp: 150753  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 179.0  
176 83.3 0.0 174.4

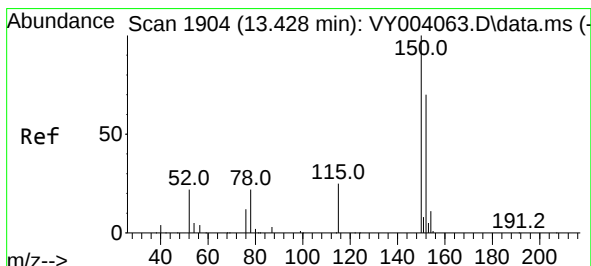
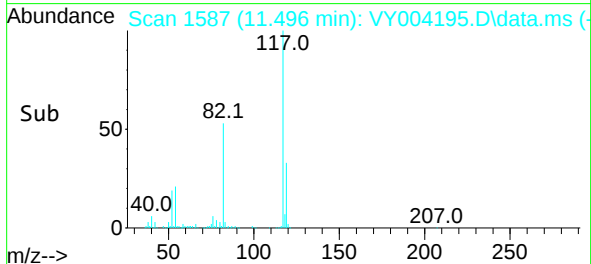
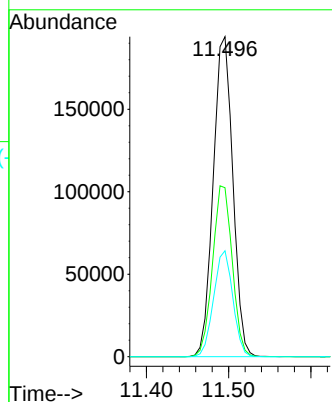
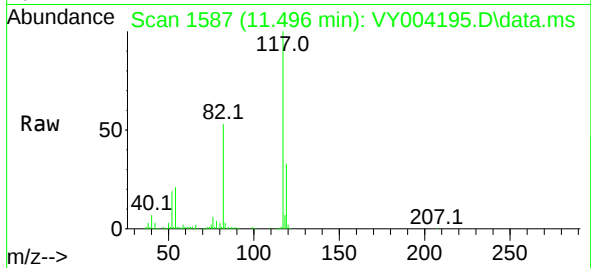




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

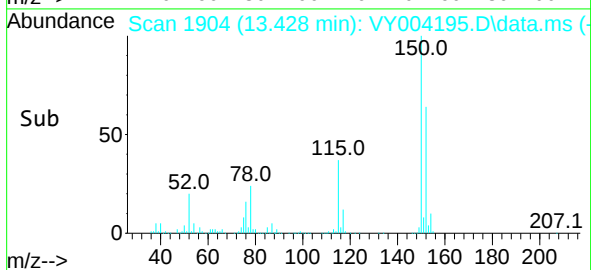
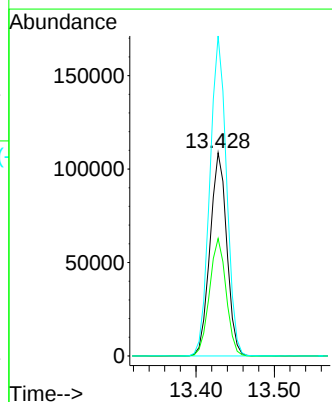
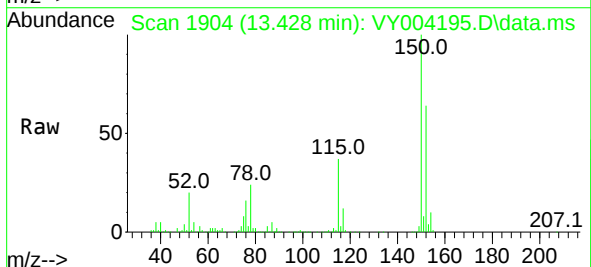
Instrument :  
MSVOA\_Y  
ClientSampled :

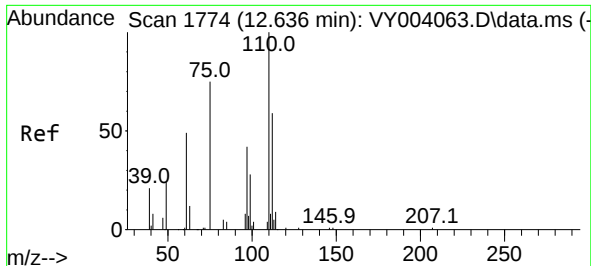
Tgt Ion:117 Resp: 321626  
Ion Ratio Lower Upper  
117 100  
82 52.8 43.8 65.6  
119 33.1 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

Tgt Ion:152 Resp: 161293  
Ion Ratio Lower Upper  
152 100  
115 57.3 28.2 84.6  
150 156.8 0.0 347.2

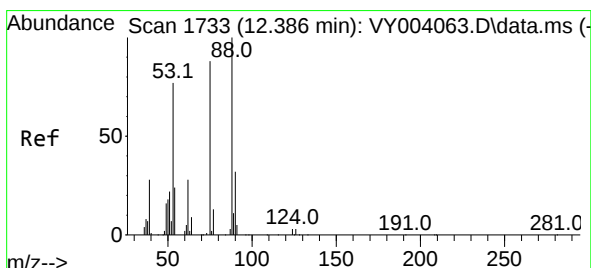
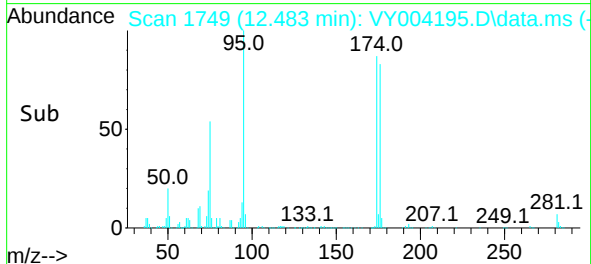
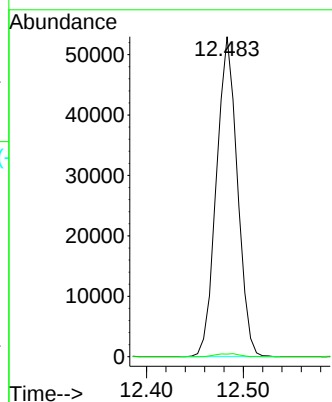
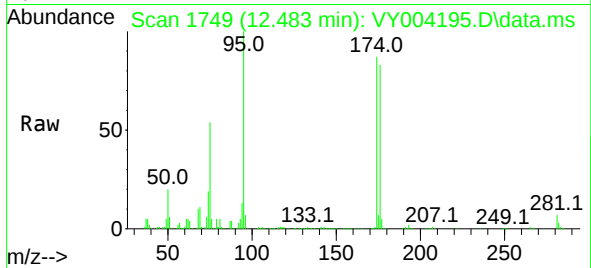




#76  
1,2,3-Trichloropropane  
Concen: 51.50 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 79654  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 101.65 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.097 min  
Lab File: VY004195.D  
Acq: 25 Mar 2021 11:15

Tgt Ion: 75 Resp: 79654  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.5 110.3#  
89 0.3 35.7 53.5#

