

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090121\  
 Data File : VY005930.D  
 Acq On : 01 Sep 2021 15:03  
 Operator : SY/MD  
 Sample : M3609-03  
 Misc : 5.04G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-03-083121RE

Quant Time: Sep 02 07:49:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y083121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 01 05:32:43 2021  
 Response via : Initial Calibration

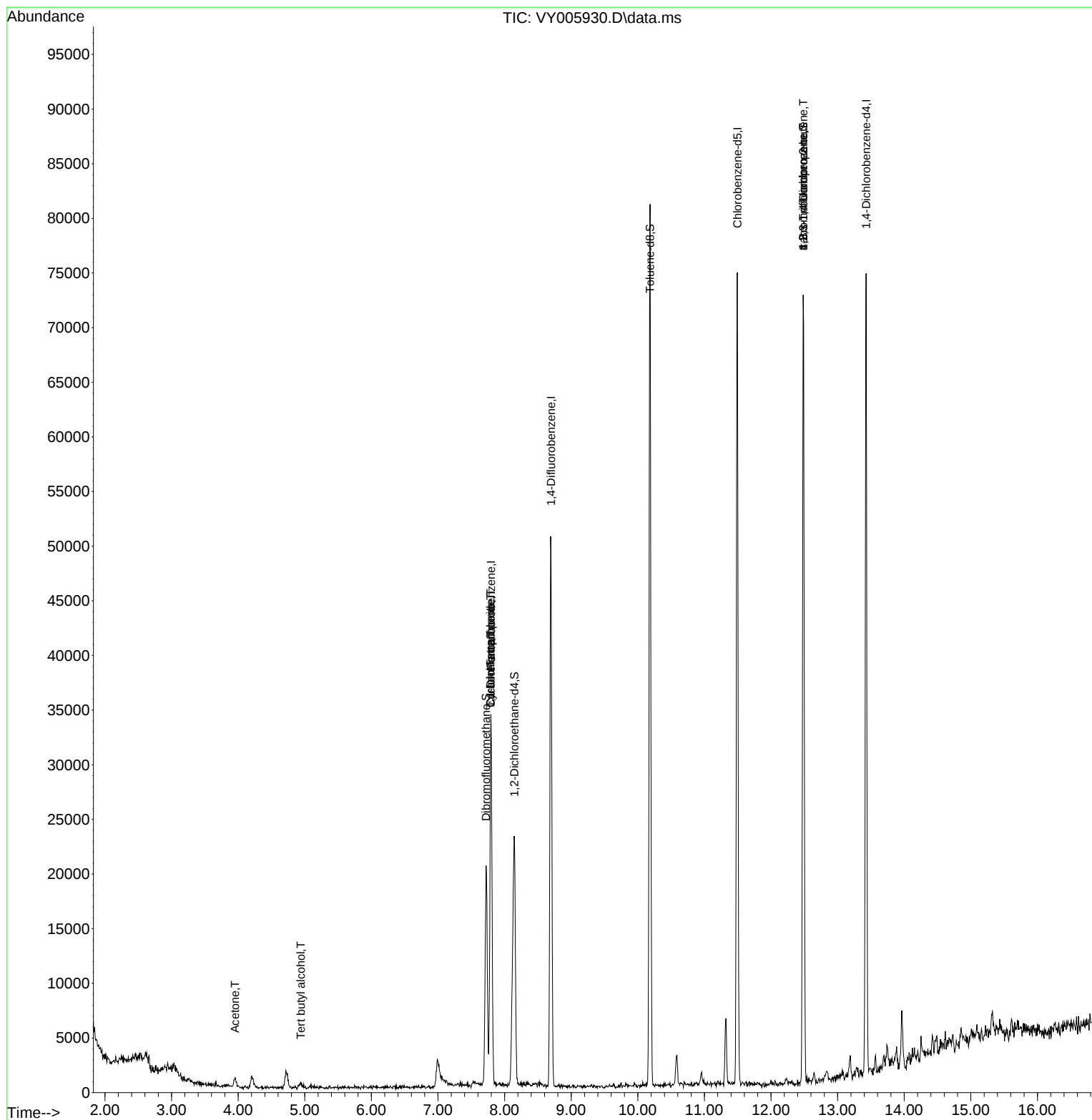
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 27353              | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 44111              | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 42025              | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 19591              | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 16260              | 58.99     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 117.98% |           |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 13214              | 53.34     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 106.68% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 53113              | 51.09     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 102.18% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 16668              | 47.75     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 95.50%  |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        |          |
| 11) Tert butyl alcohol        | 4.942          | 59   | 390                | 7.20      | ug/l # | 80       |
| 16) Acetone                   | 3.954          | 43   | 1615               | 22.98     | ug/l # | 87       |
| 20) Methylene Chloride        | 4.716          | 84   | 759                | Below Cal | #      | 78       |
| 31) Cyclohexane               | 7.789          | 56   | 496                | 1.07      | ug/l # | 29       |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 2185               | 5.26      | ug/l # | 45       |
| 38) Carbon Tetrachloride      | 7.789          | 117  | 2464               | 5.47      | ug/l # | 19       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 9137               | 49.83     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 9137               | 94.76     | ug/l # | 13       |
| -----                         |                |      |                    |           |        |          |

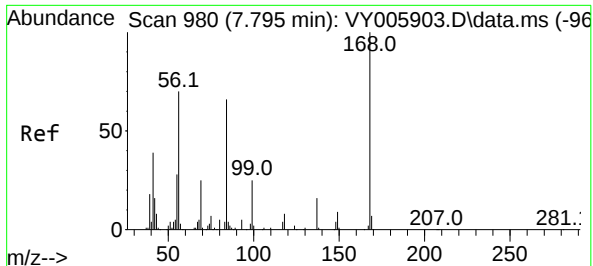
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 01 05:32:43 2021  
Response via : Initial Calibration

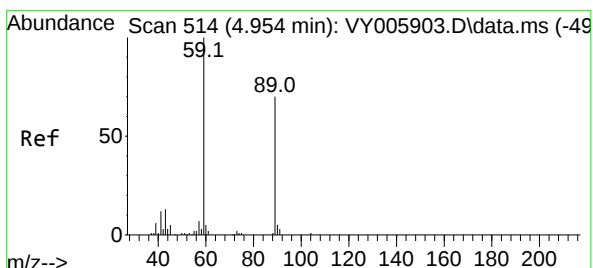
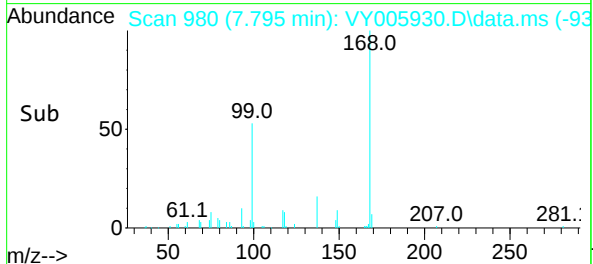
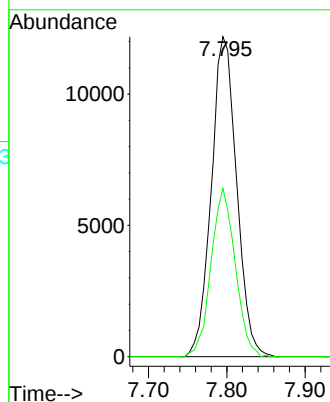
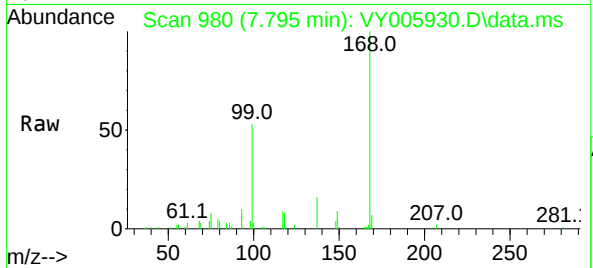




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

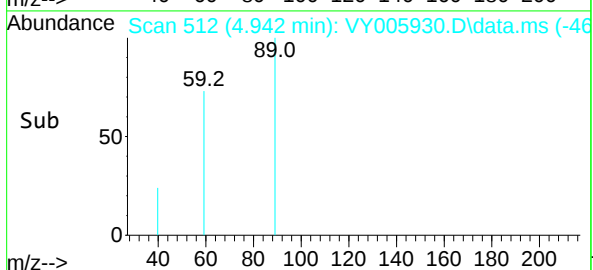
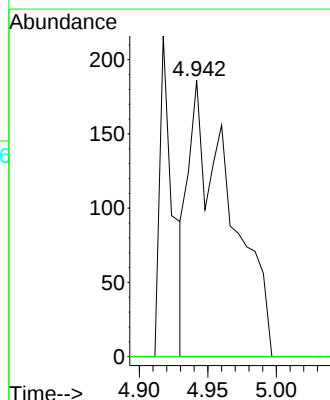
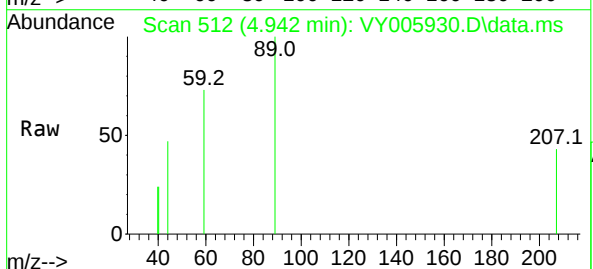
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-03-083121RE

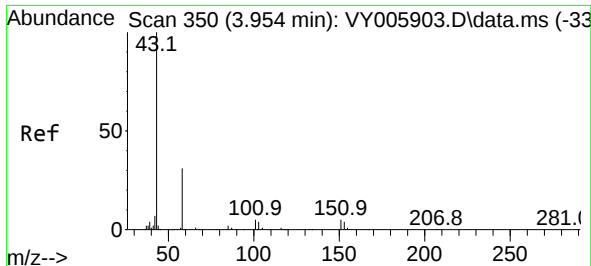
Tgt Ion:168 Resp: 27353  
Ion Ratio Lower Upper  
168 100  
99 52.6 40.6 60.8



#11  
Tert butyl alcohol  
Concen: 7.20 ug/l  
RT: 4.942 min Scan# 512  
Delta R.T. -0.012 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

Tgt Ion: 59 Resp: 390  
Ion Ratio Lower Upper  
59 100  
57 0.0 5.5 8.3#

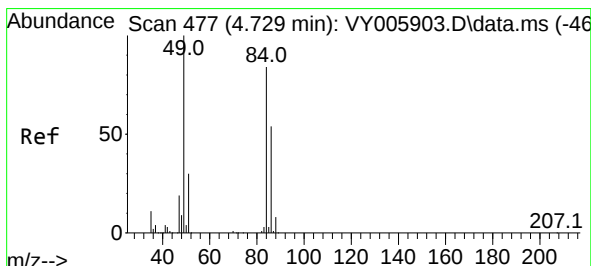
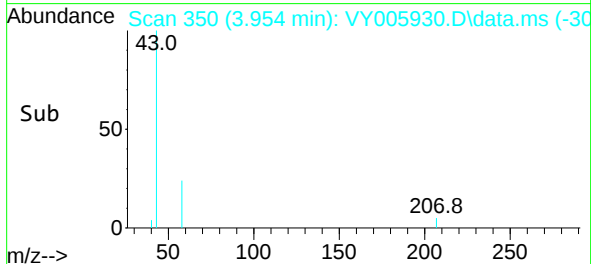
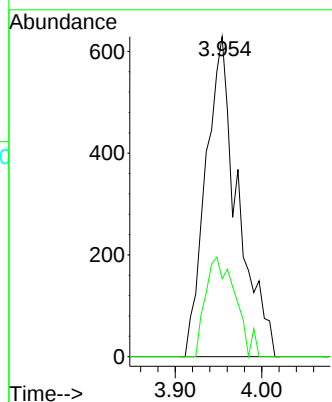
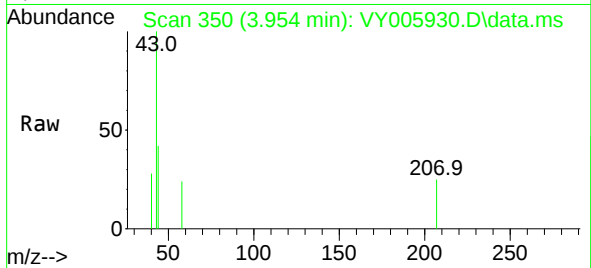




#16  
Acetone  
Concen: 22.98 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.000 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

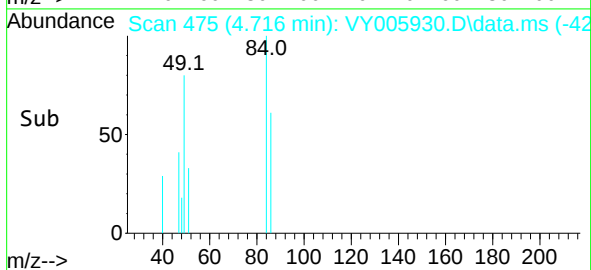
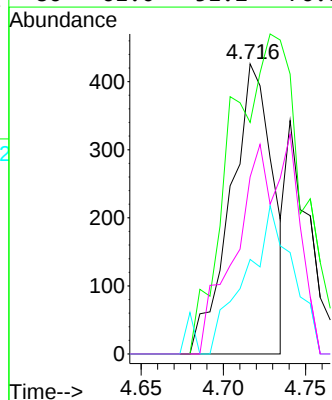
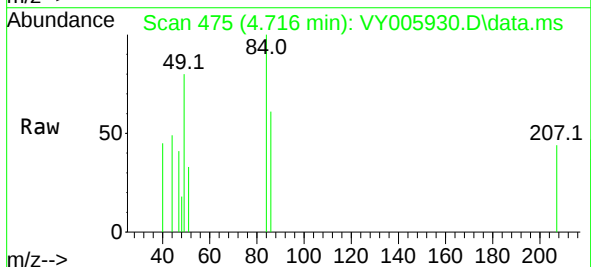
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-03-083121RE

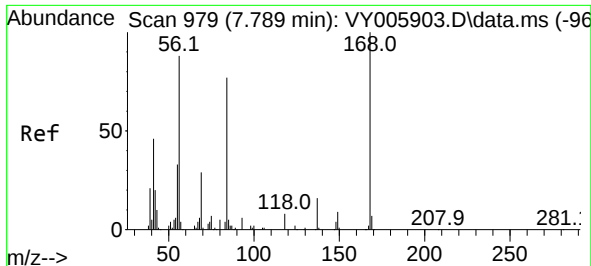
Tgt Ion: 43 Resp: 1615  
Ion Ratio Lower Upper  
43 100  
58 24.3 25.1 37.7#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. -0.013 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

Tgt Ion: 84 Resp: 759  
Ion Ratio Lower Upper  
84 100  
49 79.8 95.7 143.5#  
51 32.6 29.0 43.6  
86 61.0 51.2 76.8

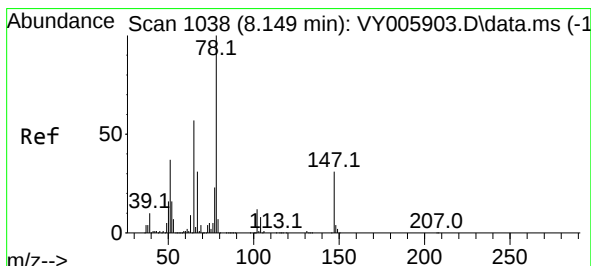
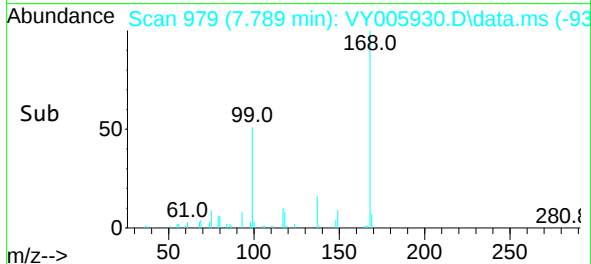
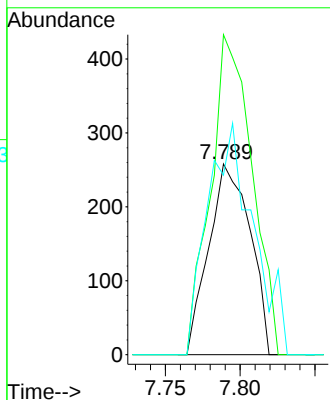
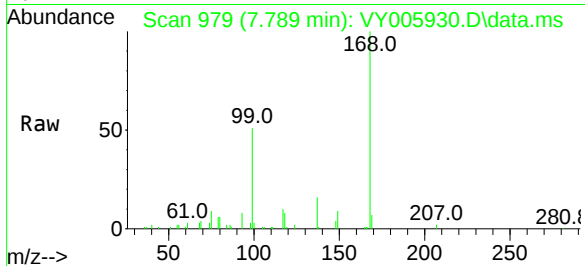




#31  
Cyclohexane  
Concen: 1.07 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

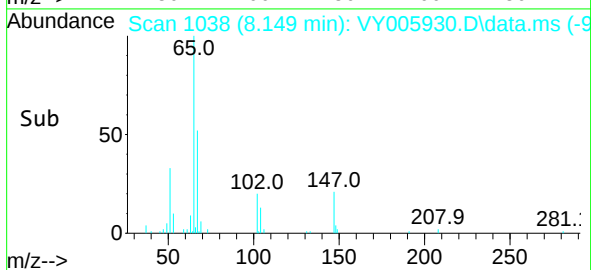
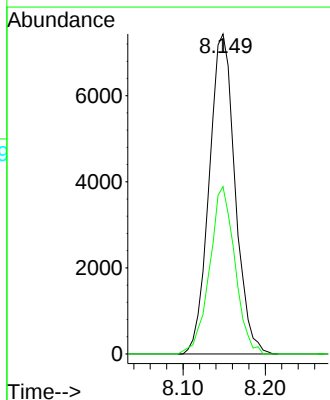
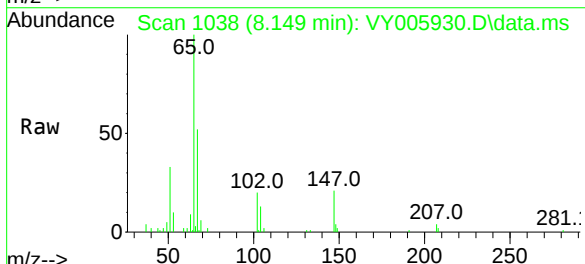
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-03-083121RE

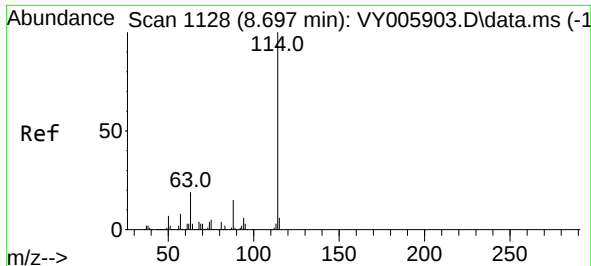
Tgt Ion: 56 Resp: 496  
Ion Ratio Lower Upper  
56 100  
69 167.8 26.3 39.5#  
84 94.2 69.8 104.8



#33  
1,2-Dichloroethane-d4  
Concen: 58.99 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

Tgt Ion: 65 Resp: 16260  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

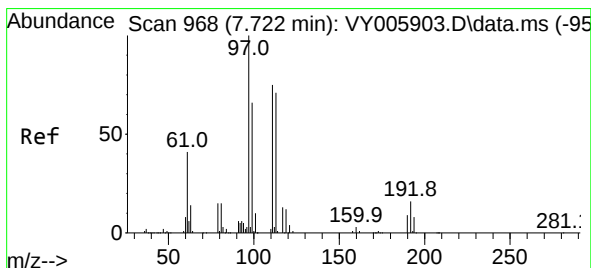
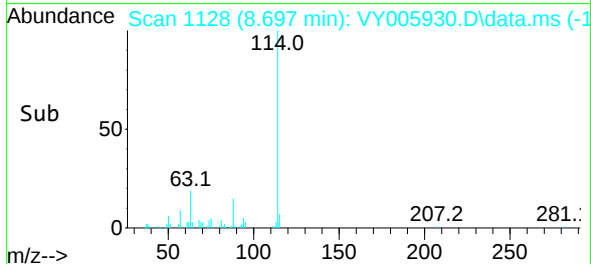
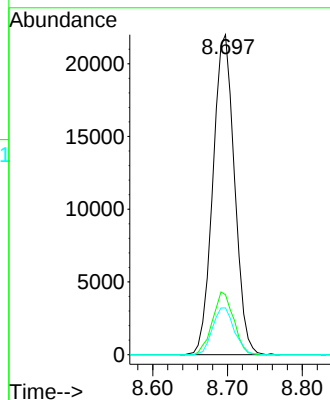
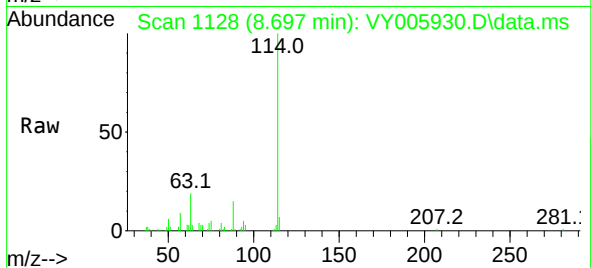
Delta R.T. -0.000 min

Lab File: VY005930.D

Acq: 01 Sep 2021 15:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 44111 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 18.8  | 0.0   | 38.4  |
| 88       | 14.6  | 0.0   | 30.0  |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-03-083121RE



#35

Dibromofluoromethane

Concen: 53.34 ug/l

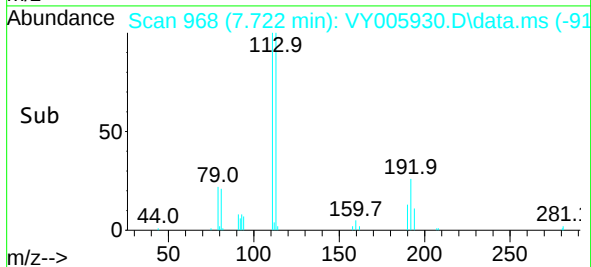
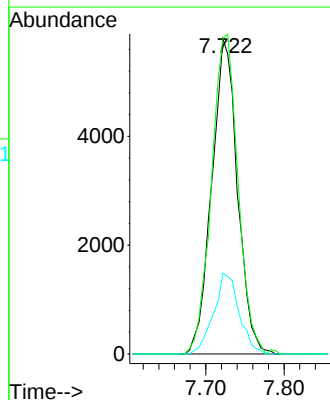
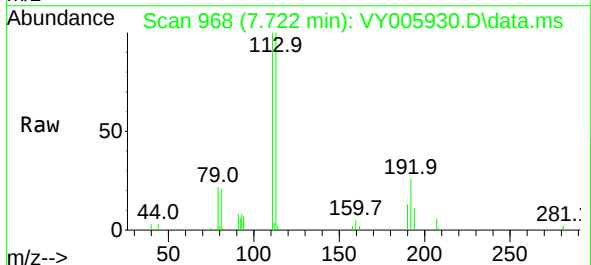
RT: 7.722 min Scan# 968

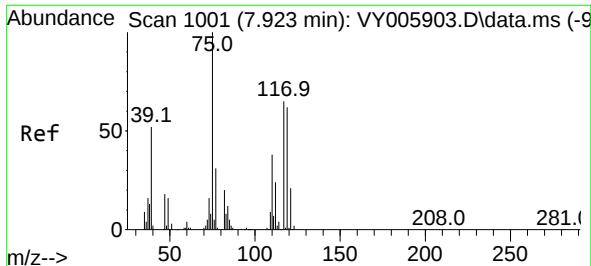
Delta R.T. -0.000 min

Lab File: VY005930.D

Acq: 01 Sep 2021 15:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 13214 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.8 | 81.9  | 122.9 |
| 192      | 25.3  | 19.4  | 29.0  |

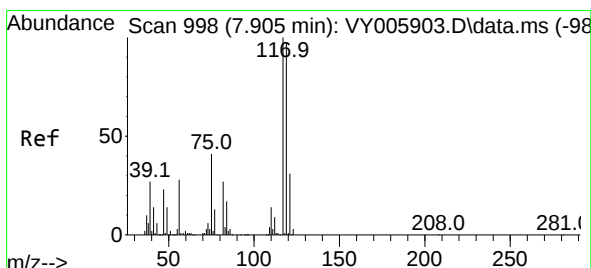
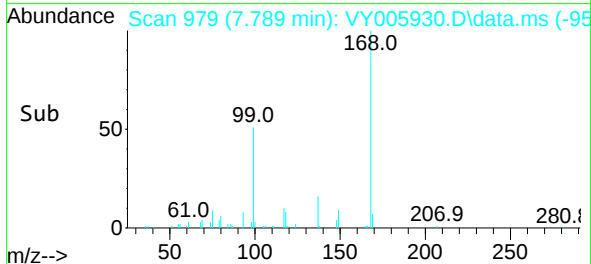
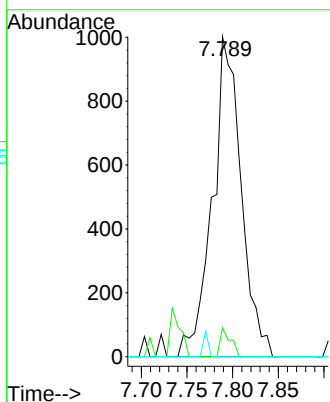
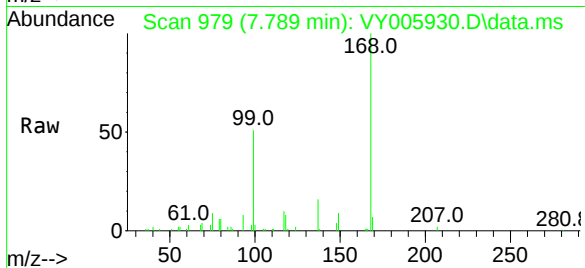




#36  
1,1-Dichloropropene  
Concen: 5.26 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

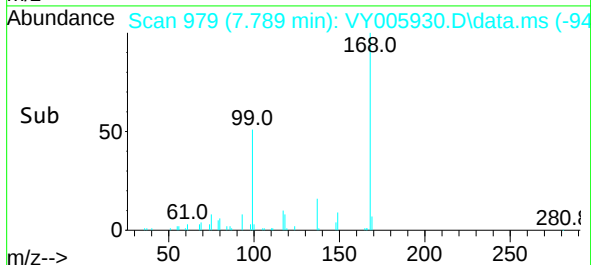
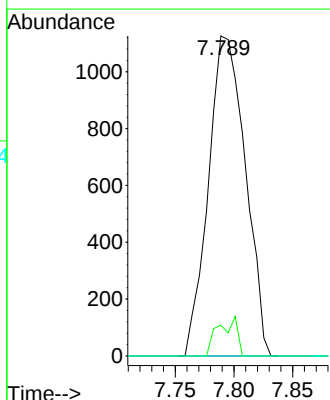
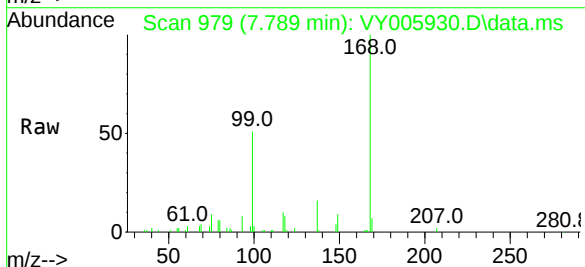
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-03-083121RE

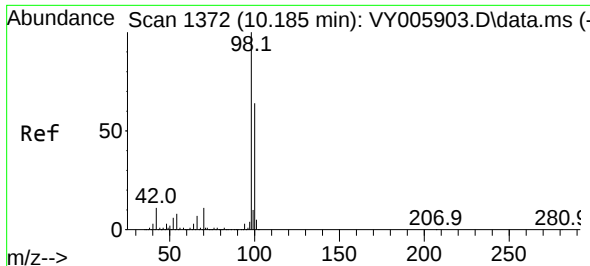
Tgt Ion: 75 Resp: 2185  
Ion Ratio Lower Upper  
75 100  
110 3.2 18.1 54.3#  
77 1.3 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 5.47 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.116 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

Tgt Ion: 117 Resp: 2464  
Ion Ratio Lower Upper  
117 100  
119 9.6 77.5 116.3#  
121 0.0 25.0 37.6#

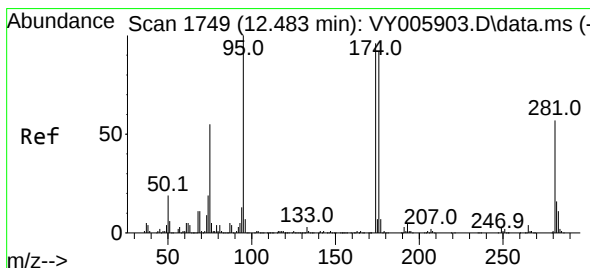
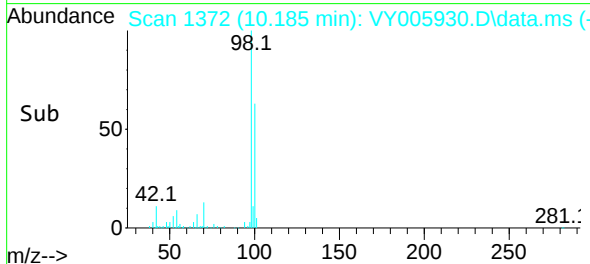
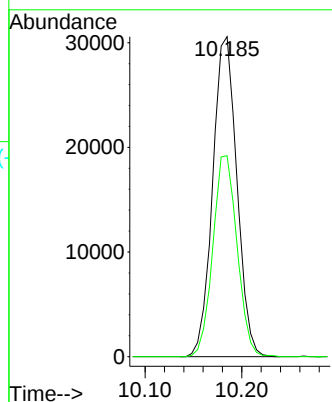
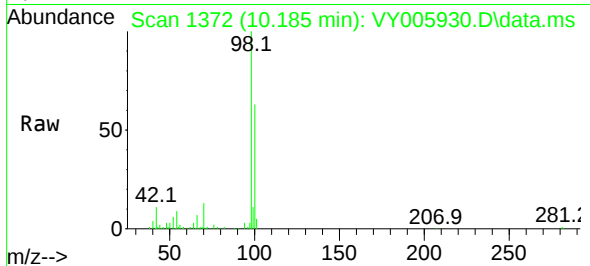




#50  
Toluene-d8  
Concen: 51.09 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

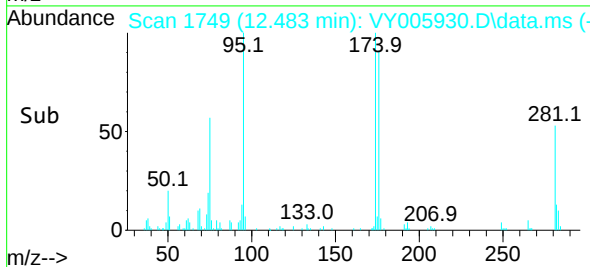
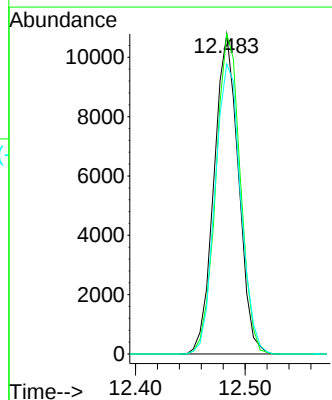
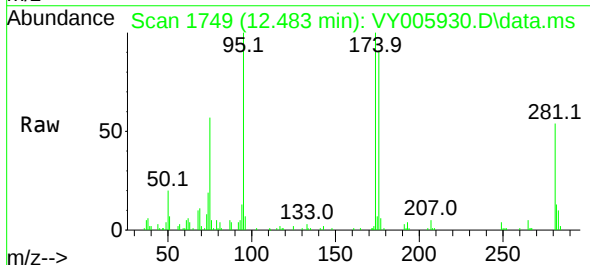
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-03-083121RE

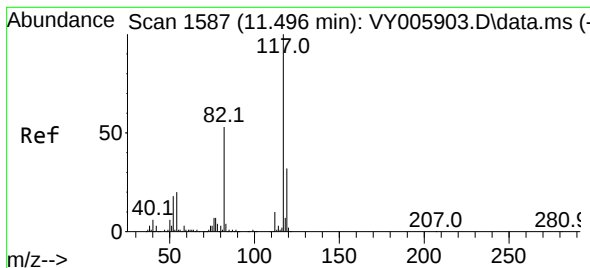
Tgt Ion: 98 Resp: 53113  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 47.75 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

Tgt Ion: 95 Resp: 16668  
Ion Ratio Lower Upper  
95 100  
174 100.1 0.0 192.4  
176 95.1 0.0 186.8

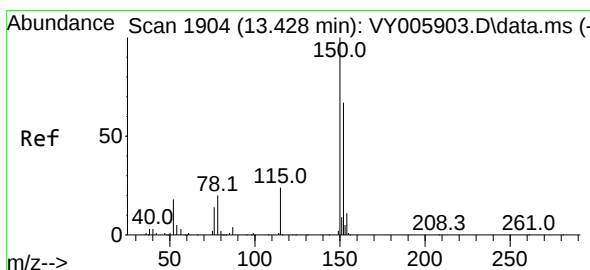
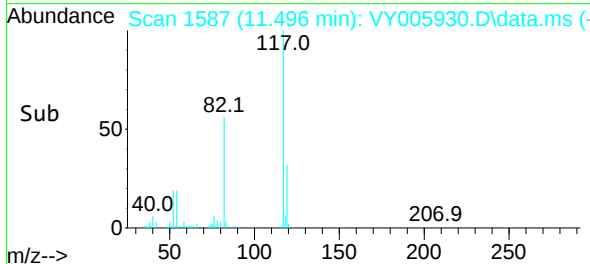
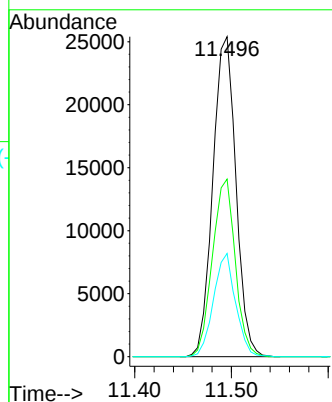
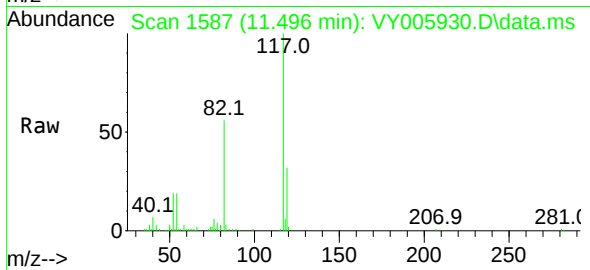




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

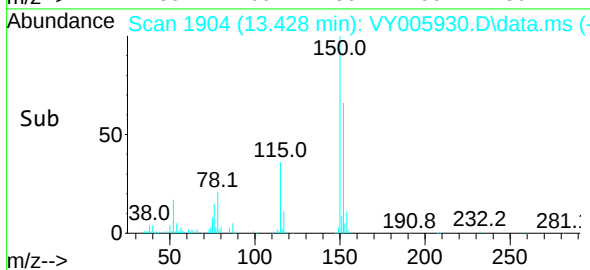
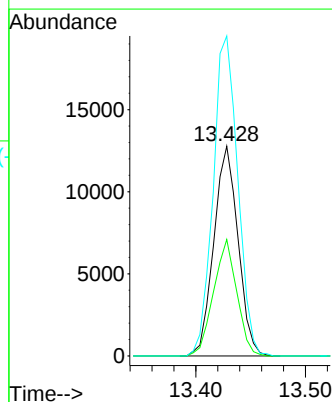
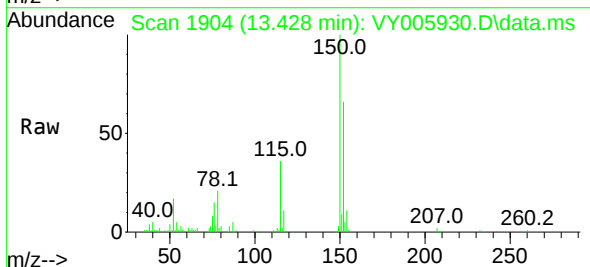
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-03-083121RE

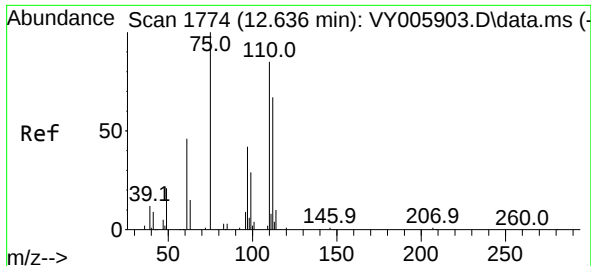
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 42025 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 55.5  | 42.4  | 63.6  |
| 119       | 32.2  | 25.4  | 38.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 19591 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 53.3  | 26.8  | 80.4  |
| 150       | 155.2 | 0.0   | 345.6 |

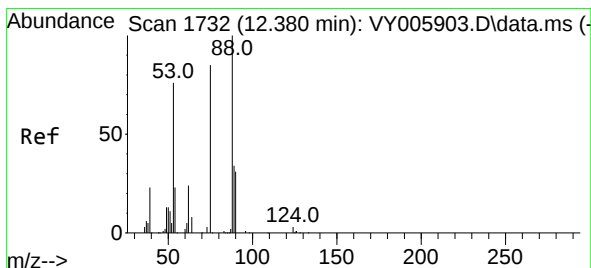
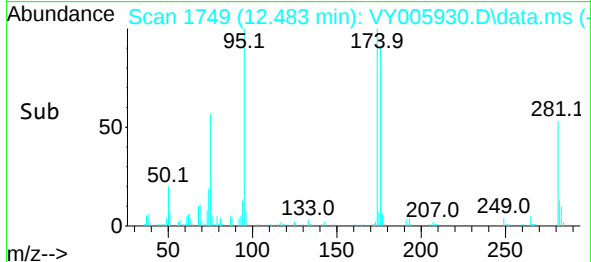
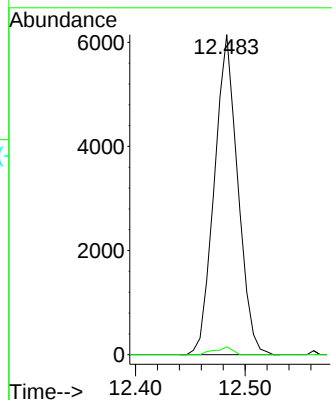
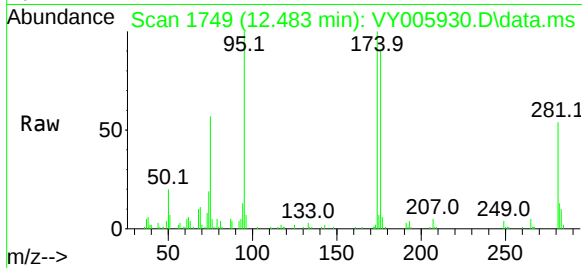




#76  
1,2,3-Trichloropropane  
Concen: 49.83 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-03-083121RE

Tgt Ion: 75 Resp: 9137  
Ion Ratio Lower Upper  
75 100  
77 1.8 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 94.76 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005930.D  
Acq: 01 Sep 2021 15:03

Tgt Ion: 75 Resp: 9137  
Ion Ratio Lower Upper  
75 100  
53 0.0 71.8 107.8#  
89 0.0 35.8 53.6#

