

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062421\  
 Data File : VY005207.D  
 Acq On : 24 Jun 2021 13:42  
 Operator : SY/MD  
 Sample : M2829-05  
 Misc : 6.24G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 25 04:34:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 07:57:52 2021  
 Response via : Initial Calibration

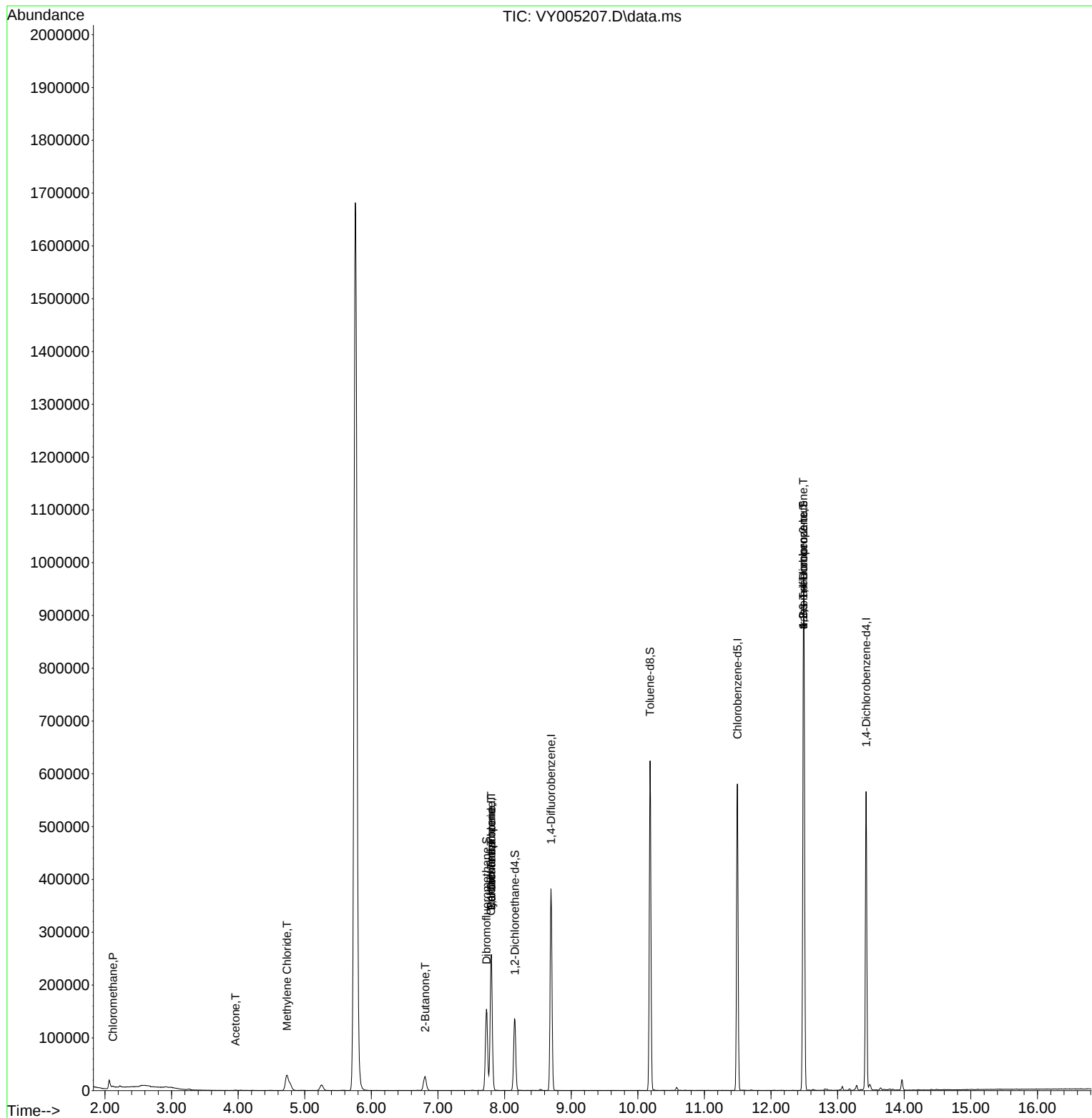
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 218098              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 346935              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 338196              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 160173              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.155          | 65   | 110107              | 60.836    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 121.680% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 108201              | 52.882    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 105.760% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 419686              | 51.291    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 102.580% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 140564              | 51.553    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 103.100% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 3) Chloromethane              | 2.119          | 50   | 2069                | 1.083     | ug/l   | 90       |
| 11) Tert butyl alcohol        | 4.978          | 59   | 586                 | Below Cal | #      | 77       |
| 16) Acetone                   | 3.960          | 43   | 1005                | 2.404     | ug/l   | 88       |
| 20) Methylene Chloride        | 4.735          | 84   | 22985               | 1.933     | ug/l   | 97       |
| 25) 2-Butanone                | 6.807          | 43   | 1825                | 2.993     | ug/l # | 43       |
| 31) Cyclohexane               | 7.795          | 56   | 8134                | 2.517     | ug/l # | 47       |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 13126               | 4.297     | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 18143               | 5.673     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 69609               | 49.001    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 69609               | 91.425    | ug/l # | 18       |
| -----                         |                |      |                     |           |        |          |

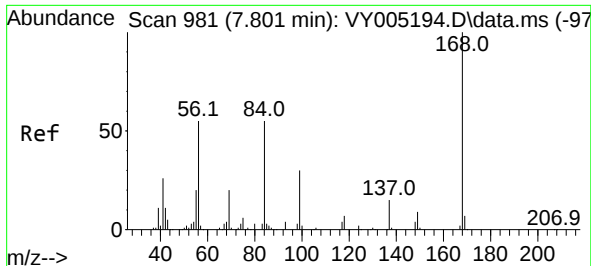
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

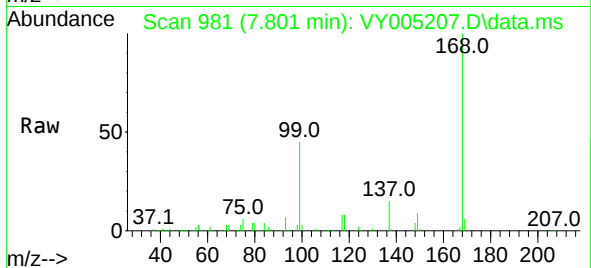
Quant Time: Jun 25 04:34:12 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 07:57:52 2021  
Response via : Initial Calibration



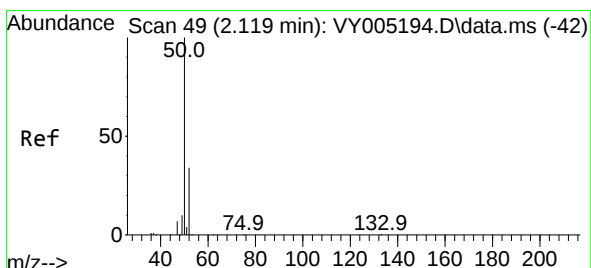
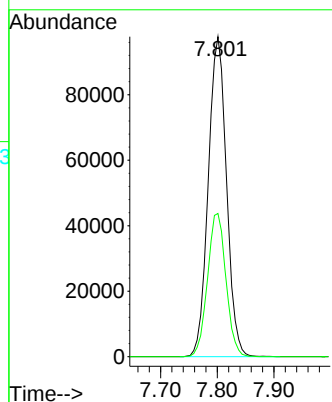
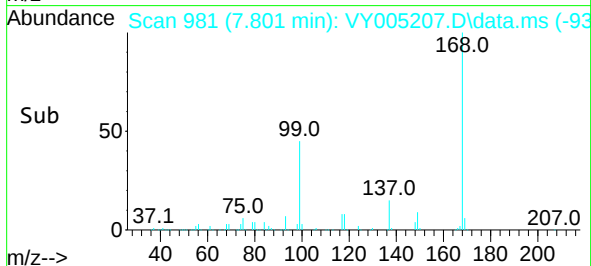


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

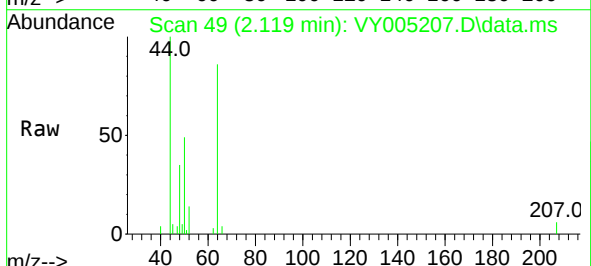
Instrument :  
MSVOA\_Y  
ClientSampleId :



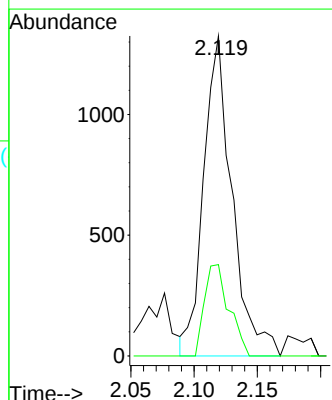
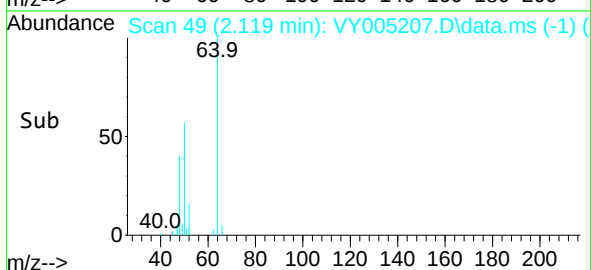
Tgt Ion:168 Resp: 218098  
Ion Ratio Lower Upper  
168 100  
99 44.7 36.2 54.4

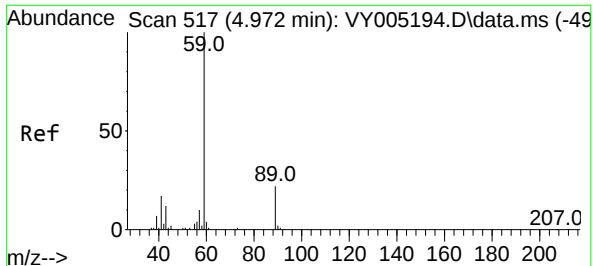


#3  
Chloromethane  
Concen: 1.083 ug/l  
RT: 2.119 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42



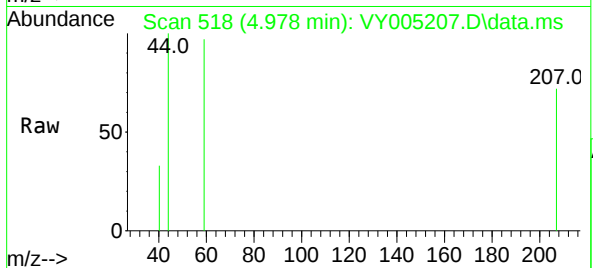
Tgt Ion: 50 Resp: 2069  
Ion Ratio Lower Upper  
50 100  
52 28.5 27.4 41.2



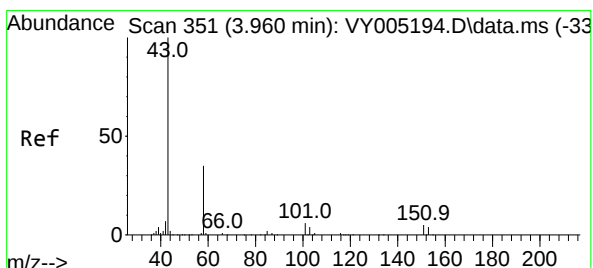
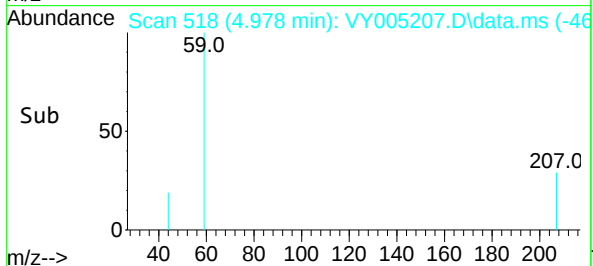
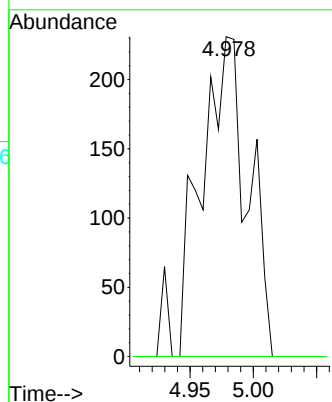


#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.978 min Scan# 518  
Delta R.T. 0.006 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

Instrument :  
MSVOA\_Y  
ClientSampled :

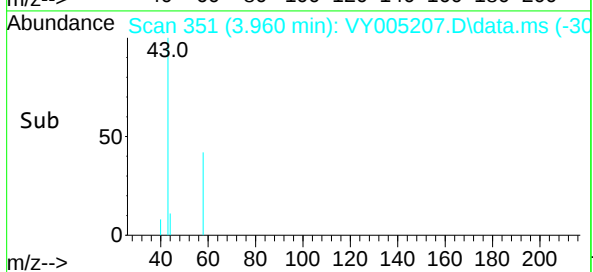
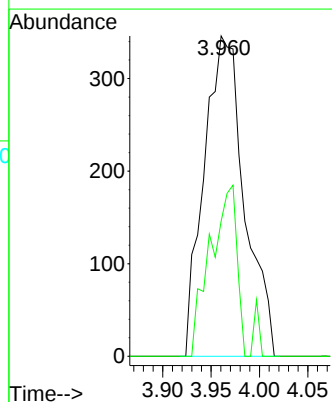
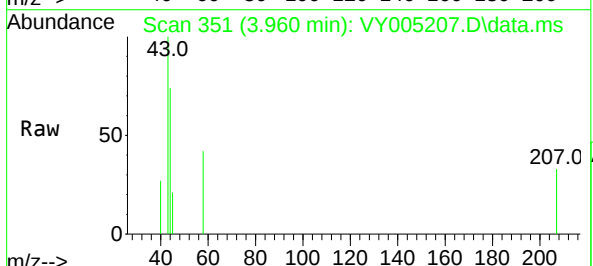


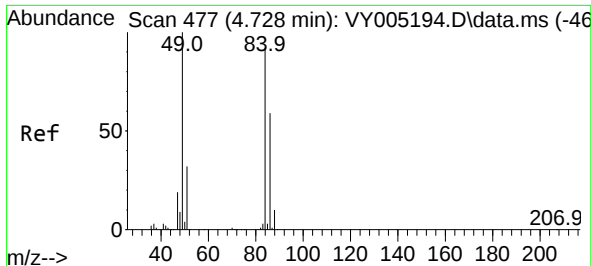
Tgt Ion: 59 Resp: 586  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.5 9.7#



#16  
Acetone  
Concen: 2.404 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.000 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

Tgt Ion: 43 Resp: 1005  
Ion Ratio Lower Upper  
43 100  
58 42.2 28.2 42.2





#20

Methylene Chloride

Concen: 1.933 ug/l

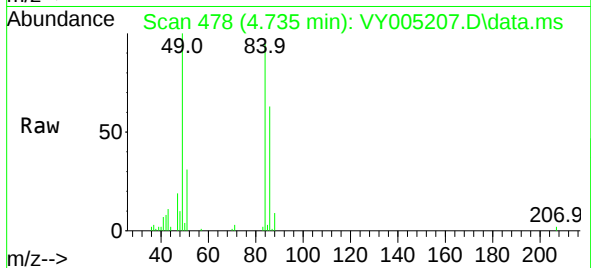
RT: 4.735 min Scan# 478

Delta R.T. 0.007 min

Lab File: VY005207.D

Acq: 24 Jun 2021 13:42

Instrument :  
MSVOA\_Y  
ClientSampled :



Tgt Ion: 84 Resp: 22985

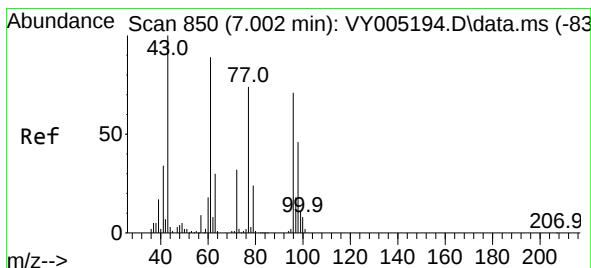
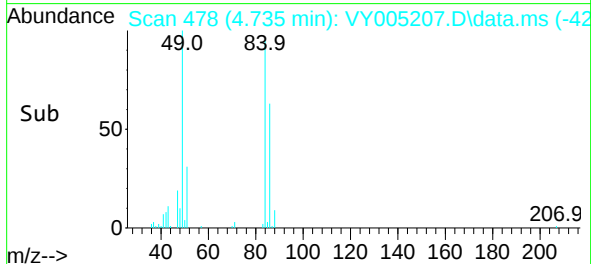
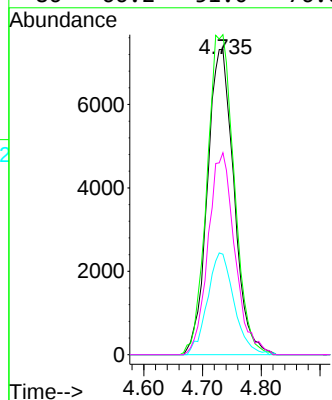
Ion Ratio Lower Upper

84 100

49 104.9 86.9 130.3

51 32.9 27.4 41.2

86 66.2 51.0 76.6



#25

2-Butanone

Concen: 2.993 ug/l

RT: 6.807 min Scan# 818

Delta R.T. -0.195 min

Lab File: VY005207.D

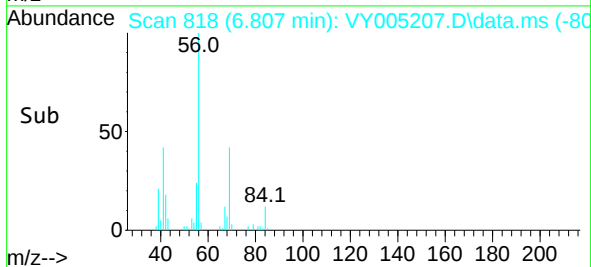
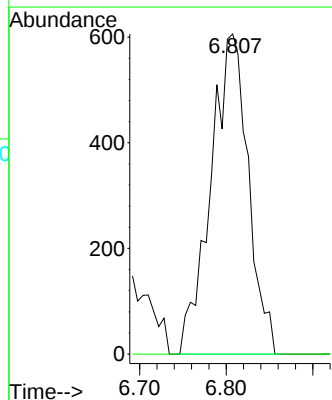
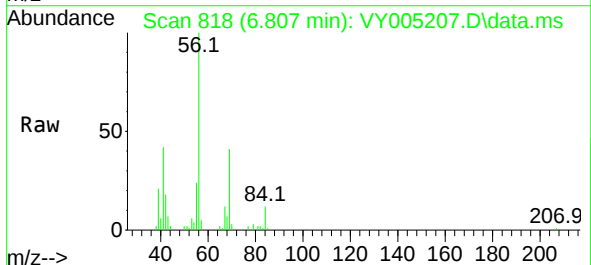
Acq: 24 Jun 2021 13:42

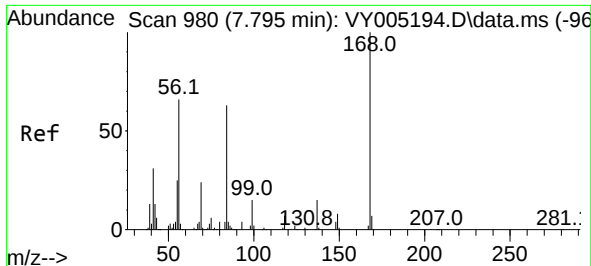
Tgt Ion: 43 Resp: 1825

Ion Ratio Lower Upper

43 100

72 0.0 25.3 37.9#

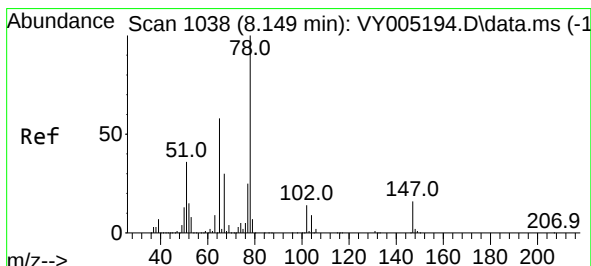
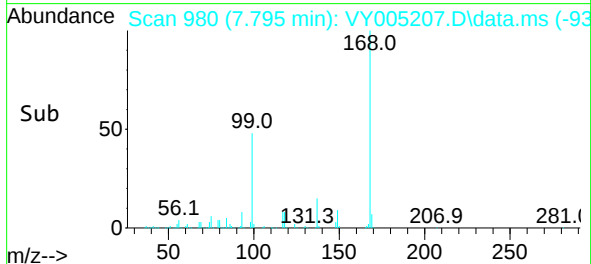
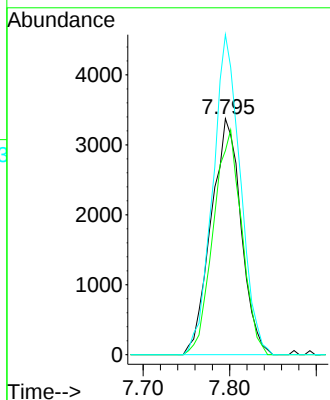
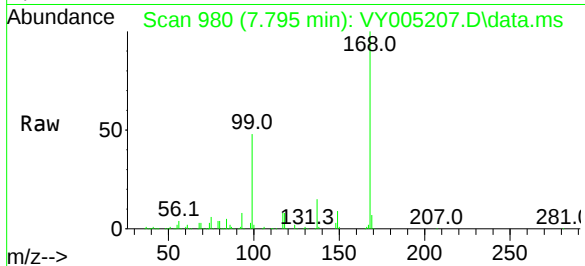




#31  
Cyclohexane  
Concen: 2.517 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

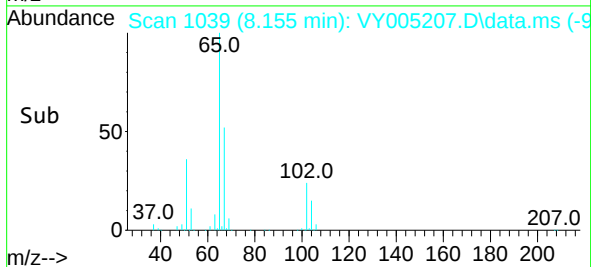
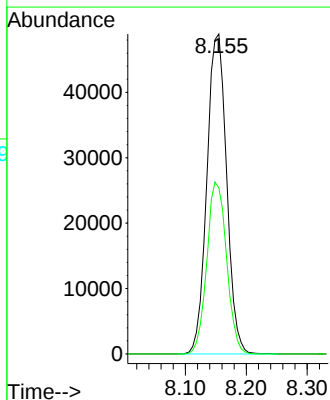
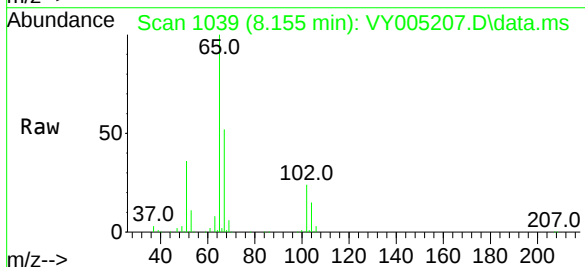
Instrument :  
MSVOA\_Y  
ClientSampleId :

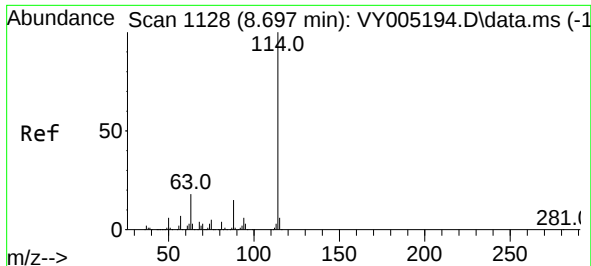
Tgt Ion: 56 Resp: 8134  
Ion Ratio Lower Upper  
56 100  
69 86.5 29.6 44.4#  
84 135.6 76.4 114.6#



#33  
1,2-Dichloroethane-d4  
Concen: 60.836 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

Tgt Ion: 65 Resp: 110107  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 110.6

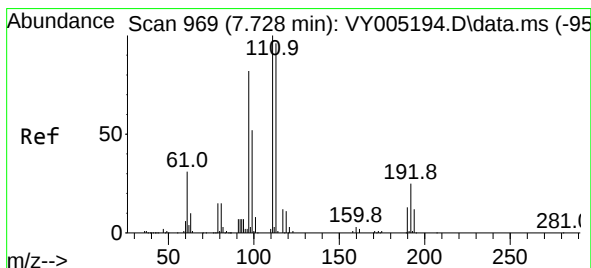
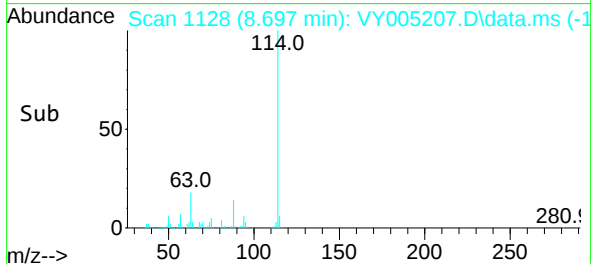
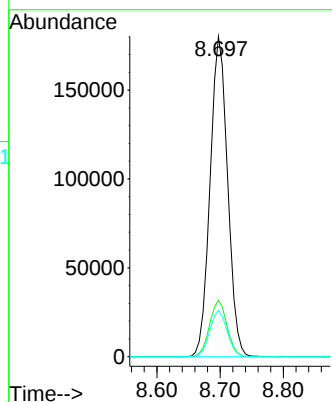
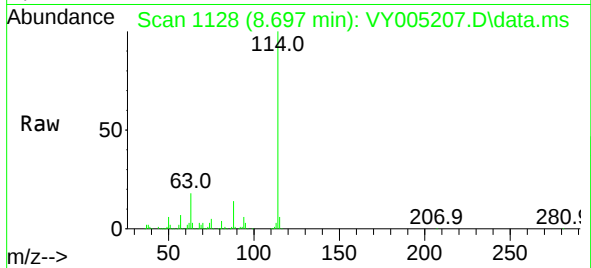




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

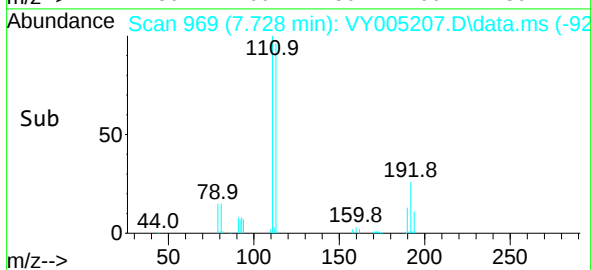
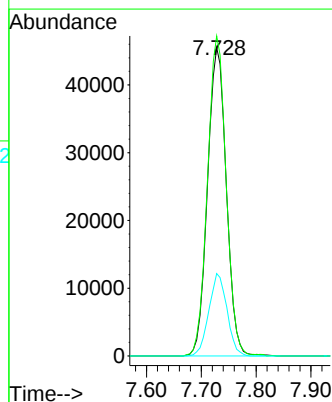
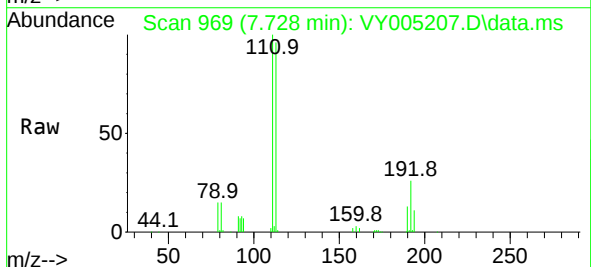
Instrument :  
MSVOA\_Y  
ClientSampleId :

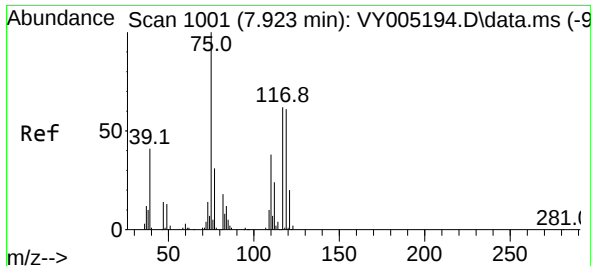
Tgt Ion:114 Resp: 346935  
Ion Ratio Lower Upper  
114 100  
63 17.6 0.0 35.2  
88 14.4 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 52.882 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

Tgt Ion:113 Resp: 108201  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.6 124.0  
192 25.7 20.2 30.2

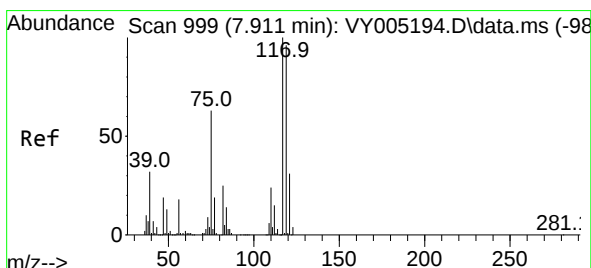
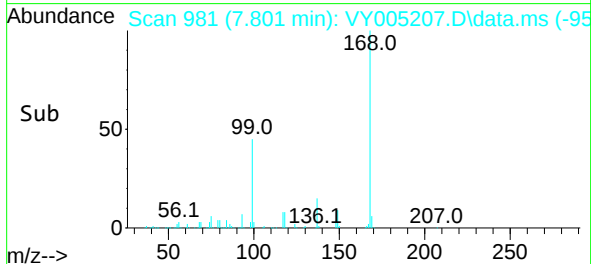
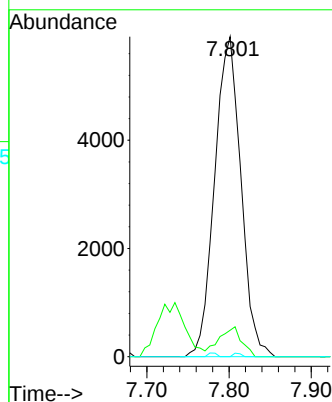
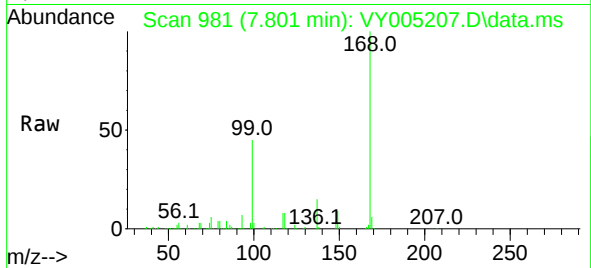




#36  
1,1-Dichloropropene  
Concen: 4.297 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.122 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

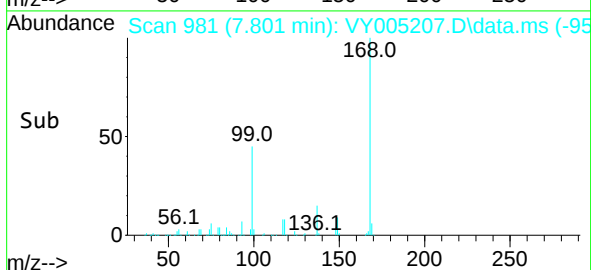
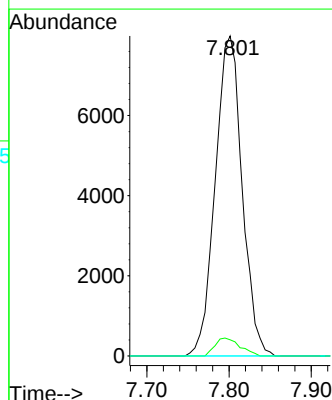
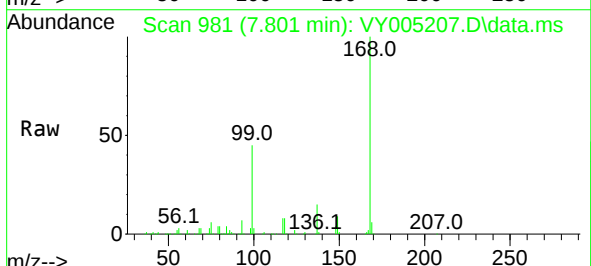
Instrument :  
MSVOA\_Y  
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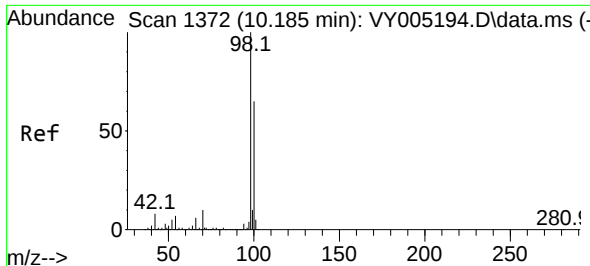
Tgt Ion: 75 Resp: 13126  
Ion Ratio Lower Upper  
75 100  
110 8.1 19.1 57.5#  
77 0.3 25.2 37.8#



#38  
Carbon Tetrachloride  
Concen: 5.673 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.110 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

Tgt Ion: 117 Resp: 18143  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.2 114.4#  
121 0.0 24.7 37.1#

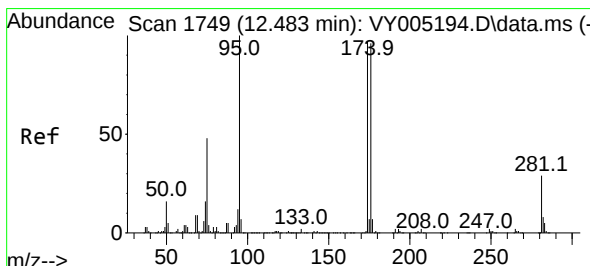
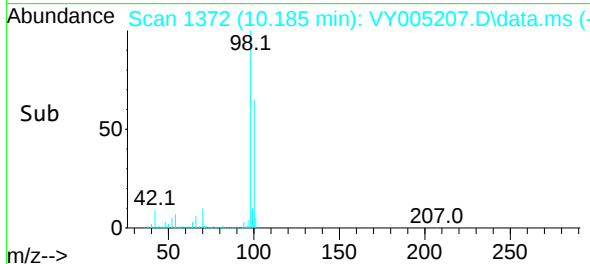
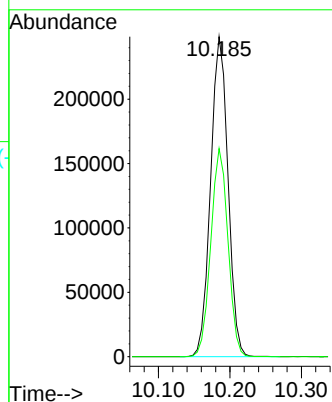
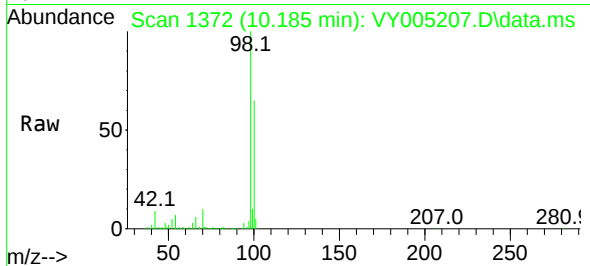




#50  
Toluene-d8  
Concen: 51.291 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

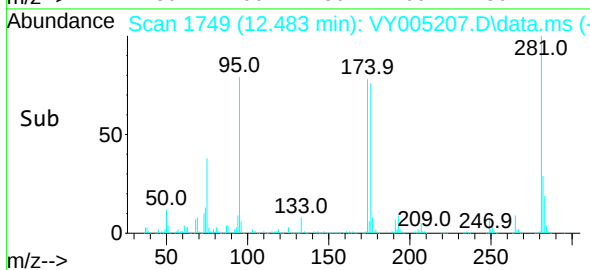
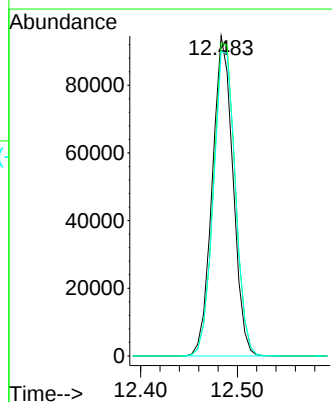
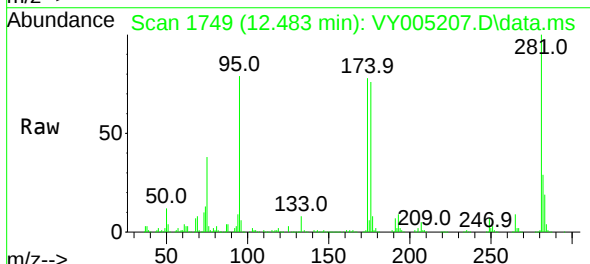
Instrument :  
MSVOA\_Y  
ClientSampled :

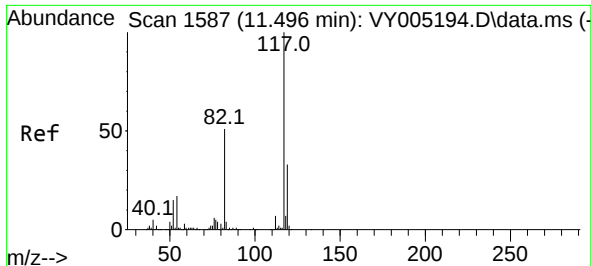
Tgt Ion: 98 Resp: 419686  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 51.553 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

Tgt Ion: 95 Resp: 140564  
Ion Ratio Lower Upper  
95 100  
174 102.5 0.0 201.6  
176 100.8 0.0 197.4

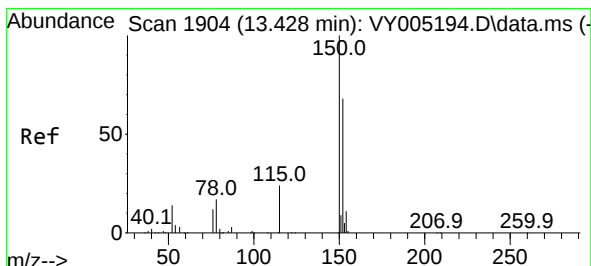
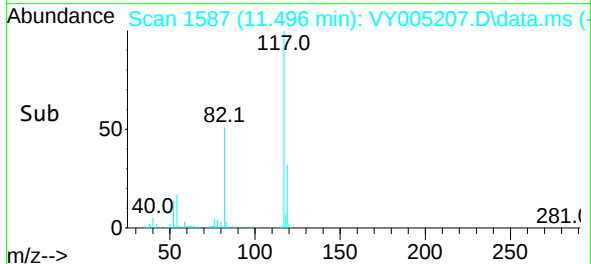
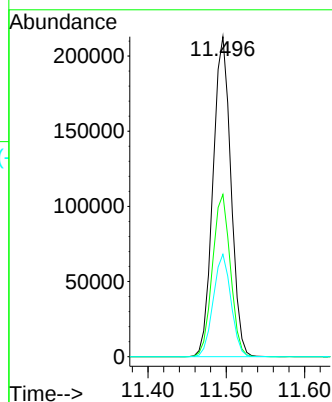
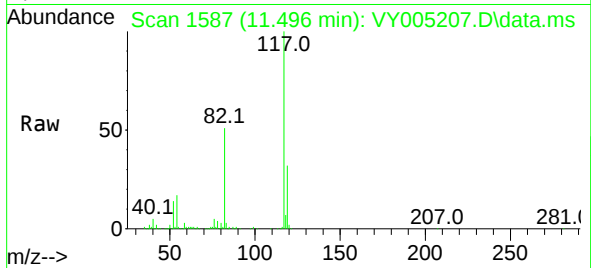




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

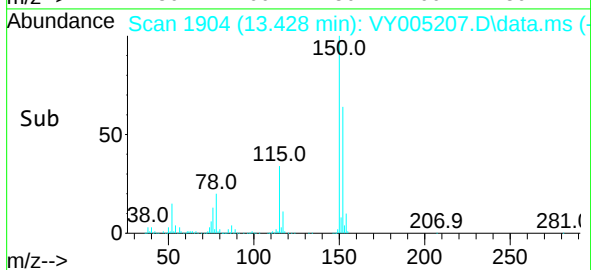
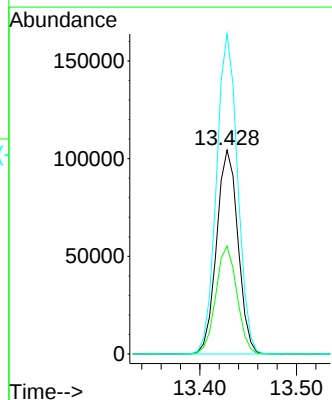
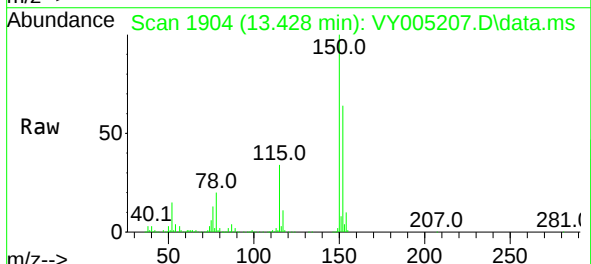
Instrument :  
MSVOA\_Y  
ClientSampleId :

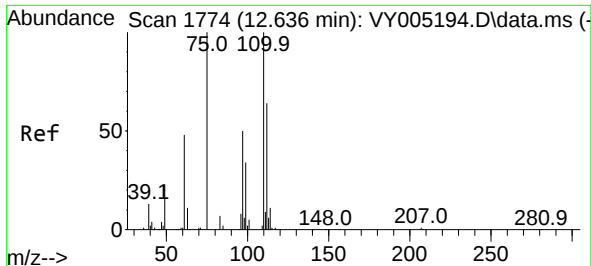
Tgt Ion:117 Resp: 338196  
Ion Ratio Lower Upper  
117 100  
82 50.7 40.6 60.8  
119 32.0 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

Tgt Ion:152 Resp: 160173  
Ion Ratio Lower Upper  
152 100  
115 52.3 26.3 78.8  
150 154.9 0.0 344.2

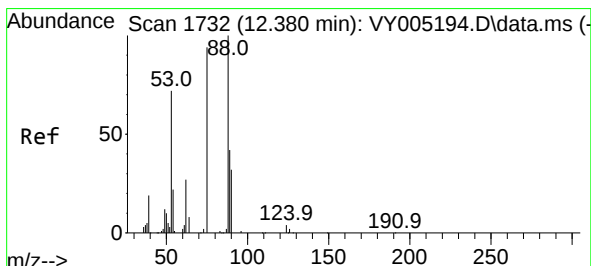
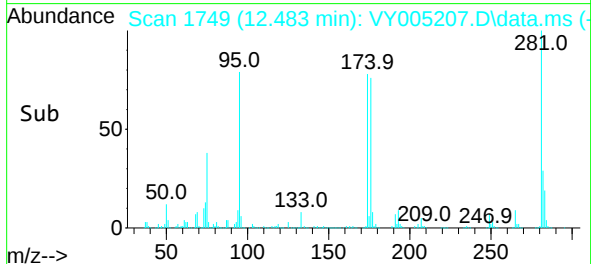
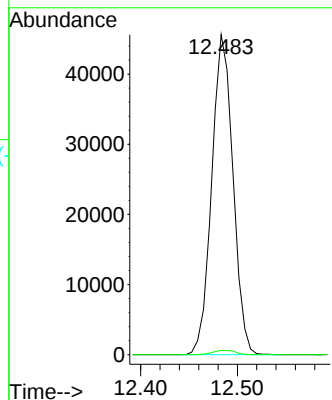
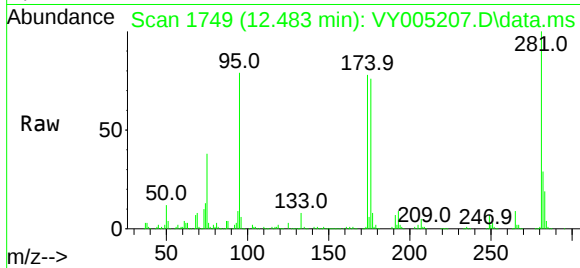




#76  
1,2,3-Trichloropropane  
Concen: 49.001 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 69609  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 91.425 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005207.D  
Acq: 24 Jun 2021 13:42

Tgt Ion: 75 Resp: 69609  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.0 94.4#  
89 1.6 38.0 57.0#

