

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042721\  
 Data File : VY004647.D  
 Acq On : 27 Apr 2021 11:40  
 Operator : SY/MD  
 Sample : M2170-06RE  
 Misc : 10.85G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 28 10:02:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 2021  
 Response via : Initial Calibration

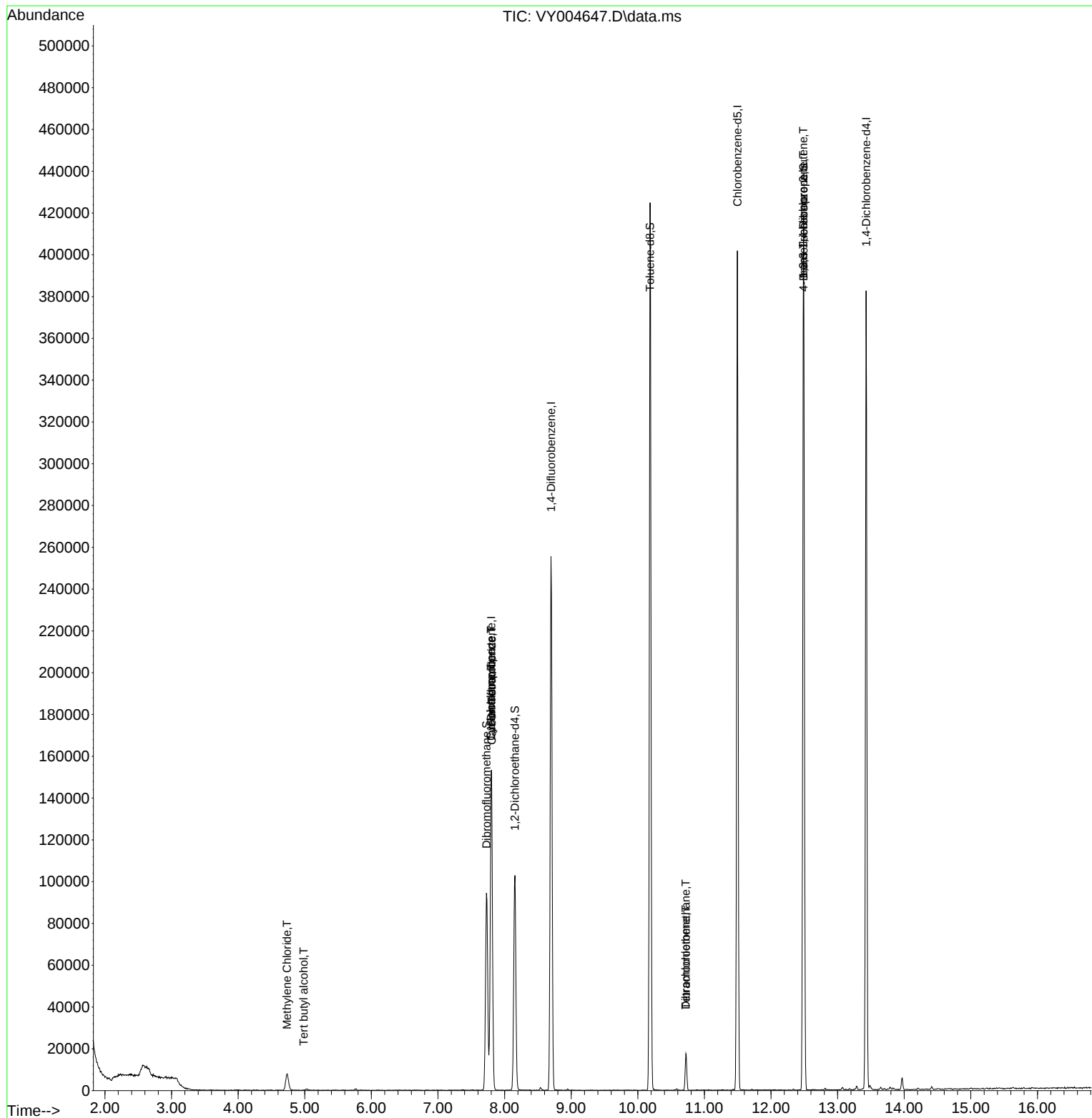
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 116926             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 207430             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 199097             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 89534              | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.155          | 65   | 80504              | 61.97     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 123.94% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 64029              | 55.62     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 111.24% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 256276             | 52.34     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 104.68% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.489         | 95   | 86325              | 51.95     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 103.90% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.985          | 59   | 147                | 1.15      | ug/l # | 73       |
| 16) Acetone                   | 3.966          | 43   | 432                | Below Cal | #      | 44       |
| 20) Methylene Chloride        | 4.735          | 84   | 5547               | 4.42      | ug/l   | 95       |
| 31) Cyclohexane               | 7.795          | 56   | 2856               | 1.20      | ug/l # | 26       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 9493               | 4.61      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.807          | 117  | 11708              | 6.57      | ug/l # | 16       |
| 60) Dibromochloromethane      | 10.721         | 129  | 3109               | 2.33      | ug/l # | 10       |
| 64) Tetrachloroethene         | 10.721         | 164  | 3617               | 2.09      | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 50222              | 52.26     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 50222              | 93.49     | ug/l # | 12       |
| -----                         |                |      |                    |           |        |          |

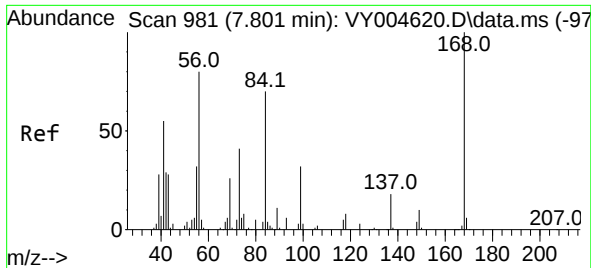
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042721\  
Data File : VY004647.D  
Acq On : 27 Apr 2021 11:40  
Operator : SY/MD  
Sample : M2170-06RE  
Misc : 10.85G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

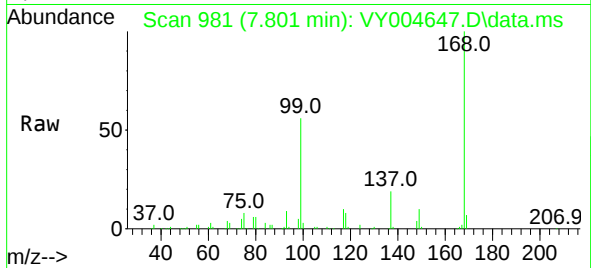
Quant Time: Apr 28 10:02:27 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 13 03:38:02 2021  
Response via : Initial Calibration



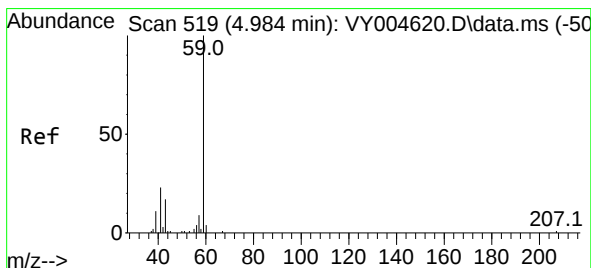
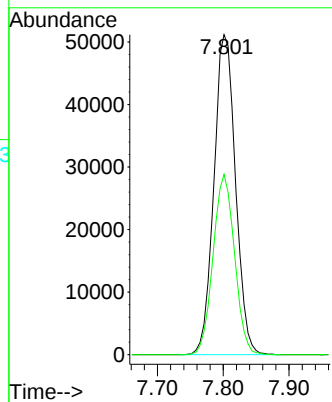
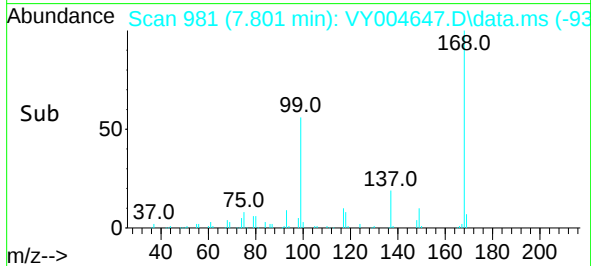


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

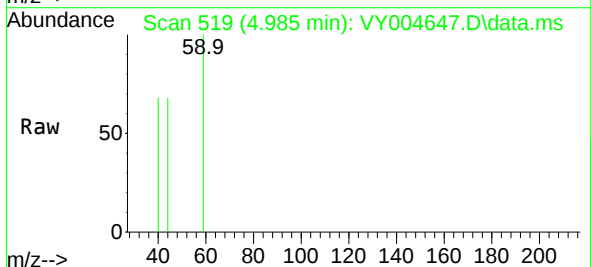
Instrument :  
MSVOA\_Y  
ClientSampleId :



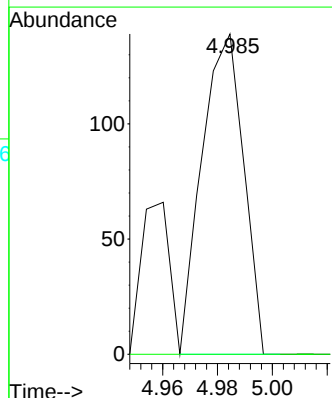
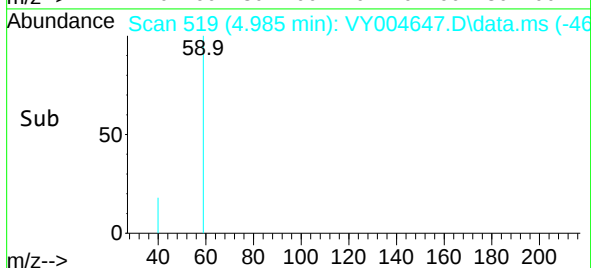
Tgt Ion:168 Resp: 116926  
Ion Ratio Lower Upper  
168 100  
99 56.3 45.5 68.3

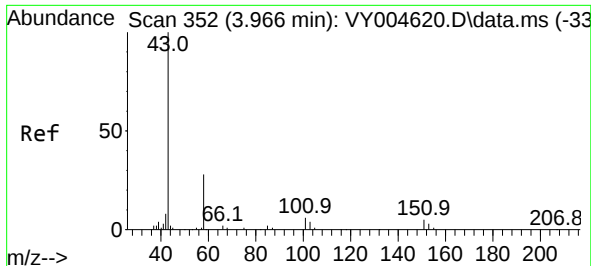


#11  
Tert butyl alcohol  
Concen: 1.15 ug/l  
RT: 4.985 min Scan# 519  
Delta R.T. 0.006 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40



Tgt Ion: 59 Resp: 147  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#

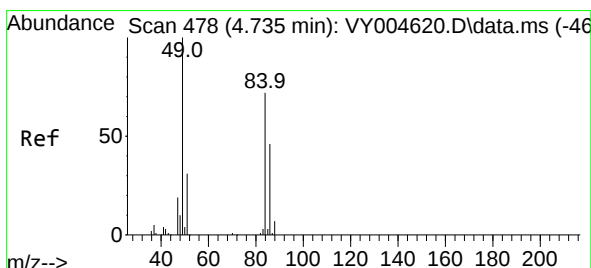
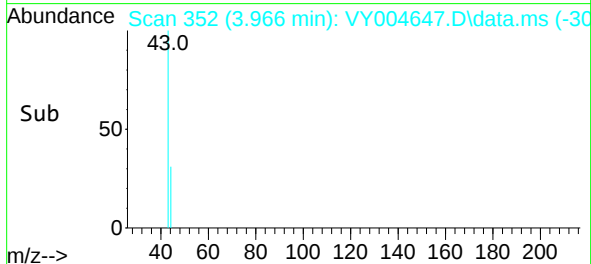
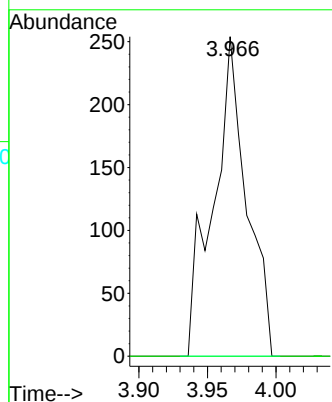
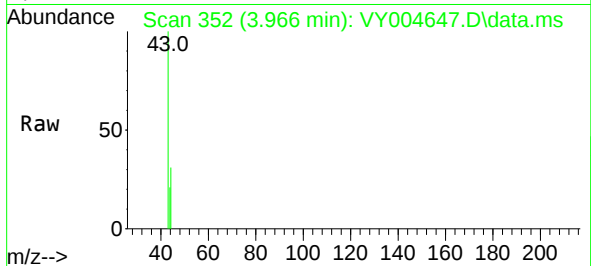




#16  
Acetone  
Concen: Below Cal  
RT: 3.966 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

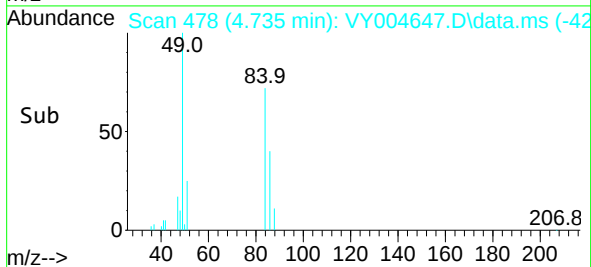
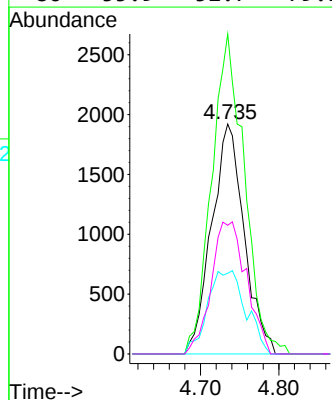
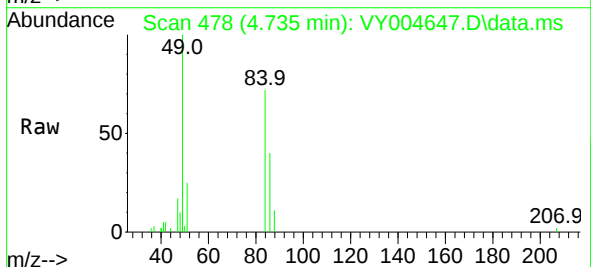
Instrument :  
MSVOA\_Y  
ClientSampled :

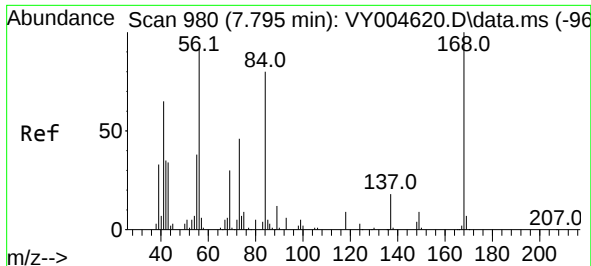
Tgt Ion: 43 Resp: 432  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.6 37.0#



#20  
Methylene Chloride  
Concen: 4.42 ug/l  
RT: 4.735 min Scan# 478  
Delta R.T. 0.000 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

Tgt Ion: 84 Resp: 5547  
Ion Ratio Lower Upper  
84 100  
49 139.1 111.2 166.8  
51 35.1 33.4 50.2  
86 55.9 52.7 79.1

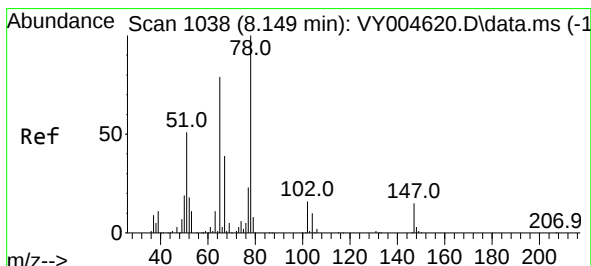
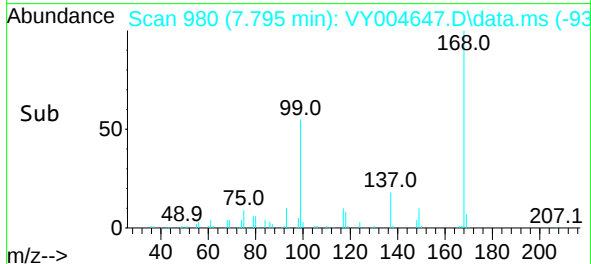
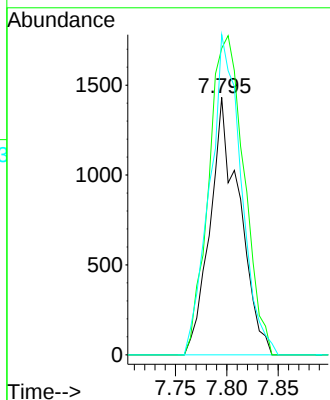
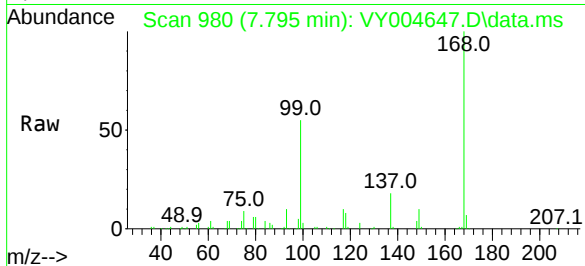




#31  
Cyclohexane  
Concen: 1.20 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

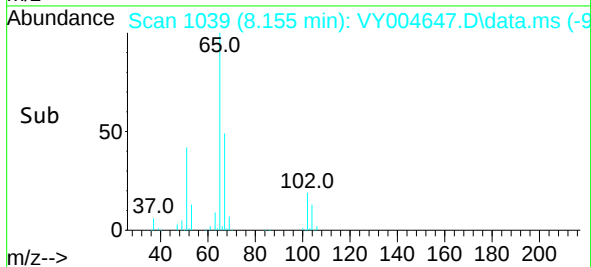
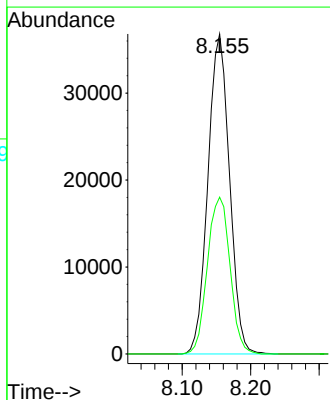
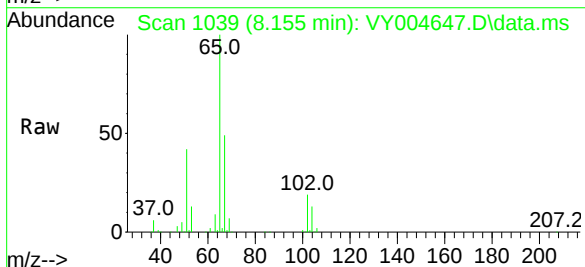
Instrument :  
MSVOA\_Y  
ClientSampleId :

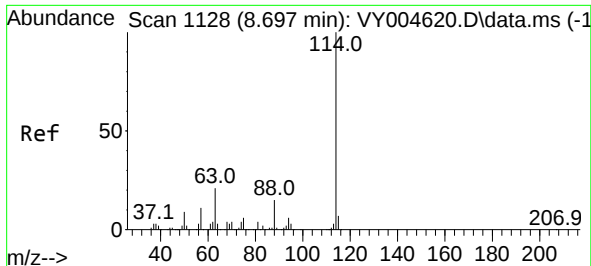
Tgt Ion: 56 Resp: 2856  
Ion Ratio Lower Upper  
56 100  
69 119.1 25.8 38.6#  
84 124.4 68.2 102.4#



#33  
1,2-Dichloroethane-d4  
Concen: 61.97 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.000 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

Tgt Ion: 65 Resp: 80504  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

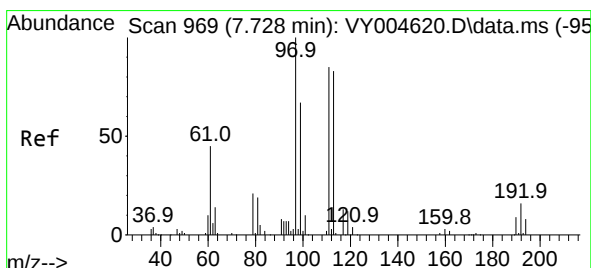
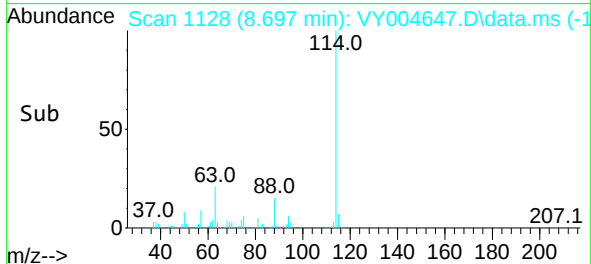
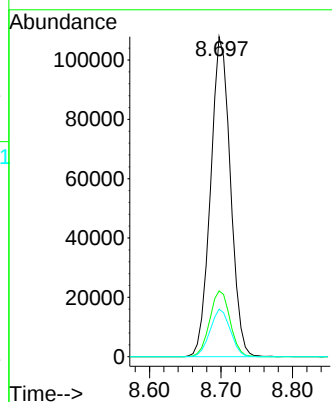
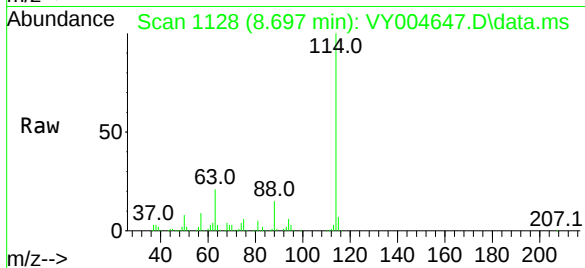
Delta R.T. 0.000 min

Lab File: VY004647.D

Acq: 27 Apr 2021 11:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 207430      |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 20.5  | 0.0 42.4    |
| 88          | 14.9  | 0.0 30.8    |



#35

Dibromofluoromethane

Concen: 55.62 ug/l

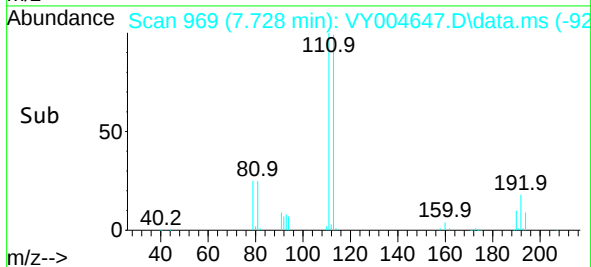
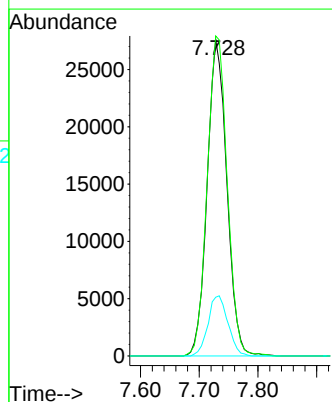
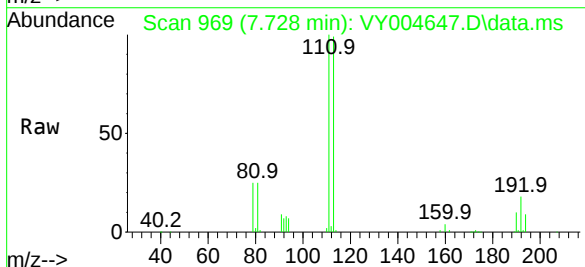
RT: 7.728 min Scan# 969

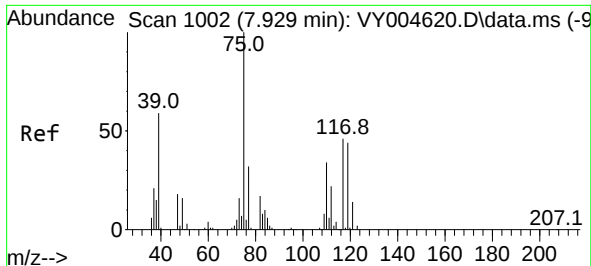
Delta R.T. 0.000 min

Lab File: VY004647.D

Acq: 27 Apr 2021 11:40

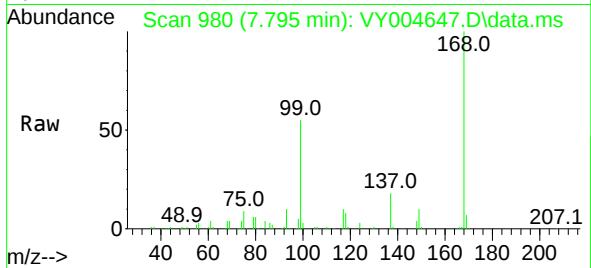
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 64029       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 103.2 | 82.6 123.8  |
| 192         | 19.3  | 16.1 24.1   |



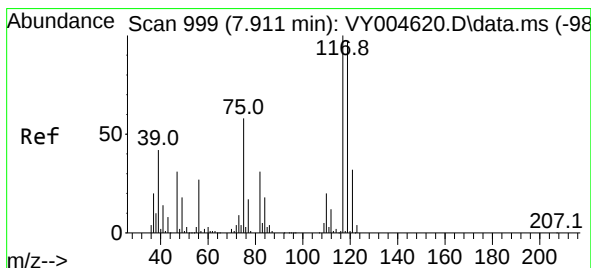
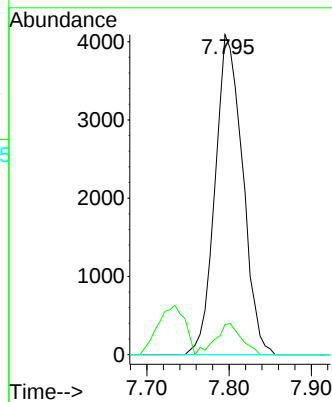
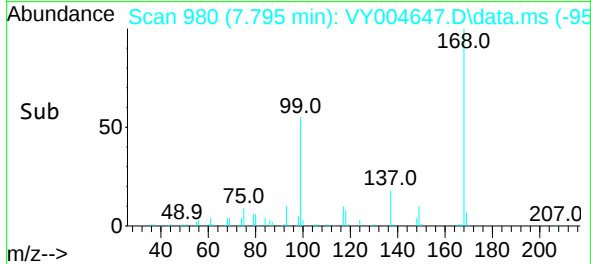


#36  
1,1-Dichloropropene  
Concen: 4.61 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.134 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

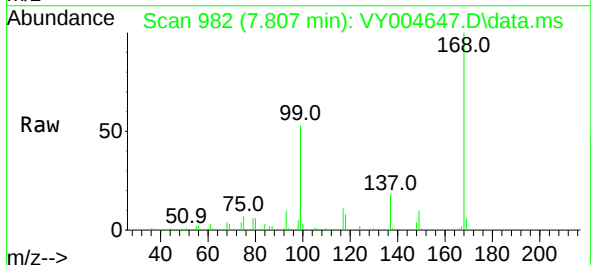
Instrument :  
MSVOA\_Y  
ClientSampleId :



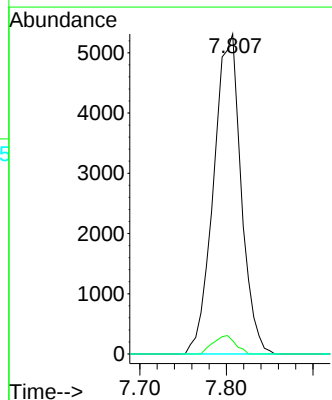
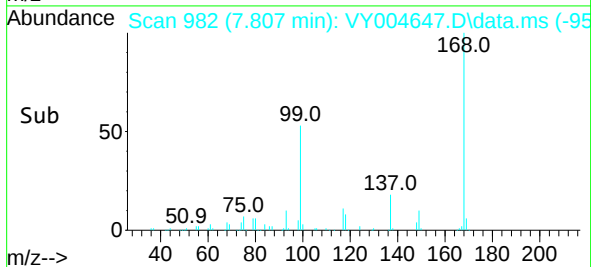
|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 9493     |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 8.6 17.3 51.7# |
| 77          | 0.0 24.3 36.5# |

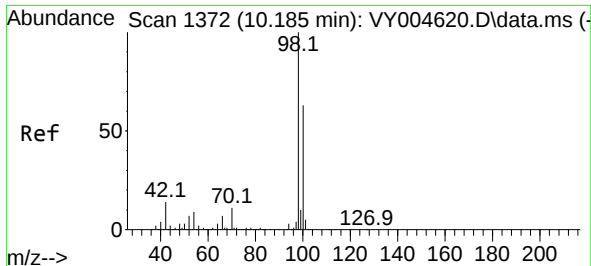


#38  
Carbon Tetrachloride  
Concen: 6.57 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. -0.103 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40



|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 11708     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 4.2 75.8 113.8# |
| 121          | 0.0 25.3 37.9#  |

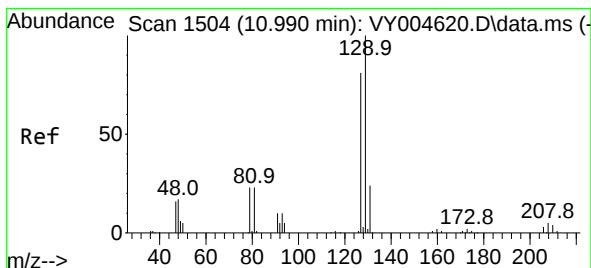
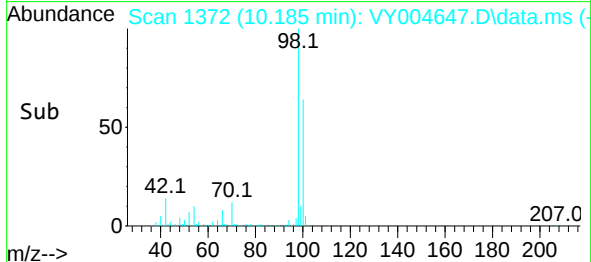
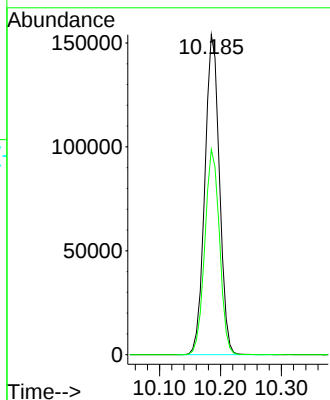
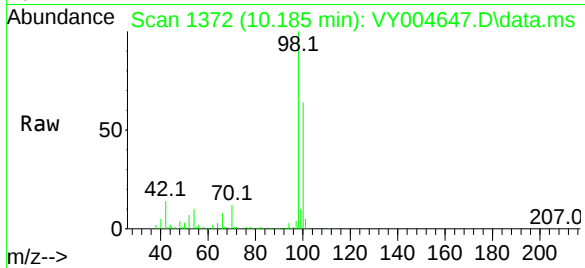




#50  
Toluene-d8  
Concen: 52.34 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

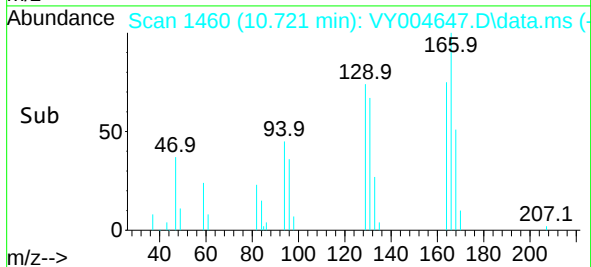
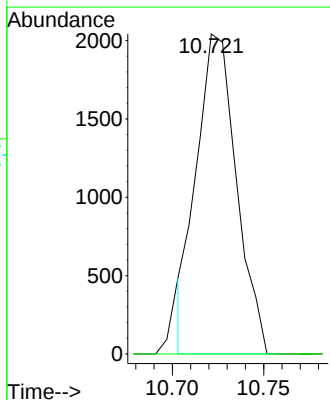
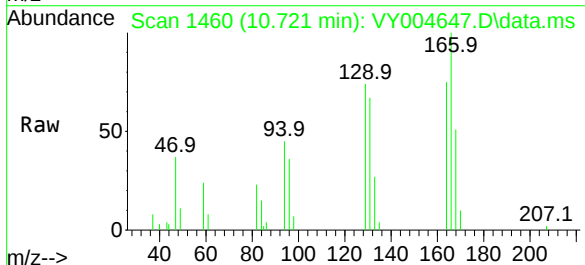
Instrument :  
MSVOA\_Y  
ClientSampled :

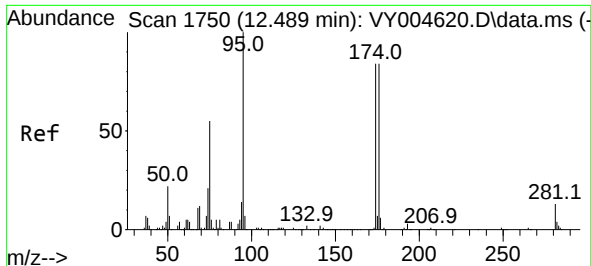
Tgt Ion: 98 Resp: 256276  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.8 77.6



#60  
Dibromochloromethane  
Concen: 2.33 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. -0.268 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

Tgt Ion:129 Resp: 3109  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.9 116.7#

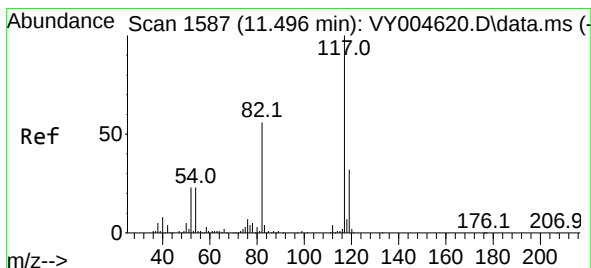
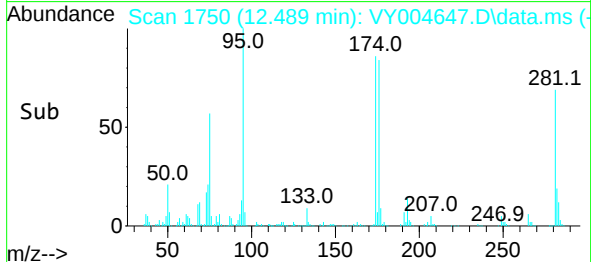
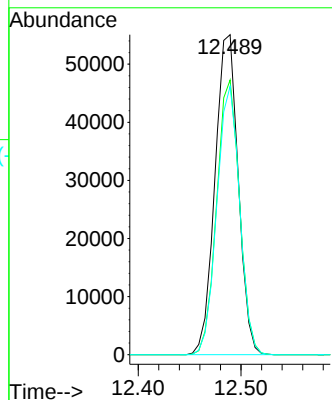
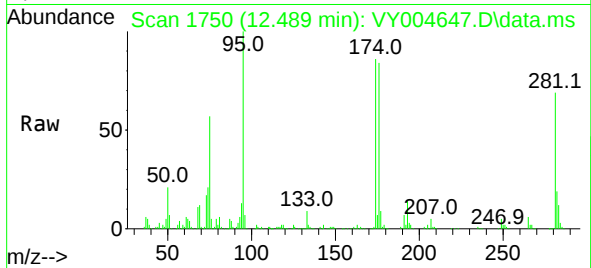




#62  
4-Bromofluorobenzene  
Concen: 51.95 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

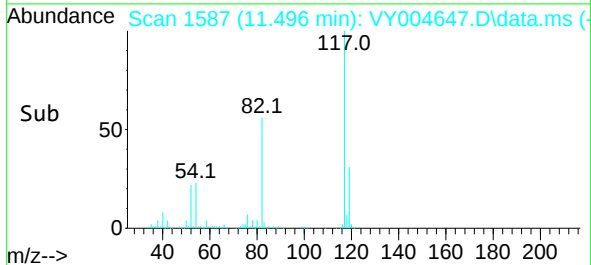
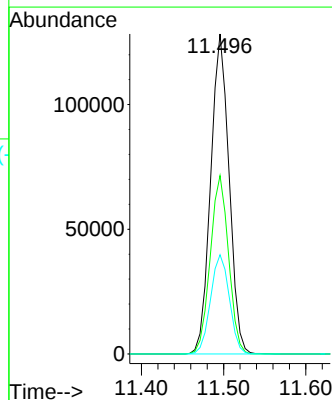
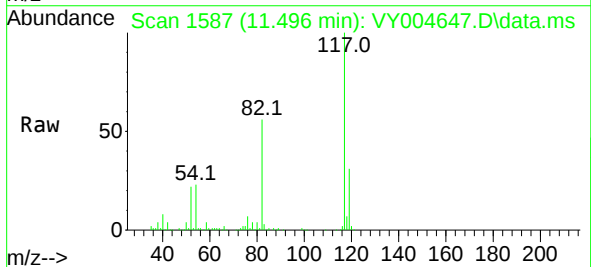
Instrument :  
MSVOA\_Y  
ClientSampleId :

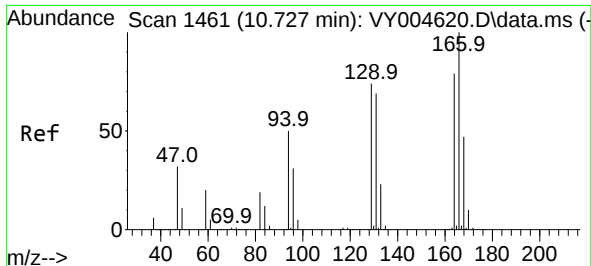
Tgt Ion: 95 Resp: 86325  
Ion Ratio Lower Upper  
95 100  
174 84.2 0.0 162.4  
176 82.2 0.0 156.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

Tgt Ion: 117 Resp: 199097  
Ion Ratio Lower Upper  
117 100  
82 55.7 44.9 67.3  
119 31.0 25.4 38.0

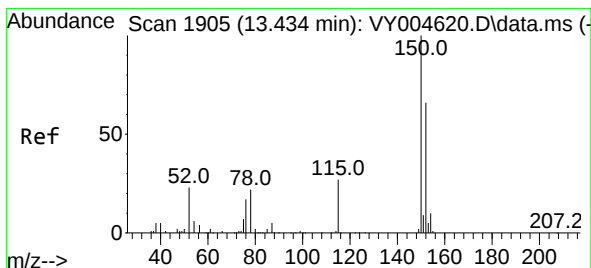
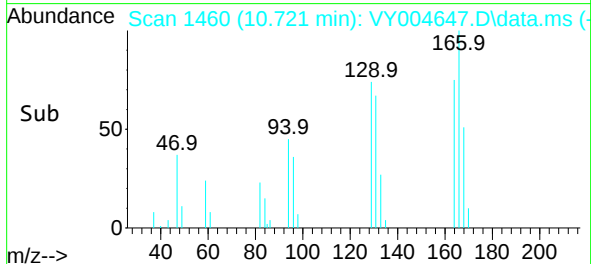
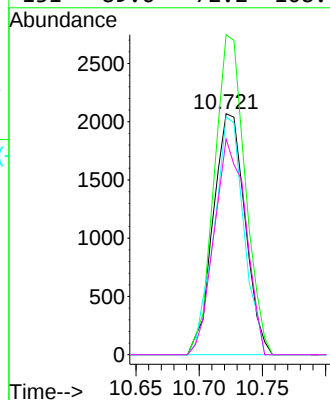
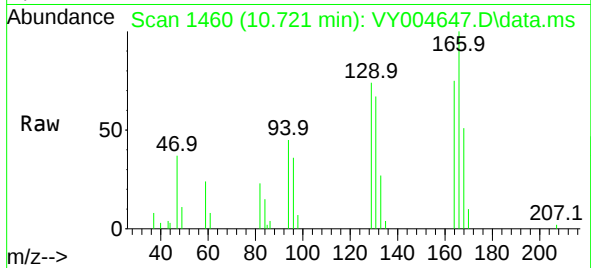




#64  
Tetrachloroethene  
Concen: 2.09 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

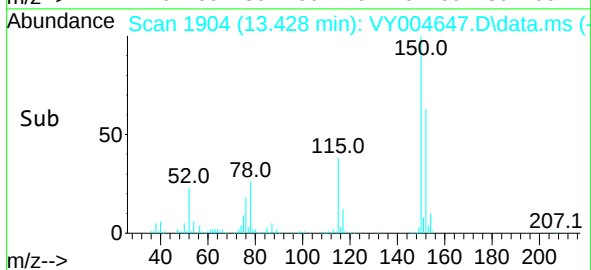
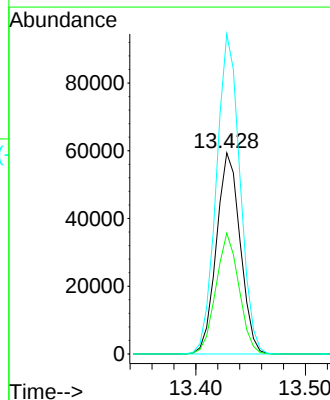
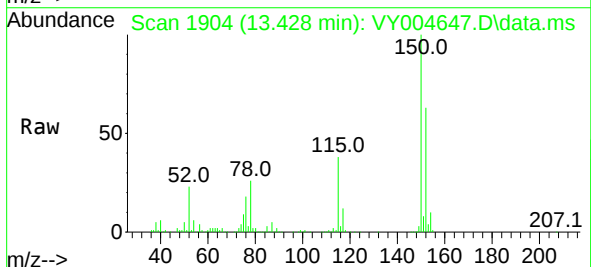
Instrument :  
MSVOA\_Y  
ClientSampleId :

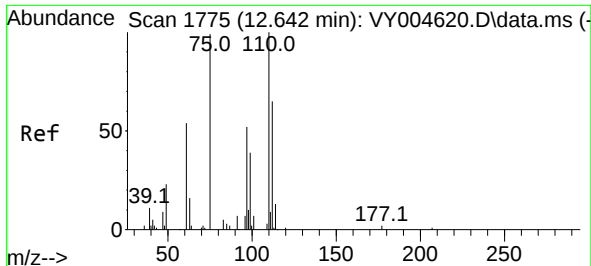
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 3617        |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 166         | 132.8 | 102.1 153.1 |
| 129         | 98.7  | 74.8 112.2  |
| 131         | 89.6  | 72.2 108.4  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 89534       |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 58.1  | 29.6 88.8   |
| 150         | 157.9 | 0.0 348.4   |

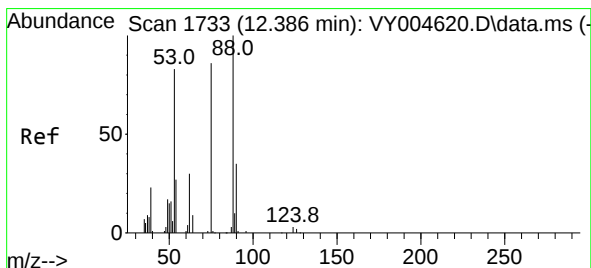
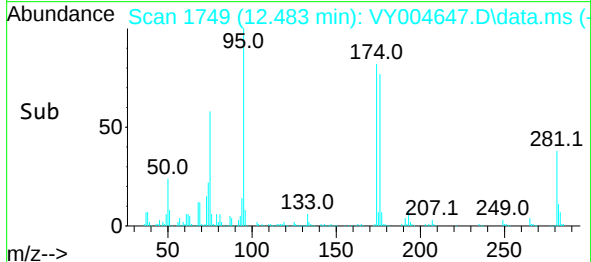
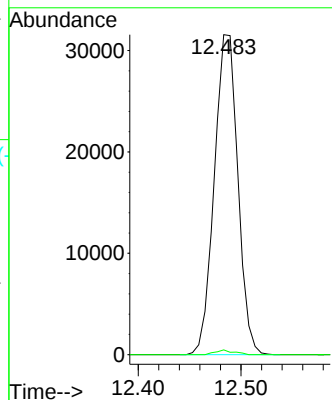
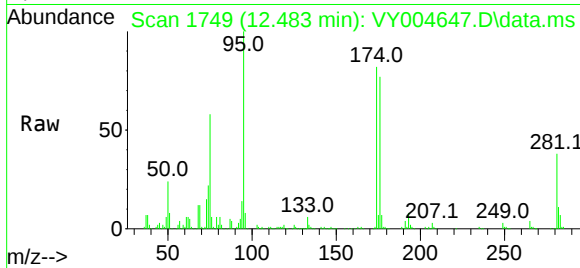




#76  
1,2,3-Trichloropropane  
Concen: 52.26 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 50222  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.49 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.098 min  
Lab File: VY004647.D  
Acq: 27 Apr 2021 11:40

Tgt Ion: 75 Resp: 50222  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.0 112.6#  
89 1.0 36.1 54.1#

