

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041621\  
 Data File : VY004466.D  
 Acq On : 16 Apr 2021 13:49  
 Operator : SY/MD  
 Sample : M2052-01  
 Misc : 7.29G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OK-02-041521

Quant Time: Apr 17 00:53:58 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

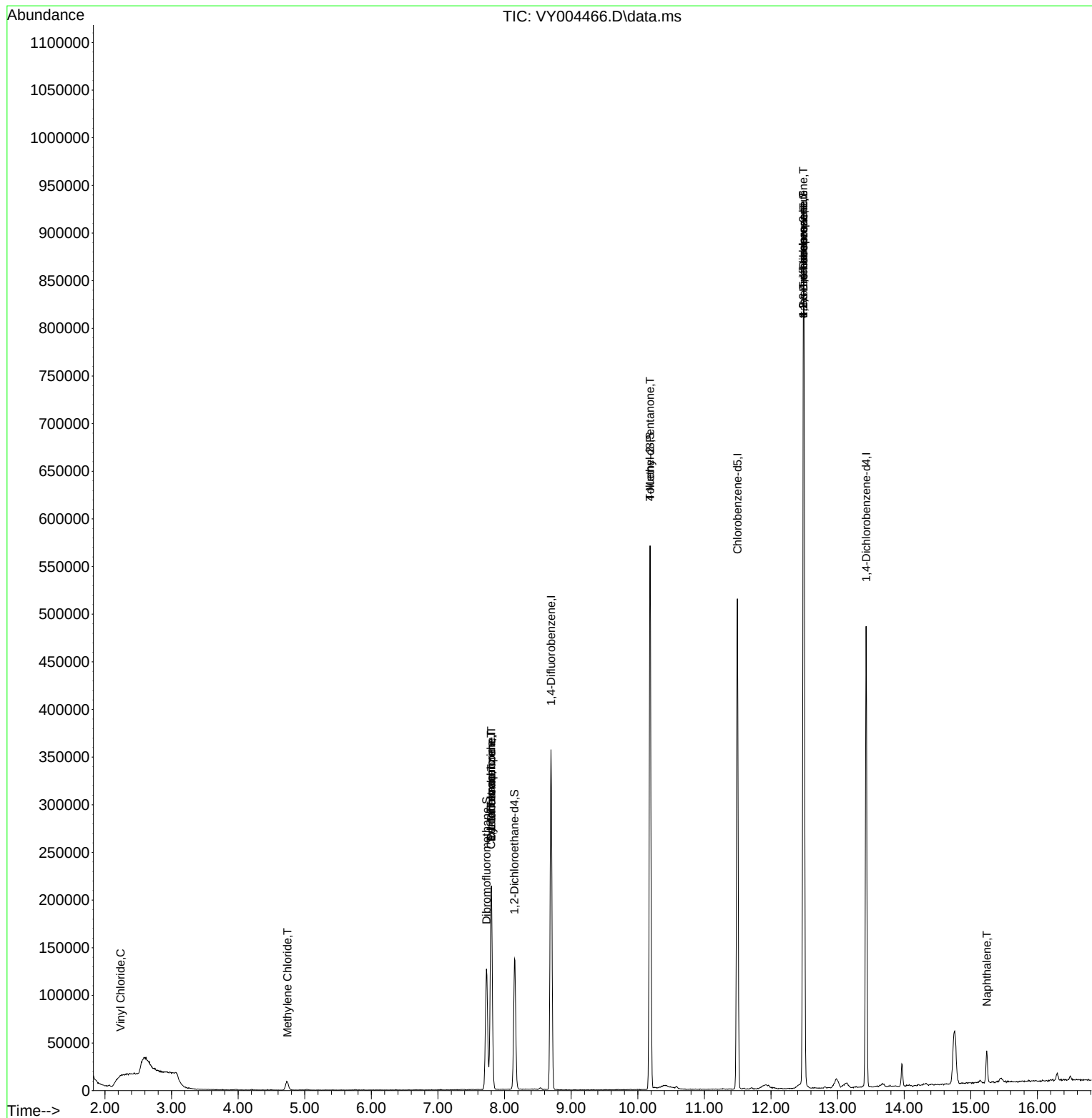
| Compound                      | R.T.           | QIon | Response           | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|--------------------|-----------|--------|----------|
| -----                         |                |      |                    |           |        |          |
| Internal Standards            |                |      |                    |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 163932             | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 287213             | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 265603             | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 112992             | 50.00     | ug/l   | 0.00     |
|                               |                |      |                    |           |        |          |
| System Monitoring Compounds   |                |      |                    |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 104751             | 57.51     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 115.02% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 87684              | 55.01     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 110.02% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 350373             | 51.68     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 103.36% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 119338             | 51.87     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 103.74% |           |        |          |
|                               |                |      |                    |           |        |          |
| Target Compounds              |                |      |                    |           |        | Qvalue   |
| 4) Vinyl Chloride             | 2.235          | 62   | 2904               | 1.25      | ug/l # | 43       |
| 16) Acetone                   | 3.973          | 43   | 1204               | Below Cal |        | 92       |
| 20) Methylene Chloride        | 4.741          | 84   | 6306               | 3.58      | ug/l # | 86       |
| 31) Cyclohexane               | 7.801          | 56   | 3733               | 1.12      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 12976              | 4.55      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 16461              | 6.67      | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.185         | 43   | 1864               | 1.04      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 71408              | 58.88     | ug/l # | 100      |
| 77) Bromobenzene              | 12.489         | 156  | 4706               | 2.40      | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 71408              | 105.34    | ug/l # | 13       |
| 95) Naphthalene               | 15.239         | 128  | 25881              | 5.55      | ug/l   | 98       |
| -----                         |                |      |                    |           |        |          |

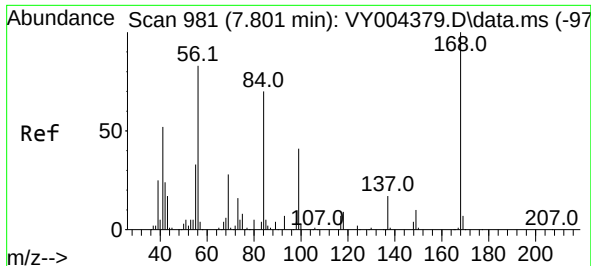
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041621\  
Data File : VY004466.D  
Acq On : 16 Apr 2021 13:49  
Operator : SY/MD  
Sample : M2052-01  
Misc : 7.29G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-041521

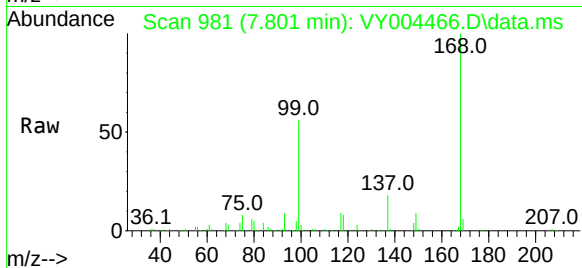
Quant Time: Apr 17 00:53:58 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 13 03:38:02 2021  
Response via : Initial Calibration



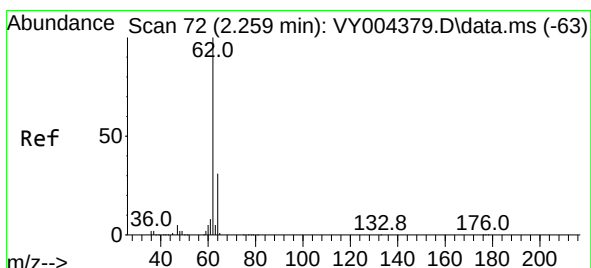
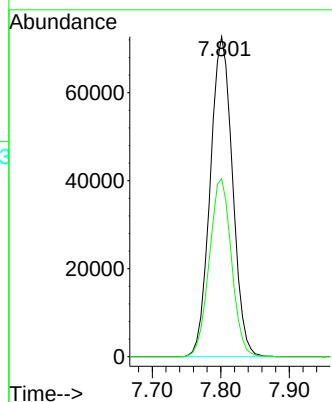
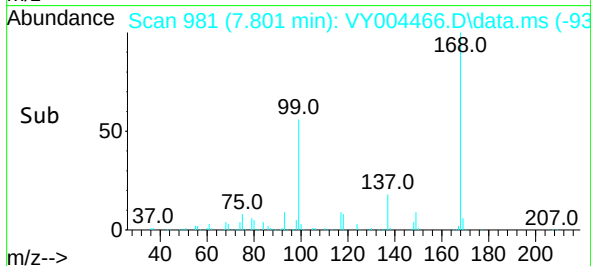


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

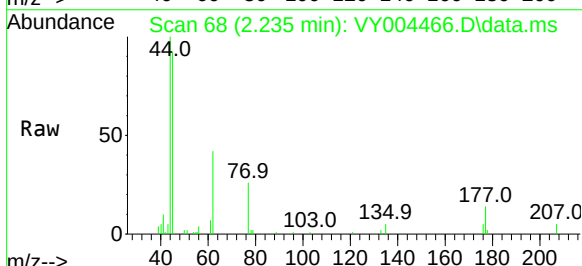
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-041521



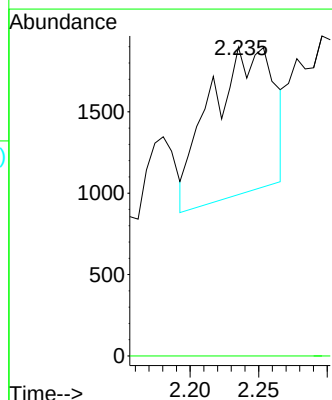
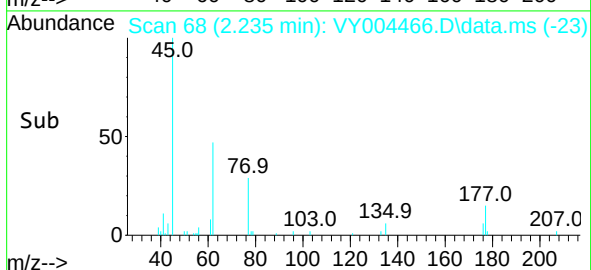
Tgt Ion:168 Resp: 163932  
Ion Ratio Lower Upper  
168 100  
99 55.6 45.5 68.3

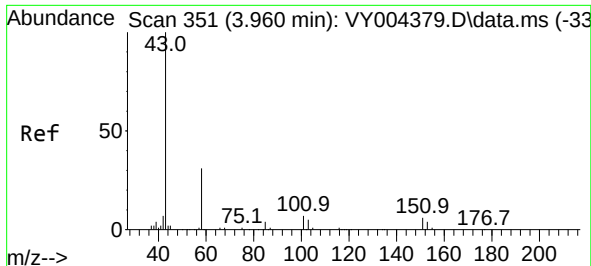


#4  
Vinyl Chloride  
Concen: 1.25 ug/l  
RT: 2.235 min Scan# 68  
Delta R.T. -0.024 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49



Tgt Ion: 62 Resp: 2904  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.1 37.7#

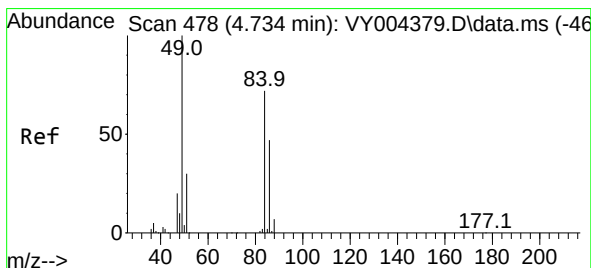
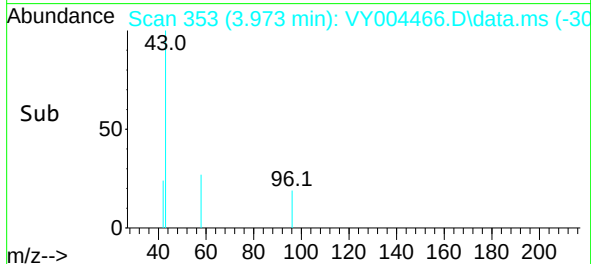
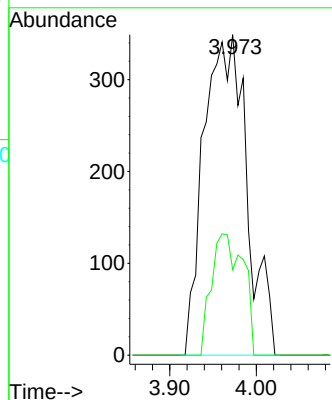
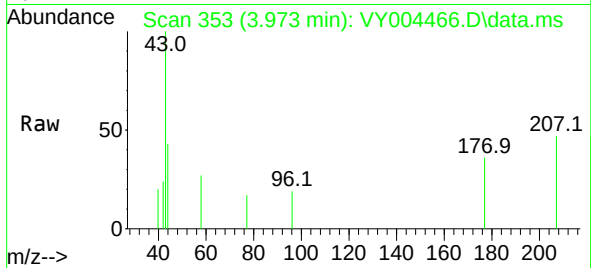




#16  
Acetone  
Concen: Below Cal  
RT: 3.973 min Scan# 353  
Delta R.T. 0.013 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

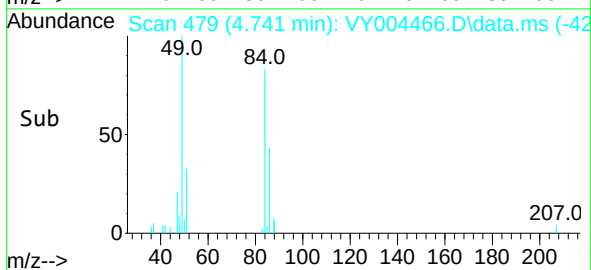
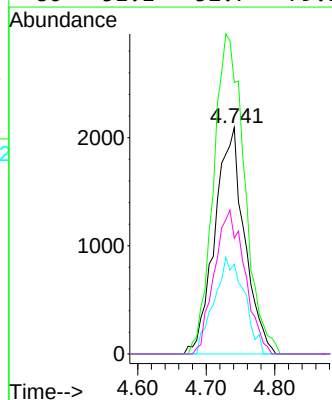
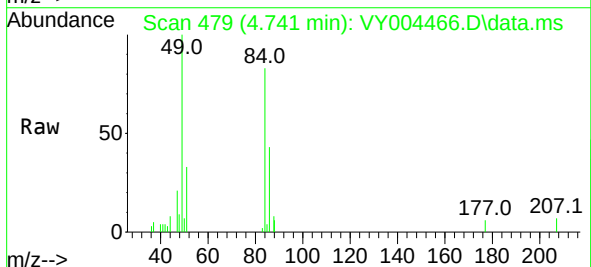
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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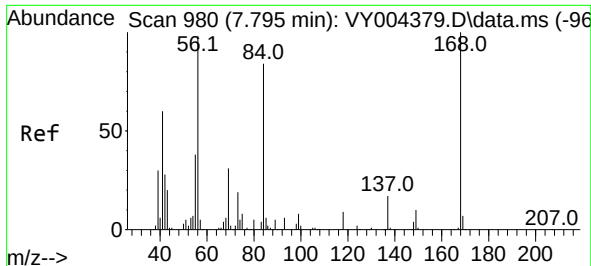
Tgt Ion: 43 Resp: 1204  
Ion Ratio Lower Upper  
43 100  
58 26.6 24.6 37.0



#20  
Methylene Chloride  
Concen: 3.58 ug/l  
RT: 4.741 min Scan# 479  
Delta R.T. 0.006 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

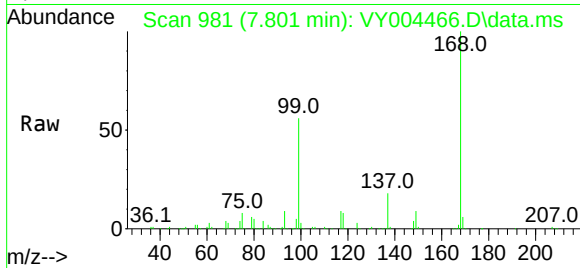
Tgt Ion: 84 Resp: 6306  
Ion Ratio Lower Upper  
84 100  
49 119.9 111.2 166.8  
51 39.7 33.4 50.2  
86 51.1 52.7 79.1#



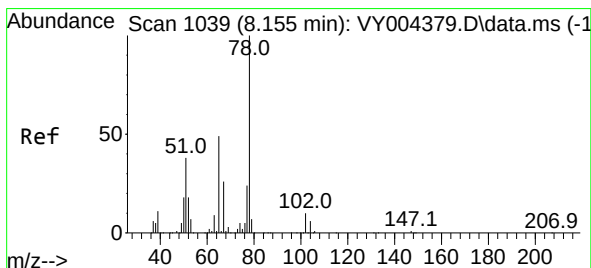
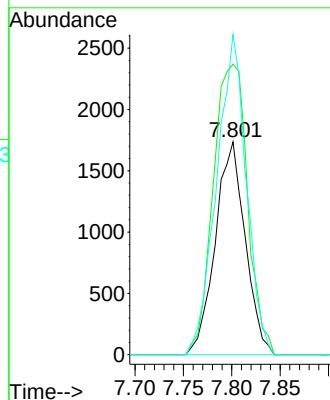
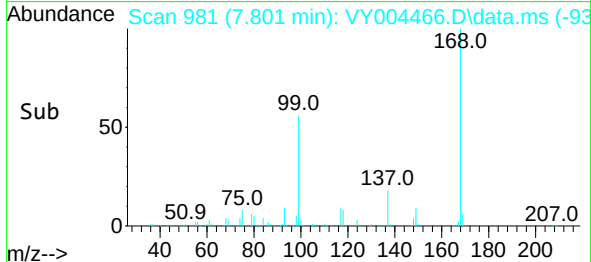


#31  
Cyclohexane  
Concen: 1.12 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

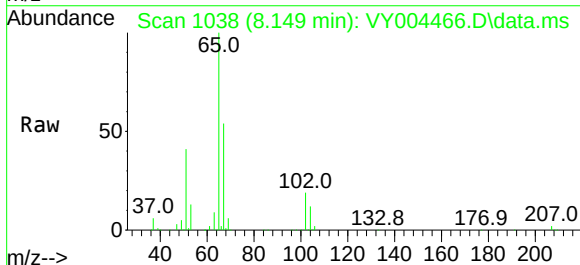
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-041521



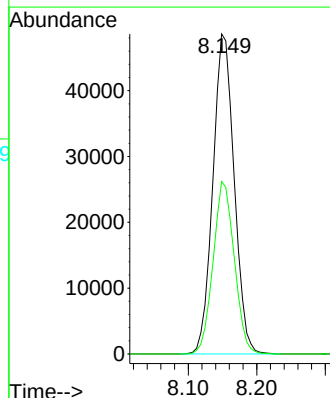
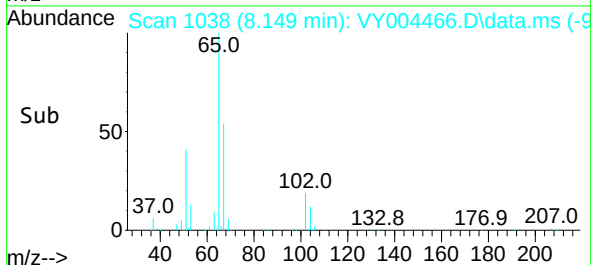
Tgt Ion: 56 Resp: 3733  
Ion Ratio Lower Upper  
56 100  
69 136.5 25.8 38.6#  
84 150.3 68.2 102.4#

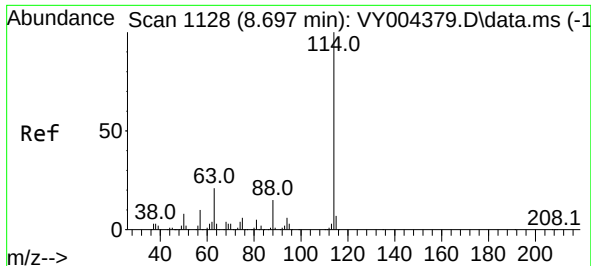


#33  
1,2-Dichloroethane-d4  
Concen: 57.51 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49



Tgt Ion: 65 Resp: 104751  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 106.4

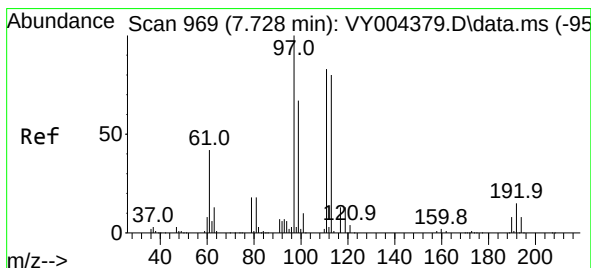
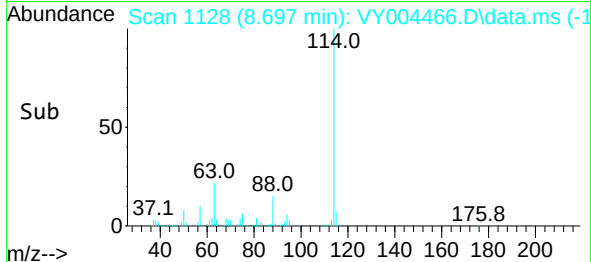
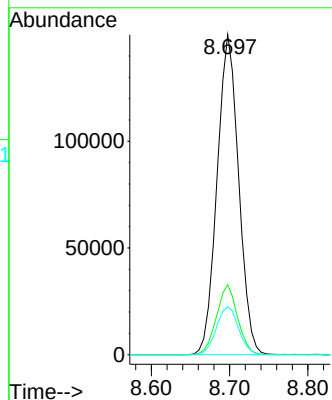
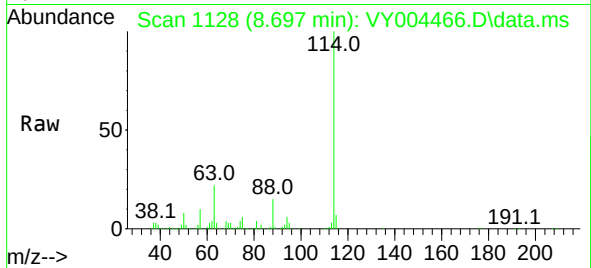




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

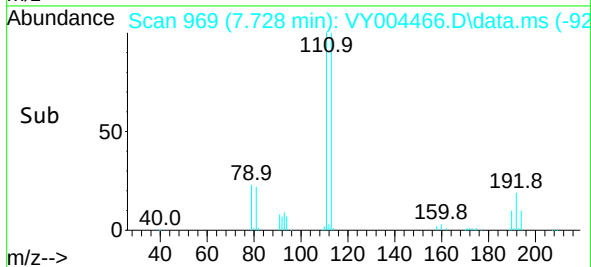
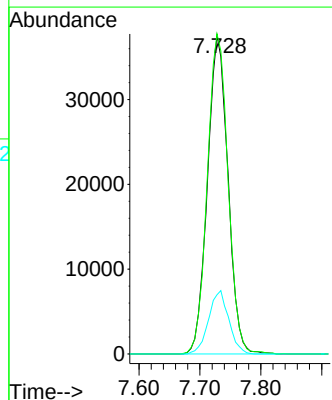
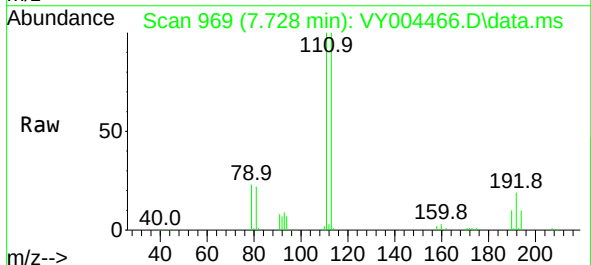
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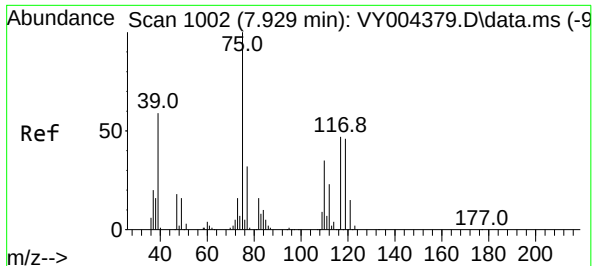
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 287213 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 21.8  | 0.0   | 42.4   |
| 88        | 15.0  | 0.0   | 30.8   |



#35  
Dibromofluoromethane  
Concen: 55.01 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 87684 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 101.8 | 82.6  | 123.8 |
| 192       | 19.6  | 16.1  | 24.1  |

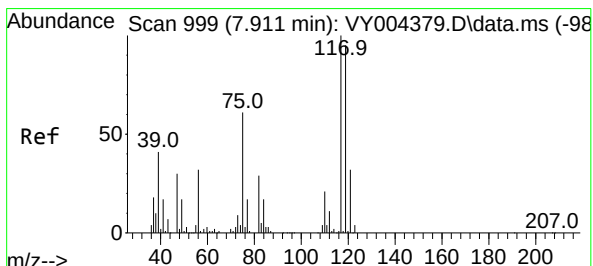
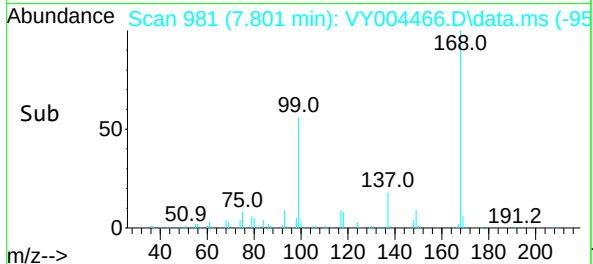
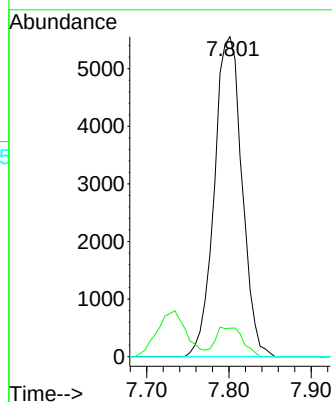
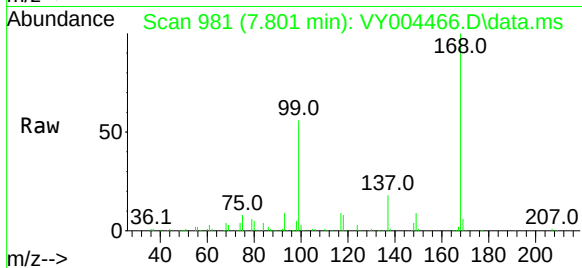




#36  
 1,1-Dichloropropene  
 Concen: 4.55 ug/l  
 RT: 7.801 min Scan# 981  
 Delta R.T. -0.128 min  
 Lab File: VY004466.D  
 Acq: 16 Apr 2021 13:49

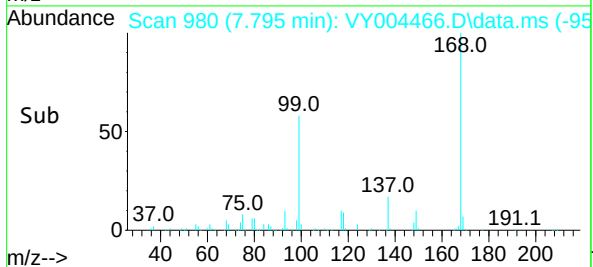
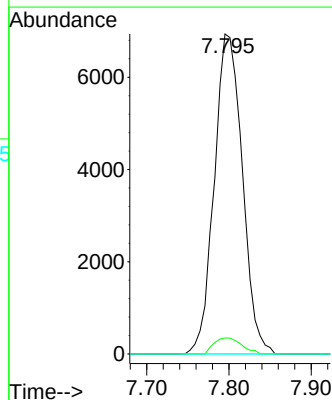
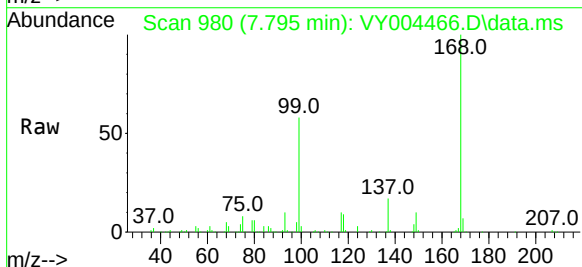
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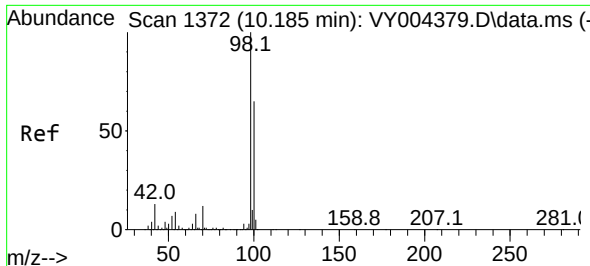
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|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 12976 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.1   | 17.3  | 51.7# |
| 77       | 0.0   | 24.3  | 36.5# |



#38  
 Carbon Tetrachloride  
 Concen: 6.67 ug/l  
 RT: 7.795 min Scan# 980  
 Delta R.T. -0.115 min  
 Lab File: VY004466.D  
 Acq: 16 Apr 2021 13:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 16461  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.0   | 75.8  | 113.8# |
| 121      | 0.0   | 25.3  | 37.9#  |

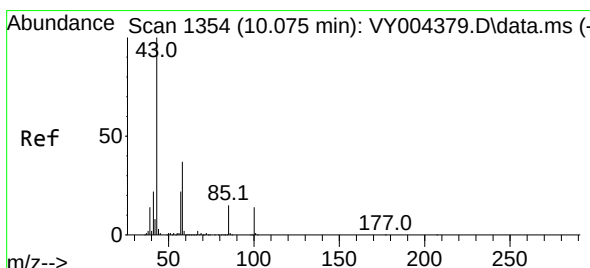
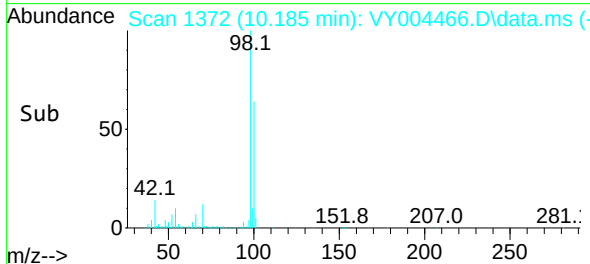
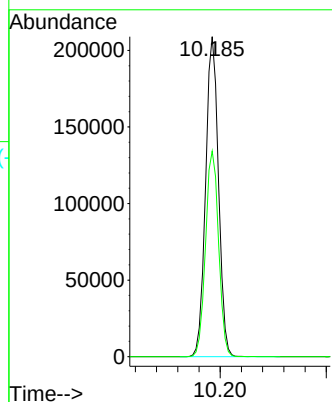
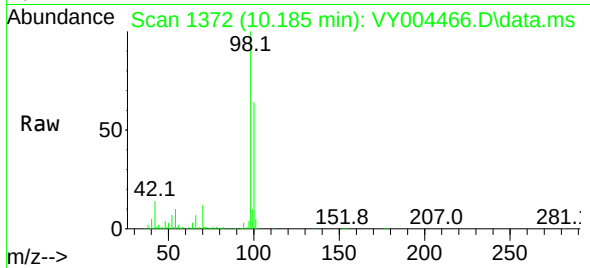




#50  
Toluene-d8  
Concen: 51.68 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

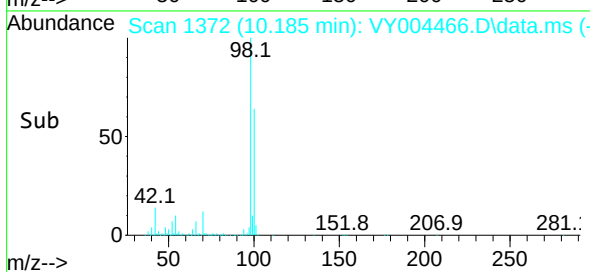
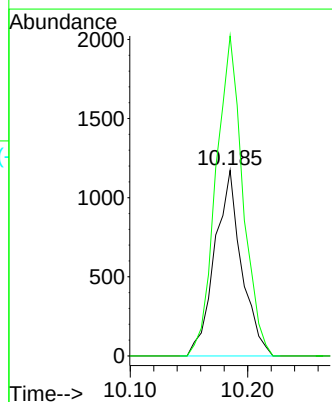
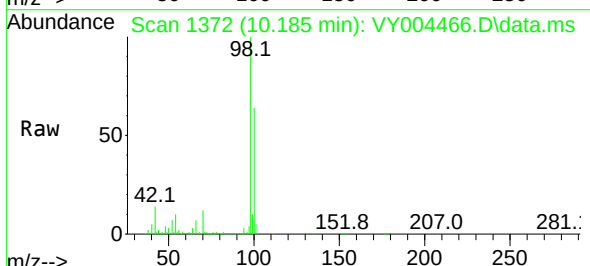
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-041521

Tgt Ion: 98 Resp: 350373  
Ion Ratio Lower Upper  
98 100  
100 65.2 51.8 77.6

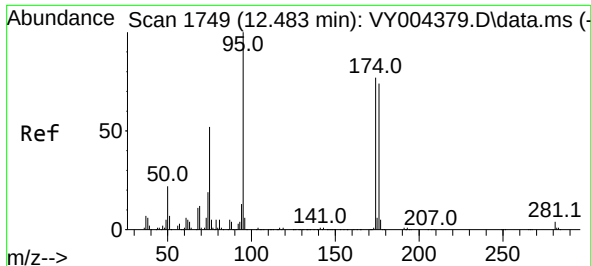


#51  
4-Methyl-2-Pentanone  
Concen: 1.04 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.110 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

Tgt Ion: 43 Resp: 1864  
Ion Ratio Lower Upper  
43 100  
58 172.7 29.2 43.8#



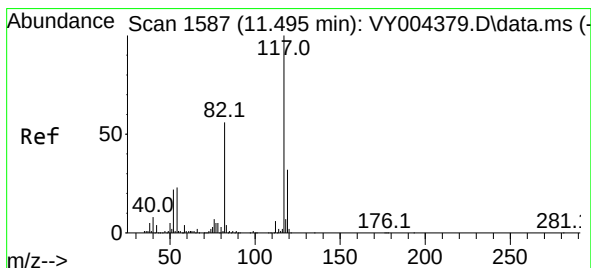
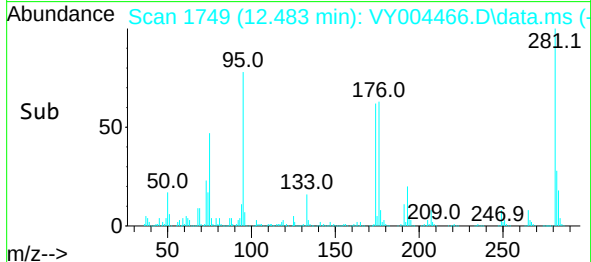
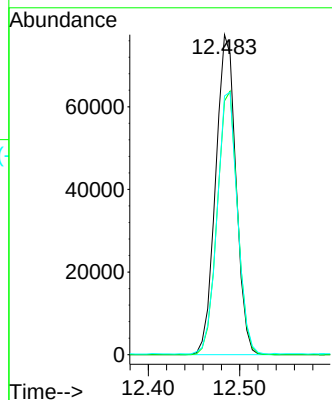
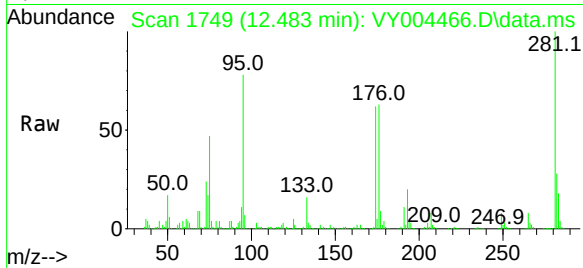




#62  
4-Bromofluorobenzene  
Concen: 51.87 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

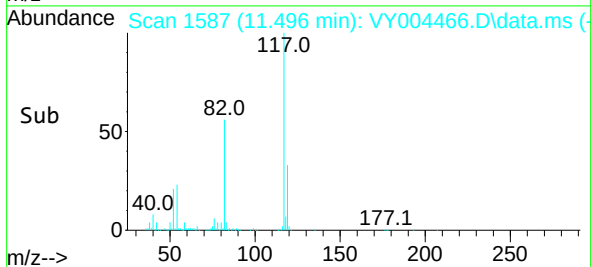
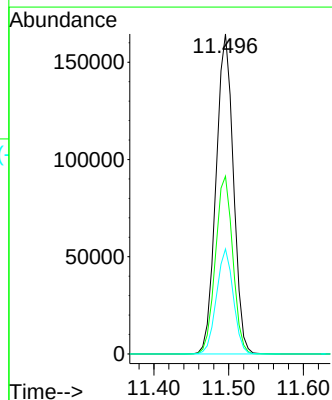
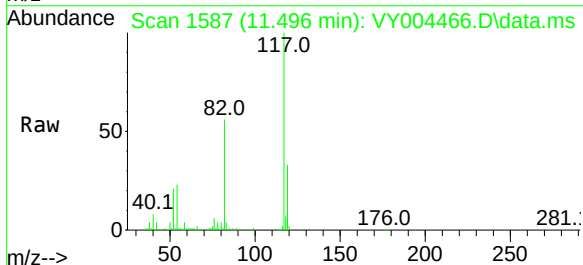
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-041521

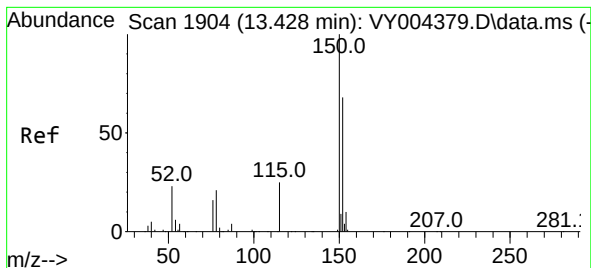
Tgt Ion: 95 Resp: 119338  
Ion Ratio Lower Upper  
95 100  
174 82.1 0.0 162.4  
176 82.1 0.0 156.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

Tgt Ion: 117 Resp: 265603  
Ion Ratio Lower Upper  
117 100  
82 55.6 44.9 67.3  
119 32.8 25.4 38.0

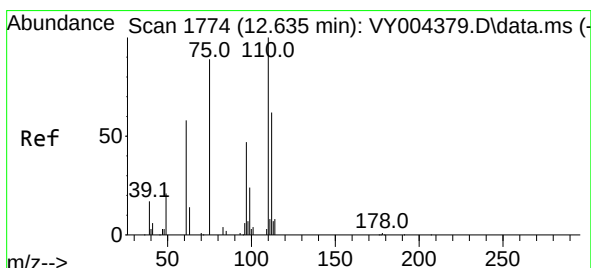
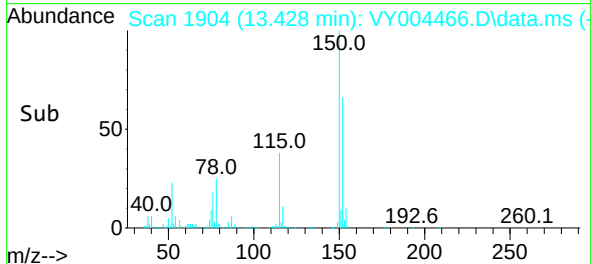
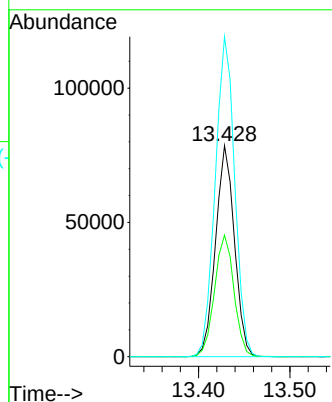
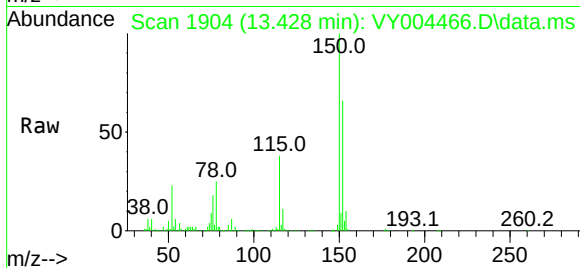




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

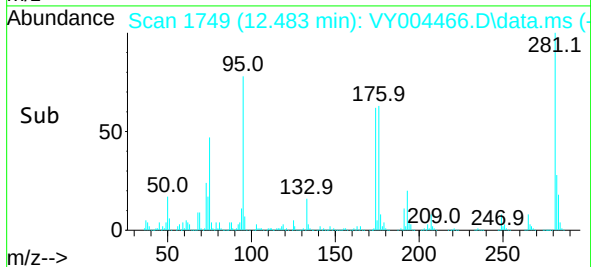
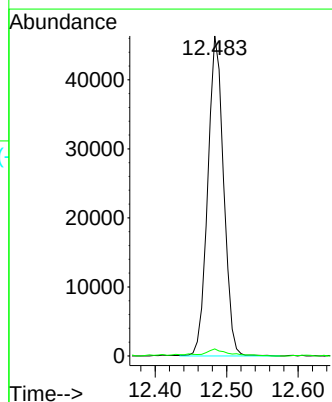
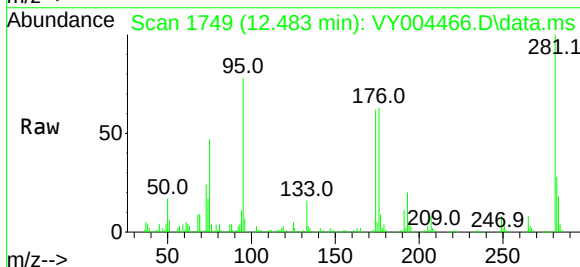
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-041521

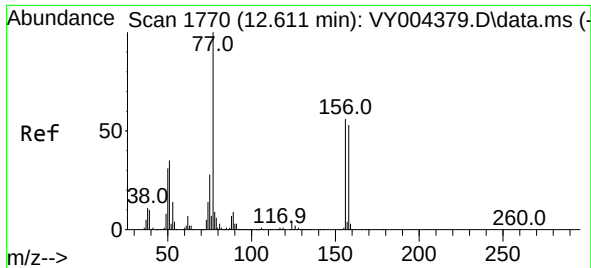
Tgt Ion:152 Resp: 112992  
Ion Ratio Lower Upper  
152 100  
115 59.2 29.6 88.8  
150 156.4 0.0 348.4



#76  
1,2,3-Trichloropropane  
Concen: 58.88 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

Tgt Ion: 75 Resp: 71408  
Ion Ratio Lower Upper  
75 100  
77 2.9 0.0 0.0#

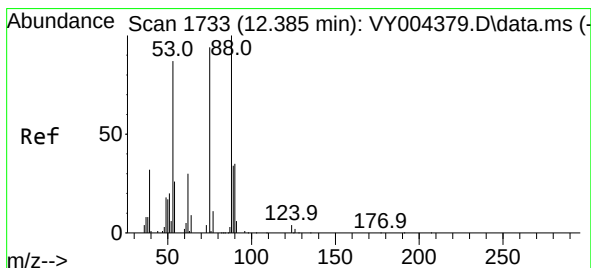
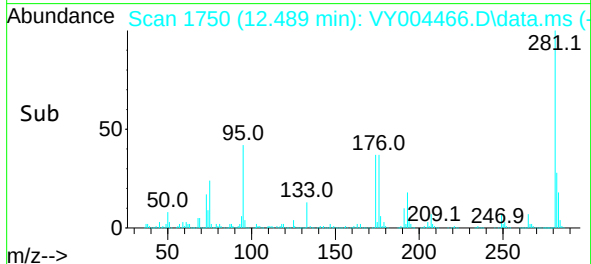
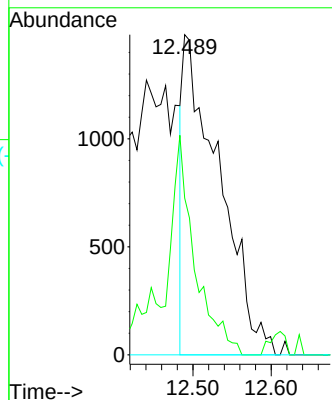
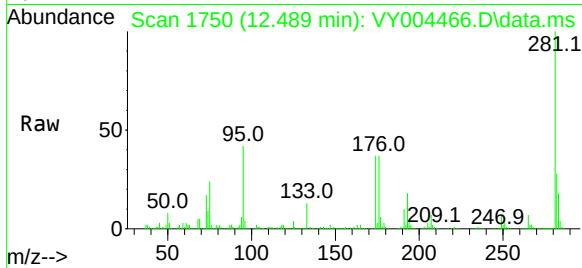




#77  
Bromobenzene  
Concen: 2.40 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.122 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

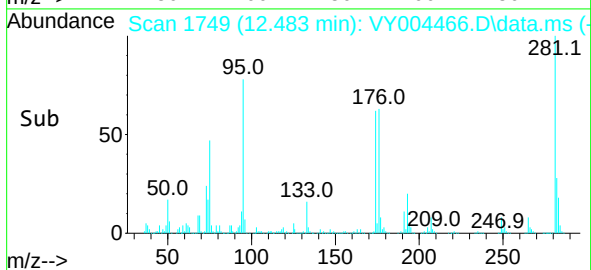
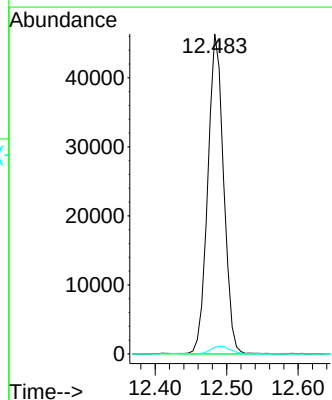
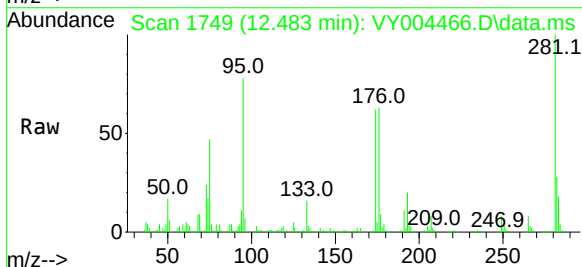
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-041521

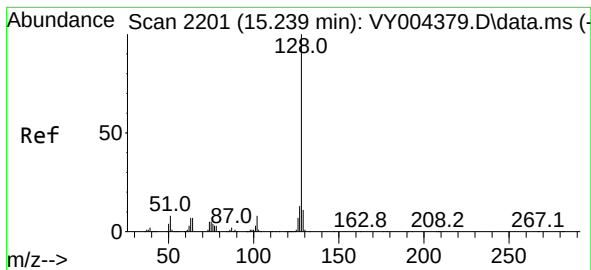
Tgt Ion:156 Resp: 4706  
Ion Ratio Lower Upper  
156 100  
77 44.2 98.6 295.7#  
158 0.0 48.4 145.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 105.34 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.098 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

Tgt Ion: 75 Resp: 71408  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.0 112.6#  
89 3.0 36.1 54.1#





#95  
Naphthalene  
Concen: 5.55 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.000 min  
Lab File: VY004466.D  
Acq: 16 Apr 2021 13:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OK-02-041521

Tgt Ion:128 Resp: 25881  
Ion Ratio Lower Upper  
128 100  
127 12.1 10.2 15.2  
129 11.6 8.8 13.2

