

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101021\  
 Data File : VY006360.D  
 Acq On : 08 Oct 2021 17:22  
 Operator : SY/MD  
 Sample : M3990-09  
 Misc : 7.5G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-845-R-SO-4-4.5-092921

Quant Time: Oct 11 03:19:39 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 17:44:36 2021  
 Response via : Initial Calibration

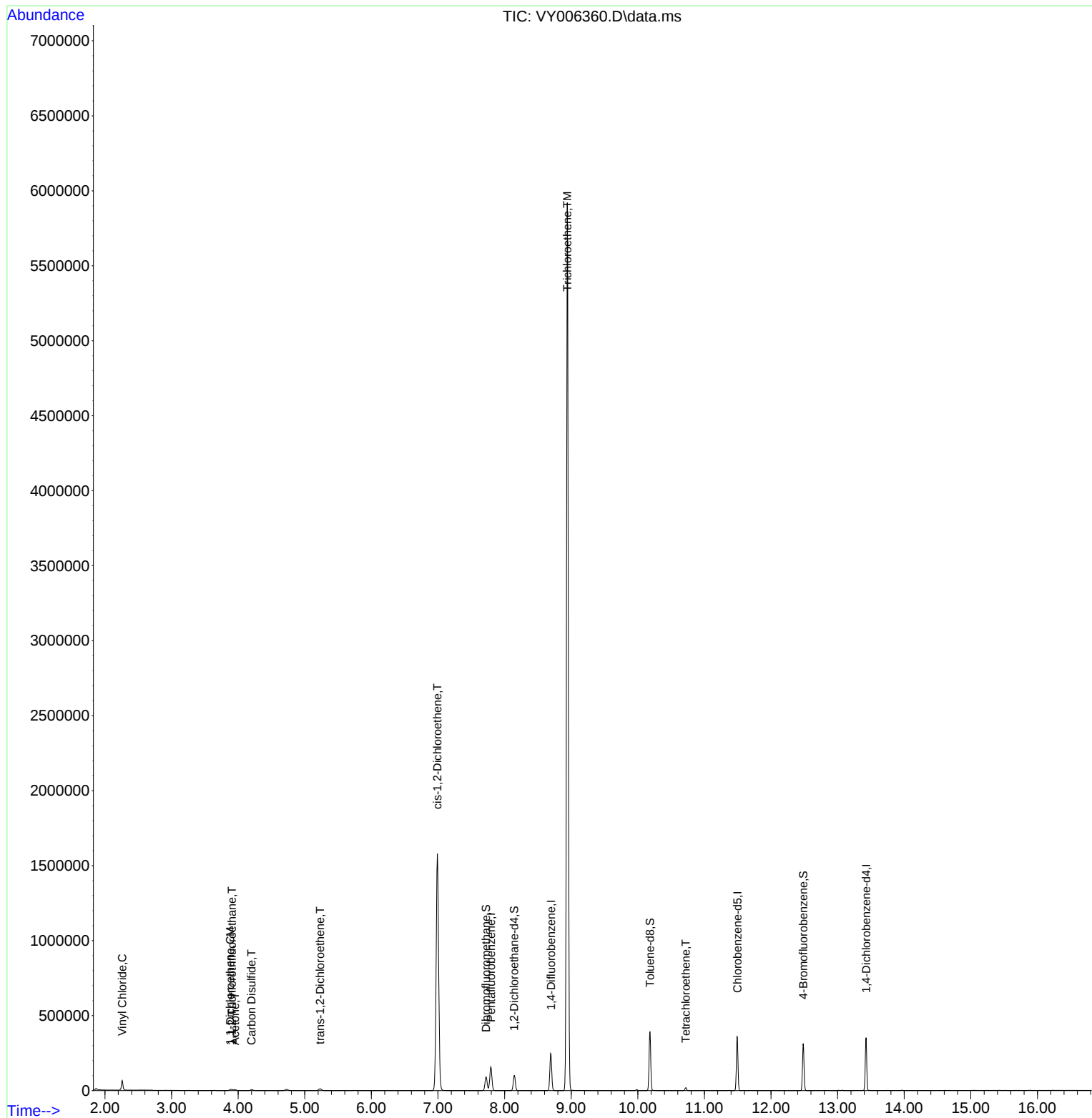
| Compound                     | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                        |           |       |          |          |            |          |
| Internal Standards           |           |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.795     | 168   | 123063   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.697     | 114   | 201961   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.496    | 117   | 187234   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428    | 152   | 86351    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.143     | 65    | 85741    | 65.097   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 50 - 163 | Recovery | = 130.200% |          |
| 35) Dibromofluoromethane     | 7.722     | 113   | 60030    | 55.635   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 54 - 147 | Recovery | = 111.280% |          |
| 50) Toluene-d8               | 10.185    | 98    | 254699   | 56.402   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 49 - 140 | Recovery | = 112.800% |          |
| 62) 4-Bromofluorobenzene     | 12.483    | 95    | 79782    | 52.006   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 25 - 144 | Recovery | = 104.020% |          |
| Target Compounds             |           |       |          |          |            |          |
|                              |           |       |          |          | Qvalue     |          |
| 4) Vinyl Chloride            | 2.260     | 62    | 60416    | 37.494   | ug/l       | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.906     | 101   | 3629     | 3.203    | ug/l       | 97       |
| 12) 1,1-Dichloroethene       | 3.881     | 96    | 2933     | 2.545    | ug/l #     | 75       |
| 16) Acetone                  | 3.954     | 43    | 10730    | 29.167   | ug/l       | 98       |
| 17) Carbon Disulfide         | 4.198     | 76    | 13895    | 3.605    | ug/l       | 98       |
| 21) trans-1,2-Dichloroethene | 5.229     | 96    | 7926     | 6.203    | ug/l #     | 83       |
| 27) cis-1,2-Dichloroethene   | 6.990     | 96    | 905766   | 632.899  | ug/l       | 86       |
| 44) Trichloroethene          | 8.941     | 130   | 1860589  | 1263.670 | ug/l       | 92       |
| 64) Tetrachloroethene        | 10.721    | 164   | 4341     | 2.879    | ug/l       | 94       |
| -----                        |           |       |          |          |            |          |

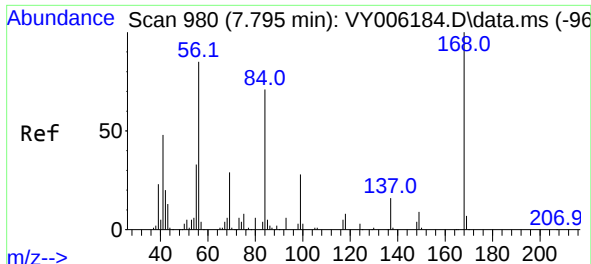
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101021\  
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MSVOA\_Y  
ClientSampleId :  
S-845-R-SO-4-4.5-092921

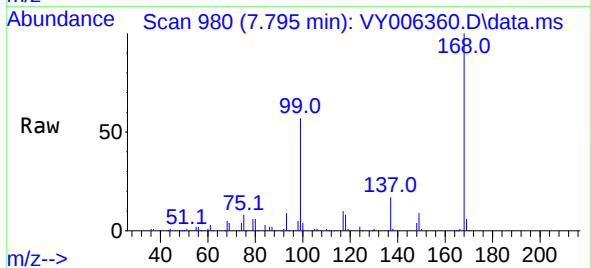
Quant Time: Oct 11 03:19:39 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 28 17:44:36 2021  
Response via : Initial Calibration



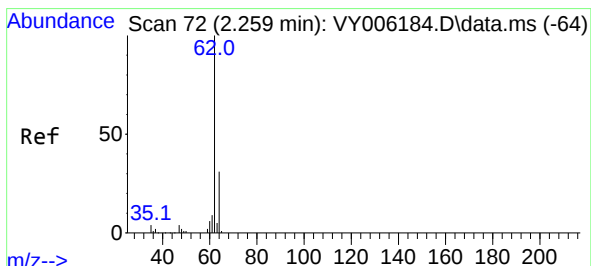
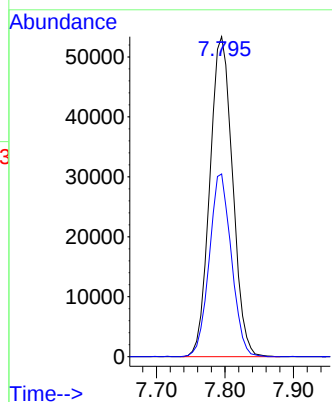
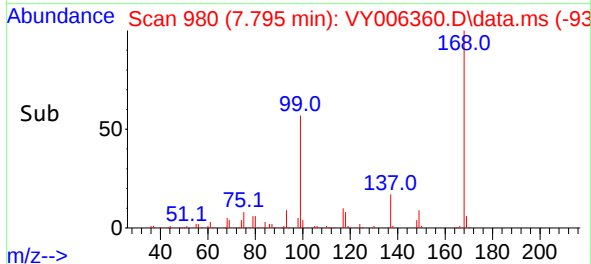


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

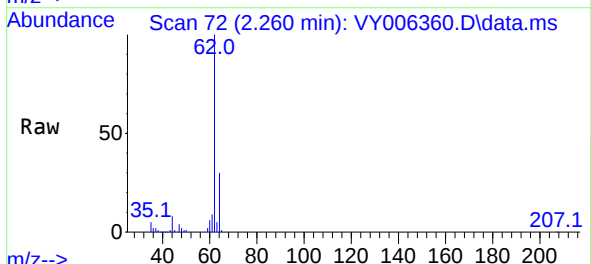
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-845-R-SO-4-4.5-092921



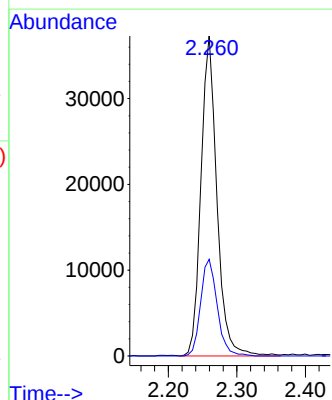
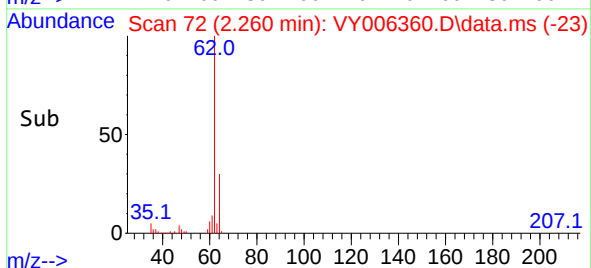
Tgt Ion:168 Resp: 123063  
Ion Ratio Lower Upper  
168 100  
99 57.1 46.9 70.3

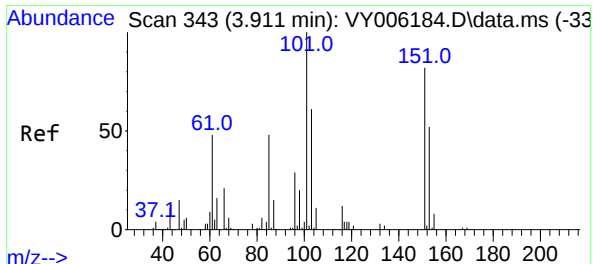


#4  
Vinyl Chloride  
Concen: 37.494 ug/l  
RT: 2.260 min Scan# 72  
Delta R.T. 0.001 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22



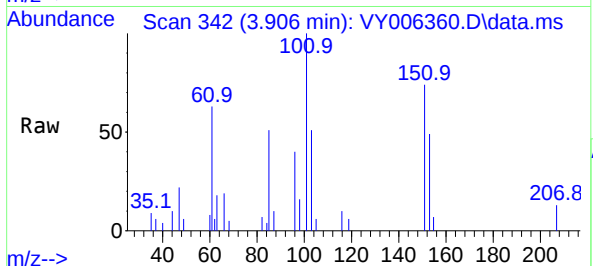
Tgt Ion: 62 Resp: 60416  
Ion Ratio Lower Upper  
62 100  
64 30.2 25.0 37.6



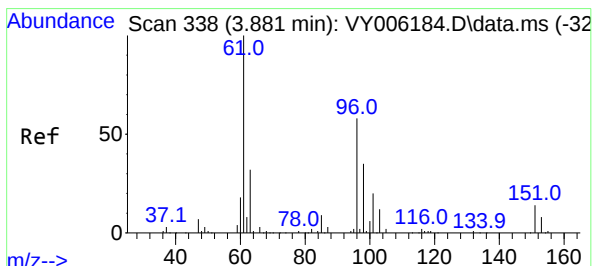
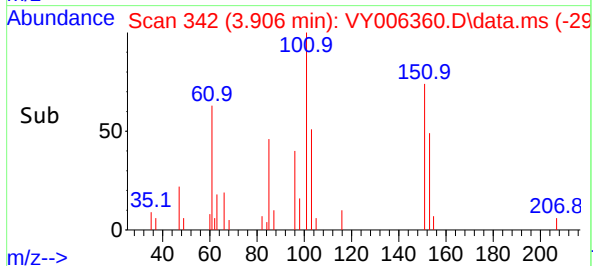
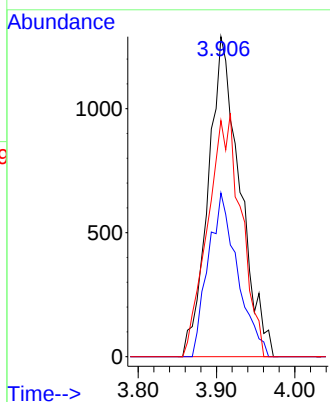


#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 3.203 ug/l  
RT: 3.906 min Scan# 342  
Delta R.T. -0.005 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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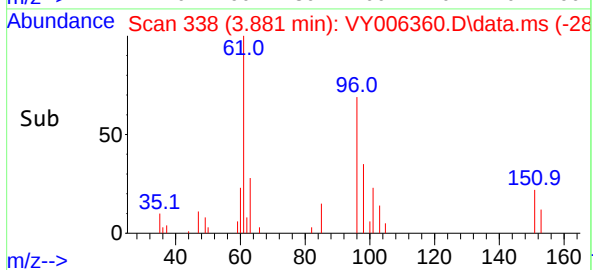
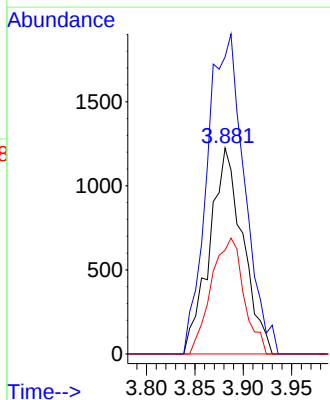
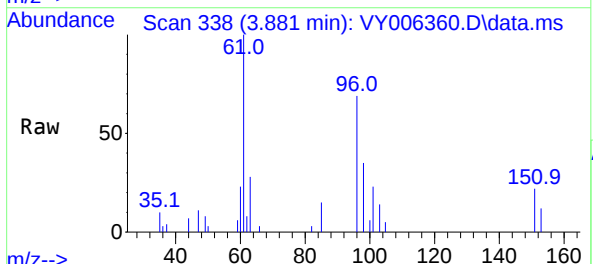


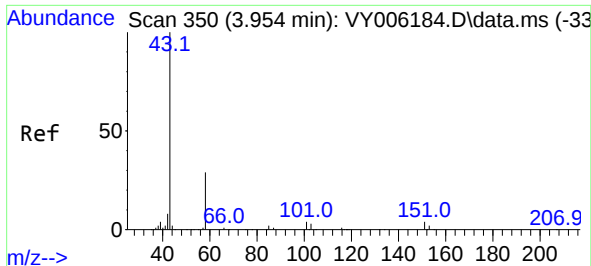
Tgt Ion:101 Resp: 3629  
Ion Ratio Lower Upper  
101 100  
85 47.3 40.6 60.8  
151 80.2 64.9 97.3



#12  
1,1-Dichloroethene  
Concen: 2.545 ug/l  
RT: 3.881 min Scan# 338  
Delta R.T. 0.000 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

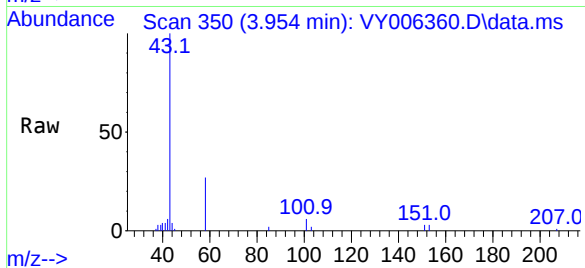
Tgt Ion: 96 Resp: 2933  
Ion Ratio Lower Upper  
96 100  
61 144.2 145.8 218.6#  
98 50.4 52.5 78.7#



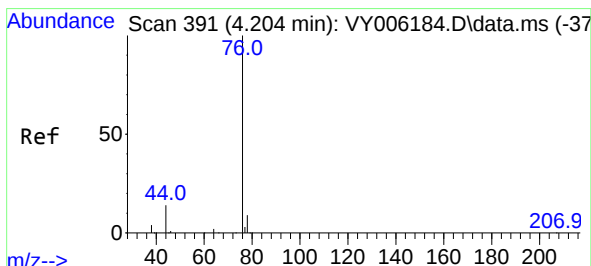
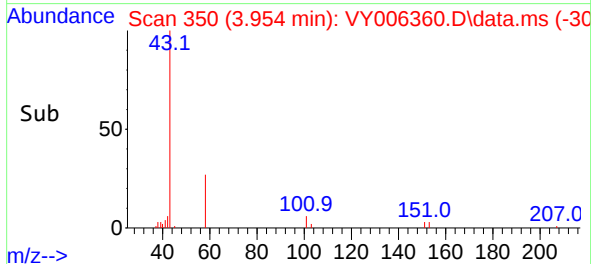
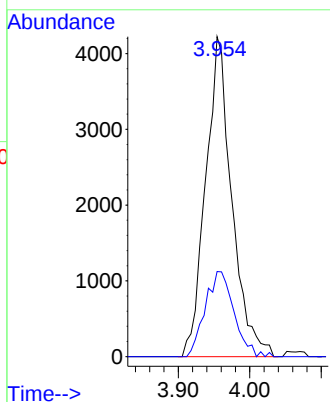


#16  
Acetone  
Concen: 29.167 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

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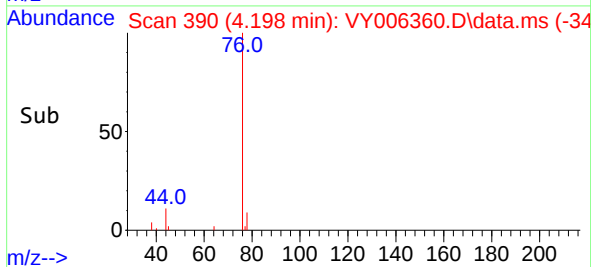
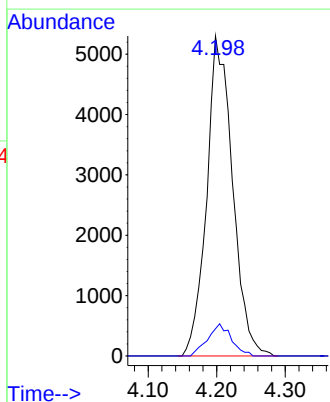
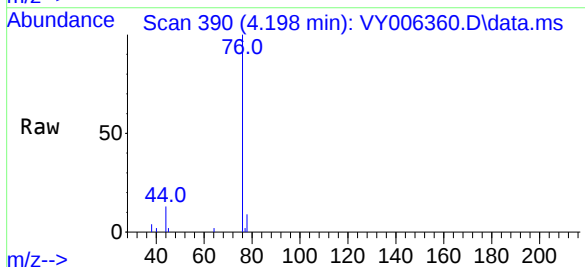


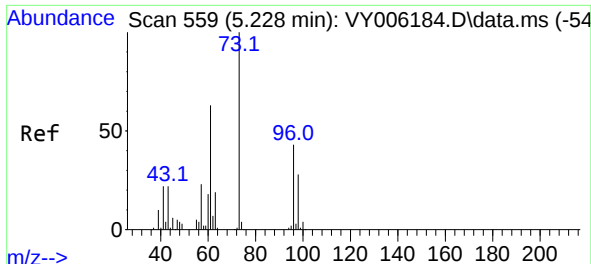
Tgt Ion: 43 Resp: 10730  
Ion Ratio Lower Upper  
43 100  
58 26.6 22.0 33.0



#17  
Carbon Disulfide  
Concen: 3.605 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. -0.006 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

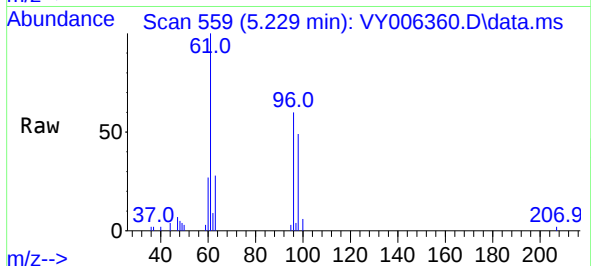
Tgt Ion: 76 Resp: 13895  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.4 11.0



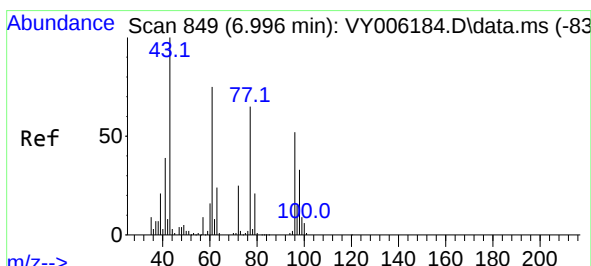
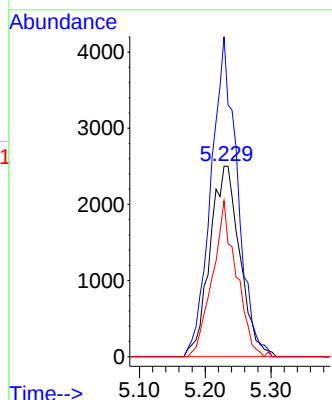
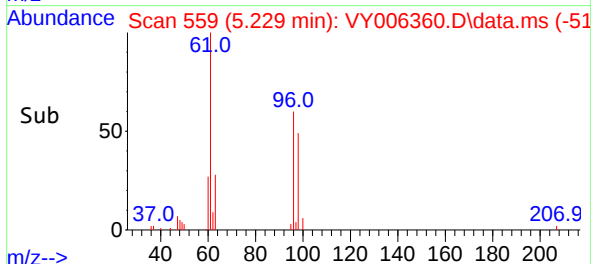


#21  
trans-1,2-Dichloroethene  
Concen: 6.203 ug/l  
RT: 5.229 min Scan# 559  
Delta R.T. 0.001 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

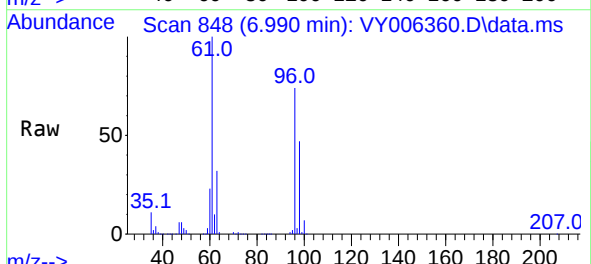
Instrument :  
MSVOA\_Y  
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S-845-R-SO-4-4.5-092921



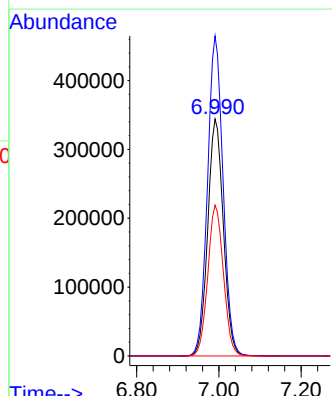
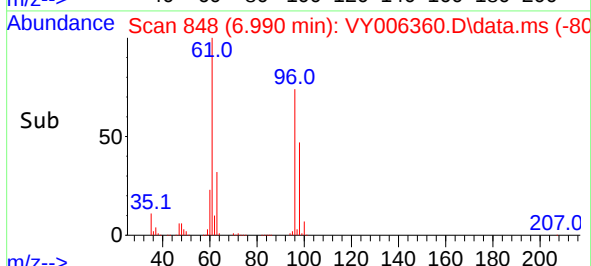
Tgt Ion: 96 Resp: 7926  
Ion Ratio Lower Upper  
96 100  
61 167.9 120.5 180.7  
98 81.7 49.8 74.8#

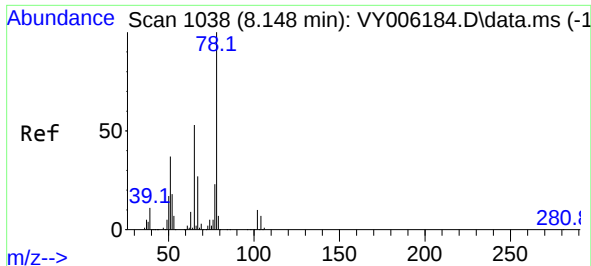


#27  
cis-1,2-Dichloroethene  
Concen: 632.899 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. -0.006 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22



Tgt Ion: 96 Resp: 905766  
Ion Ratio Lower Upper  
96 100  
61 134.5 0.0 319.8  
98 63.7 0.0 127.0

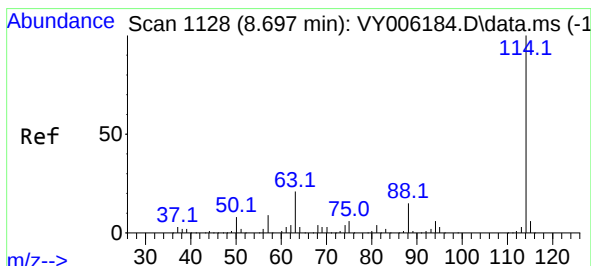
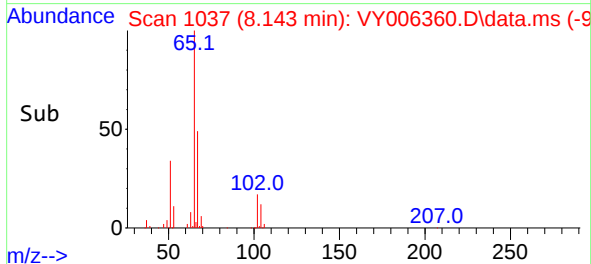
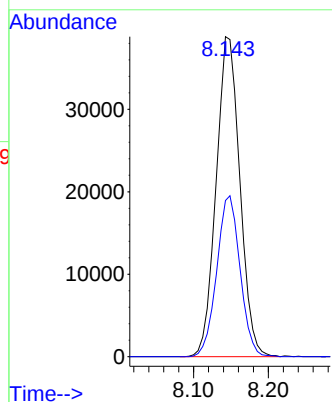
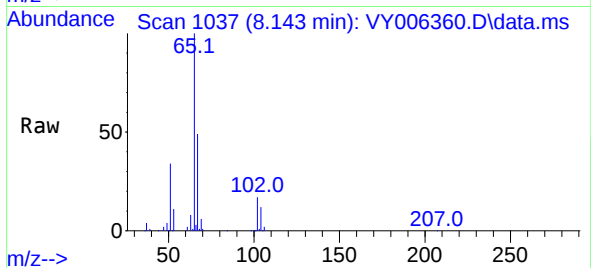




#33  
1,2-Dichloroethane-d4  
Concen: 65.097 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

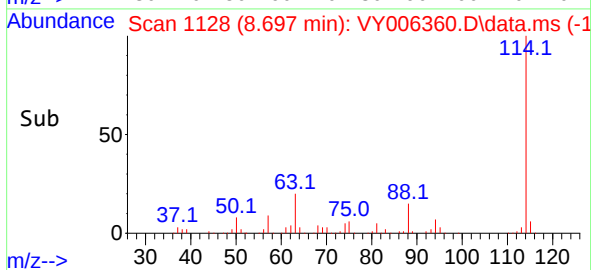
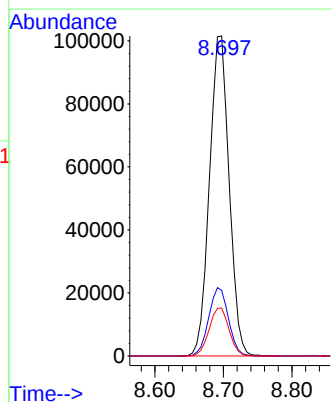
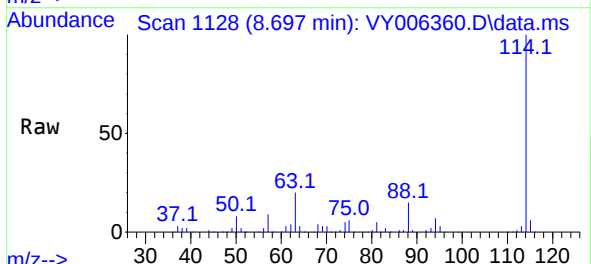
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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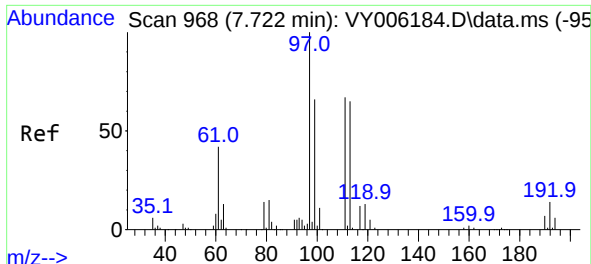
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Ion Ratio Lower Upper  
65 100  
67 49.4 0.0 99.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

Tgt Ion: 114 Resp: 201961  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 43.2  
88 15.0 0.0 31.8

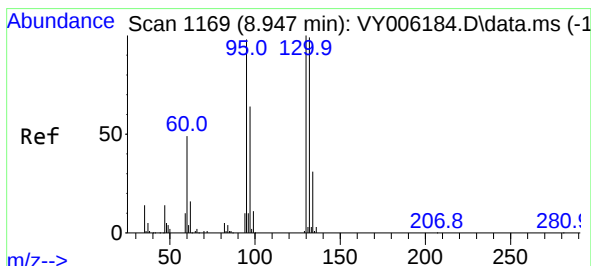
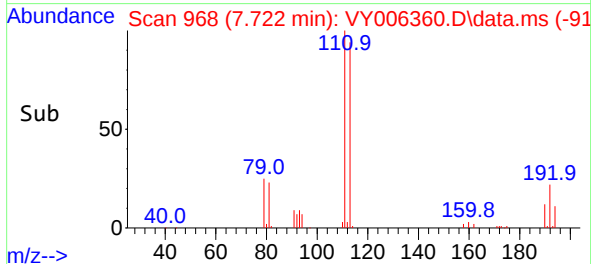
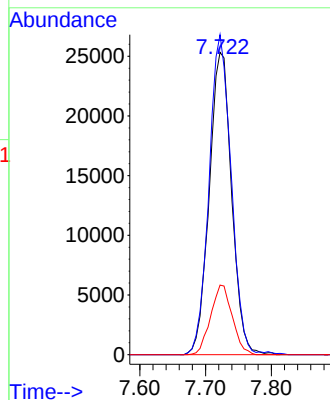
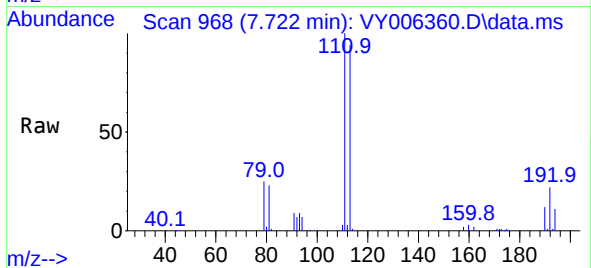




#35  
Dibromofluoromethane  
Concen: 55.635 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

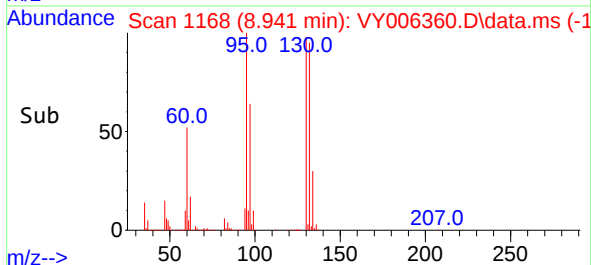
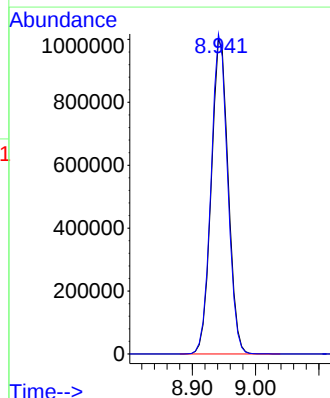
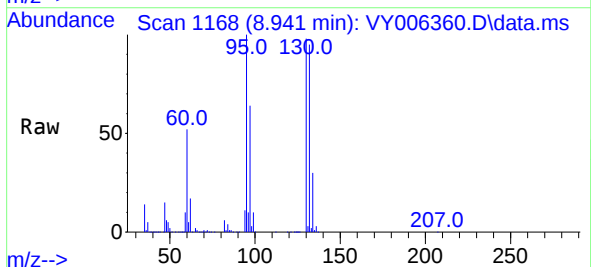
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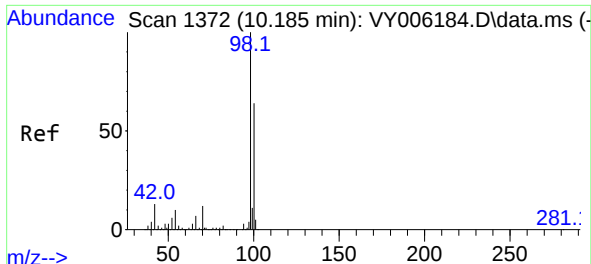
Tgt Ion:113 Resp: 60030  
Ion Ratio Lower Upper  
113 100  
111 104.8 82.6 124.0  
192 22.2 17.6 26.4



#44  
Trichloroethene  
Concen: 1263.670 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

Tgt Ion:130 Resp: 1860589  
Ion Ratio Lower Upper  
130 100  
95 101.6 0.0 188.2

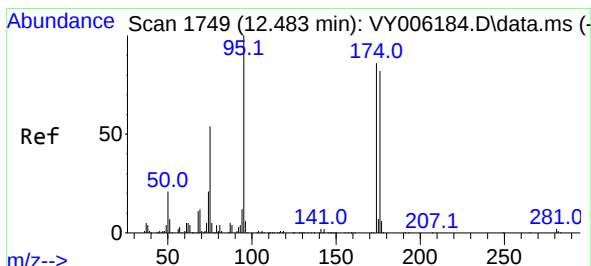
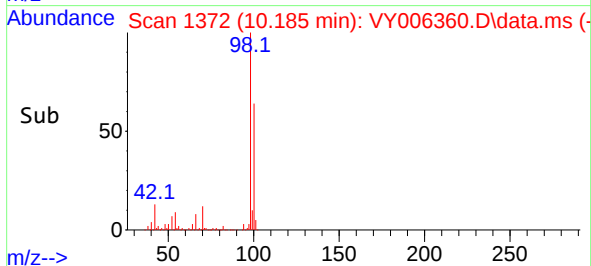
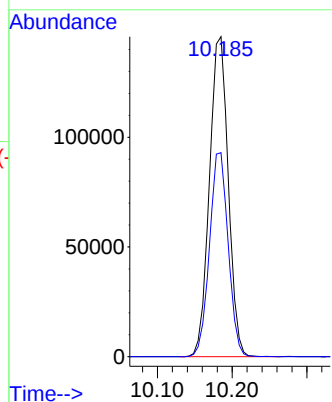
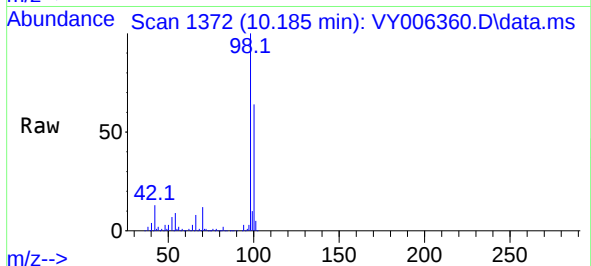




#50  
Toluene-d8  
Concen: 56.402 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

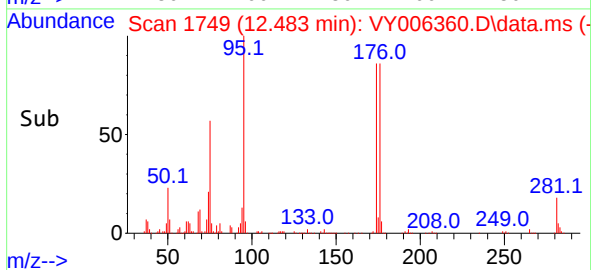
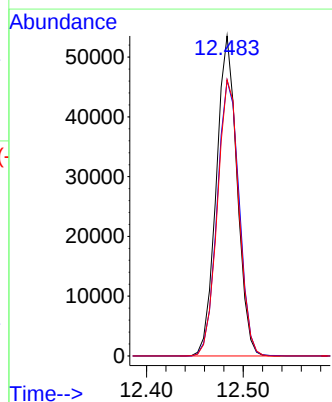
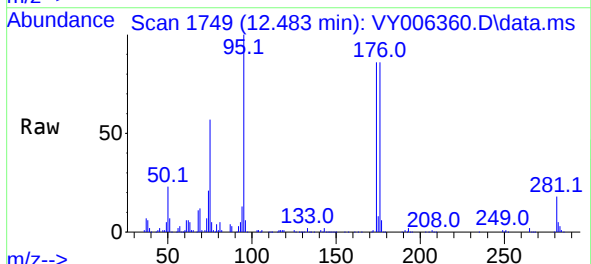
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-845-R-SO-4-4.5-092921

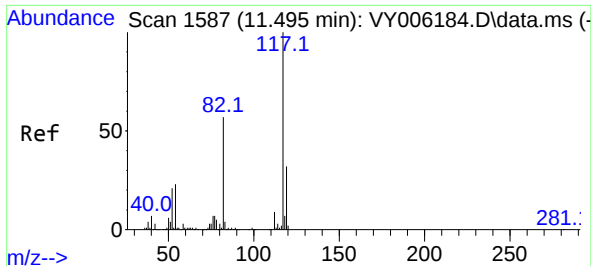
Tgt Ion: 98 Resp: 254699  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 52.006 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

Tgt Ion: 95 Resp: 79782  
Ion Ratio Lower Upper  
95 100  
174 90.8 0.0 177.0  
176 89.0 0.0 175.8

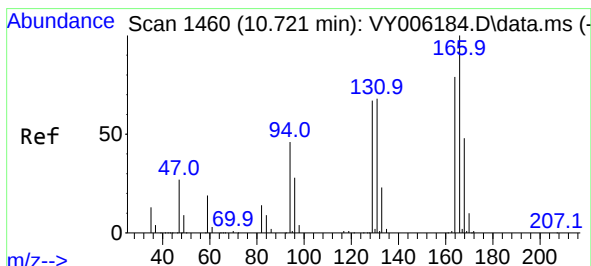
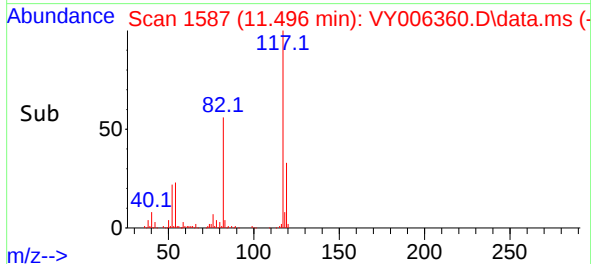
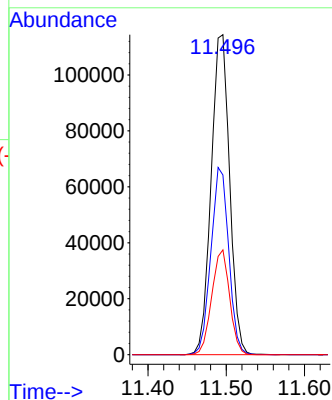
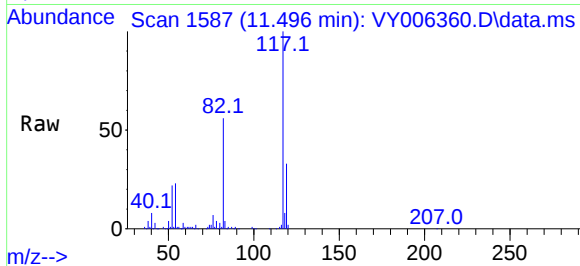




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

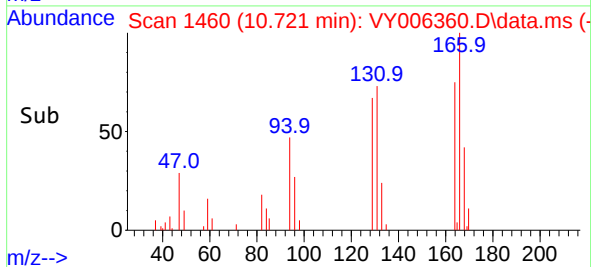
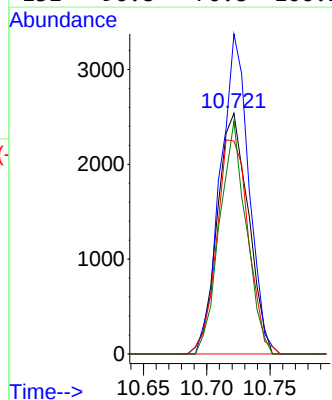
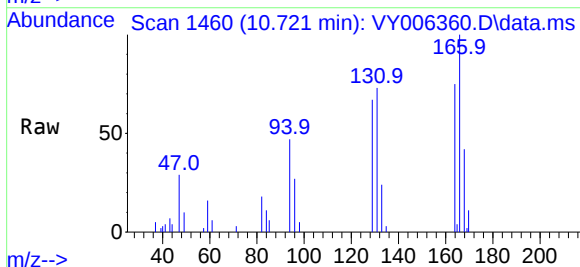
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-845-R-SO-4-4.5-092921

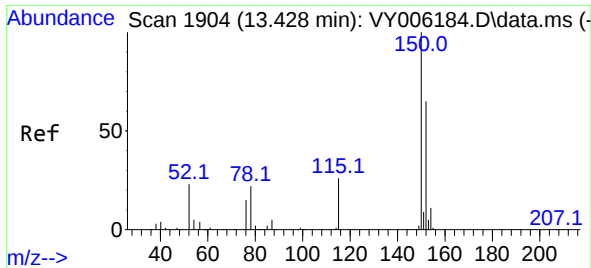
|             |              |
|-------------|--------------|
| Tgt Ion:117 | Resp: 187234 |
| Ion Ratio   | Lower Upper  |
| 117 100     |              |
| 82 56.2     | 43.0 64.4    |
| 119 32.7    | 25.4 38.0    |



#64  
Tetrachloroethene  
Concen: 2.879 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VY006360.D  
Acq: 08 Oct 2021 17:22

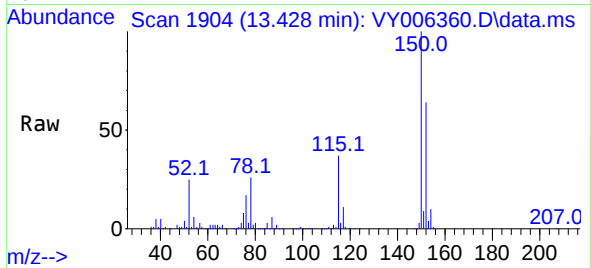
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 4341  |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 166 | 132.9   | 100.4 | 150.6 |
| 129 | 88.5    | 71.4  | 107.0 |
| 131 | 96.8    | 70.8  | 106.2 |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY006360.D  
 Acq: 08 Oct 2021 17:22

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-845-R-SO-4-4.5-092921



Tgt Ion:152 Resp: 86351  
 Ion Ratio Lower Upper  
 152 100  
 115 56.7 28.2 84.7  
 150 159.6 0.0 347.6

