

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051821\  
 Data File : VY004823.D  
 Acq On : 18 May 2021 13:31  
 Operator : SY/MD  
 Sample : M2392-22  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-08-3.5-4.0

Quant Time: May 19 01:03:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 11 04:13:44 2021  
 Response via : Initial Calibration

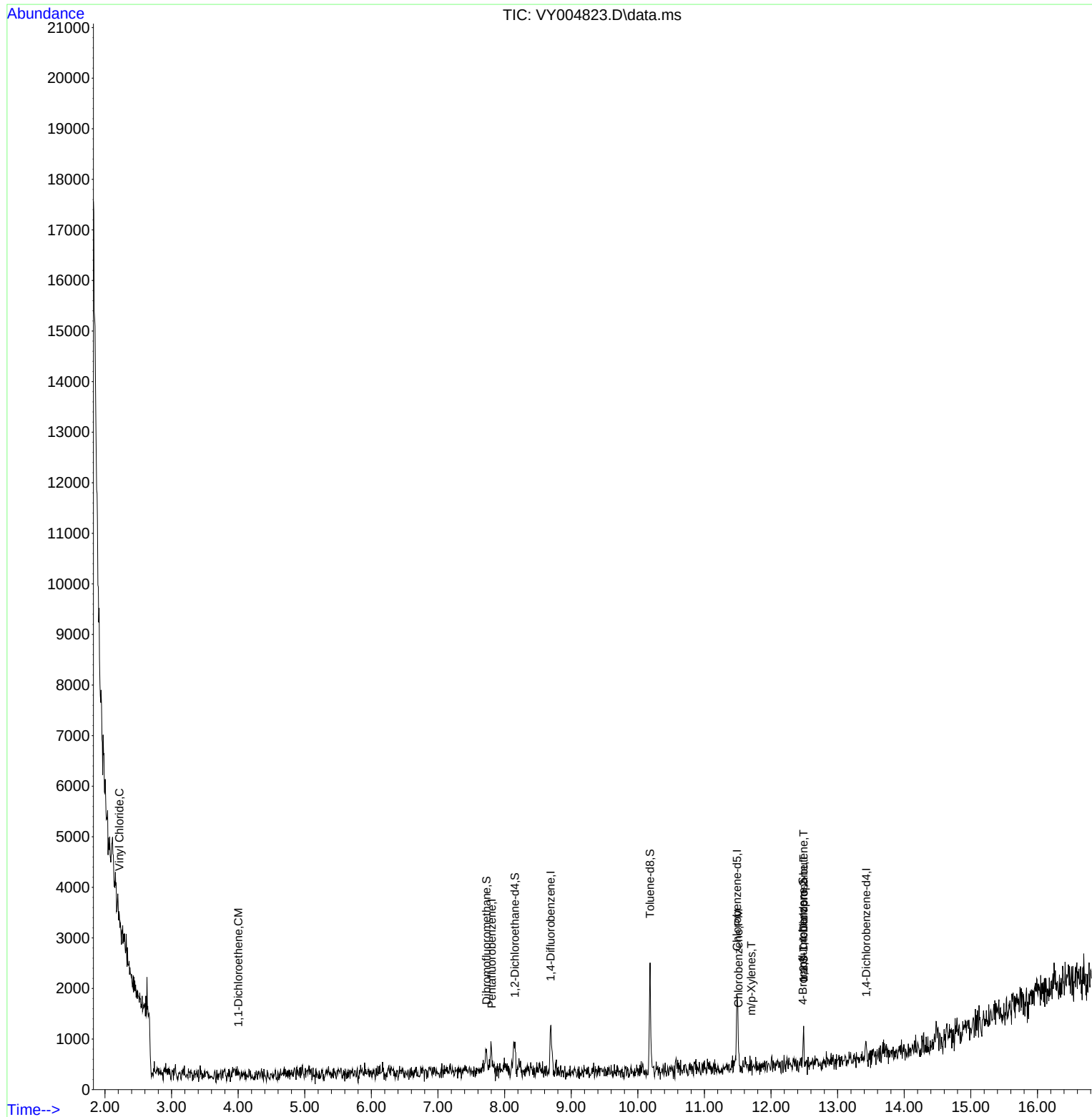
| Compound                      | R.T.   | QIon           | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|----------------|----------|-----------|-------|----------|
| -----                         |        |                |          |           |       |          |
| Internal Standards            |        |                |          |           |       |          |
| 1) Pentafluorobenzene         | 7.807  | 168            | 653      | 50.00     | ug/l  | # 0.01   |
| 34) 1,4-Difluorobenzene       | 8.691  | 114            | 1124     | 50.00     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117            | 912      | 50.00     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152            | 20       | 50.00     | ug/l  | # 0.00   |
| System Monitoring Compounds   |        |                |          |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.155  | 65             | 478      | 61.50     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range 50 - 163 | Recovery | = 123.00% |       |          |
| 35) Dibromofluoromethane      | 7.728  | 113            | 360      | 58.50     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range 54 - 147 | Recovery | = 117.00% |       |          |
| 50) Toluene-d8                | 10.185 | 98             | 1208     | 43.46     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range 49 - 140 | Recovery | = 86.92%  |       |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95             | 160      | 17.05     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range 25 - 144 | Recovery | = 34.10%  |       |          |
| Target Compounds              |        |                |          |           |       |          |
|                               |        |                |          |           |       | Qvalue   |
| 4) Vinyl Chloride             | 2.217  | 62             | 95       | 9.58      | ug/l  | # 43     |
| 12) 1,1-Dichloroethene        | 4.003  | 96             | 18       | 2.79      | ug/l  | # 1      |
| 65) Chlorobenzene             | 11.514 | 112            | 57       | 3.04      | ug/l  | # 43     |
| 68) m/p-Xylenes               | 11.703 | 106            | 21       | 1.60      | ug/l  | # 1      |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75             | 150      | 706.11    | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75             | 150      | 1224.35   | ug/l  | # 13     |

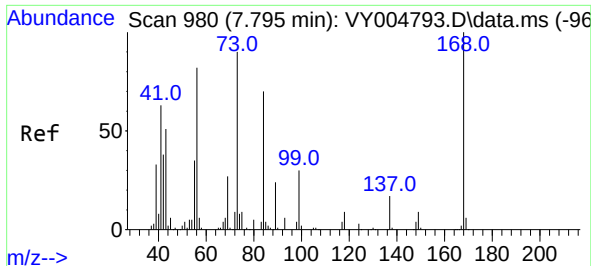
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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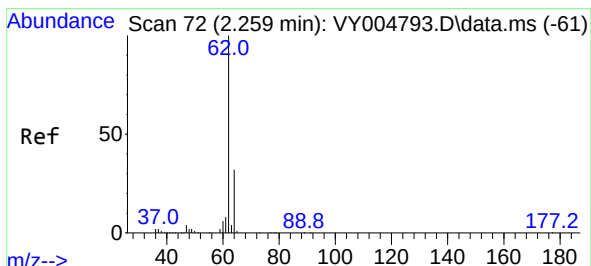
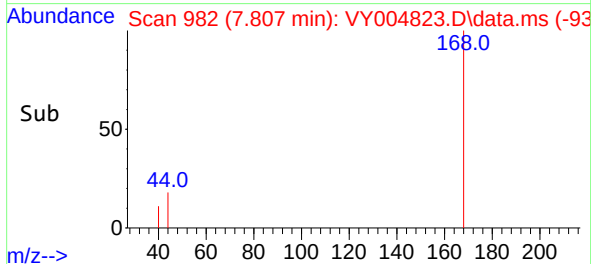
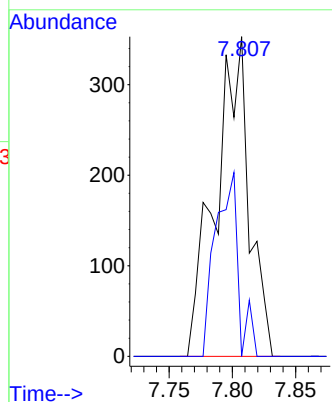
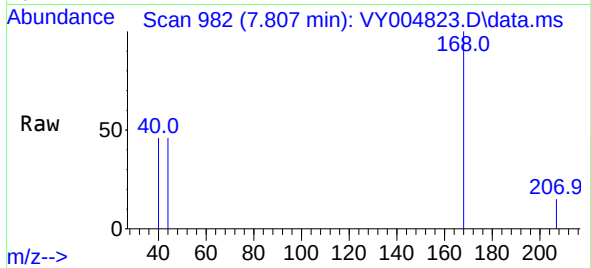




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. 0.012 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

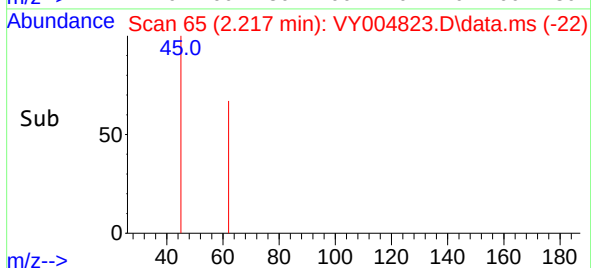
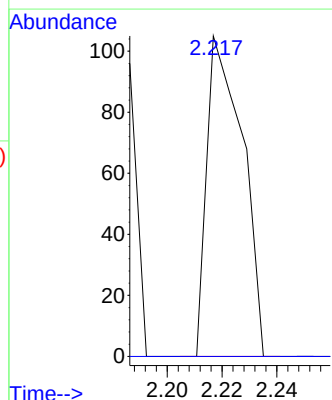
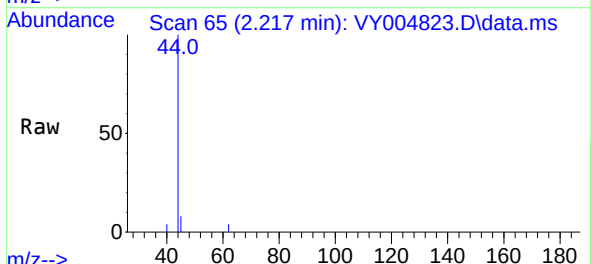
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-3.5-4.0

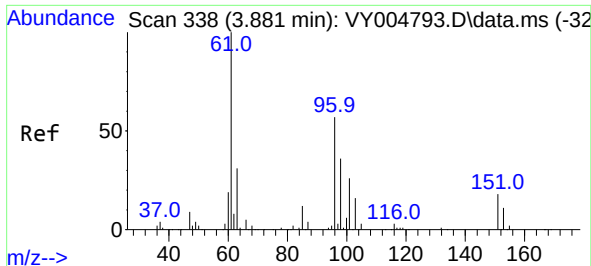
Tgt Ion:168 Resp: 653  
Ion Ratio Lower Upper  
168 100  
99 0.0 45.6 68.4#



#4  
Vinyl Chloride  
Concen: 9.58 ug/l  
RT: 2.217 min Scan# 65  
Delta R.T. -0.037 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

Tgt Ion: 62 Resp: 95  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.4 38.2#

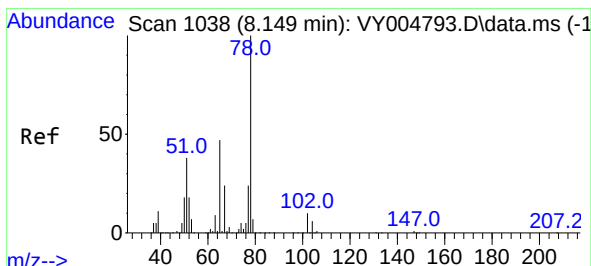
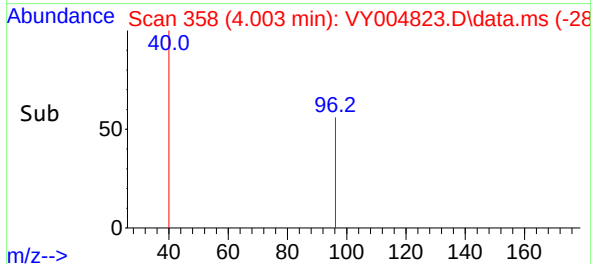
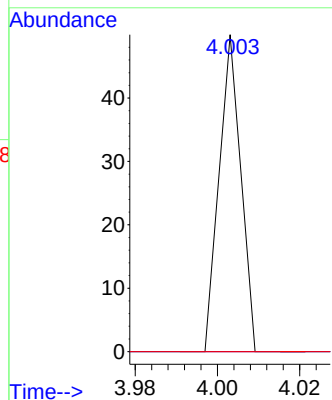
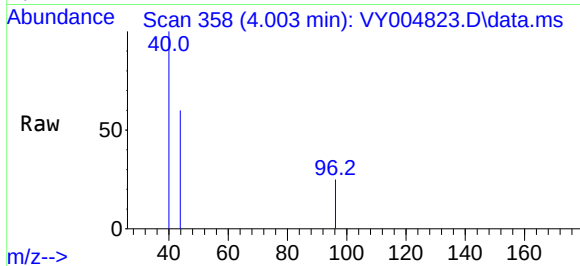




#12  
1,1-Dichloroethene  
Concen: 2.79 ug/l  
RT: 4.003 min Scan# 358  
Delta R.T. 0.122 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

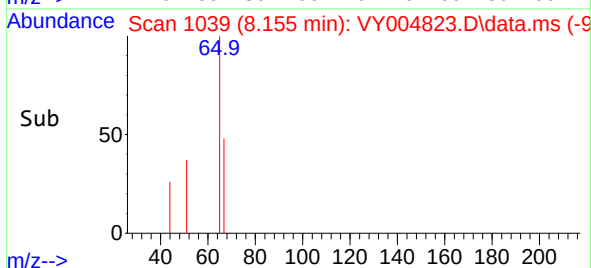
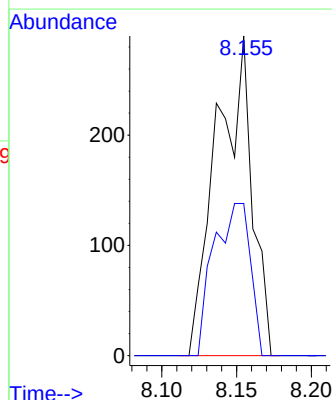
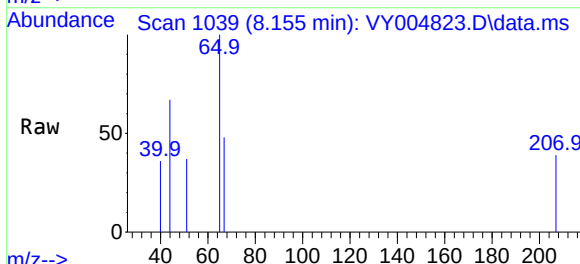
Instrument :  
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ClientSampleId :  
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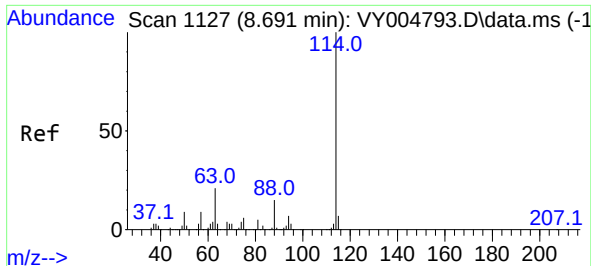
Tgt Ion: 96 Resp: 18  
Ion Ratio Lower Upper  
96 100  
61 0.0 137.5 206.3#  
98 0.0 50.2 75.2#



#33  
1,2-Dichloroethane-d4  
Concen: 61.50 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

Tgt Ion: 65 Resp: 478  
Ion Ratio Lower Upper  
65 100  
67 49.0 0.0 108.0

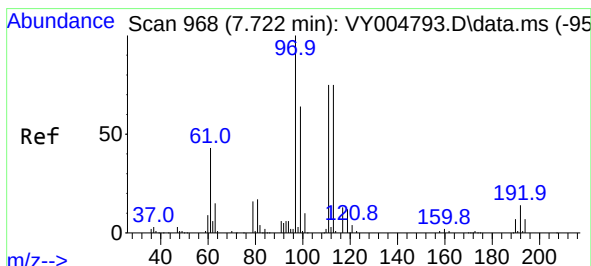
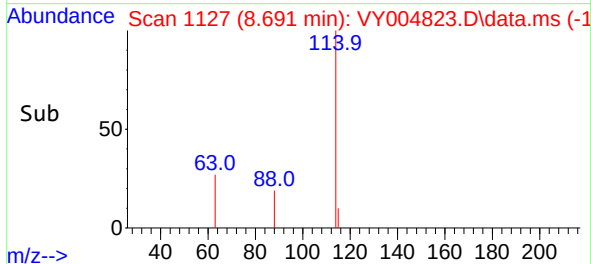
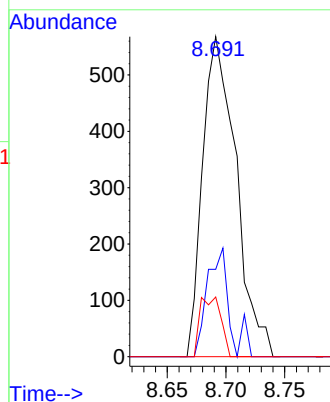
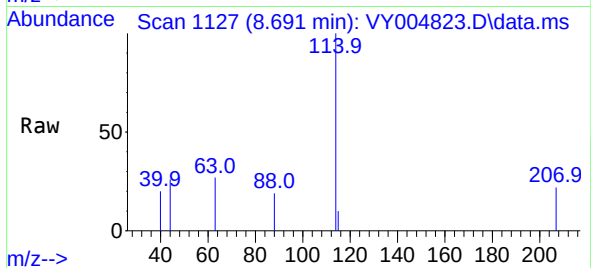




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

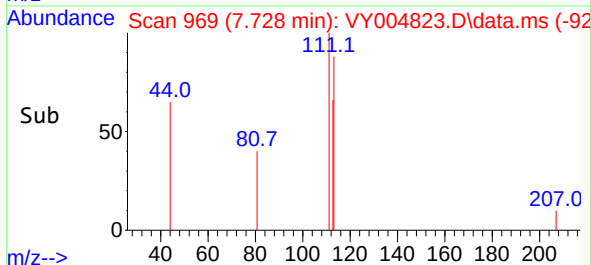
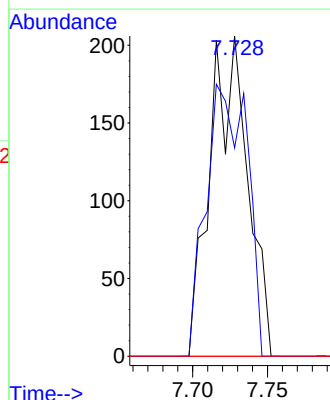
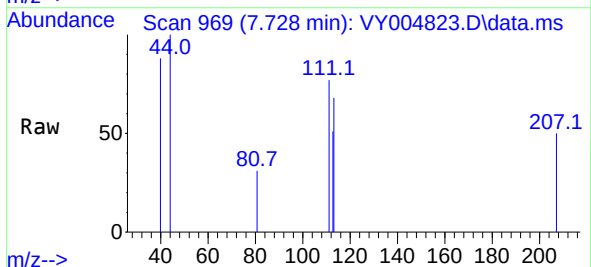
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-3.5-4.0

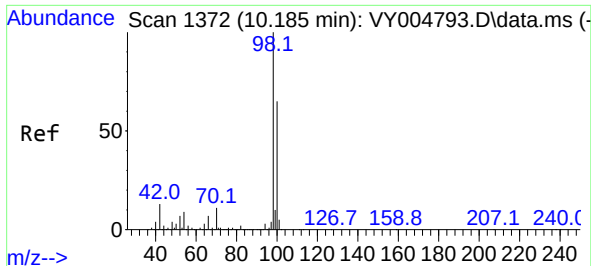
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 1124  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 27.3  | 0.0   | 42.8  |
| 88       | 18.7  | 0.0   | 31.0  |



#35  
Dibromofluoromethane  
Concen: 58.50 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 360   |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 93.1  | 80.5  | 120.7 |
| 192      | 0.0   | 15.0  | 22.6# |

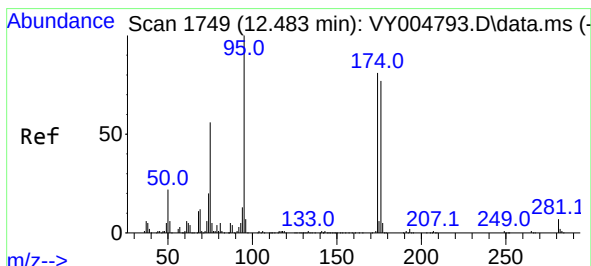
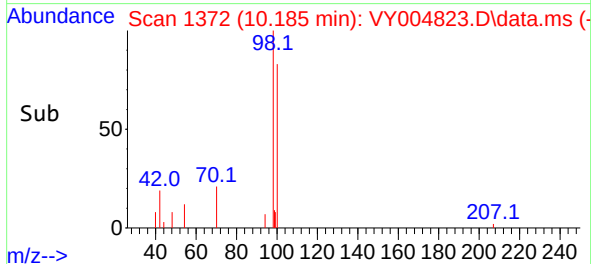
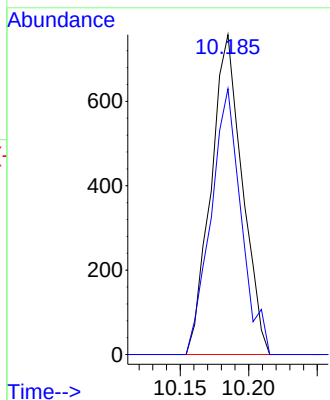
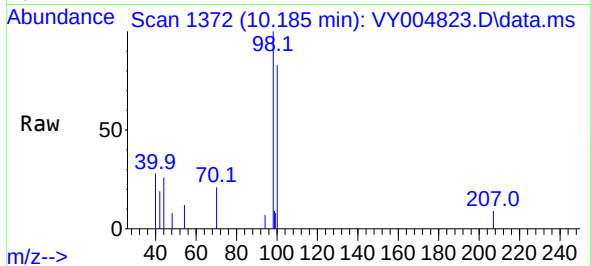




#50  
Toluene-d8  
Concen: 43.46 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

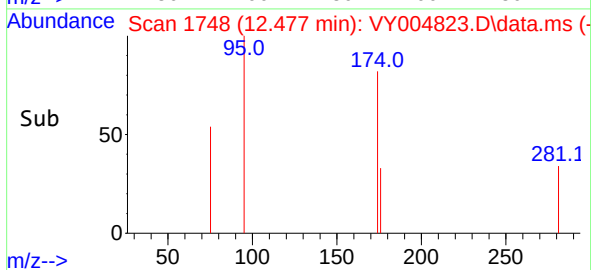
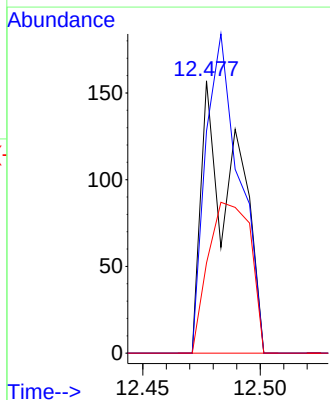
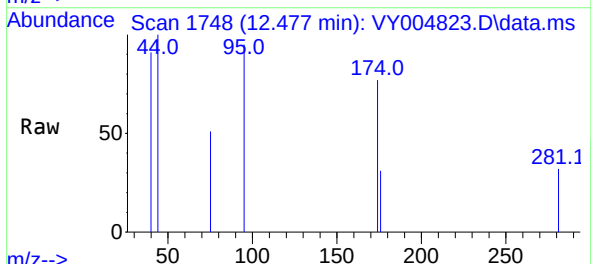
Instrument :  
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ClientSampleId :  
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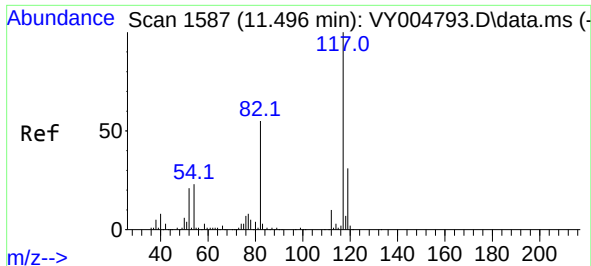
Tgt Ion: 98 Resp: 1208  
Ion Ratio Lower Upper  
98 100  
100 80.2 51.5 77.3#



#62  
4-Bromofluorobenzene  
Concen: 17.05 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

Tgt Ion: 95 Resp: 160  
Ion Ratio Lower Upper  
95 100  
174 115.0 0.0 164.2  
176 68.1 0.0 159.0

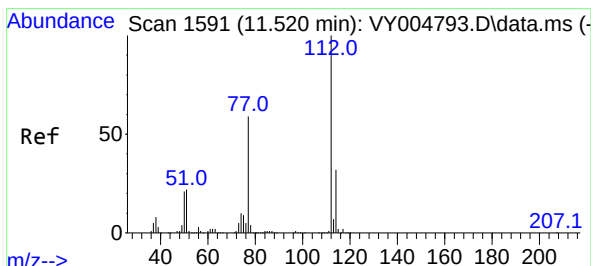
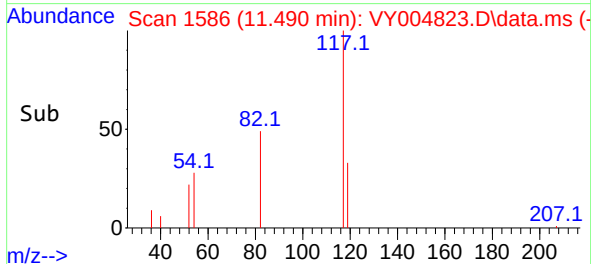
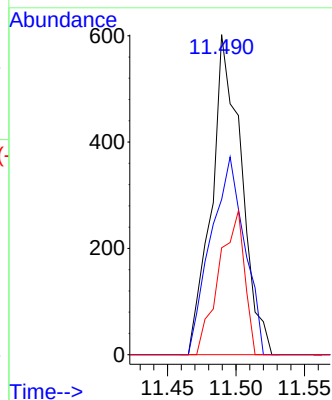
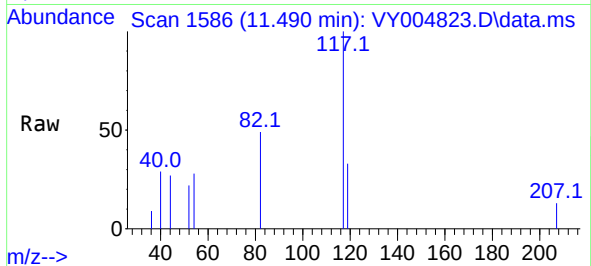




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

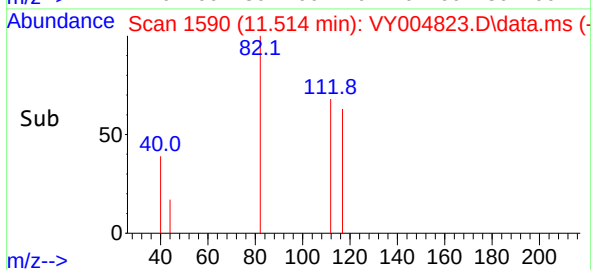
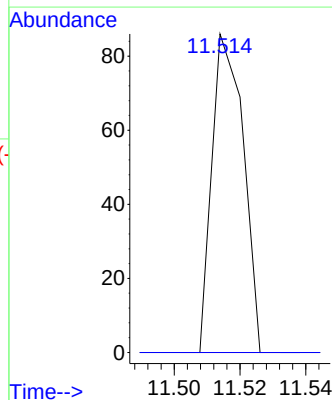
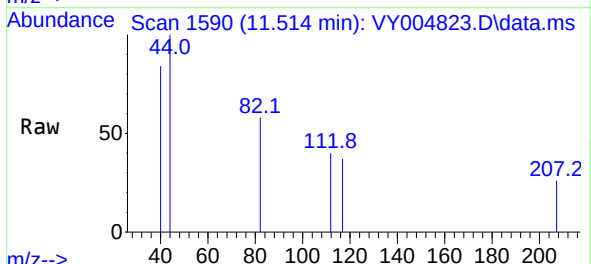
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-3.5-4.0

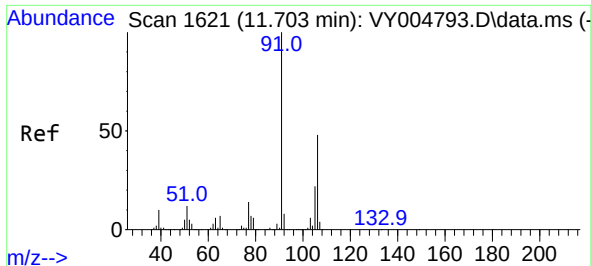
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|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 912   |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 48.5  | 45.4  | 68.2  |
| 119      | 33.4  | 25.8  | 38.6  |



#65  
Chlorobenzene  
Concen: 3.04 ug/l  
RT: 11.514 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 57    |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 0.0   | 25.4  | 38.2# |

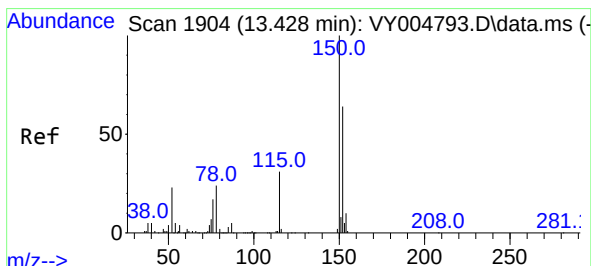
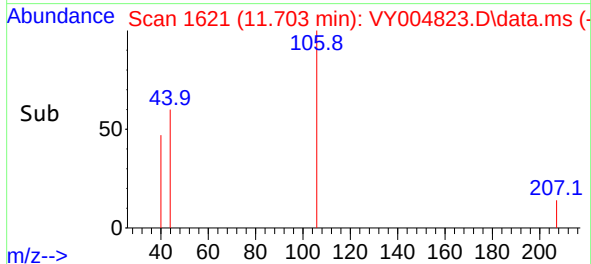
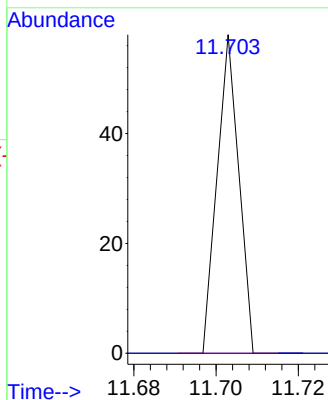
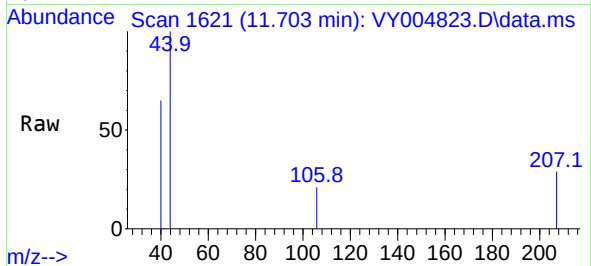




#68  
m/p-Xylenes  
Concen: 1.60 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

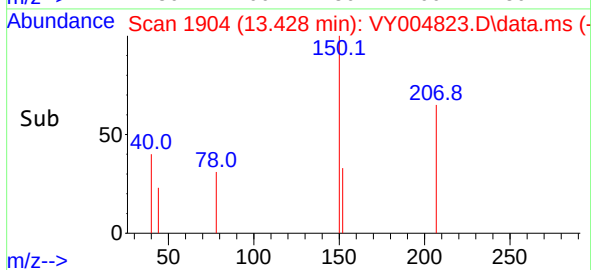
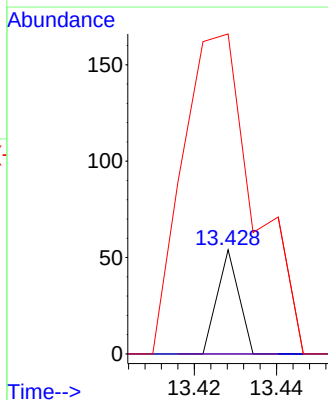
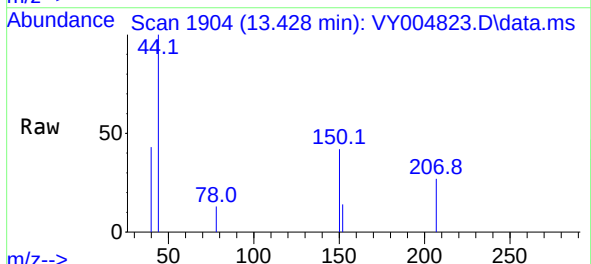
Instrument :  
MSVOA\_Y  
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SB-08-3.5-4.0

Tgt Ion:106 Resp: 21  
Ion Ratio Lower Upper  
106 100  
91 0.0 163.6 245.4#

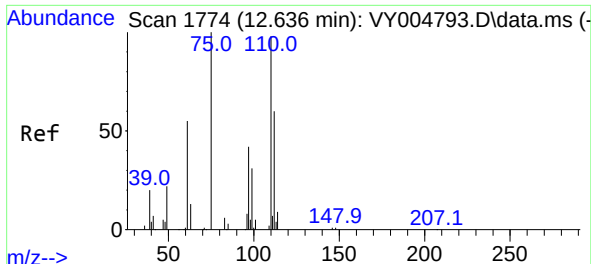


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

Tgt Ion:152 Resp: 20  
Ion Ratio Lower Upper  
152 100  
115 0.0 29.4 88.3#  
150 1010.0 0.0 349.8#



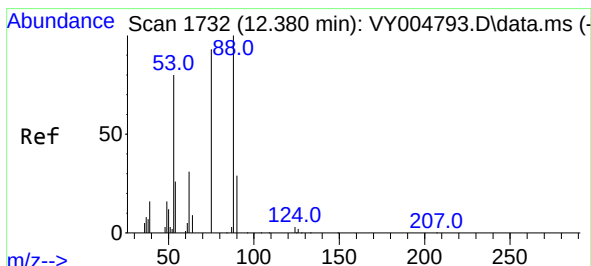
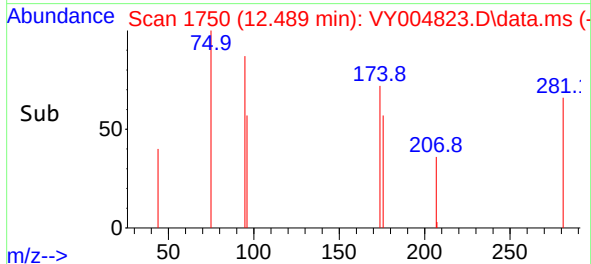
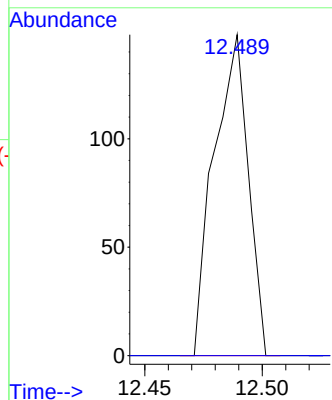
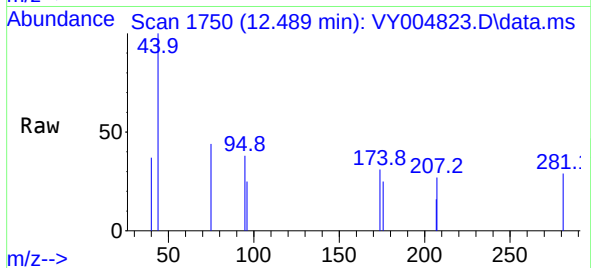




#76  
1,2,3-Trichloropropane  
Concen: 706.11 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.146 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-3.5-4.0

Tgt Ion: 75 Resp: 150  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 1224.35 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.110 min  
Lab File: VY004823.D  
Acq: 18 May 2021 13:31

Tgt Ion: 75 Resp: 150  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.9 110.9#  
89 0.0 35.5 53.3#

