

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032822\  
 Data File : VY008066.D  
 Acq On : 28 Mar 2022 15:53  
 Operator : SY/MD  
 Sample : N2095-15RE  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-15-5.0-6.0RE

Quant Time: Mar 29 02:26:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032522S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 26 03:24:51 2022  
 Response via : Initial Calibration

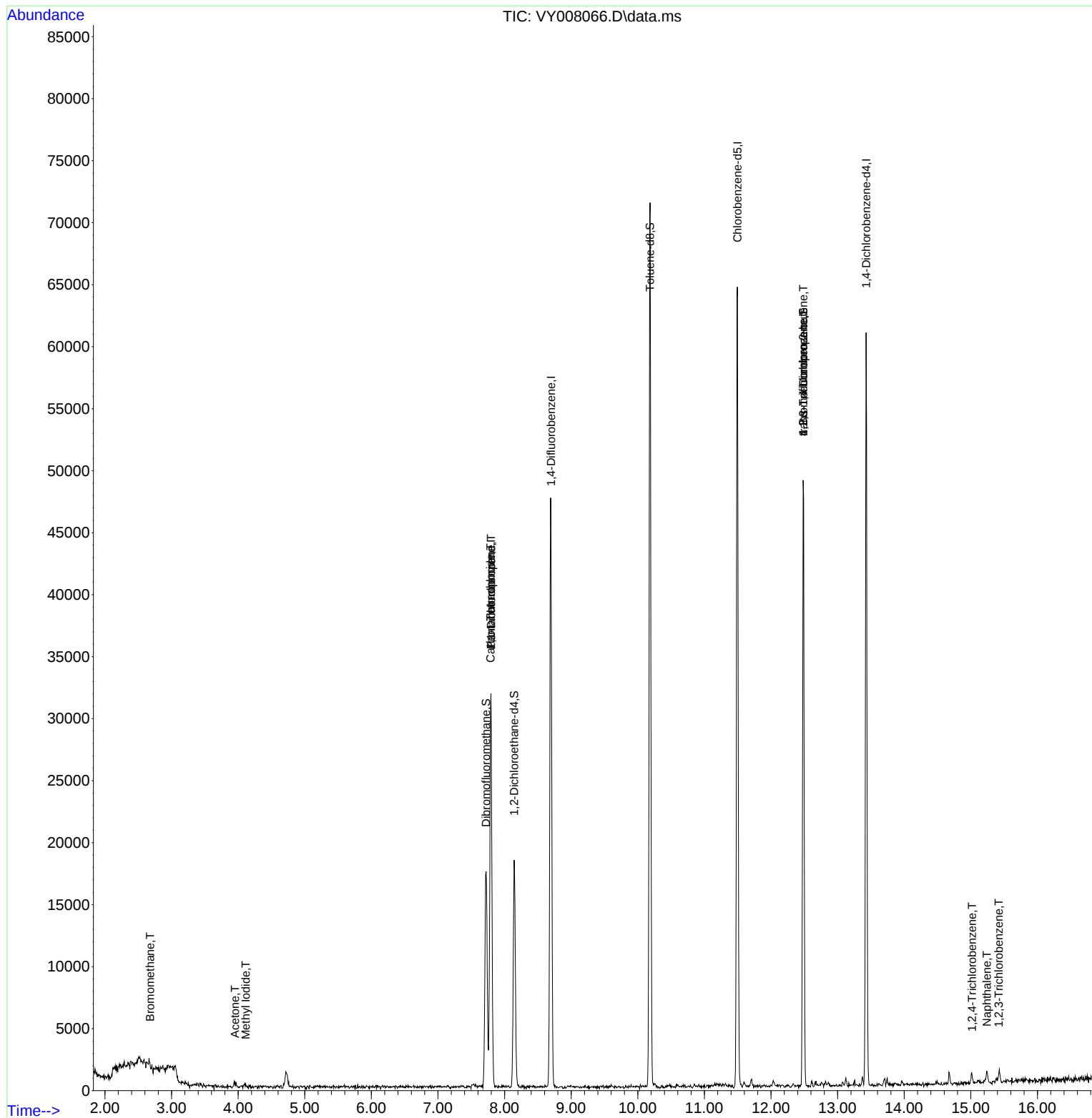
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 24600    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 43110    | 50.000    | ug/l       | 0.01     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 37255    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 15396    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 14014    | 56.780    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 113.560% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 13129    | 48.574    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 97.140%  |          |
| 50) Toluene-d8                | 10.185 | 98    | 49046    | 48.164    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 96.320%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 16244    | 45.215    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 90.420%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.680  | 94    | 402      | 1.365     | ug/l       | 93       |
| 10) Methyl Iodide             | 4.113  | 142   | 415      | 2.915     | ug/l #     | 35       |
| 16) Acetone                   | 3.954  | 43    | 605      | 10.724    | ug/l #     | 47       |
| 20) Methylene Chloride        | 4.728  | 84    | 991      | Below Cal | #          | 77       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 1898     | 4.470     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 2485     | 5.371     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 8268     | 44.054    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 8268     | 98.292    | ug/l #     | 7        |
| 93) 1,2,4-Trichlorobenzene    | 15.019 | 180   | 387      | 1.270     | ug/l #     | 85       |
| 95) Naphthalene               | 15.239 | 128   | 1280     | 1.900     | ug/l #     | 85       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180   | 505      | 1.915     | ug/l       | 88       |
| -----                         |        |       |          |           |            |          |

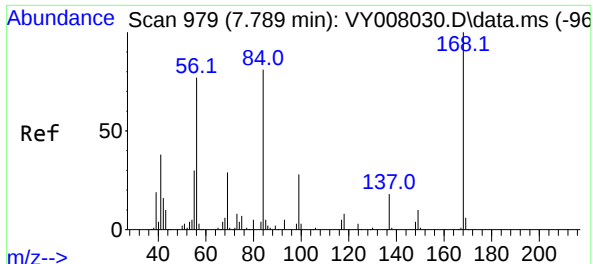
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
SB-15-5.0-6.0RE

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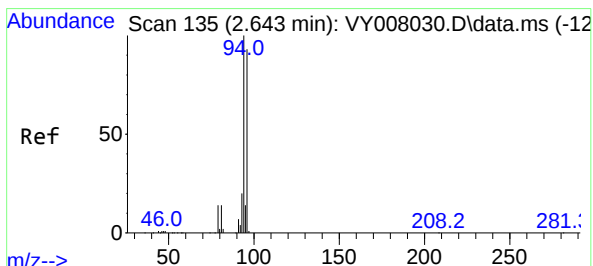
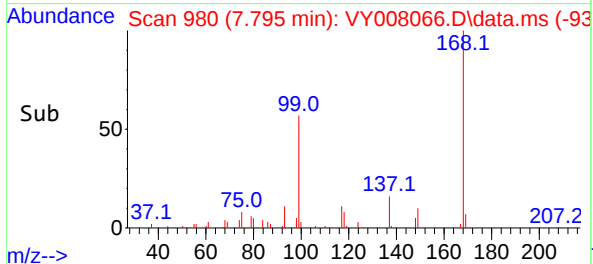
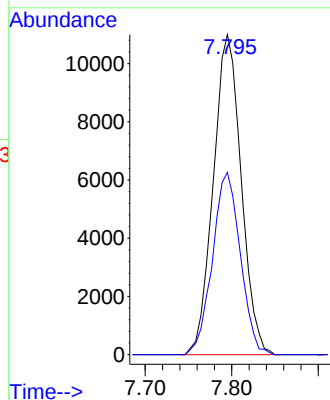
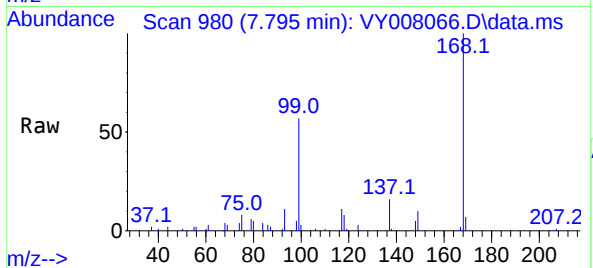




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

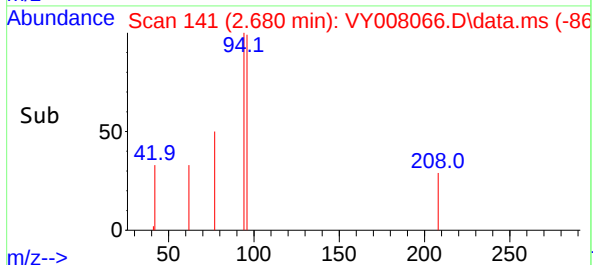
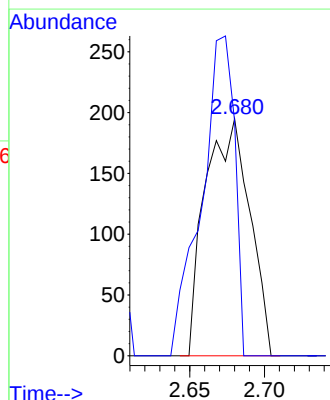
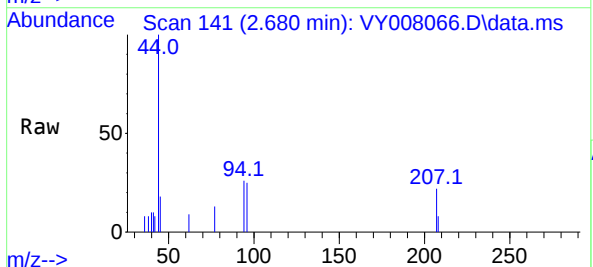
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-5.0-6.0RE

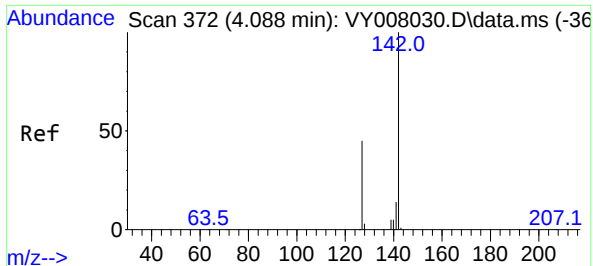
Tgt Ion:168 Resp: 24600  
Ion Ratio Lower Upper  
168 100  
99 57.0 46.9 70.3



#5  
Bromomethane  
Concen: 1.365 ug/l  
RT: 2.680 min Scan# 141  
Delta R.T. 0.037 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

Tgt Ion: 94 Resp: 402  
Ion Ratio Lower Upper  
94 100  
96 99.0 73.5 110.3

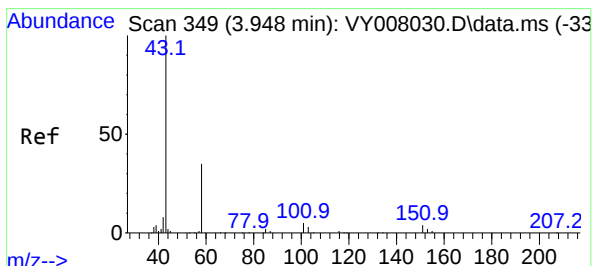
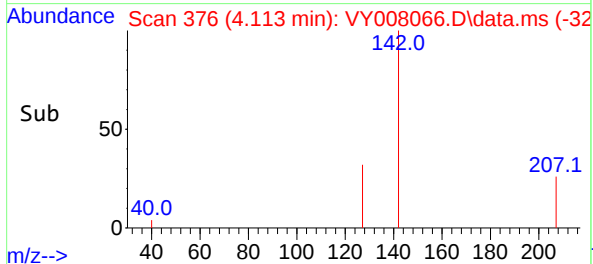
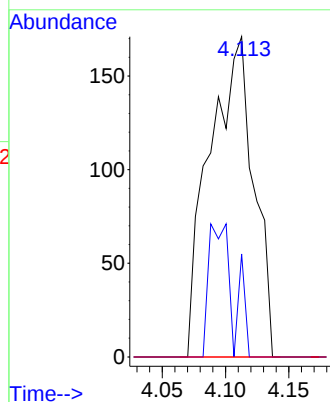
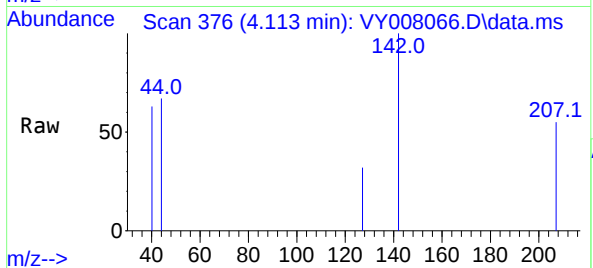




#10  
Methyl Iodide  
Concen: 2.915 ug/l  
RT: 4.113 min Scan# 31  
Delta R.T. 0.025 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

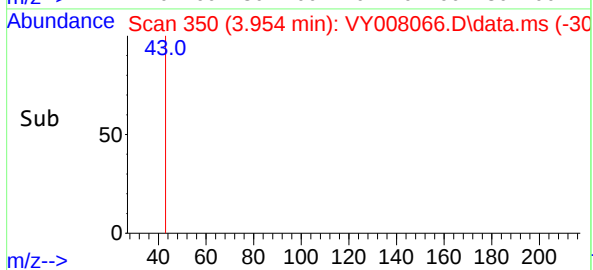
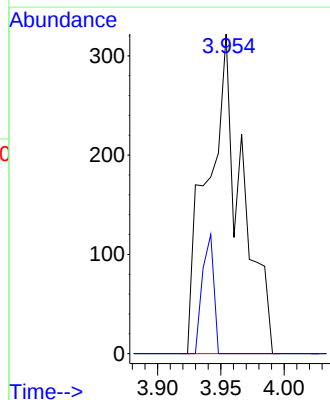
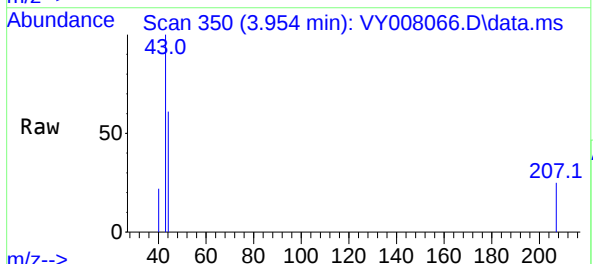
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-5.0-6.0RE

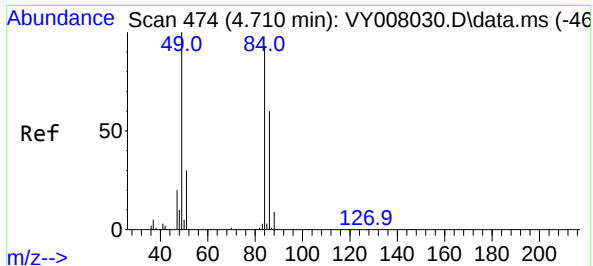
Tgt Ion:142 Resp: 415  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.5 62.3#  
141 0.0 11.9 17.9#



#16  
Acetone  
Concen: 10.724 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

Tgt Ion: 43 Resp: 605  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#

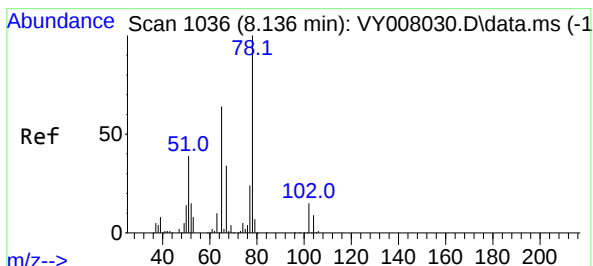
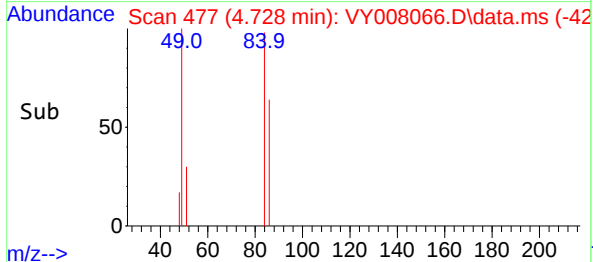
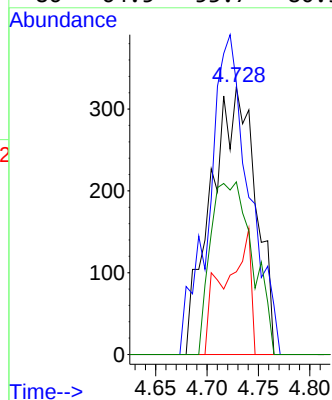
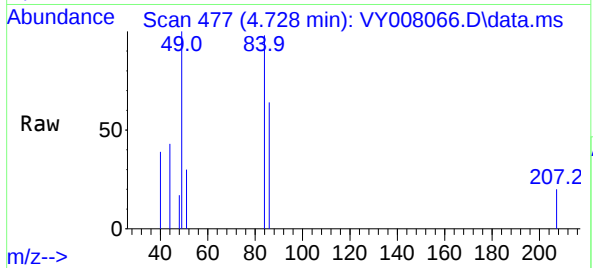




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.728 min Scan# 41  
Delta R.T. 0.018 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

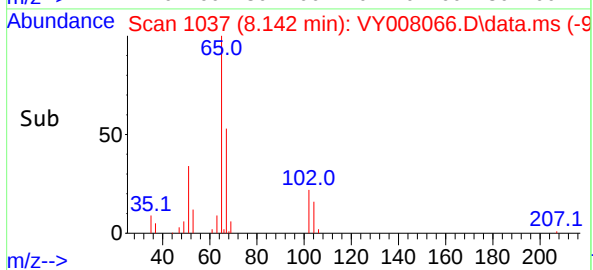
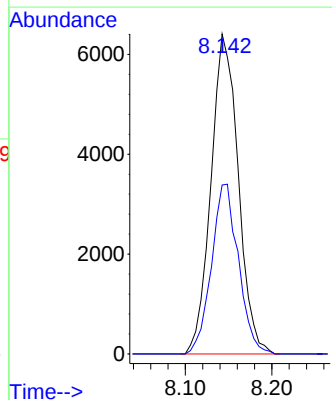
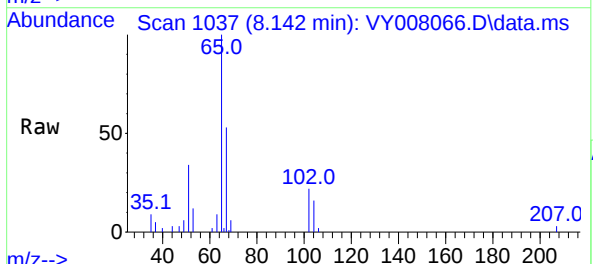
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-5.0-6.0RE

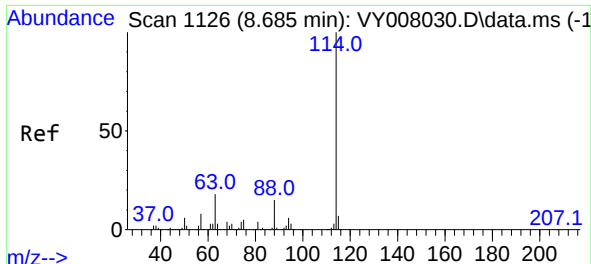
Tgt Ion: 84 Resp: 991  
Ion Ratio Lower Upper  
84 100  
49 101.5 114.4 171.6#  
51 30.9 35.3 52.9#  
86 64.5 53.7 80.5



#33  
1,2-Dichloroethane-d4  
Concen: 56.780 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

Tgt Ion: 65 Resp: 14014  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY008066.D

Acq: 28 Mar 2022 15:53

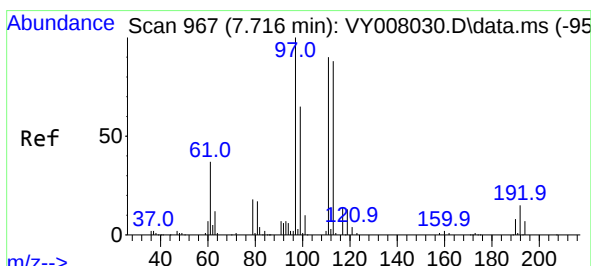
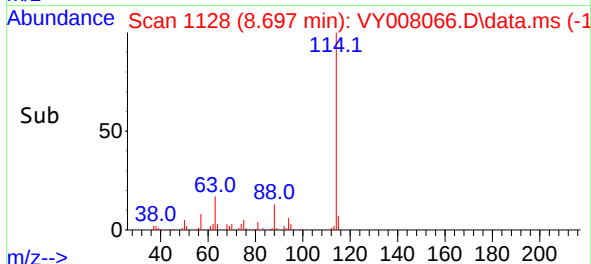
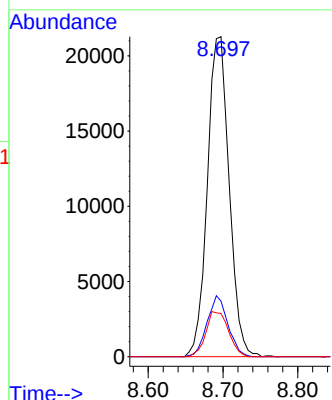
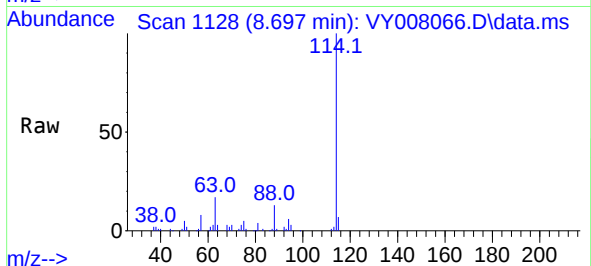
Instrument :

MSVOA\_Y

ClientSampleId :

SB-15-5.0-6.0RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 43110 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 17.4  | 0.0   | 43.2  |
| 88       | 13.5  | 0.0   | 31.8  |



#35

Dibromofluoromethane

Concen: 48.574 ug/l

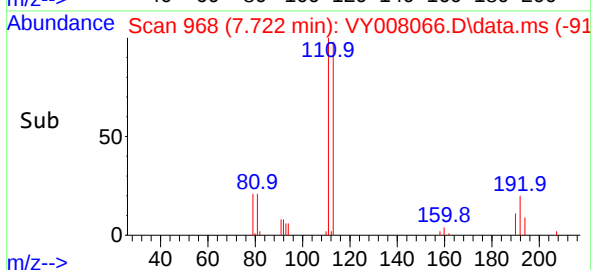
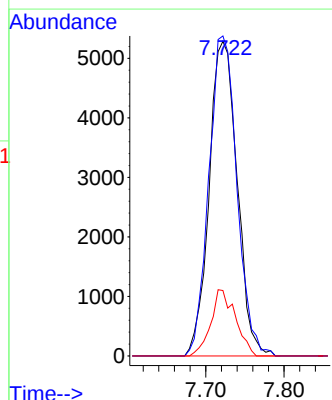
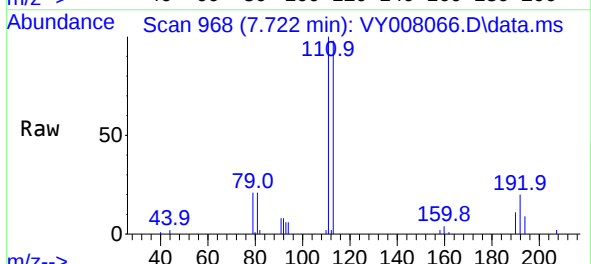
RT: 7.722 min Scan# 968

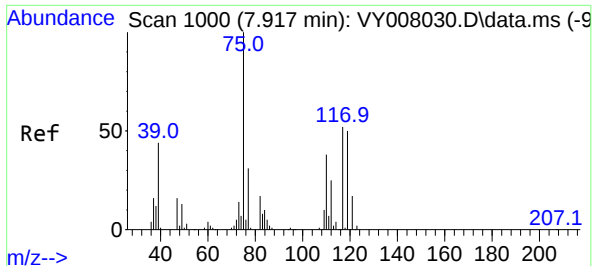
Delta R.T. 0.006 min

Lab File: VY008066.D

Acq: 28 Mar 2022 15:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 13129 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.6 | 82.6  | 124.0 |
| 192      | 18.6  | 17.6  | 26.4  |



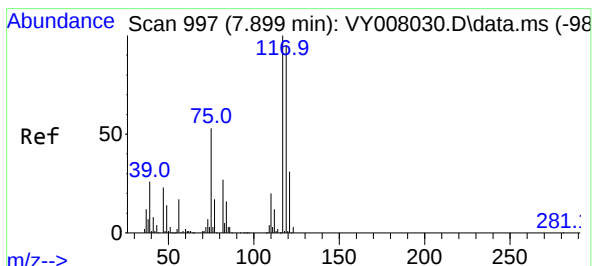
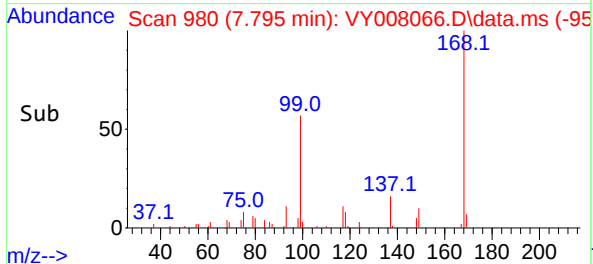
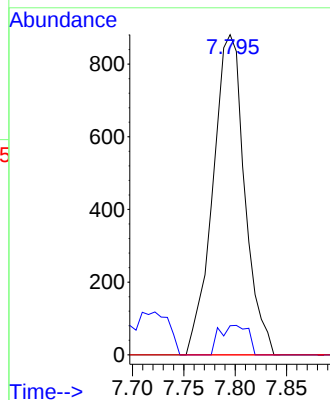
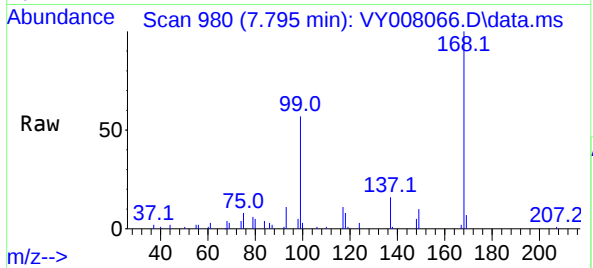


#36  
1,1-Dichloropropene  
Concen: 4.470 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-5.0-6.0RE

Tgt Ion: 75 Resp: 1898

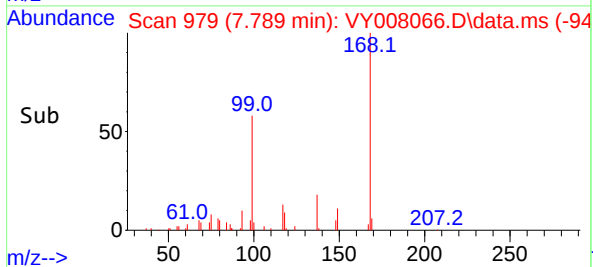
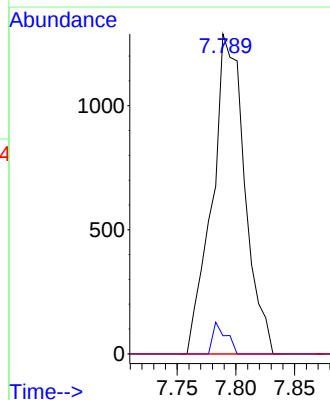
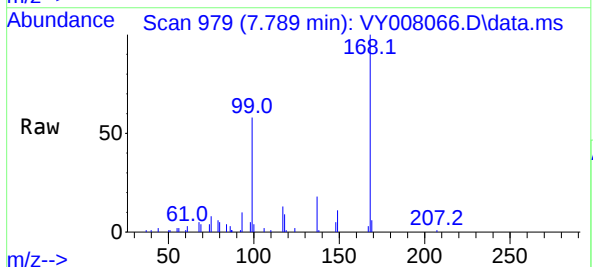
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 8.3   | 17.1  | 51.2# |
| 77  | 0.0   | 24.4  | 36.6# |

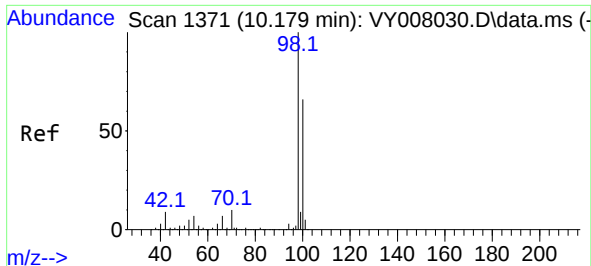


#38  
Carbon Tetrachloride  
Concen: 5.371 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.110 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

Tgt Ion: 117 Resp: 2485

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 117 | 100   |       |        |
| 119 | 5.7   | 77.9  | 116.9# |
| 121 | 0.0   | 24.8  | 37.2#  |

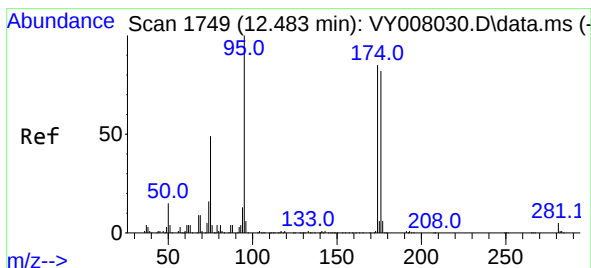
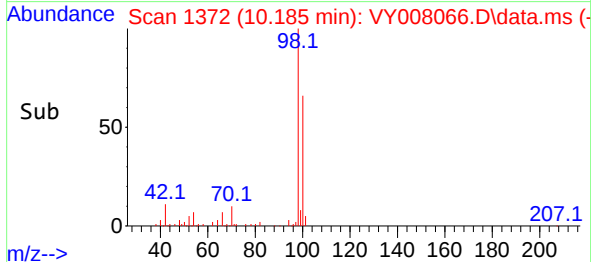
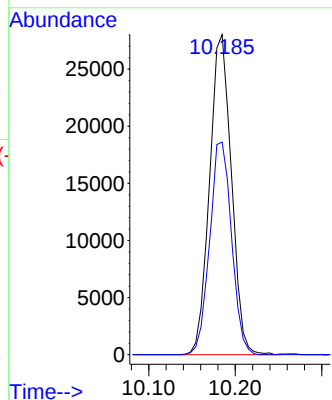
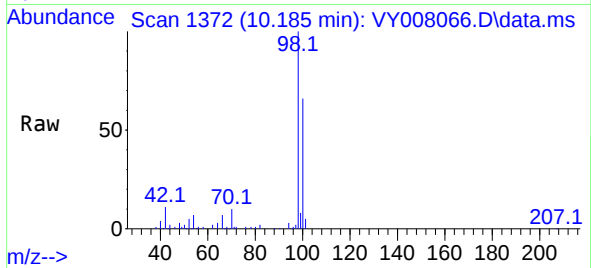




#50  
Toluene-d8  
Concen: 48.164 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

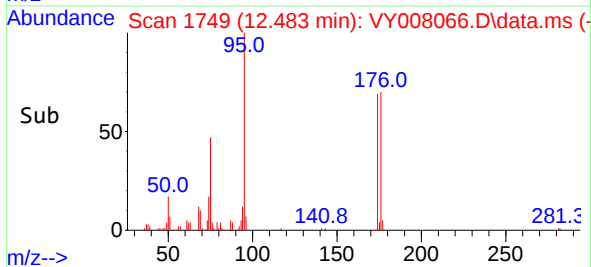
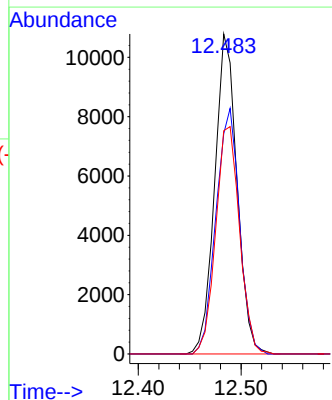
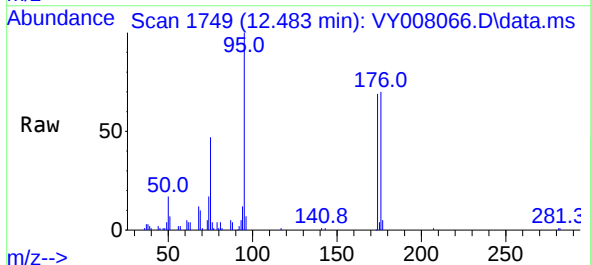
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-5.0-6.0RE

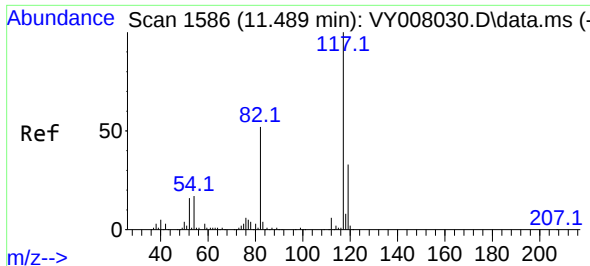
Tgt Ion: 98 Resp: 49046  
Ion Ratio Lower Upper  
98 100  
100 66.6 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 45.215 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

Tgt Ion: 95 Resp: 16244  
Ion Ratio Lower Upper  
95 100  
174 80.7 0.0 177.0  
176 75.8 0.0 175.8

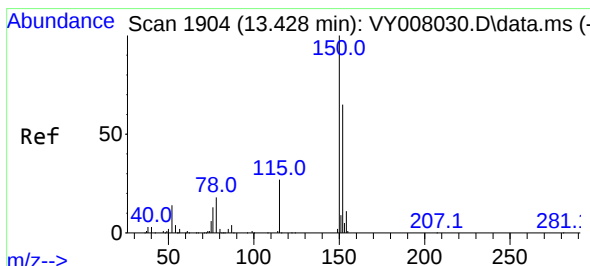
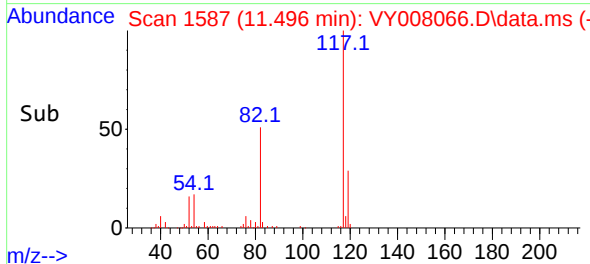
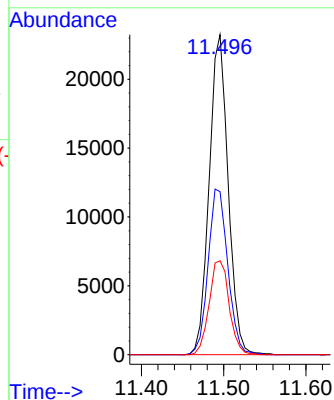
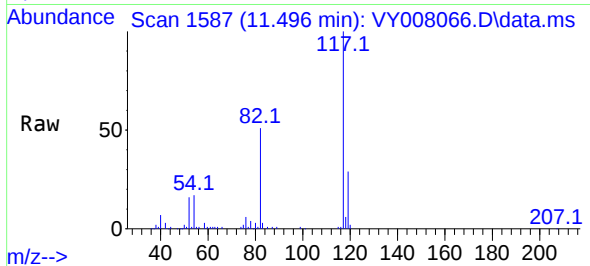




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

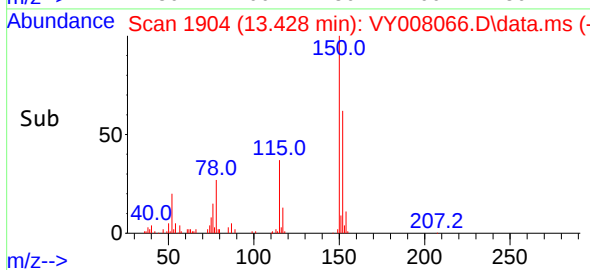
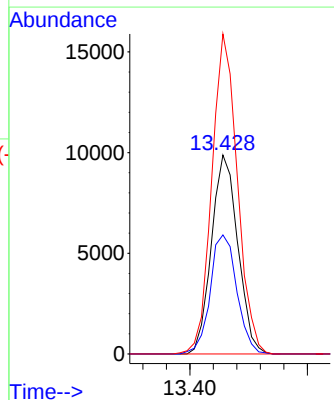
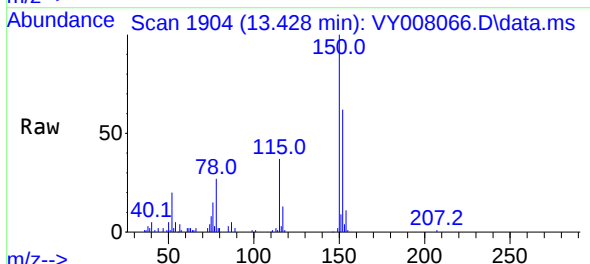
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-5.0-6.0RE

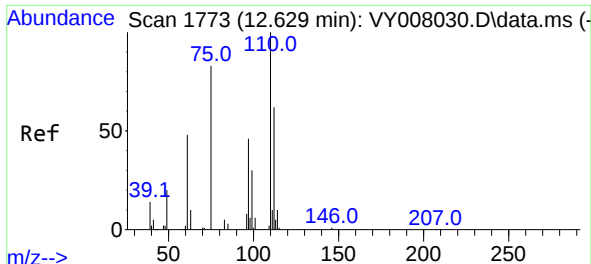
Tgt Ion:117 Resp: 37255  
Ion Ratio Lower Upper  
117 100  
82 50.9 43.0 64.4  
119 29.4 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

Tgt Ion:152 Resp: 15396  
Ion Ratio Lower Upper  
152 100  
115 60.4 28.2 84.7  
150 155.8 0.0 347.6

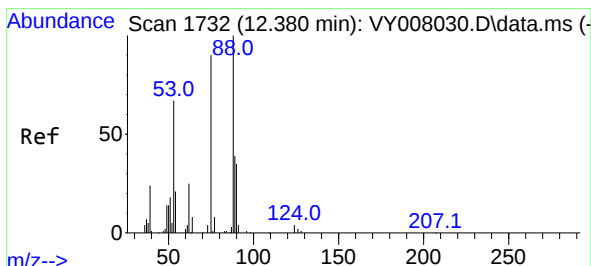
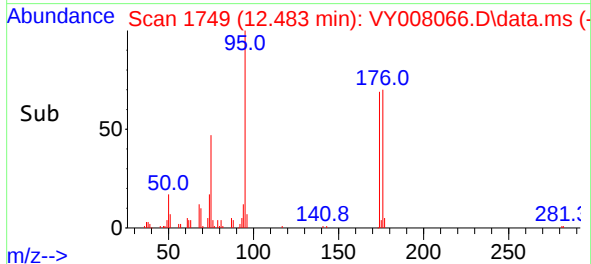
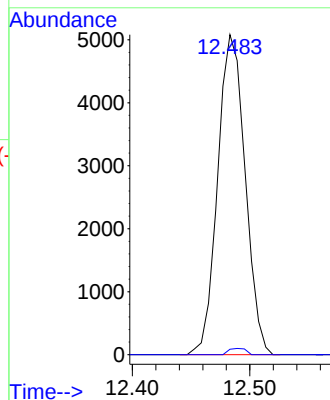
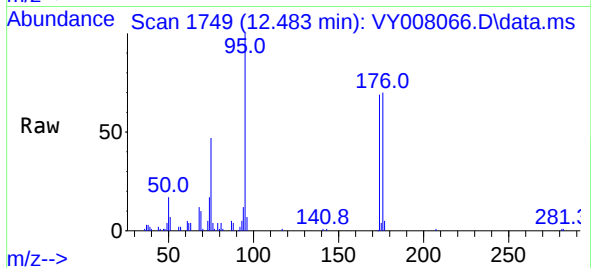




#76  
1,2,3-Trichloropropane  
Concen: 44.054 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

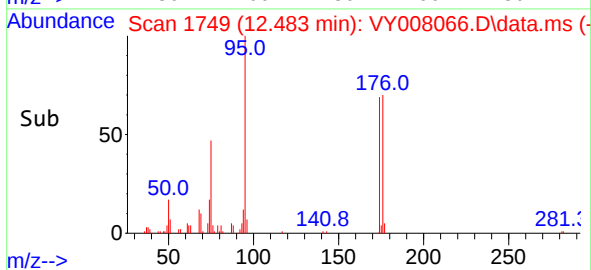
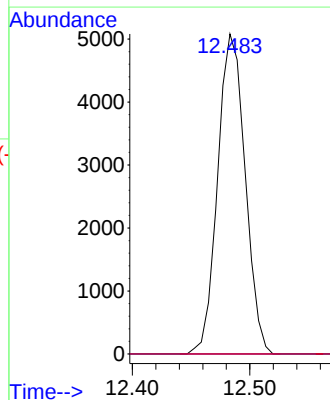
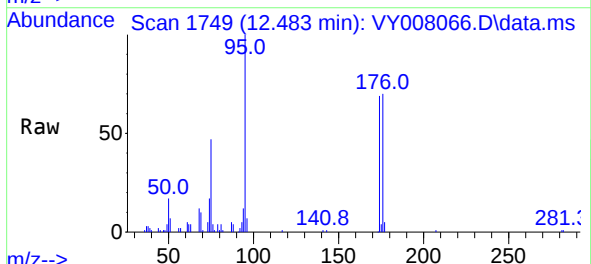
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-5.0-6.0RE

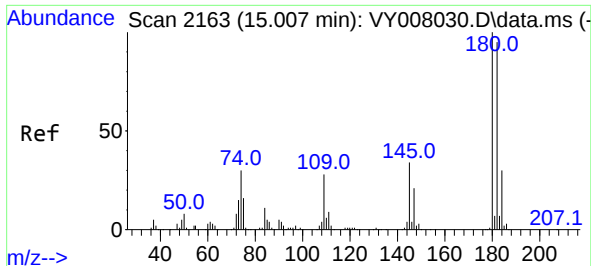
Tgt Ion: 75 Resp: 8268  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 98.292 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

Tgt Ion: 75 Resp: 8268  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

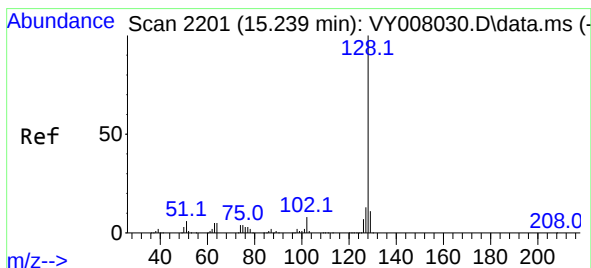
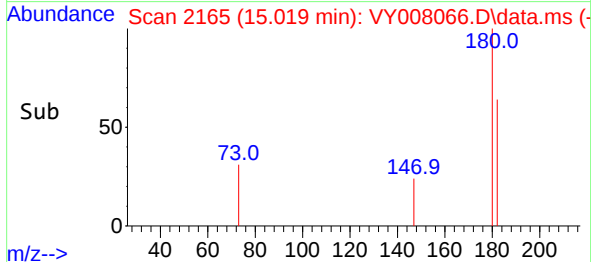
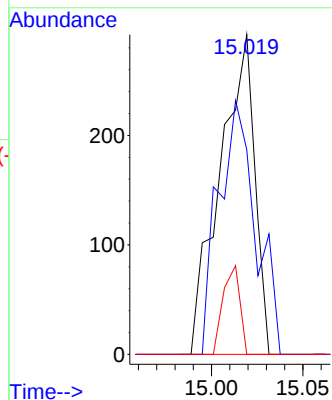
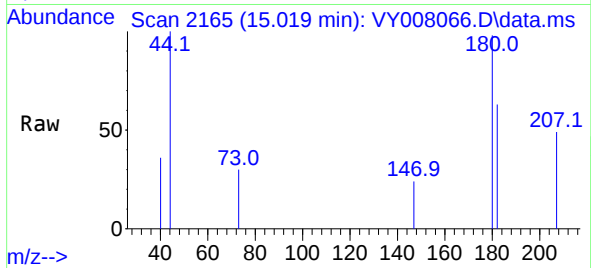




#93  
1,2,4-Trichlorobenzene  
Concen: 1.270 ug/l  
RT: 15.019 min Scan# 2165  
Delta R.T. 0.012 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

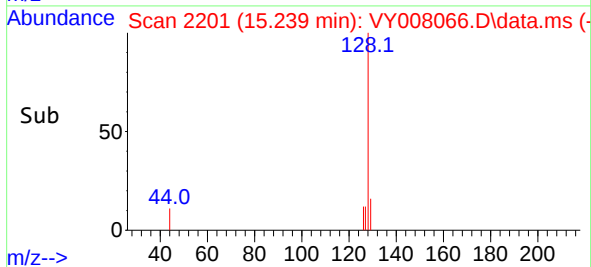
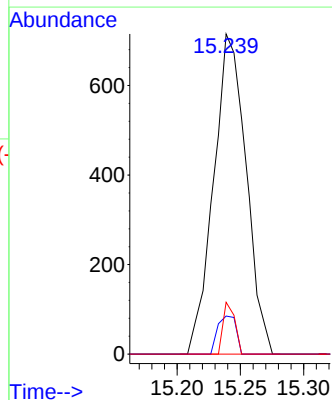
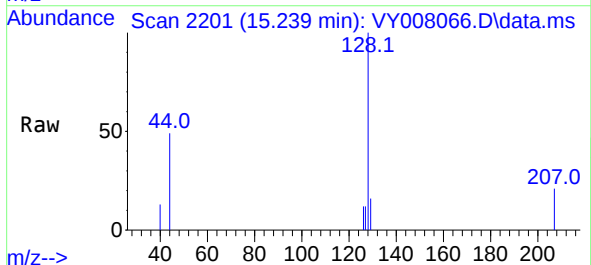
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-15-5.0-6.0RE

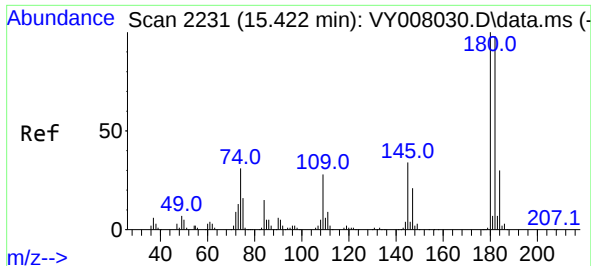
Tgt Ion:180 Resp: 387  
Ion Ratio Lower Upper  
180 100  
182 84.8 47.3 141.9  
145 13.4 14.6 43.8#



#95  
Naphthalene  
Concen: 1.900 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: VY008066.D  
Acq: 28 Mar 2022 15:53

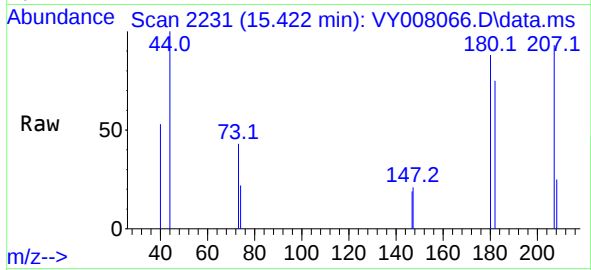
Tgt Ion:128 Resp: 1280  
Ion Ratio Lower Upper  
128 100  
127 6.7 11.0 16.4#  
129 5.8 8.4 12.6#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.915 ug/l  
 RT: 15.422 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VY008066.D  
 Acq: 28 Mar 2022 15:53

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-15-5.0-6.0RE



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 505   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 85.9  | 47.3  | 141.9 |
| 145      | 19.4  | 15.3  | 45.9  |

