

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041122\  
 Data File : VY008276.D  
 Acq On : 11 Apr 2022 16:35  
 Operator : KP/MD  
 Sample : N2340-08  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 12 06:59:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

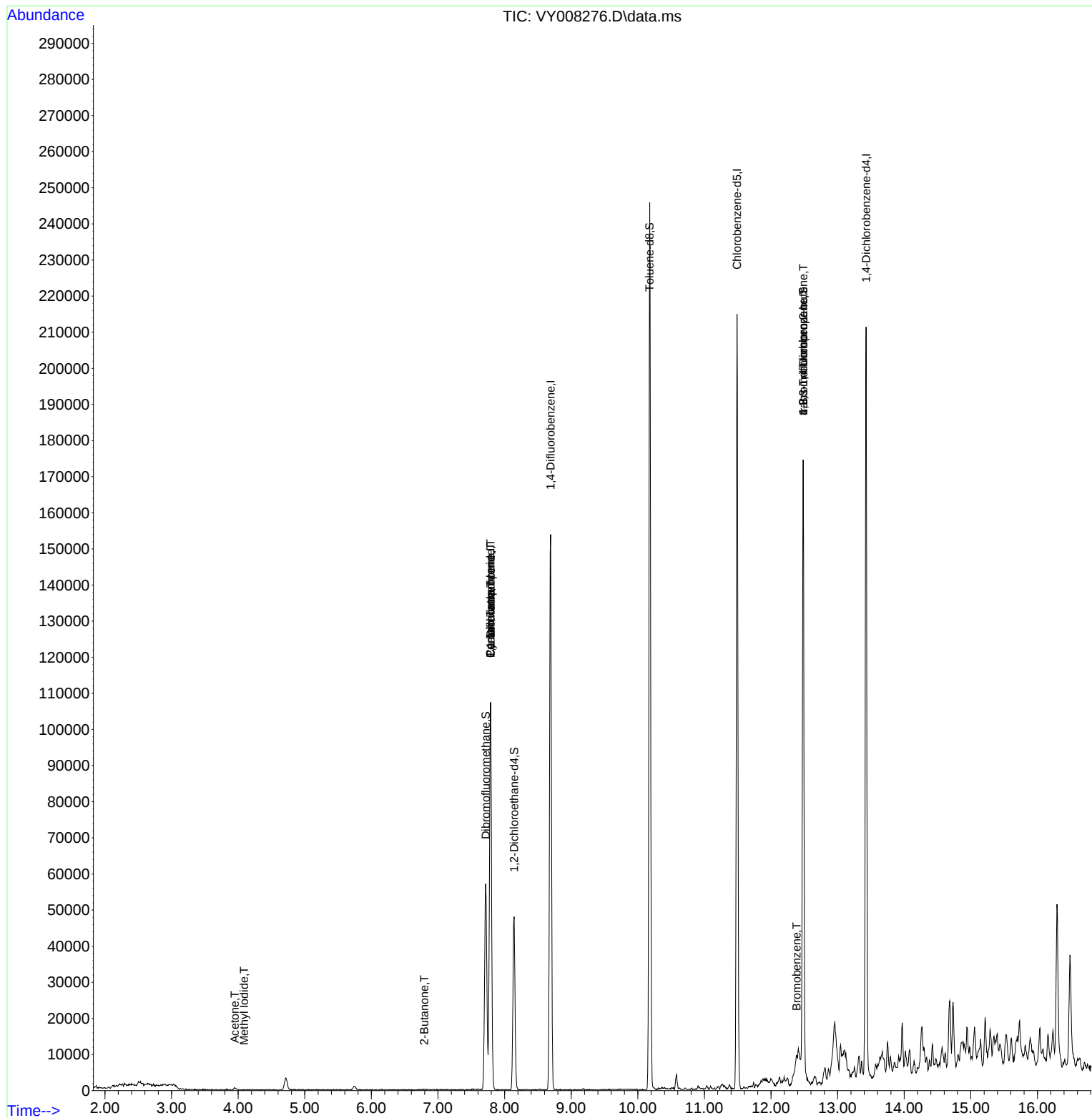
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 82539    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 140450   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 121237   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 51838    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 37003    | 47.727    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 95.460%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 40817    | 50.316    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 100.640% |
| 50) Toluene-d8                | 10.179 | 98    | 165072   | 59.468    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 118.940% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 50870    | 48.724    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 97.440%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.113  | 50    | 224      | Below Cal | #      | 44       |
| 5) Bromomethane               | 2.662  | 94    | 240      | Below Cal |        | 96       |
| 10) Methyl Iodide             | 4.088  | 142   | 45       | 2.434     | ug/l # | 35       |
| 16) Acetone                   | 3.948  | 43    | 1065     | 5.711     | ug/l # | 76       |
| 18) Methyl Acetate            | 4.472  | 43    | 38       | Below Cal | #      | 56       |
| 20) Methylene Chloride        | 4.710  | 84    | 2823     | Below Cal | #      | 65       |
| 25) 2-Butanone                | 6.795  | 43    | 313      | 1.073     | ug/l # | 54       |
| 31) Cyclohexane               | 7.789  | 56    | 1560     | 1.113     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 6181     | 4.772     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 8354     | 5.995     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 27274    | 47.572    | ug/l # | 100      |
| 77) Bromobenzene              | 12.386 | 156   | 3553     | 3.762     | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 27274    | 106.442   | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

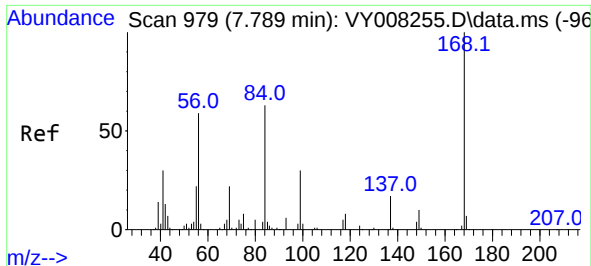
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041122\  
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ALS Vial : 16 Sample Multiplier: 1

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Quant Time: Apr 12 06:59:22 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 08 16:02:50 2022  
Response via : Initial Calibration

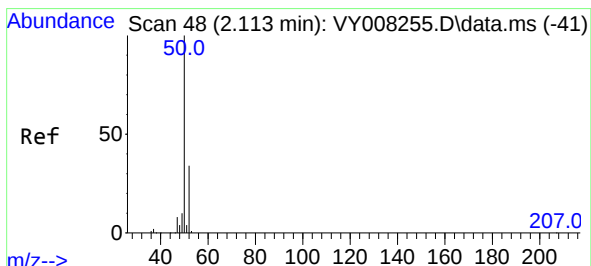
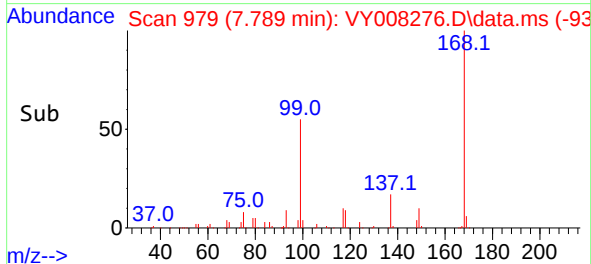
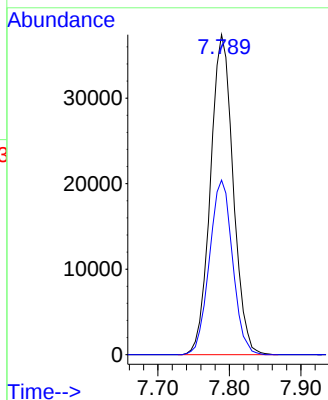
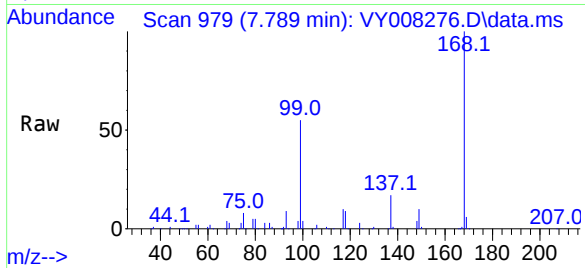




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

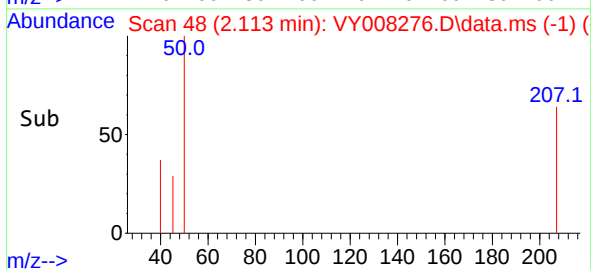
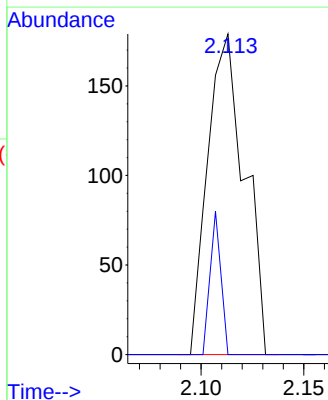
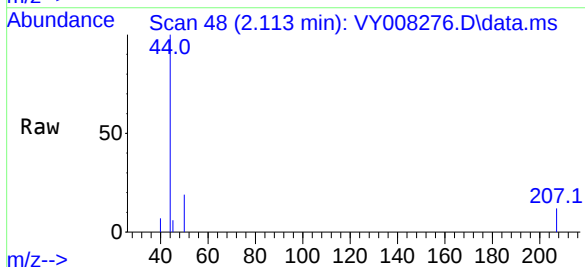
Instrument :  
MSVOA\_Y  
ClientSampleId :

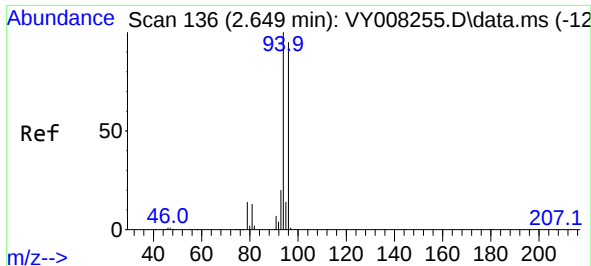
Tgt Ion:168 Resp: 82539  
Ion Ratio Lower Upper  
168 100  
99 54.6 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

Tgt Ion: 50 Resp: 224  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.6 37.0#

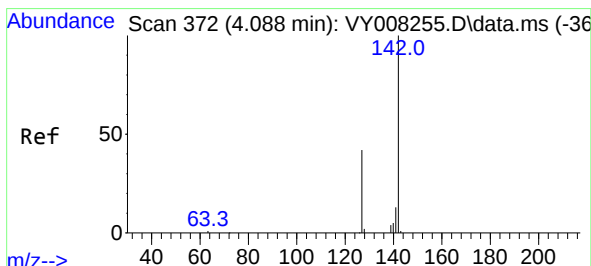
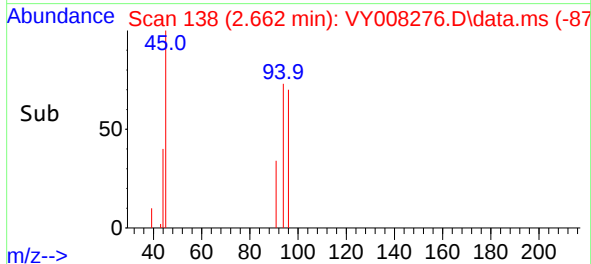
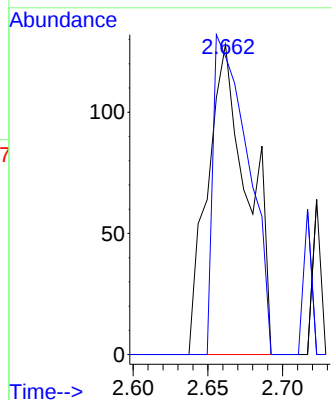
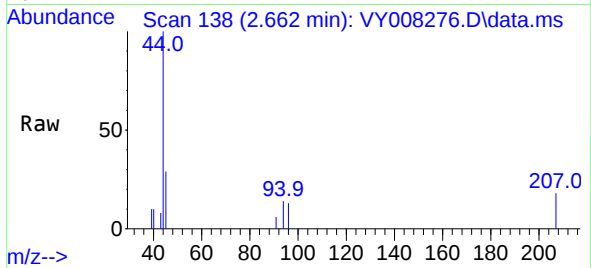




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

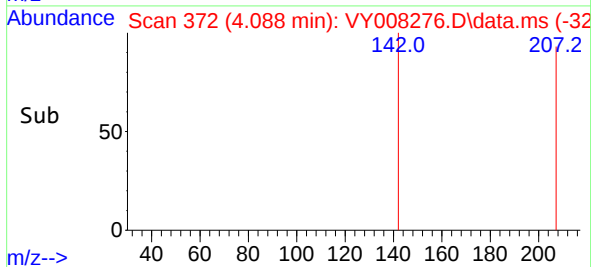
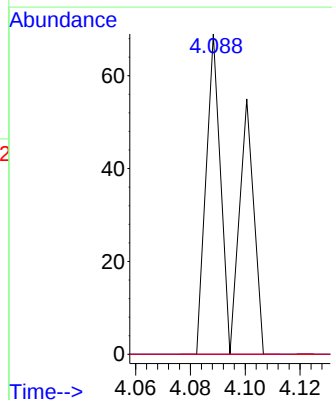
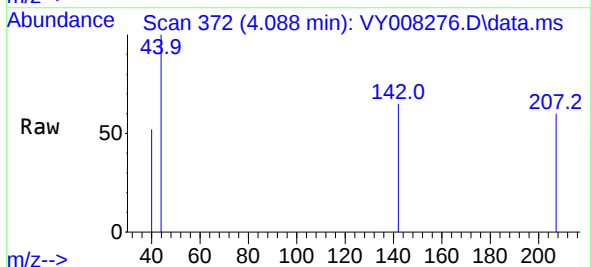
Instrument :  
MSVOA\_Y  
ClientSampleId :

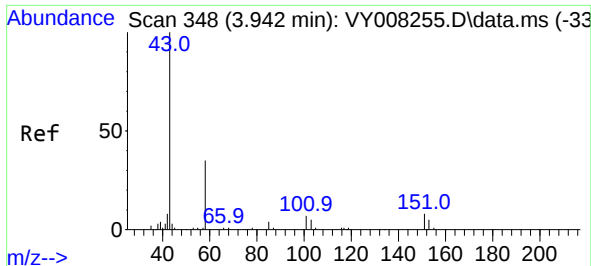
Tgt Ion: 94 Resp: 240  
Ion Ratio Lower Upper  
94 100  
96 96.1 73.5 110.3



#10  
Methyl Iodide  
Concen: 2.434 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. 0.000 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

Tgt Ion:142 Resp: 45  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.5 62.3#  
141 0.0 11.9 17.9#

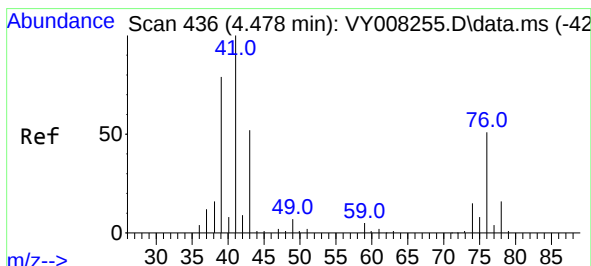
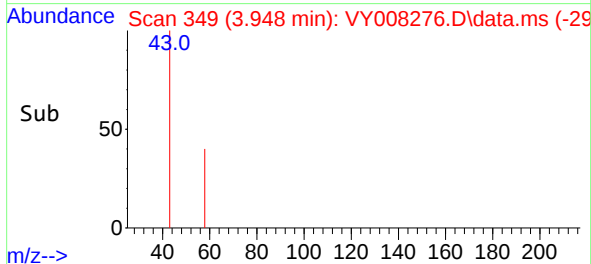
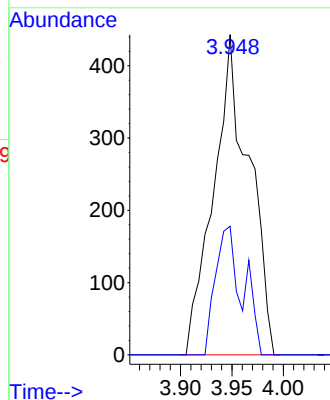
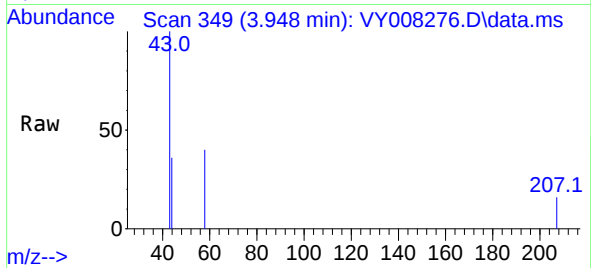




#16  
Acetone  
Concen: 5.711 ug/l  
RT: 3.948 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

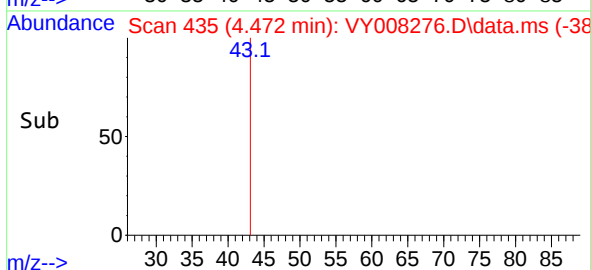
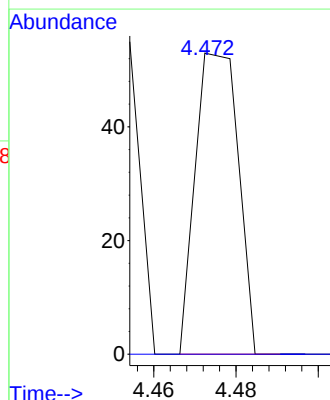
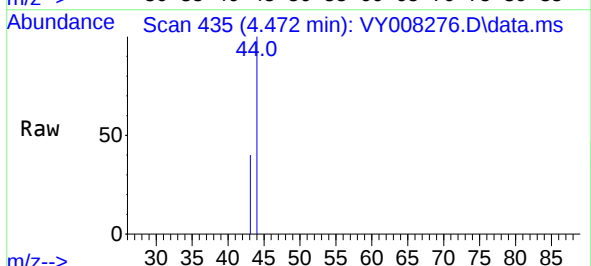
Instrument :  
MSVOA\_Y  
ClientSampleId :

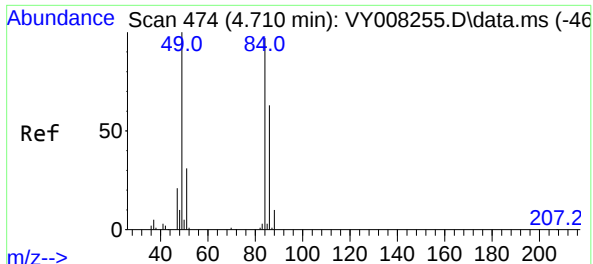
Tgt Ion: 43 Resp: 1065  
Ion Ratio Lower Upper  
43 100  
58 40.2 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.472 min Scan# 435  
Delta R.T. -0.006 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

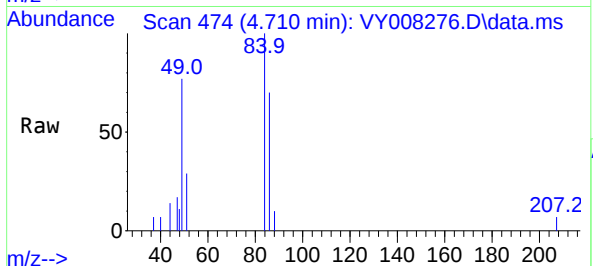
Tgt Ion: 43 Resp: 38  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#





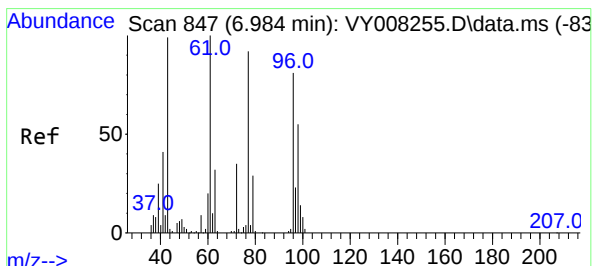
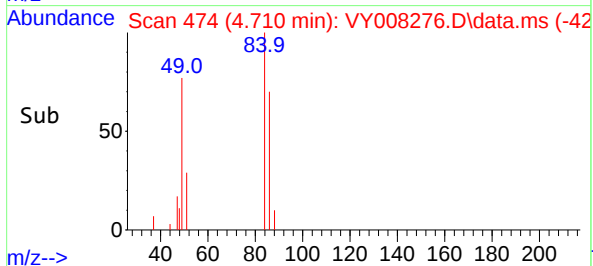
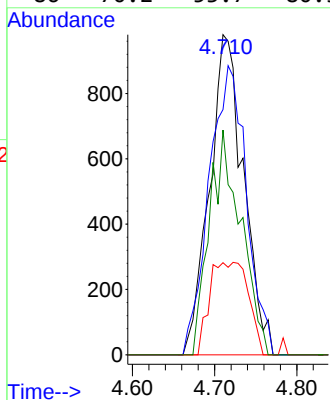
#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 2823

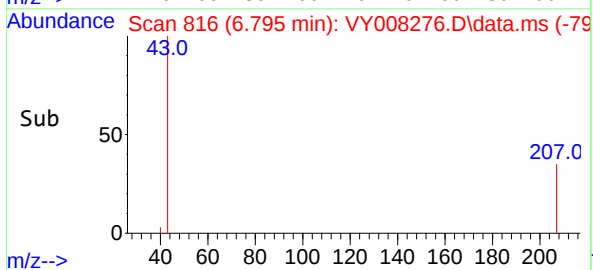
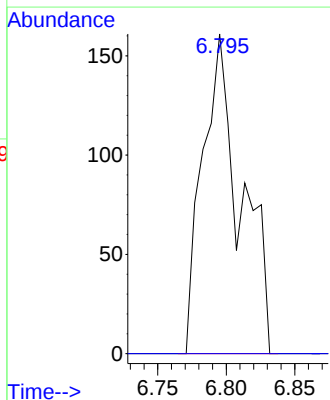
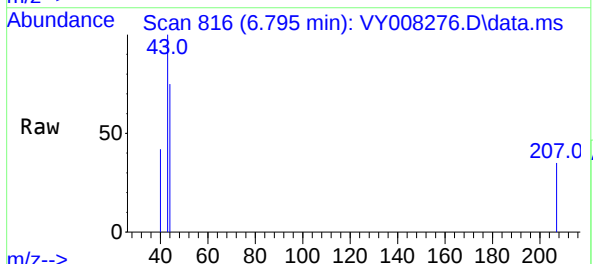
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 76.6  | 114.4 | 171.6# |
| 51  | 28.8  | 35.3  | 52.9#  |
| 86  | 70.2  | 53.7  | 80.5   |

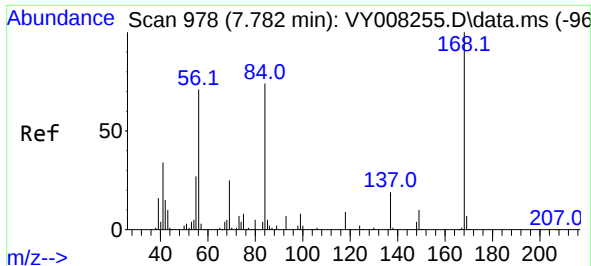


#25  
2-Butanone  
Concen: 1.073 ug/l  
RT: 6.795 min Scan# 816  
Delta R.T. -0.189 min  
Lab File: VY008276.D  
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Tgt Ion: 43 Resp: 313

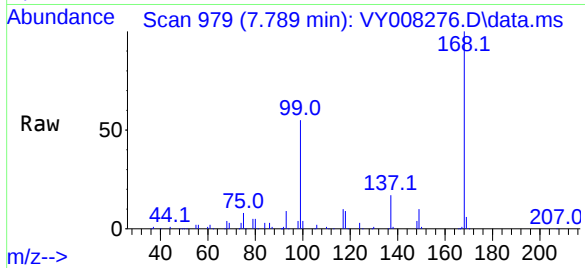
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 17.7  | 26.5# |



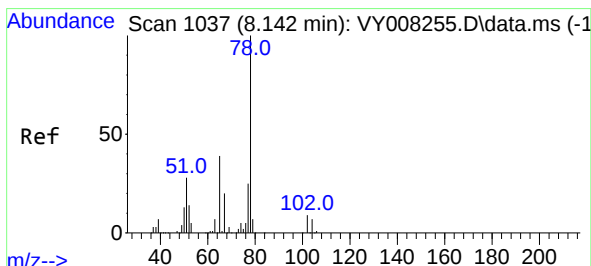
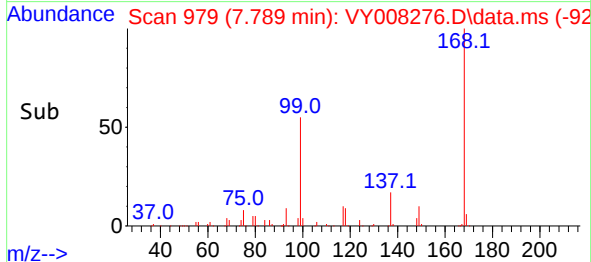
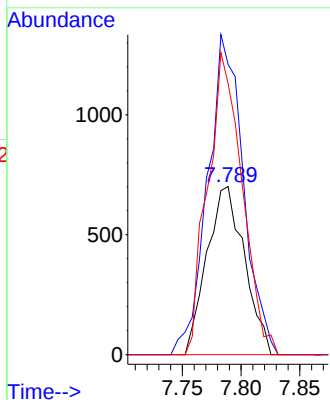


#31  
Cyclohexane  
Concen: 1.113 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.007 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

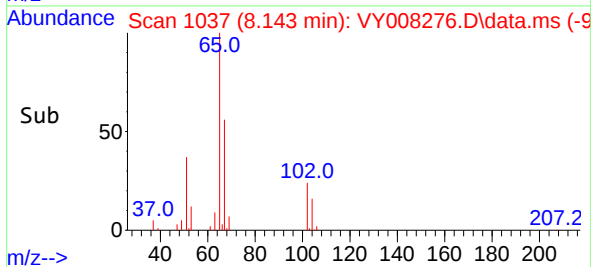
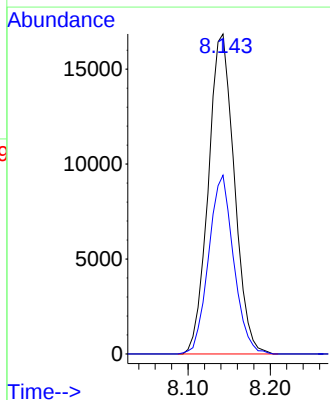
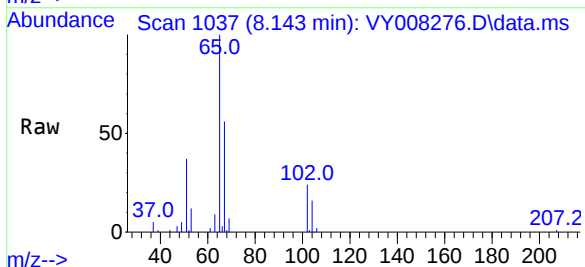


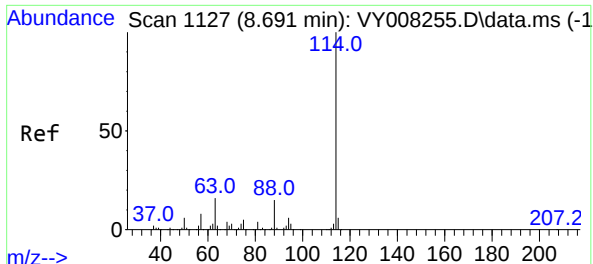
Tgt Ion: 56 Resp: 1560  
Ion Ratio Lower Upper  
56 100  
69 172.6 26.7 40.1#  
84 161.2 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 47.727 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

Tgt Ion: 65 Resp: 37003  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008276.D

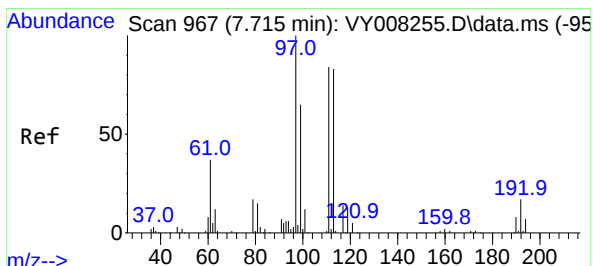
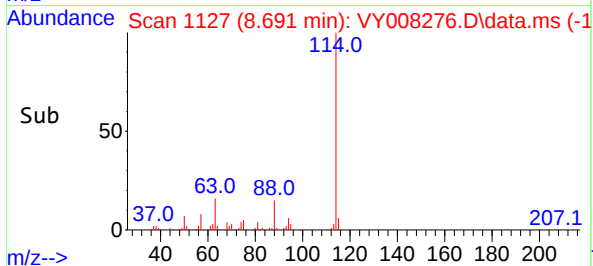
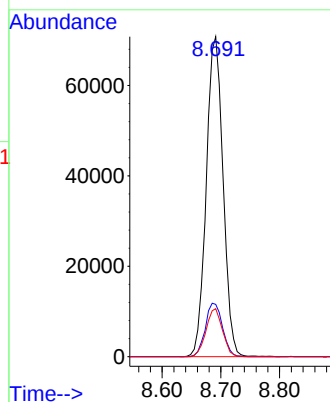
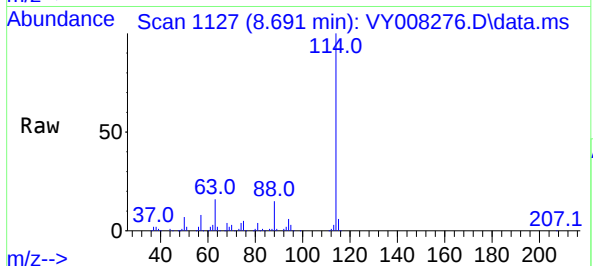
Acq: 11 Apr 2022 16:35

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 140450 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 16.3  | 0.0   | 43.2   |
| 88       | 15.0  | 0.0   | 31.8   |



#35

Dibromofluoromethane

Concen: 50.316 ug/l

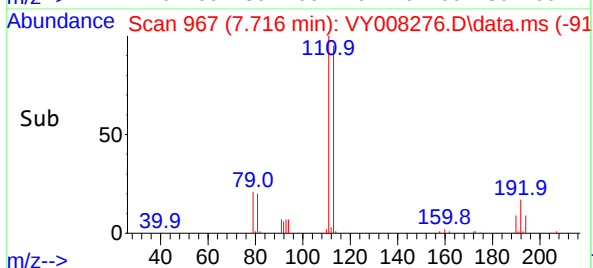
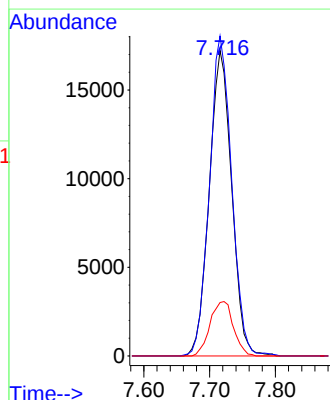
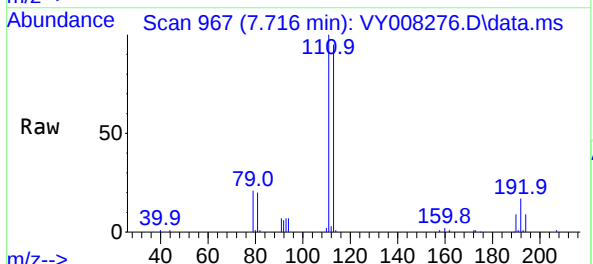
RT: 7.716 min Scan# 967

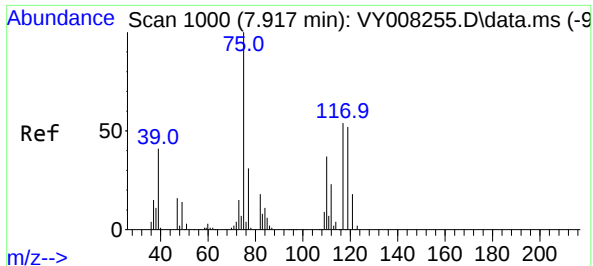
Delta R.T. 0.001 min

Lab File: VY008276.D

Acq: 11 Apr 2022 16:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 40817 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.1 | 82.6  | 124.0 |
| 192      | 18.6  | 17.6  | 26.4  |

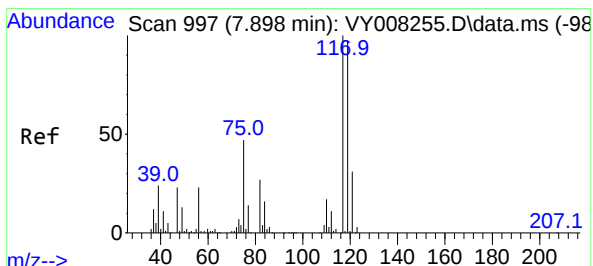
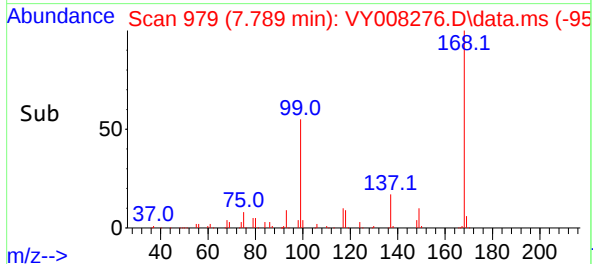
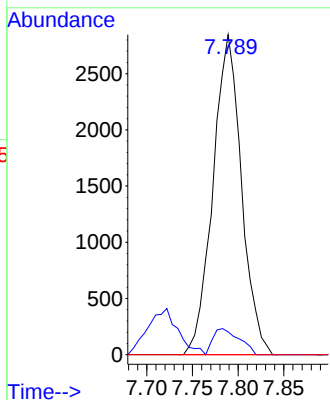
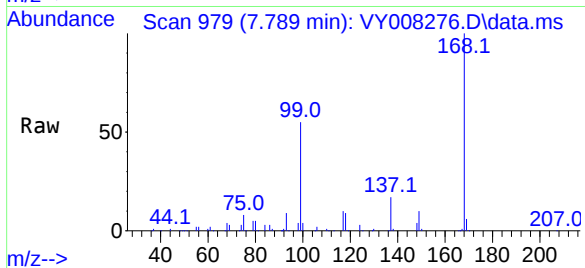




#36  
1,1-Dichloropropene  
Concen: 4.772 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

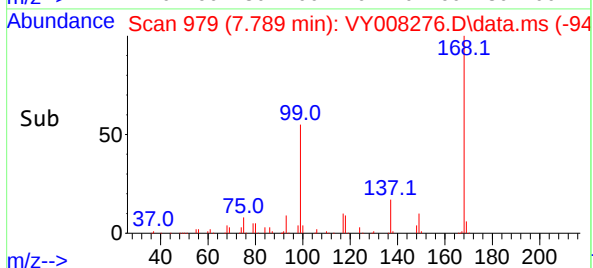
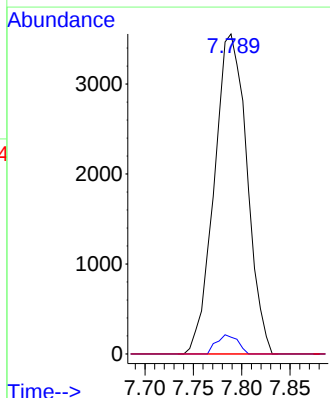
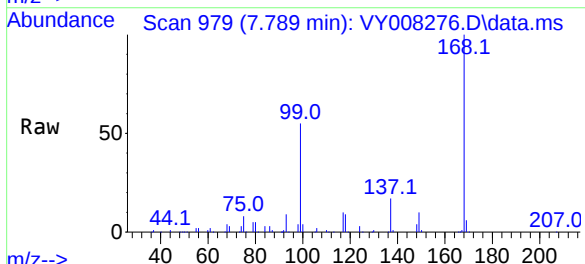
Instrument :  
MSVOA\_Y  
ClientSampleId :

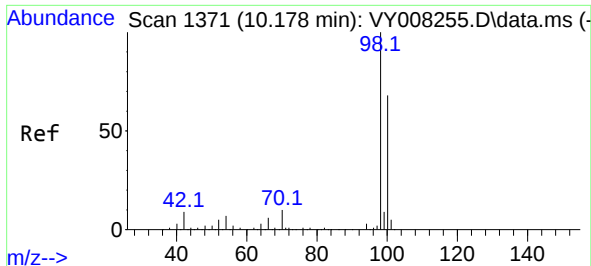
Tgt Ion: 75 Resp: 6181  
Ion Ratio Lower Upper  
75 100  
110 7.5 17.1 51.2#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 5.995 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.109 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

Tgt Ion: 117 Resp: 8354  
Ion Ratio Lower Upper  
117 100  
119 5.2 77.9 116.9#  
121 0.0 24.8 37.2#

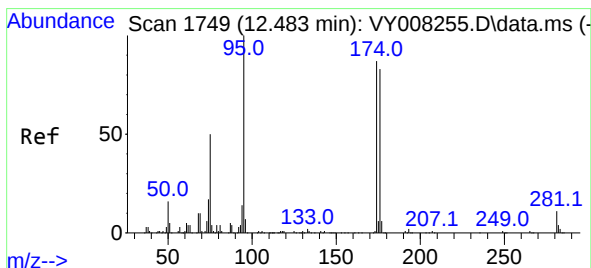
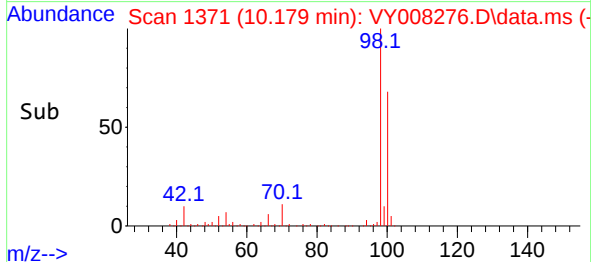
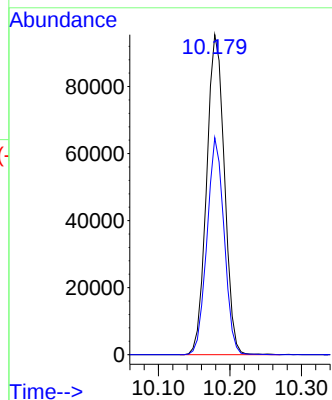
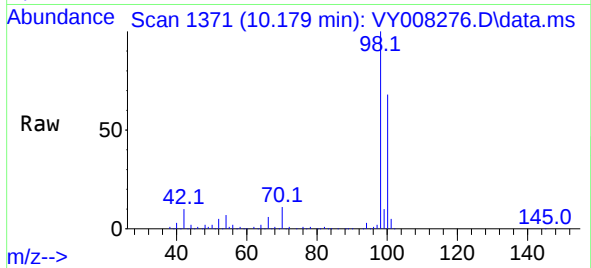




#50  
Toluene-d8  
Concen: 59.468 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

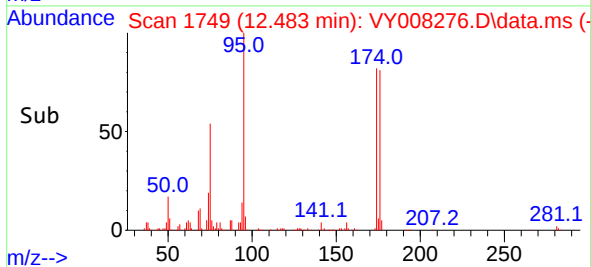
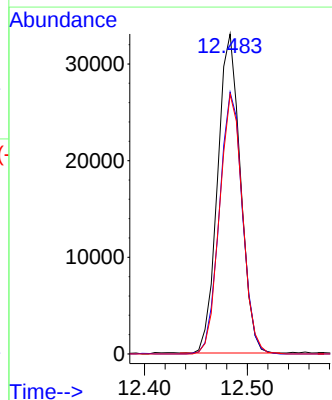
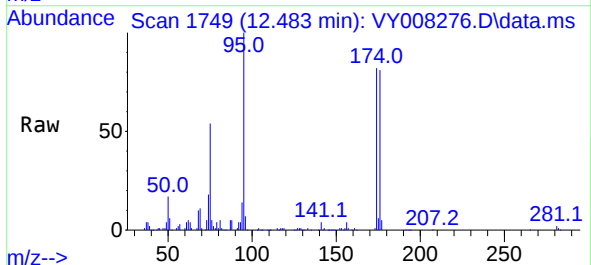
Instrument :  
MSVOA\_Y  
ClientSampleId :

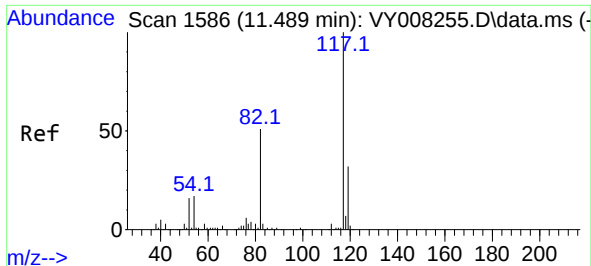
Tgt Ion: 98 Resp: 165072  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 48.724 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

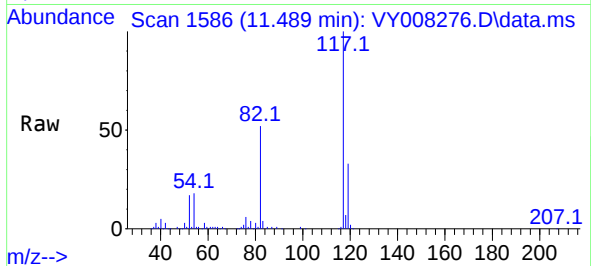
Tgt Ion: 95 Resp: 50870  
Ion Ratio Lower Upper  
95 100  
174 82.6 0.0 177.0  
176 81.6 0.0 175.8



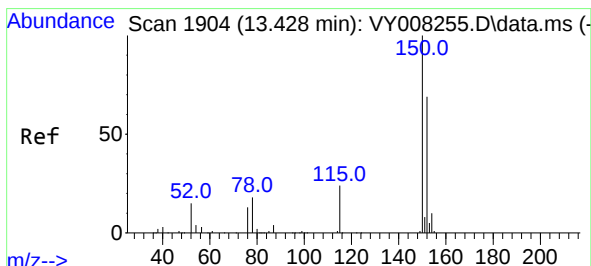
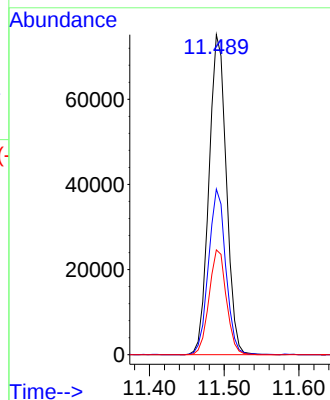
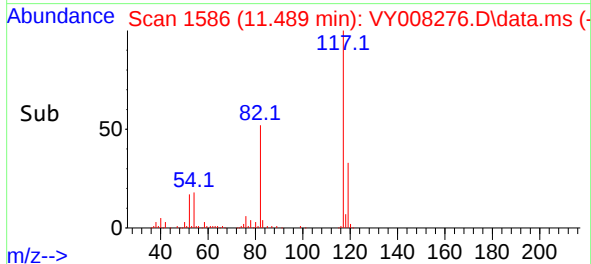


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

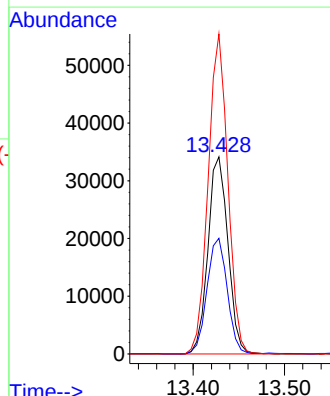
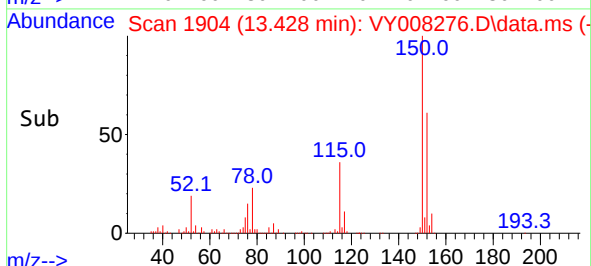
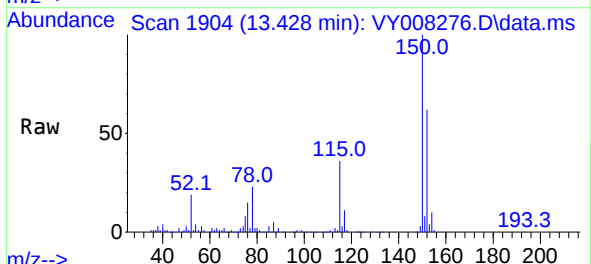


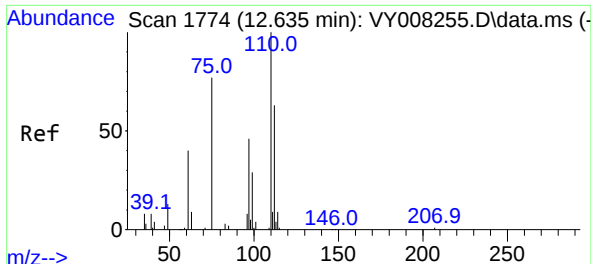
Tgt Ion:117 Resp: 121237  
Ion Ratio Lower Upper  
117 100  
82 51.8 43.0 64.4  
119 32.7 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

Tgt Ion:152 Resp: 51838  
Ion Ratio Lower Upper  
152 100  
115 59.5 28.2 84.7  
150 159.5 0.0 347.6

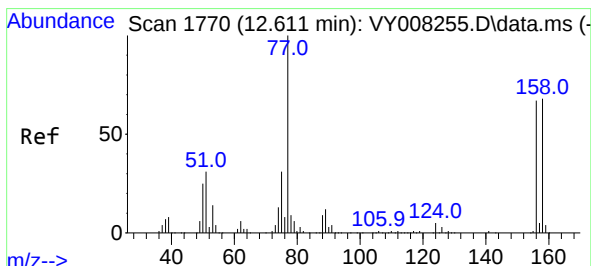
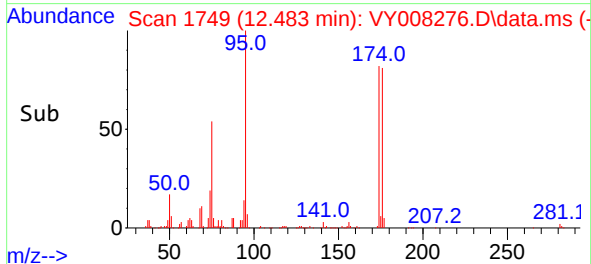
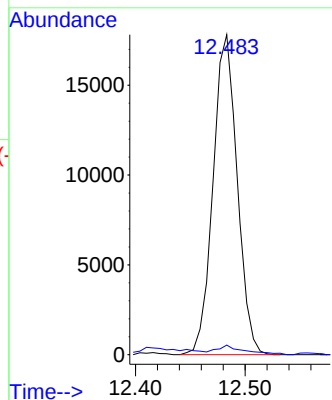
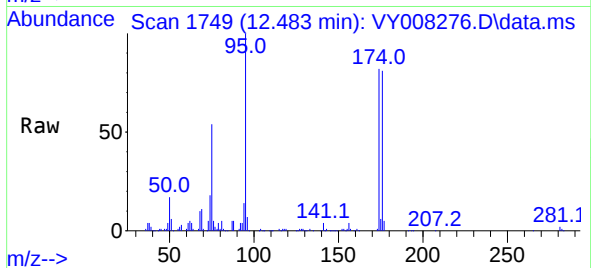




#76  
1,2,3-Trichloropropane  
Concen: 47.572 ug/l  
RT: 12.483 min Scan# 1733  
Delta R.T. -0.152 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

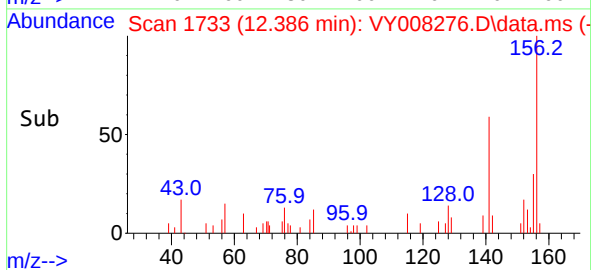
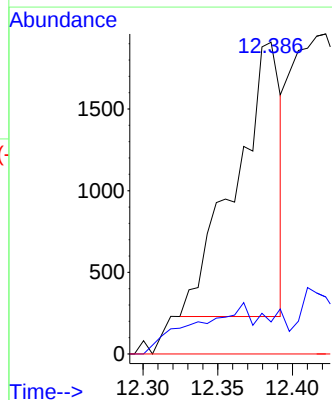
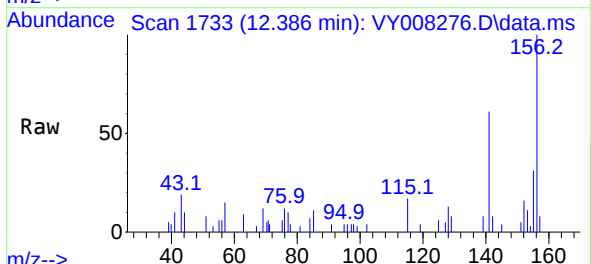
Instrument :  
MSVOA\_Y  
ClientSampleId :

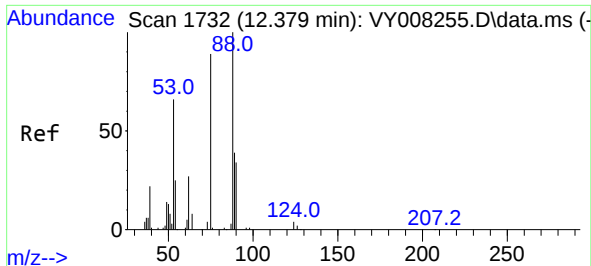
Tgt Ion: 75 Resp: 27274  
Ion Ratio Lower Upper  
75 100  
77 3.4 0.0 0.0#



#77  
Bromobenzene  
Concen: 3.762 ug/l  
RT: 12.386 min Scan# 1733  
Delta R.T. -0.225 min  
Lab File: VY008276.D  
Acq: 11 Apr 2022 16:35

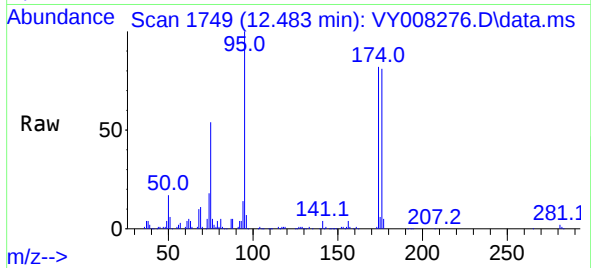
Tgt Ion:156 Resp: 3553  
Ion Ratio Lower Upper  
156 100  
77 2.6 95.5 286.4#  
158 0.0 48.0 144.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 106.442 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY008276.D  
 Acq: 11 Apr 2022 16:35

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 27274  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.0 37.0 55.4#

