

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012023\  
 Data File : VY012299.D  
 Acq On : 20 Jan 2023 18:33  
 Operator : KP/MD  
 Sample : 01232-09  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-P-35B

Quant Time: Jan 23 02:24:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

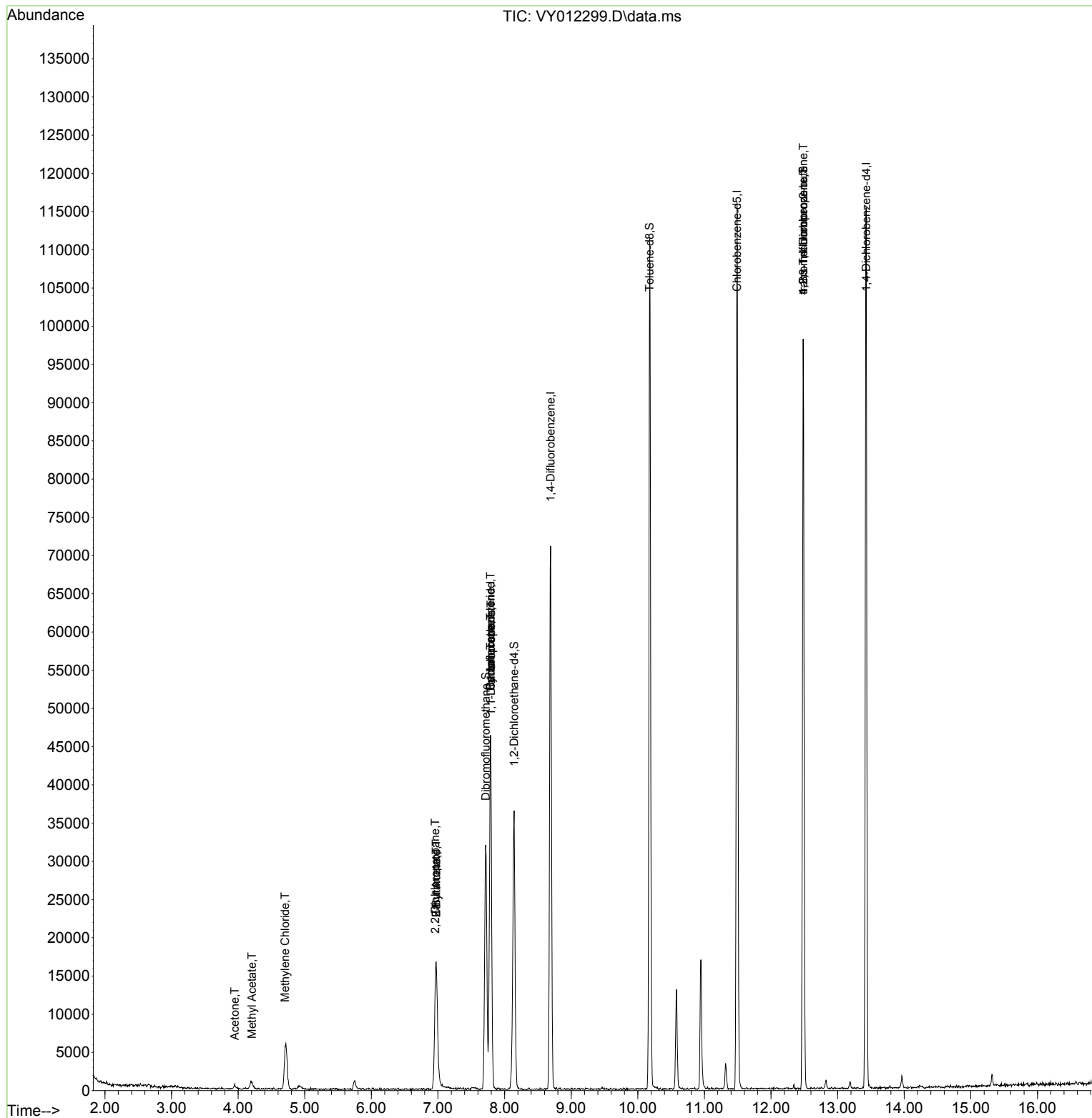
| Compound                      | R.T. QIon |       | Response | Conc      | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|-------------|----------|
| -----                         |           |       |          |           |             |          |
| Internal Standards            |           |       |          |           |             |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 37522    | 50.000    | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 64399    | 50.000    | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 69318    | 50.000    | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 33340    | 50.000    | ug/l        | 0.00     |
| System Monitoring Compounds   |           |       |          |           |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65    | 28941    | 96.728    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 193.460%# |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 22145    | 64.943    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 129.880%  |          |
| 50) Toluene-d8                | 10.179    | 98    | 77406    | 66.988    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 133.980%  |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 27205    | 56.595    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 113.200%  |          |
| Target Compounds              |           |       |          |           |             |          |
|                               |           |       |          |           | Qvalue      |          |
| 11) Tert butyl alcohol        | 4.917     | 59    | 250      | Below Cal | #           | 74       |
| 16) Acetone                   | 3.948     | 43    | 742      | 7.102     | ug/l #      | 66       |
| 18) Methyl Acetate            | 4.204     | 43    | 333      | 1.424     | ug/l #      | 50       |
| 20) Methylene Chloride        | 4.704     | 84    | 5012     | 4.179     | ug/l #      | 83       |
| 25) 2-Butanone                | 6.972     | 43    | 695      | 6.025     | ug/l #      | 46       |
| 26) 2,2-Dichloropropane       | 6.960     | 77    | 1303     | 2.037     | ug/l #      | 53       |
| 31) Cyclohexane               | 7.789     | 56    | 641      | 1.172     | ug/l #      | 45       |
| 36) 1,1-Dichloropropene       | 7.795     | 75    | 2568     | 4.431     | ug/l #      | 48       |
| 37) Ethyl Acetate             | 6.972     | 43    | 695      | 2.720     | ug/l #      | 27       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 3668     | 4.901     | ug/l #      | 18       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 13719    | 44.749    | ug/l #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 13719    | 92.204    | ug/l #      | 13       |
| -----                         |           |       |          |           |             |          |

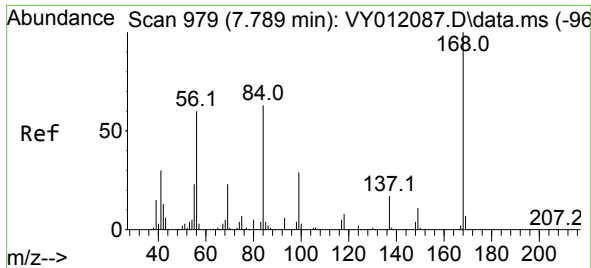
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012023\  
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Sample : 01232-09  
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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P-35B

Quant Time: Jan 23 02:24:29 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration

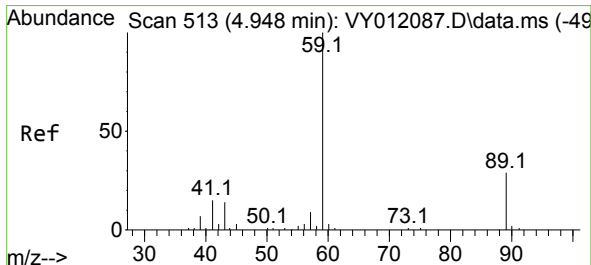
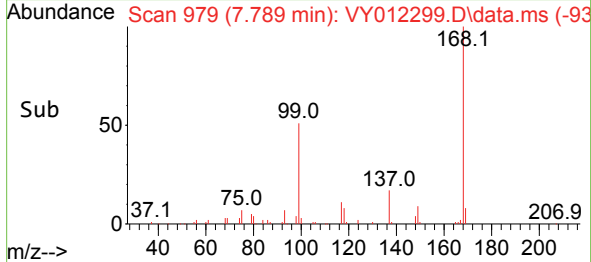
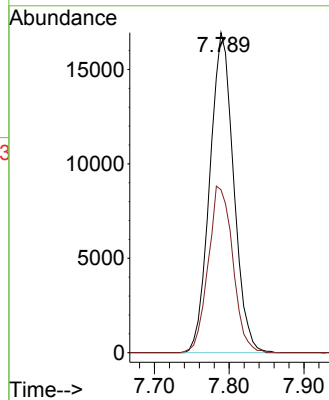
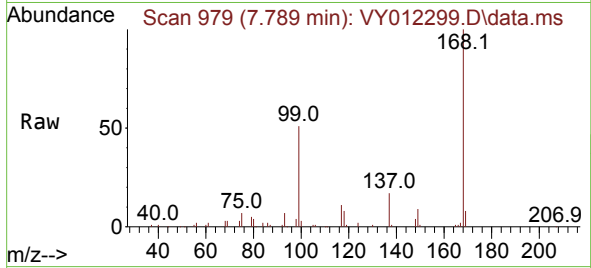




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

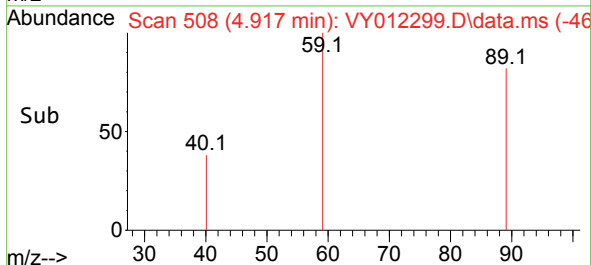
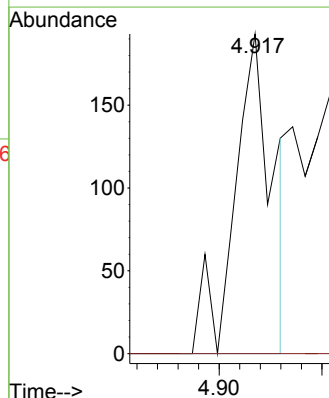
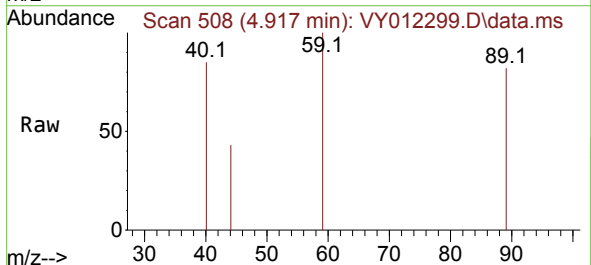
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P-35B

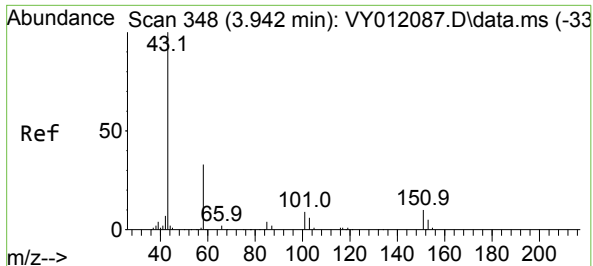
Tgt Ion:168 Resp: 37522  
Ion Ratio Lower Upper  
168 100  
99 50.9 44.0 66.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.917 min Scan# 508  
Delta R.T. -0.031 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

Tgt Ion: 59 Resp: 250  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

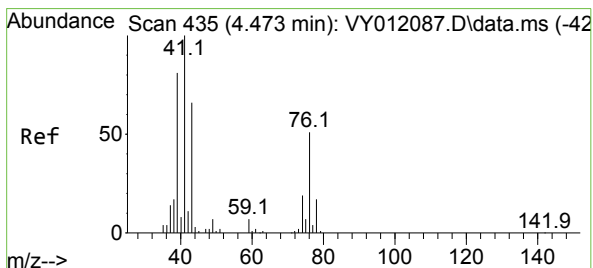
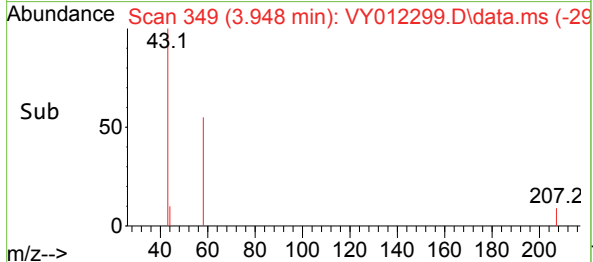
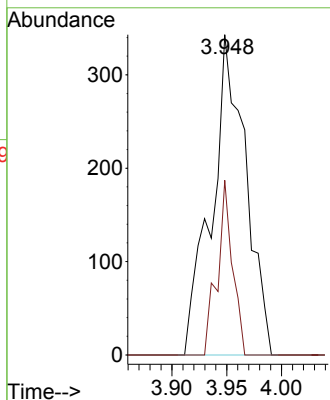
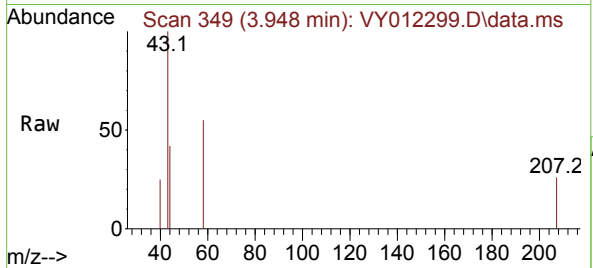




#16  
Acetone  
Concen: 7.102 ug/l  
RT: 3.948 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

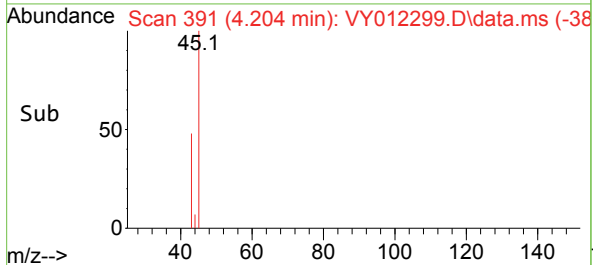
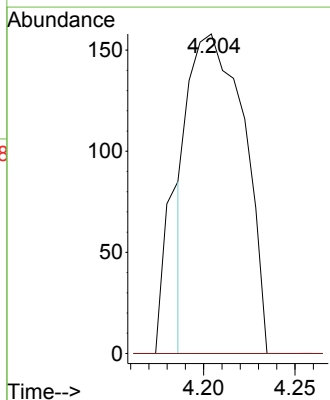
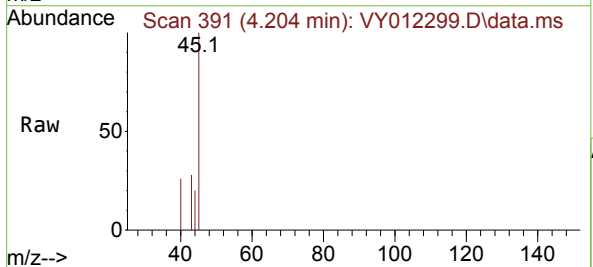
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P-35B

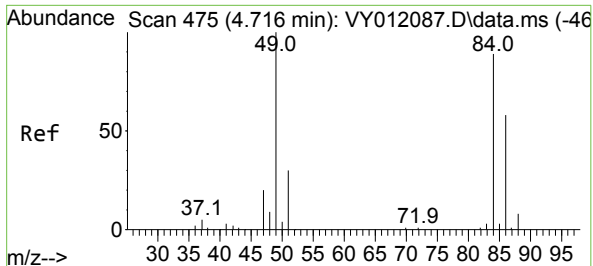
Tgt Ion: 43 Resp: 742  
Ion Ratio Lower Upper  
43 100  
58 54.5 27.9 41.9#



#18  
Methyl Acetate  
Concen: 1.424 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. -0.269 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

Tgt Ion: 43 Resp: 333  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.1 30.1#

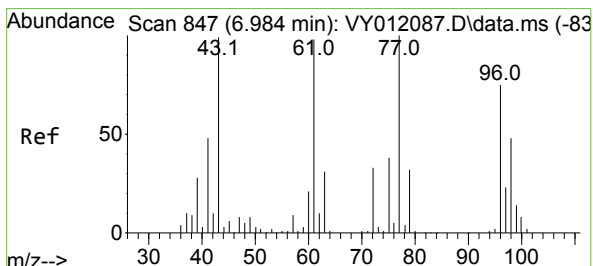
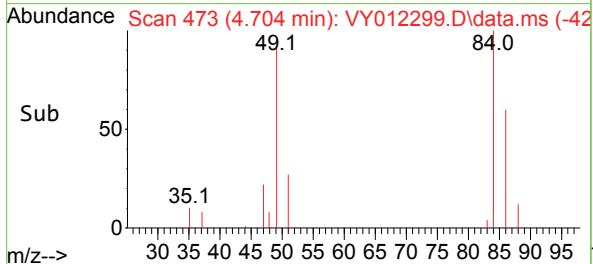
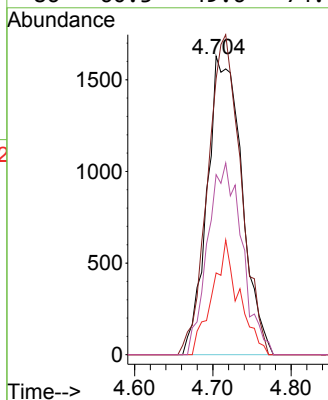
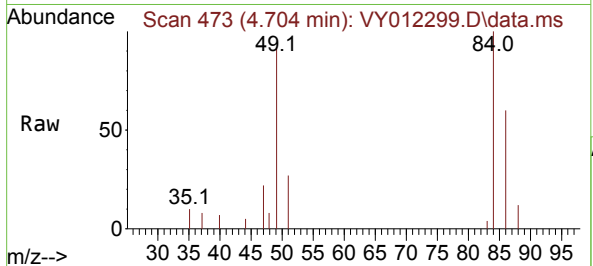




#20  
Methylene Chloride  
Concen: 4.179 ug/l  
RT: 4.704 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

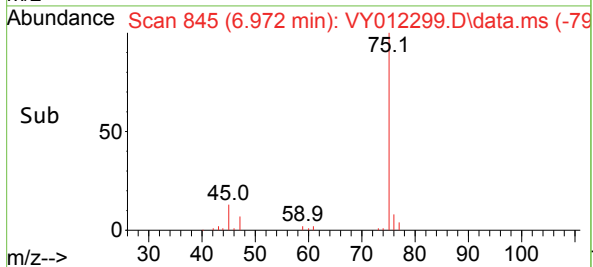
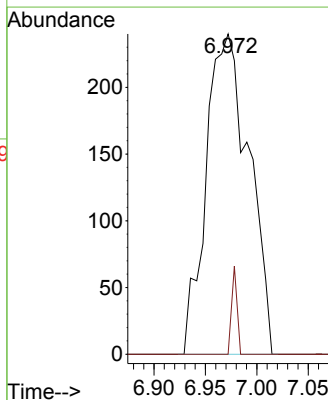
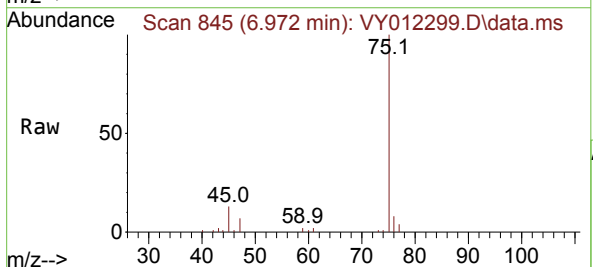
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P-35B

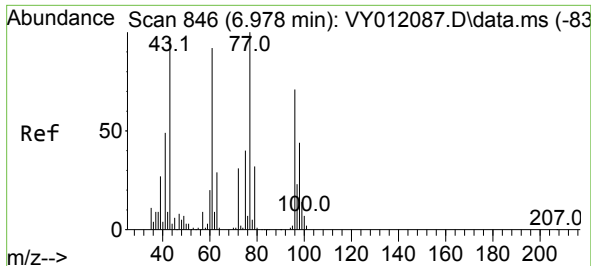
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 5012  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 92.4     | 95.4 143.2# |
| 51 27.4     | 29.9 44.9#  |
| 86 60.3     | 49.6 74.4   |



#25  
2-Butanone  
Concen: 6.025 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 43 | Resp: | 695   |       |
| Ion         | Ratio | Lower | Upper |
| 43          | 100   |       |       |
| 72          | 0.0   | 22.6  | 34.0# |





#26

2,2-Dichloropropane

Concen: 2.037 ug/l

RT: 6.960 min Scan# 846

Delta R.T. -0.018 min

Lab File: VY012299.D

Acq: 20 Jan 2023 18:33

Instrument :

MSVOA\_Y

ClientSampleId :

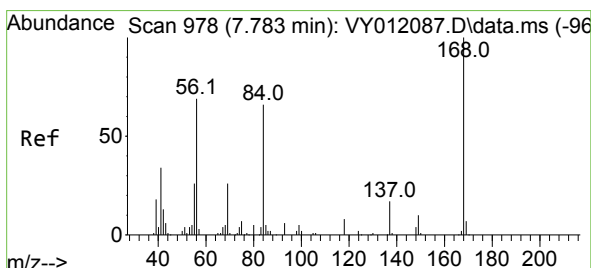
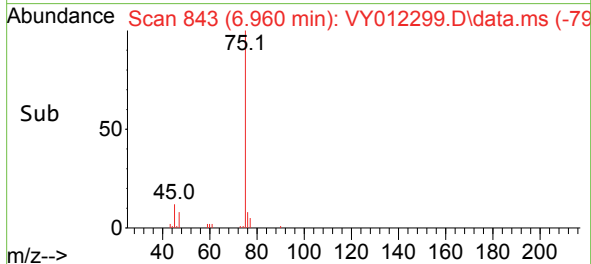
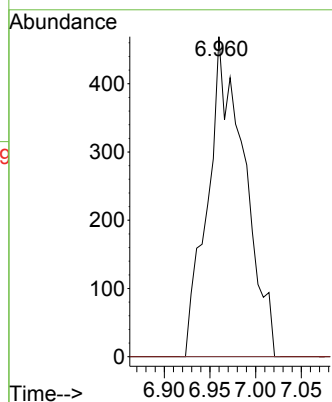
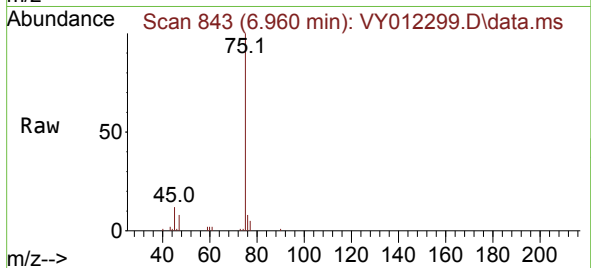
B-P-35B

Tgt Ion: 77 Resp: 1303

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012299.D

Acq: 20 Jan 2023 18:33

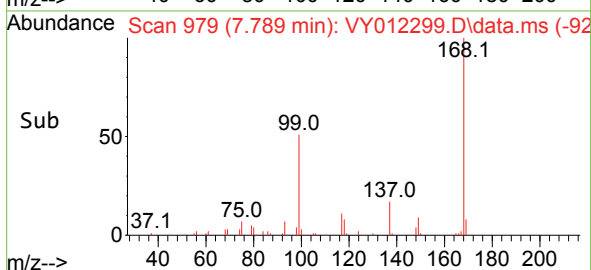
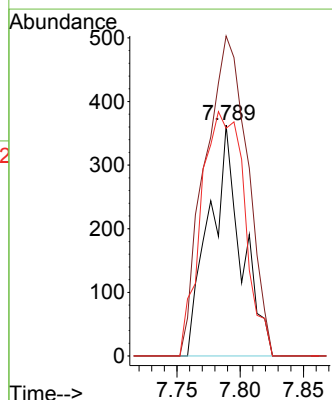
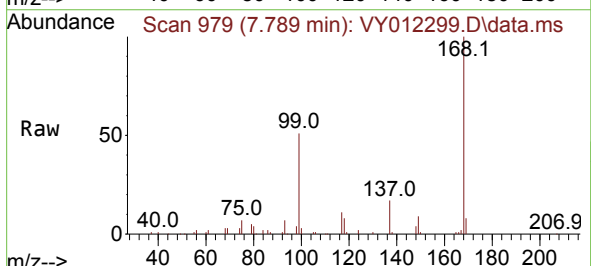
Tgt Ion: 56 Resp: 641

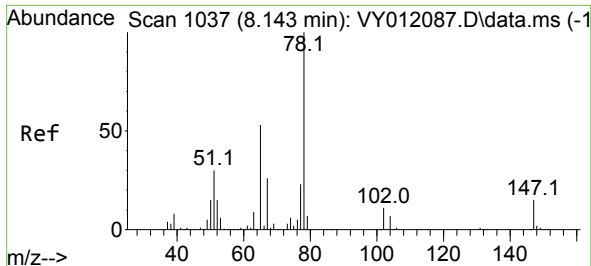
Ion Ratio Lower Upper

56 100

69 138.6 29.2 43.8#

84 98.6 72.6 108.8

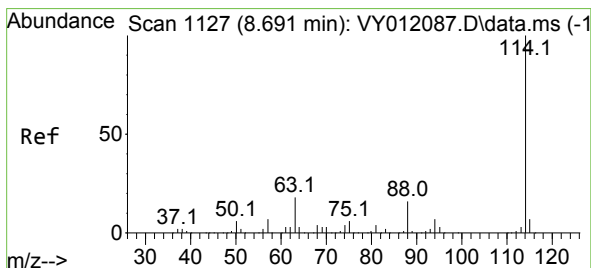
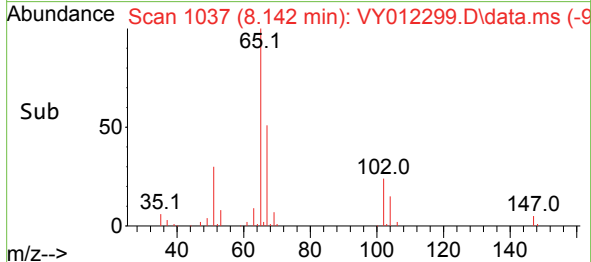
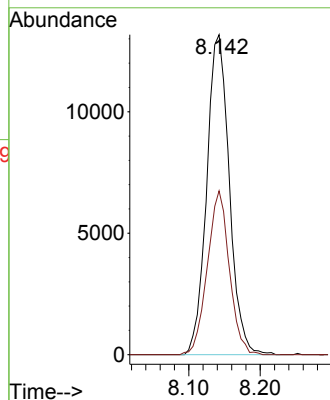
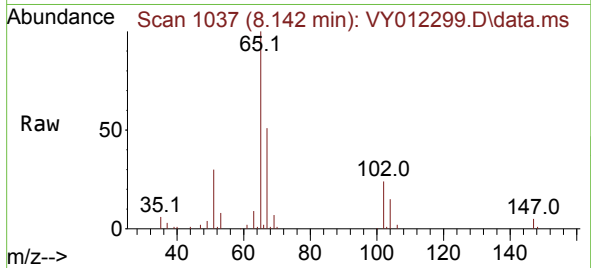




#33  
 1,2-Dichloroethane-d4  
 Concen: 96.728 ug/l  
 RT: 8.142 min Scan# 1037  
 Delta R.T. -0.001 min  
 Lab File: VY012299.D  
 Acq: 20 Jan 2023 18:33

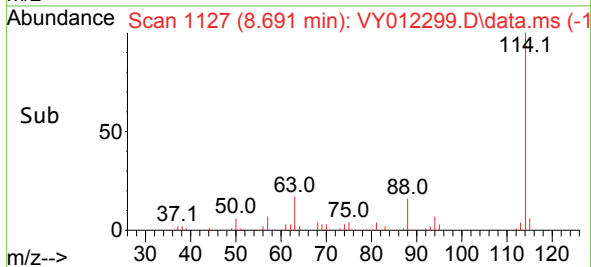
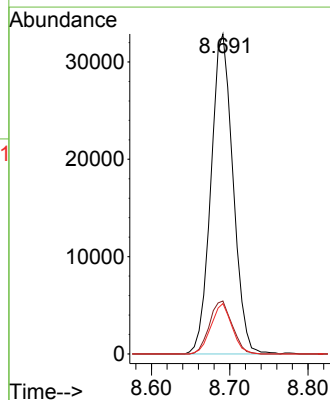
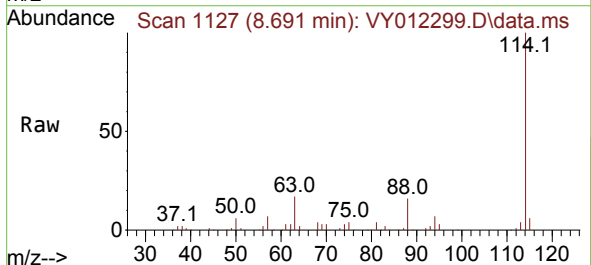
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 B-P-35B

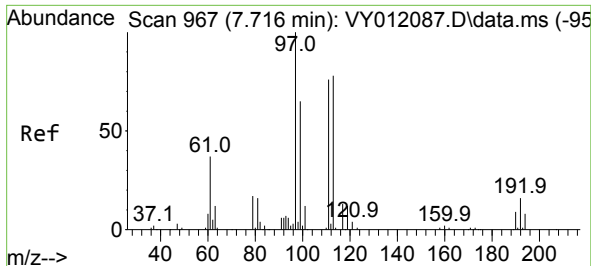
Tgt Ion: 65 Resp: 28941  
 Ion Ratio Lower Upper  
 65 100  
 67 49.8 0.0 103.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY012299.D  
 Acq: 20 Jan 2023 18:33

Tgt Ion:114 Resp: 64399  
 Ion Ratio Lower Upper  
 114 100  
 63 16.5 0.0 39.6  
 88 15.8 0.0 32.2

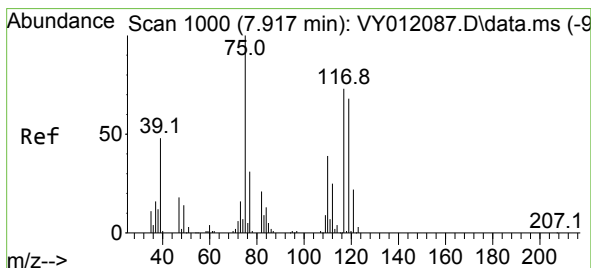
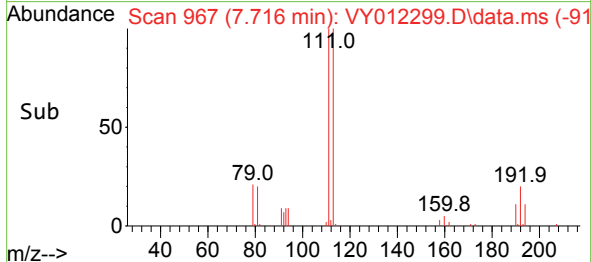
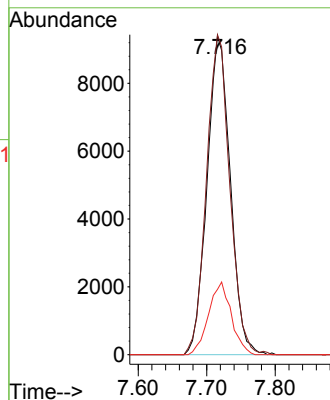
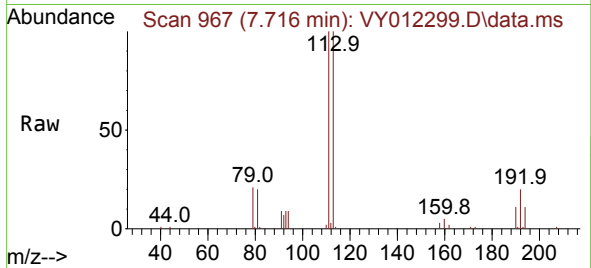




#35  
Dibromofluoromethane  
Concen: 64.943 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

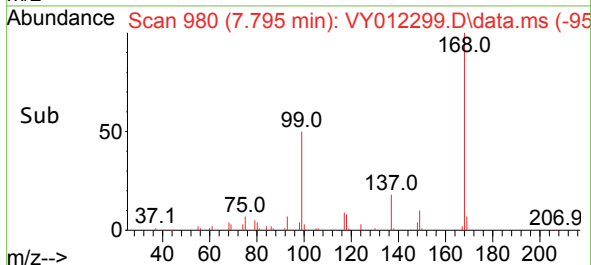
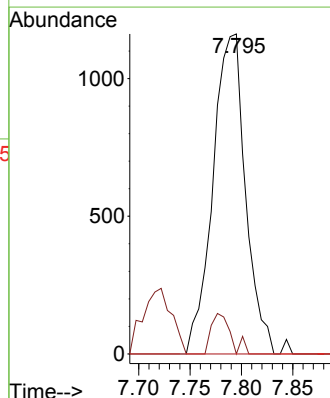
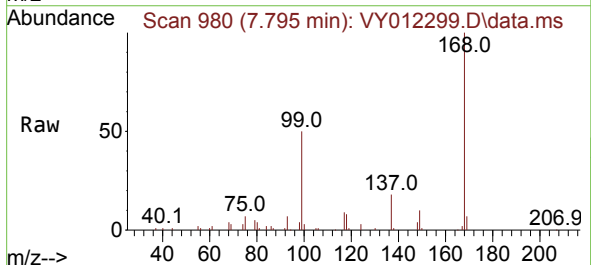
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P-35B

Tgt Ion:113 Resp: 22145  
Ion Ratio Lower Upper  
113 100  
111 100.6 83.0 124.4  
192 22.3 16.0 24.0

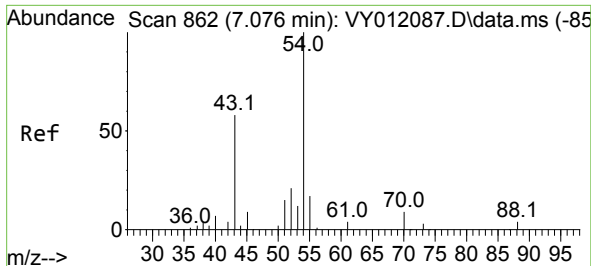


#36  
1,1-Dichloropropene  
Concen: 4.431 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.122 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

Tgt Ion: 75 Resp: 2568  
Ion Ratio Lower Upper  
75 100  
110 7.6 18.1 54.1#  
77 0.0 25.1 37.7#



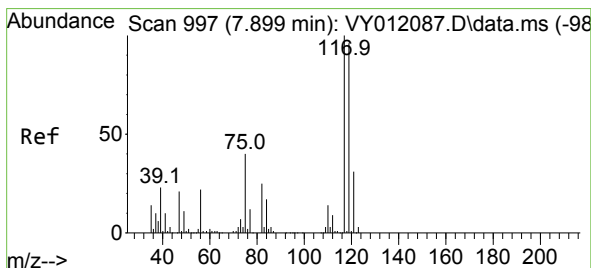
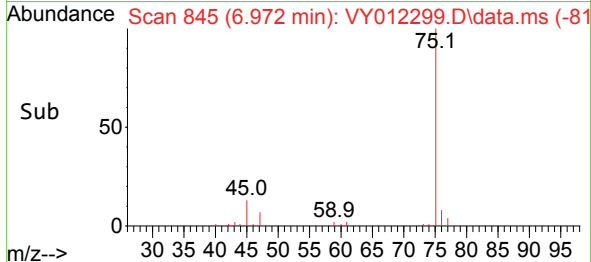
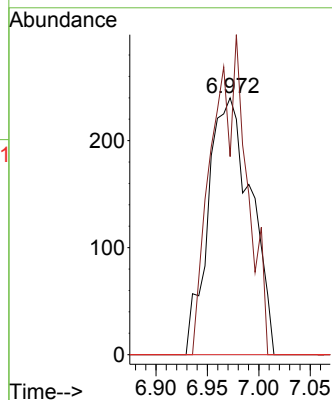
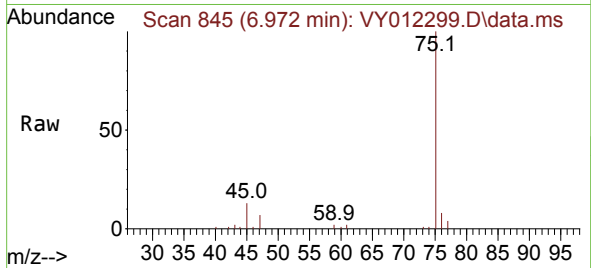




#37  
Ethyl Acetate  
Concen: 2.720 ug/l  
RT: 6.972 min Scan# 84  
Delta R.T. -0.104 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

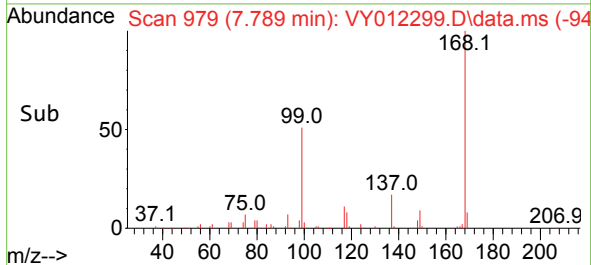
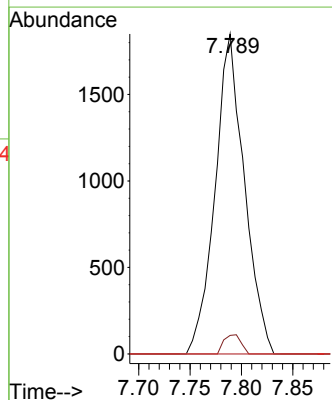
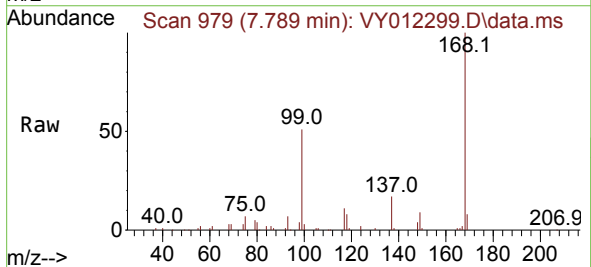
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P-35B

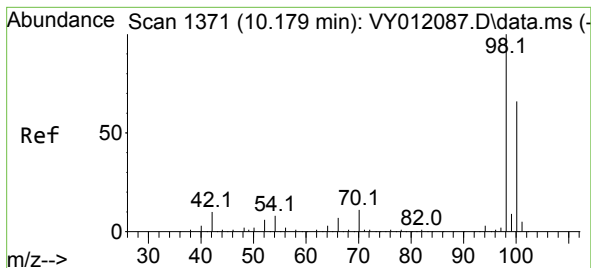
Tgt Ion: 43 Resp: 695  
Ion Ratio Lower Upper  
43 100  
61 57.6 11.3 16.9#  
70 0.0 8.2 12.4#



#38  
Carbon Tetrachloride  
Concen: 4.901 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.110 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

Tgt Ion: 117 Resp: 3668  
Ion Ratio Lower Upper  
117 100  
119 5.8 73.8 110.8#  
121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 66.988 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012299.D

Acq: 20 Jan 2023 18:33

Instrument :

MSVOA\_Y

ClientSampleId :

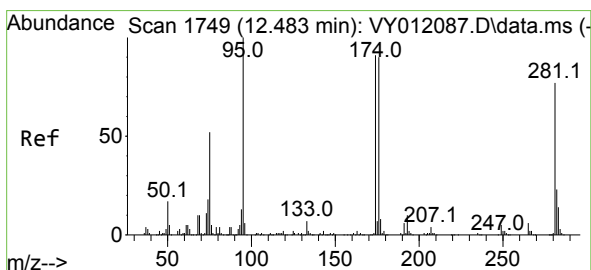
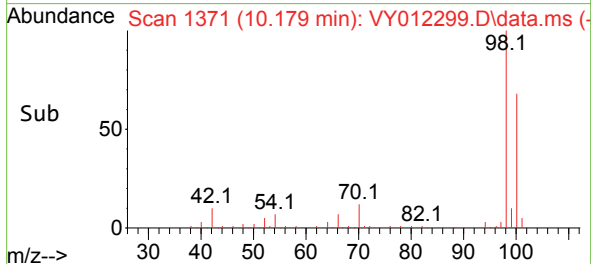
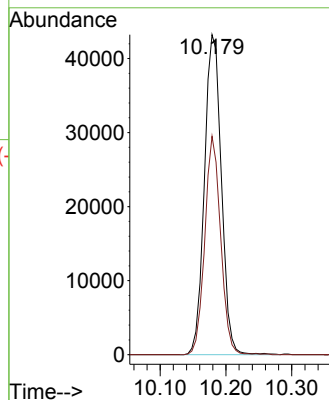
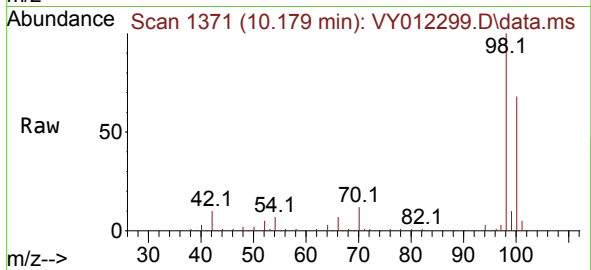
B-P-35B

Tgt Ion: 98 Resp: 77406

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 56.595 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012299.D

Acq: 20 Jan 2023 18:33

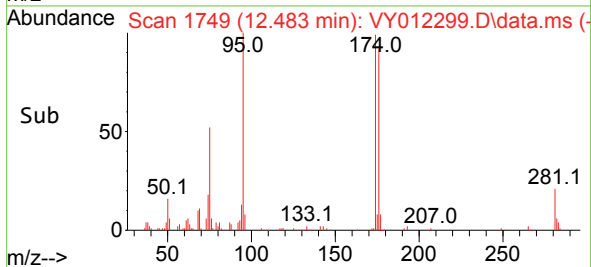
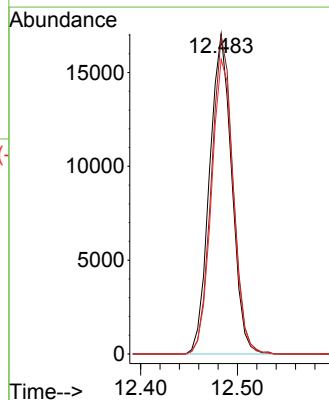
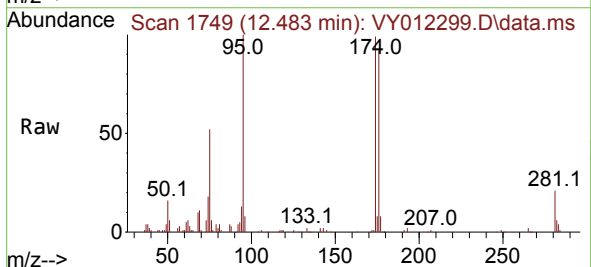
Tgt Ion: 95 Resp: 27205

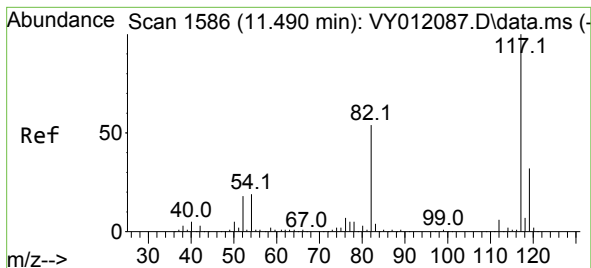
Ion Ratio Lower Upper

95 100

174 97.2 0.0 172.0

176 91.3 0.0 167.6

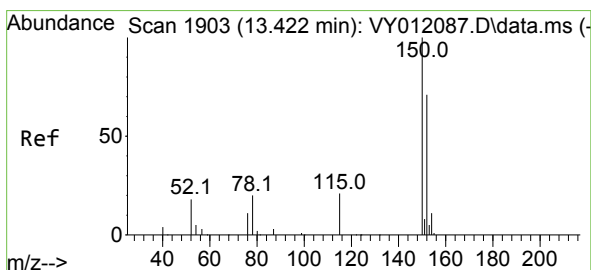
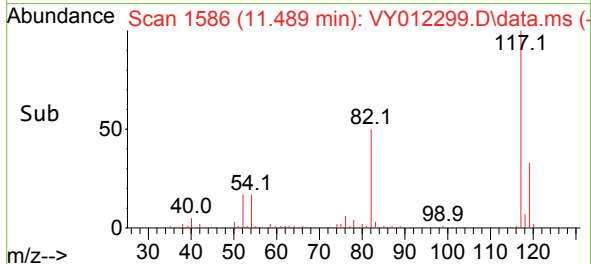
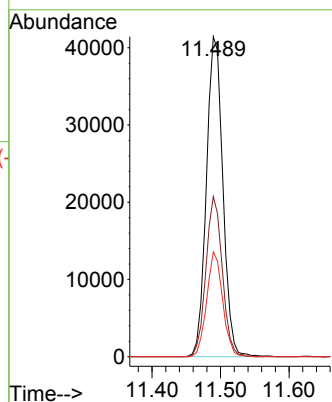
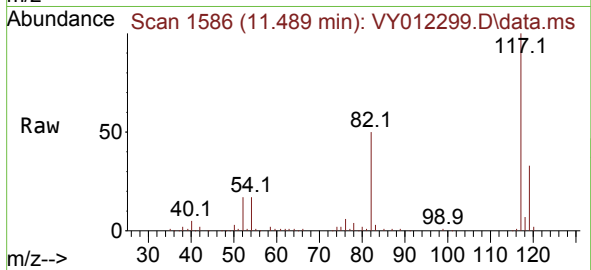




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

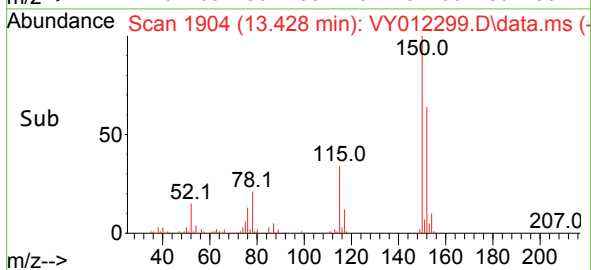
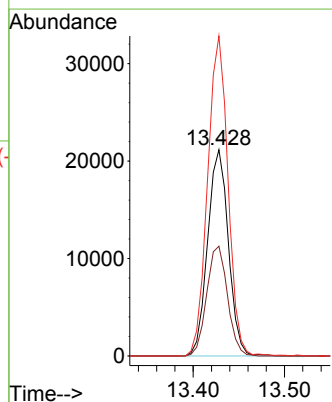
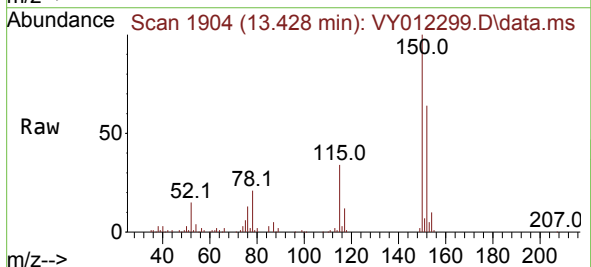
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P-35B

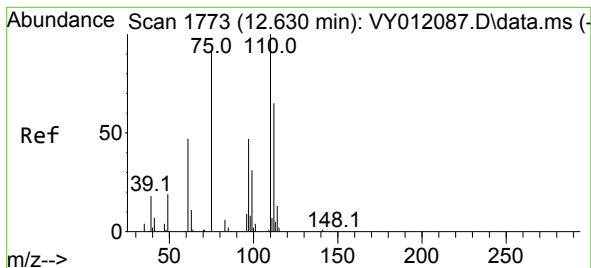
Tgt Ion:117 Resp: 69318  
Ion Ratio Lower Upper  
117 100  
82 50.0 44.8 67.2  
119 32.8 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY012299.D  
Acq: 20 Jan 2023 18:33

Tgt Ion:152 Resp: 33340  
Ion Ratio Lower Upper  
152 100  
115 53.3 29.1 87.3  
150 152.4 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 44.749 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012299.D

Acq: 20 Jan 2023 18:33

Instrument :

MSVOA\_Y

ClientSampleId :

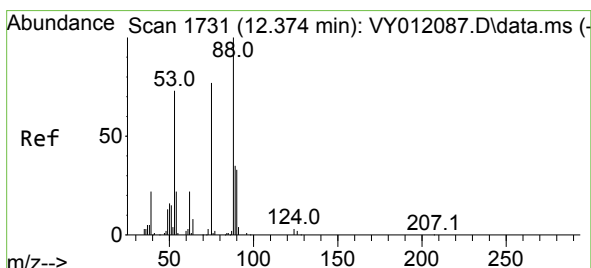
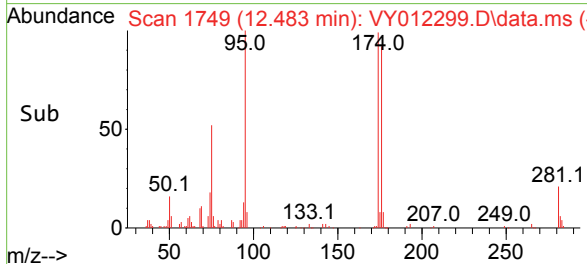
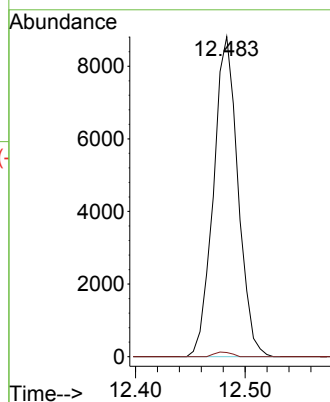
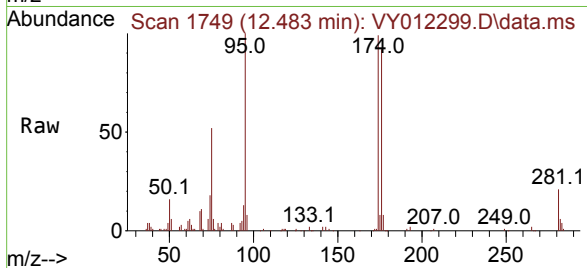
B-P-35B

Tgt Ion: 75 Resp: 13719

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.204 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY012299.D

Acq: 20 Jan 2023 18:33

Tgt Ion: 75 Resp: 13719

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.1 37.0 55.4#

