

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051922\  
 Data File : VY008900.D  
 Acq On : 20 May 2022 04:59  
 Operator : KP/MD  
 Sample : N2868-10  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 P017-SS006-0006-01

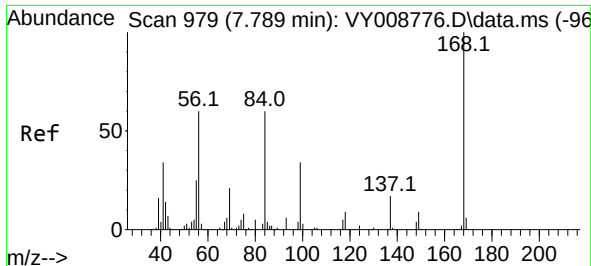
Quant Time: May 20 05:41:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 07:32:50 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 127749              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 230879              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 218898              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 93187               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136          | 65   | 86386               | 72.891    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 145.780% |           |        |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 75779               | 56.175    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 112.360% |           |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 293131              | 48.957    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 97.920%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 84813               | 40.358    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 80.720%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.900          | 85   | 627                 | Below Cal |        | 99       |
| 3) Chloromethane              | 2.107          | 50   | 118                 | Below Cal | #      | 44       |
| 4) Vinyl Chloride             | 2.241          | 62   | 79                  | Below Cal | #      | 43       |
| 5) Bromomethane               | 2.656          | 94   | 54                  | Below Cal | #      | 9        |
| 6) Chloroethane               | 2.759          | 64   | 28                  | Below Cal | #      | 43       |
| 7) Trichlorofluoromethane     | 3.125          | 101  | 54                  | Below Cal | #      | 21       |
| 16) Acetone                   | 3.936          | 43   | 173                 | Below Cal | #      | 47       |
| 20) Methylene Chloride        | 4.722          | 84   | 3349                | Below Cal | #      | 57       |
| 31) Cyclohexane               | 7.789          | 56   | 3130                | Below Cal | #      | 18       |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 10550               | 4.883     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 13372               | 5.775     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.179         | 43   | 1380                | 1.091     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 47979               | 44.572    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 47979               | 97.491    | ug/l # | 7        |
| -----                         |                |      |                     |           |        |          |

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

Quant Time: May 20 05:41:18 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051722S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 18 07:32:50 2022  
Response via : Initial Calibration

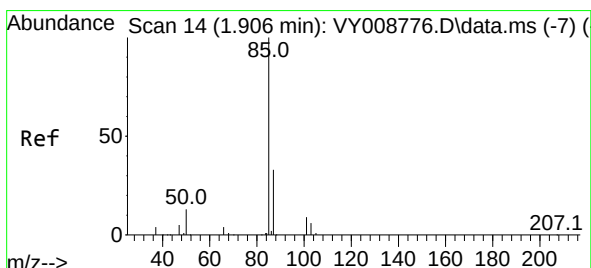
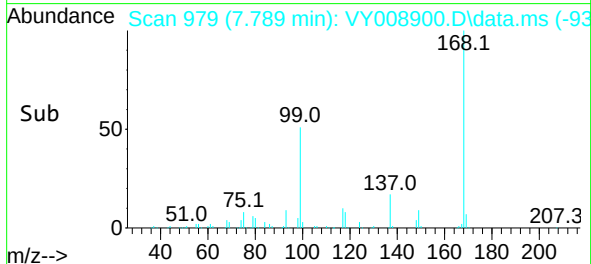
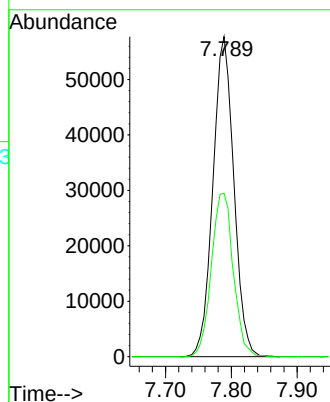
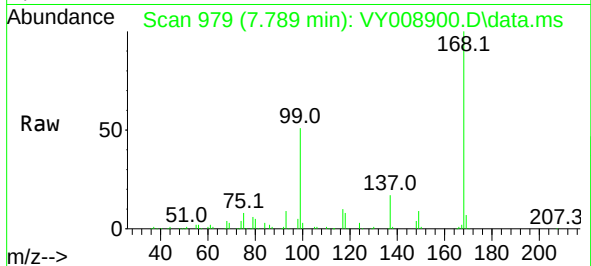




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

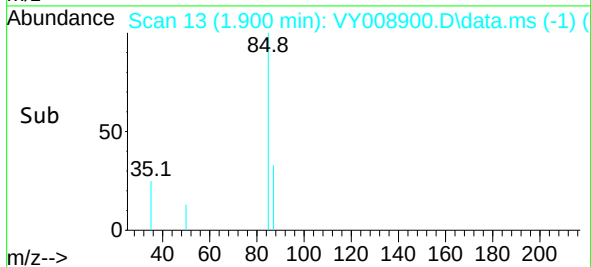
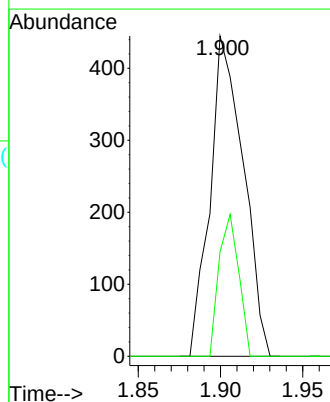
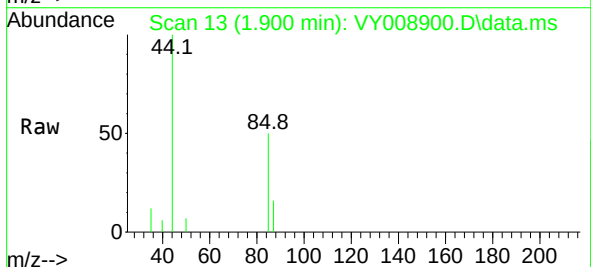
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS006-0006-01

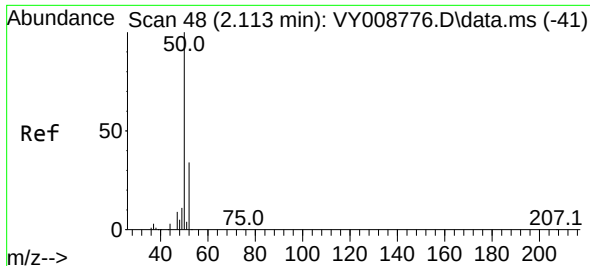
Tgt Ion:168 Resp: 127749  
Ion Ratio Lower Upper  
168 100  
99 51.1 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.900 min Scan# 13  
Delta R.T. -0.006 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

Tgt Ion: 85 Resp: 627  
Ion Ratio Lower Upper  
85 100  
87 32.6 16.1 48.2

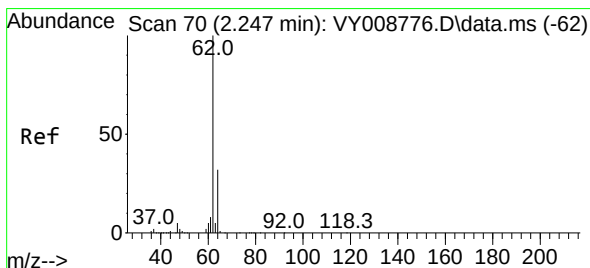
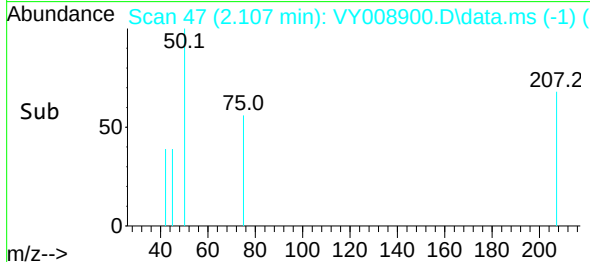
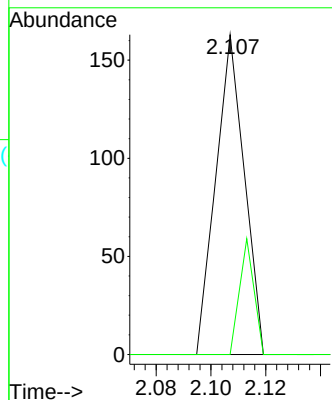
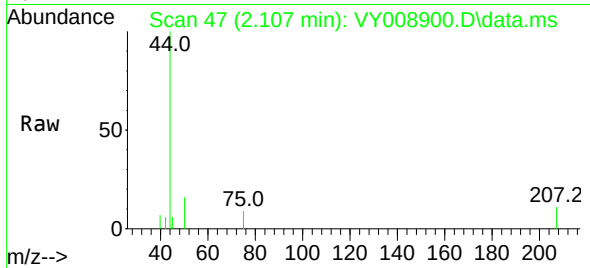




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.107 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

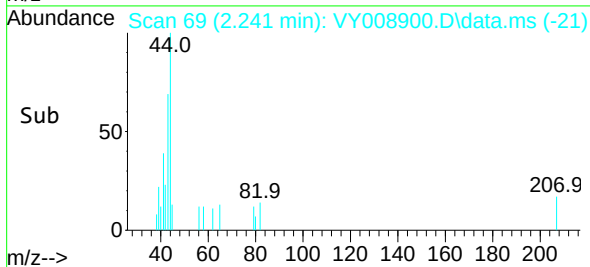
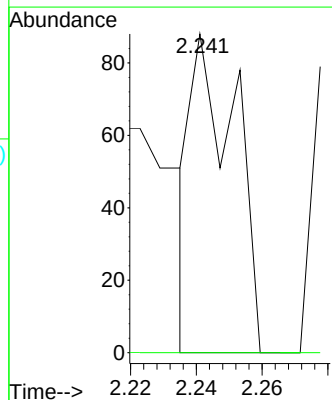
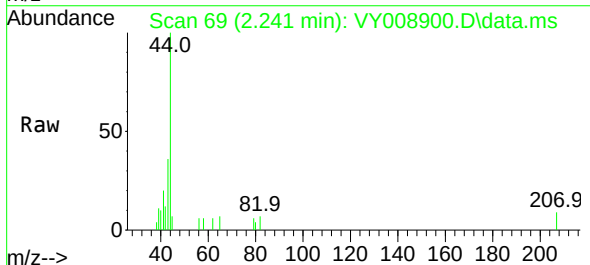
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS006-0006-01

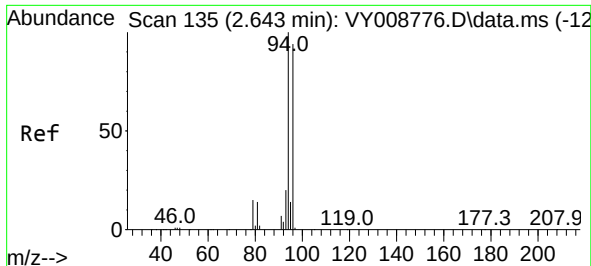
Tgt Ion: 50 Resp: 118  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.6 37.0#



#4  
Vinyl Chloride  
Concen: Below Cal  
RT: 2.241 min Scan# 69  
Delta R.T. -0.006 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

Tgt Ion: 62 Resp: 79  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.0 37.6#

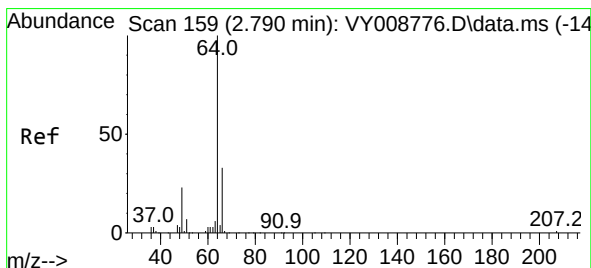
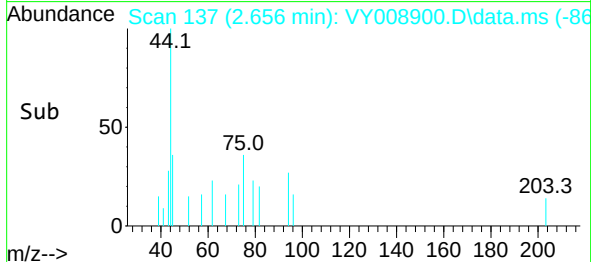
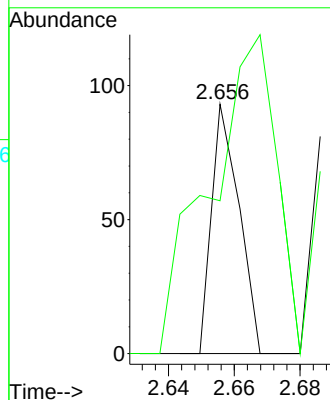
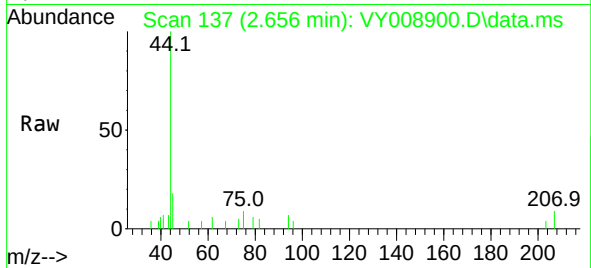




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.656 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

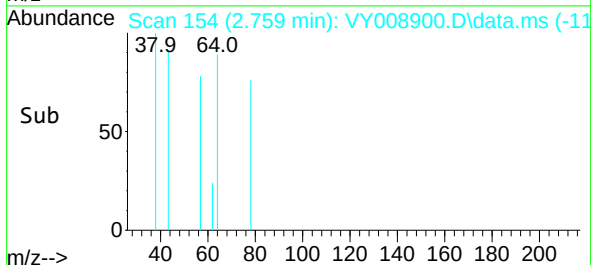
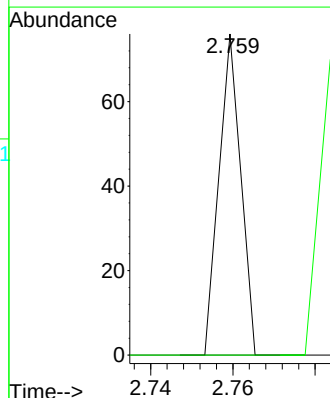
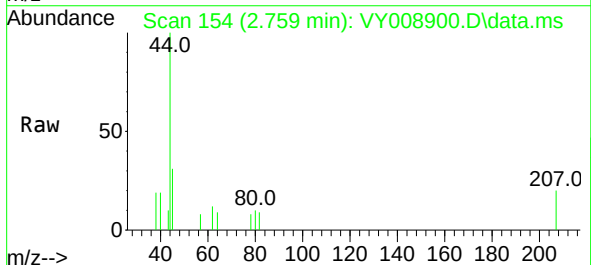
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS006-0006-01

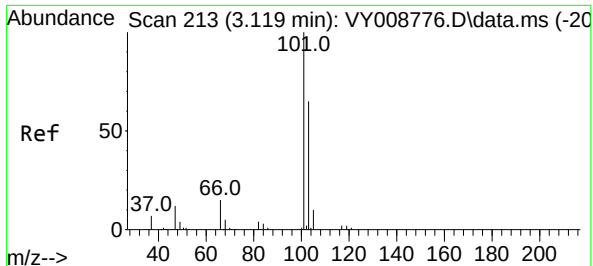
Tgt Ion: 94 Resp: 54  
Ion Ratio Lower Upper  
94 100  
96 5.4 73.5 110.3#



#6  
Chloroethane  
Concen: Below Cal  
RT: 2.759 min Scan# 154  
Delta R.T. -0.031 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

Tgt Ion: 64 Resp: 28  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#

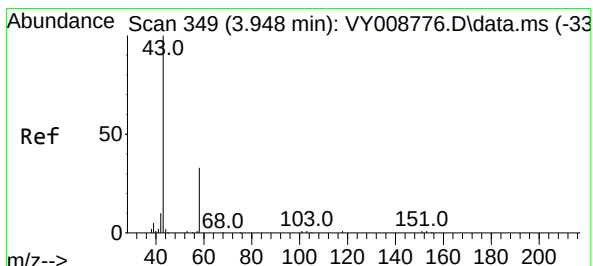
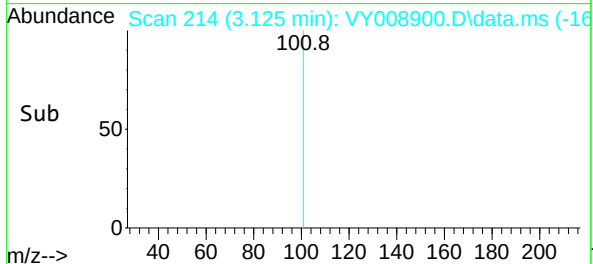
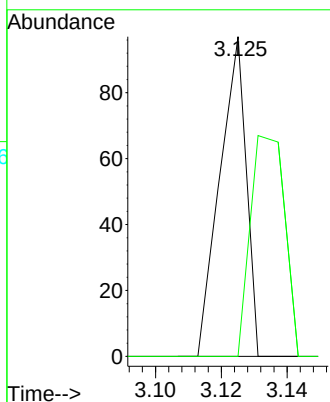
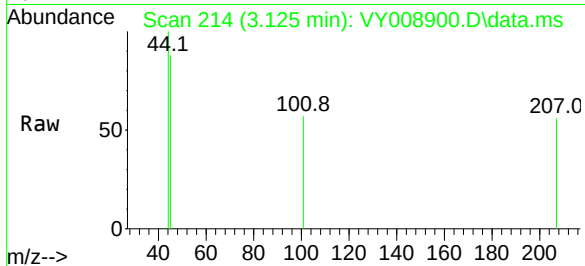




#7  
Trichlorofluoromethane  
Concen: Below Cal  
RT: 3.125 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

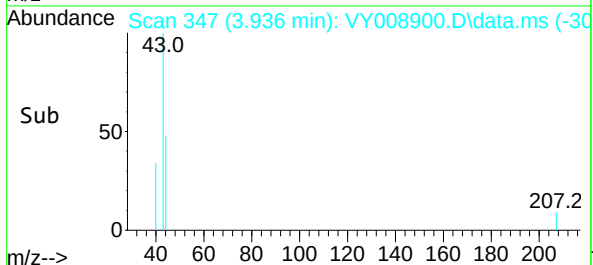
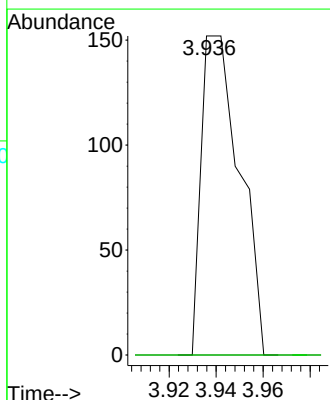
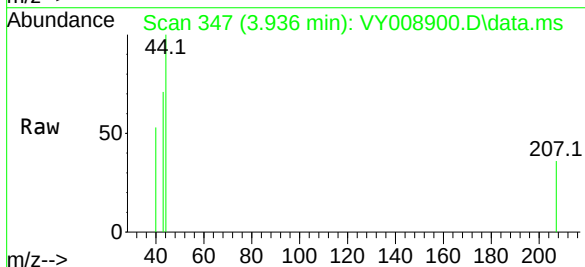
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS006-0006-01

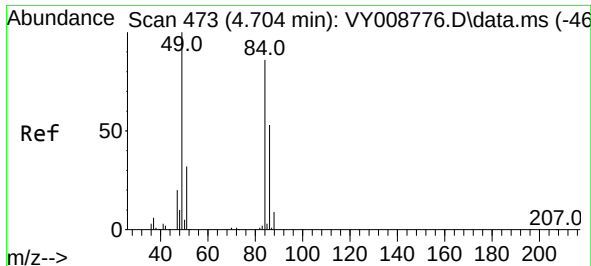
Tgt Ion:101 Resp: 54  
Ion Ratio Lower Upper  
101 100  
103 0.0 48.0 72.0#



#16  
Acetone  
Concen: Below Cal  
RT: 3.936 min Scan# 347  
Delta R.T. -0.012 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

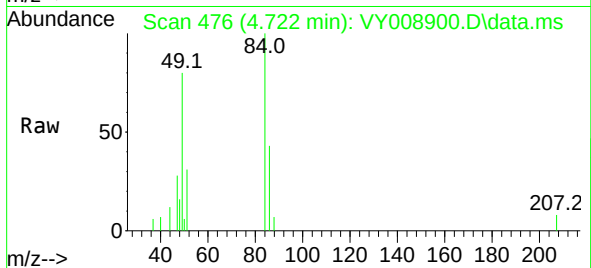
Tgt Ion: 43 Resp: 173  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#



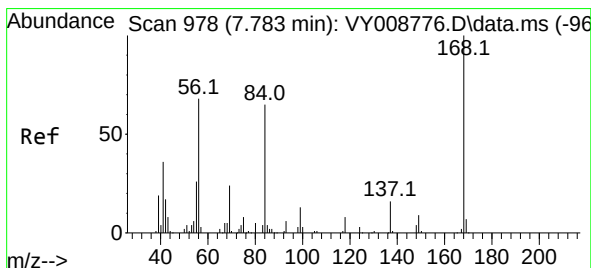
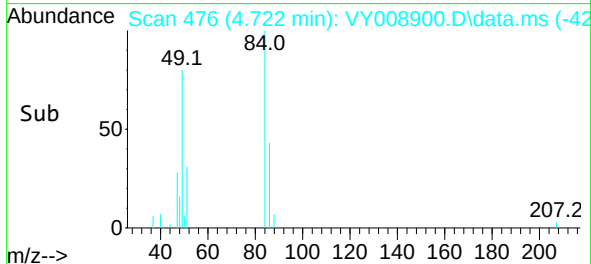
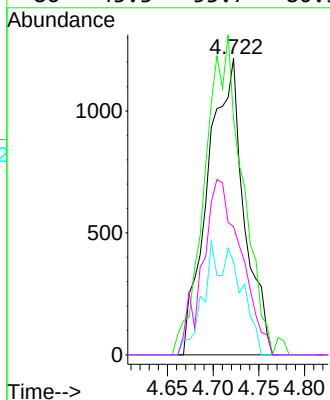


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 41  
Delta R.T. 0.018 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS006-0006-01

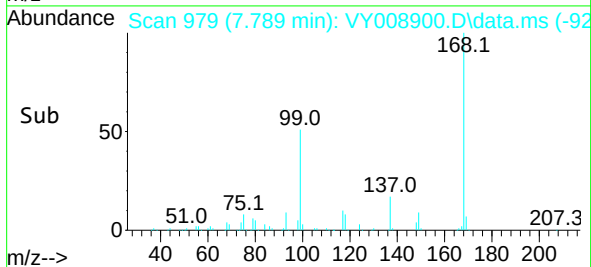
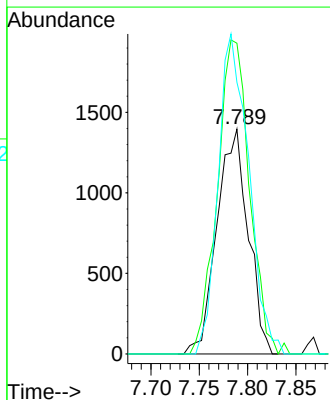
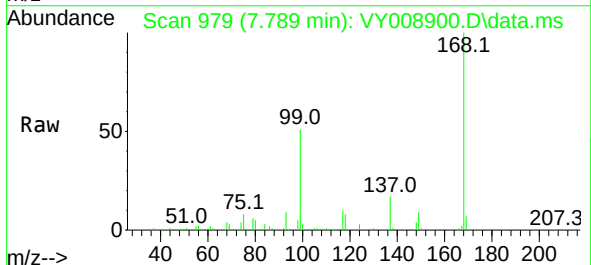


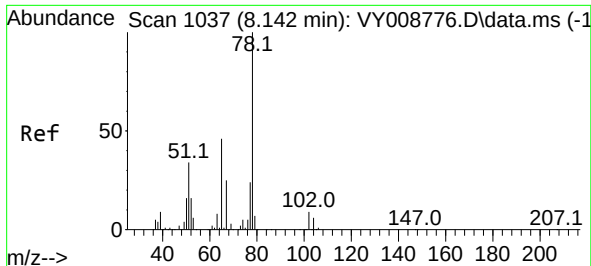
Tgt Ion: 84 Resp: 3349  
Ion Ratio Lower Upper  
84 100  
49 73.7 114.4 171.6#  
51 31.3 35.3 52.9#  
86 43.3 53.7 80.5#



#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.789 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

Tgt Ion: 56 Resp: 3130  
Ion Ratio Lower Upper  
56 100  
69 138.2 26.7 40.1#  
84 120.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 72.891 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY008900.D

Acq: 20 May 2022 04:59

Instrument :

MSVOA\_Y

ClientSampleId :

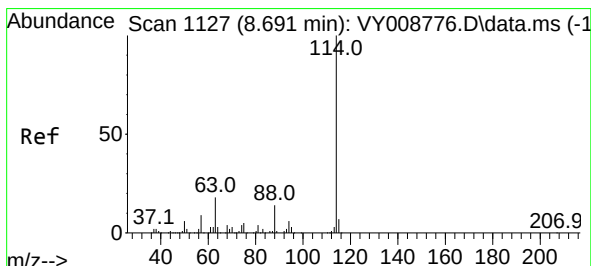
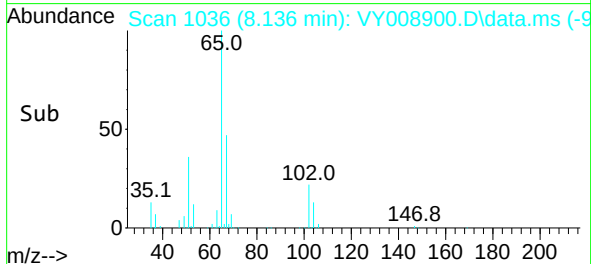
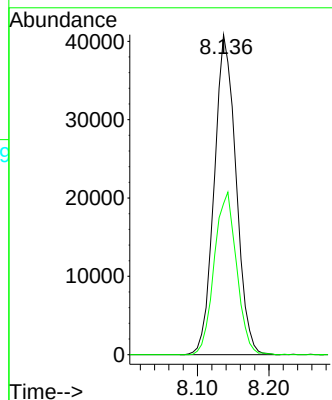
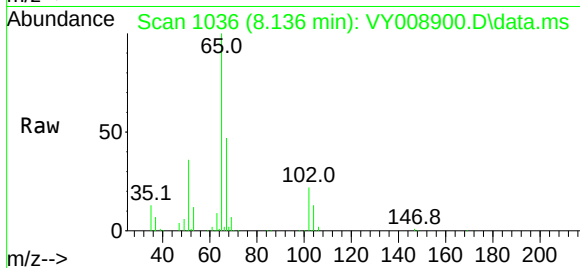
P017-SS006-0006-01

Tgt Ion: 65 Resp: 86386

Ion Ratio Lower Upper

65 100

67 52.1 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: VY008900.D

Acq: 20 May 2022 04:59

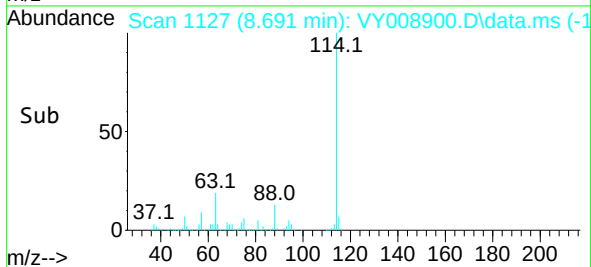
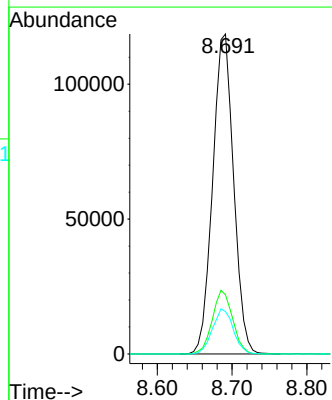
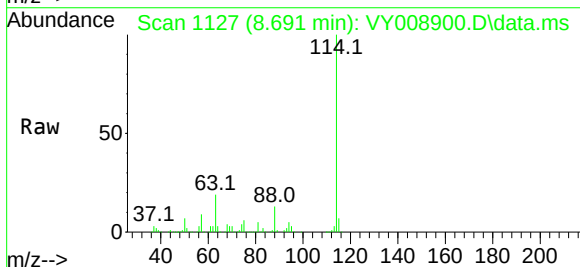
Tgt Ion: 114 Resp: 230879

Ion Ratio Lower Upper

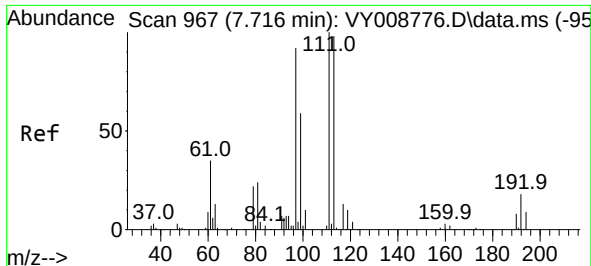
114 100

63 18.5 0.0 43.2

88 13.2 0.0 31.8



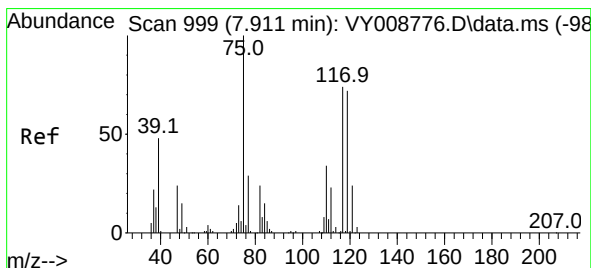
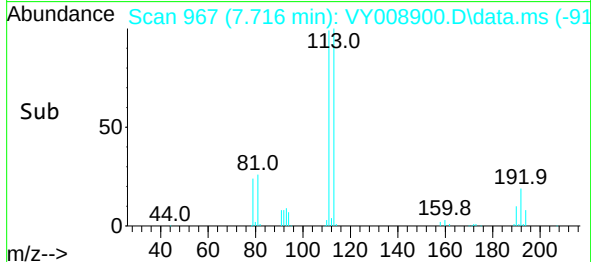
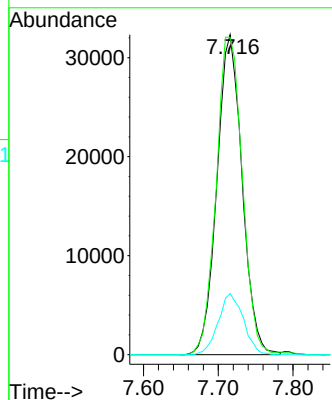
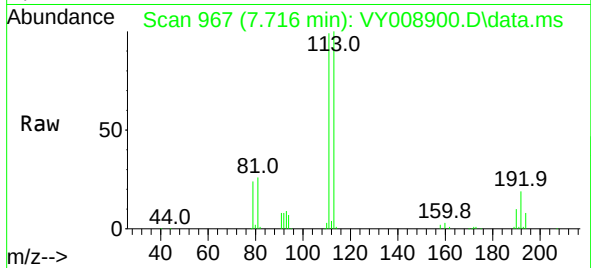




#35  
Dibromofluoromethane  
Concen: 56.175 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

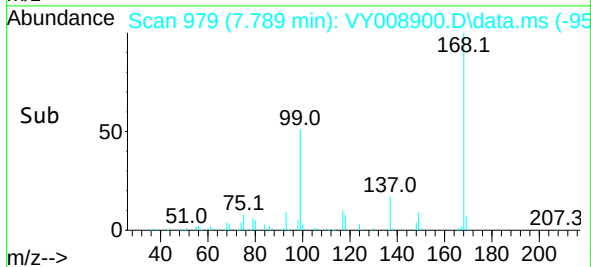
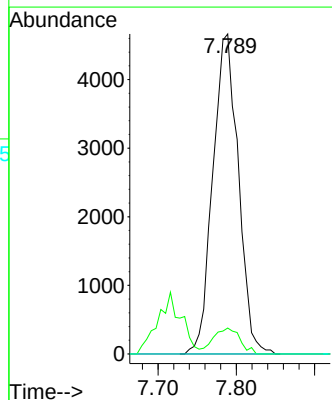
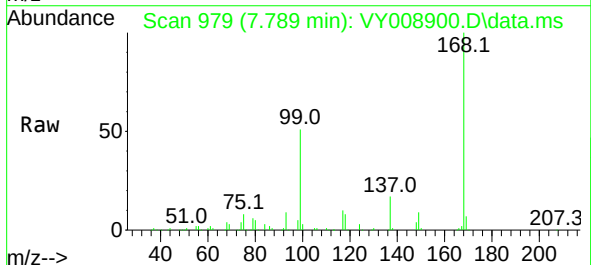
Instrument :  
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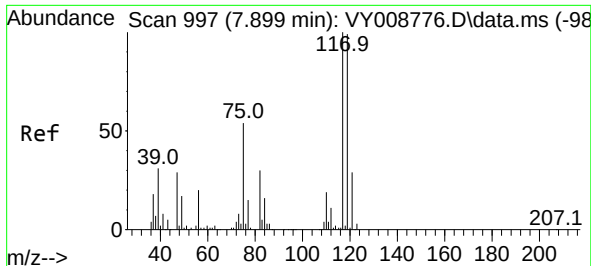
Tgt Ion:113 Resp: 75779  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.6 124.0  
192 19.0 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.883 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

Tgt Ion: 75 Resp: 10550  
Ion Ratio Lower Upper  
75 100  
110 8.5 17.1 51.2#  
77 0.0 24.4 36.6#

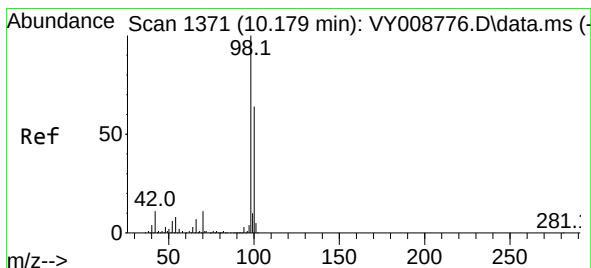
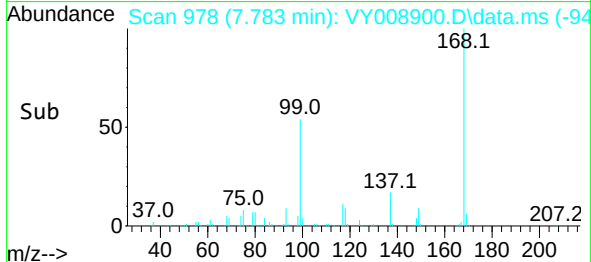
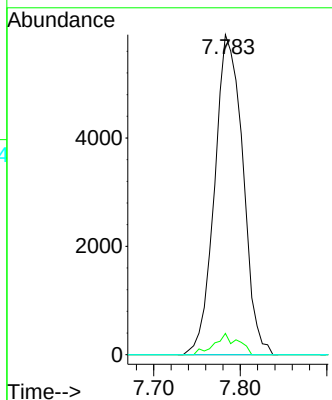
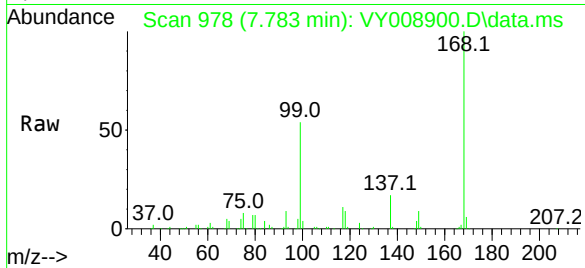




#38  
Carbon Tetrachloride  
Concen: 5.775 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

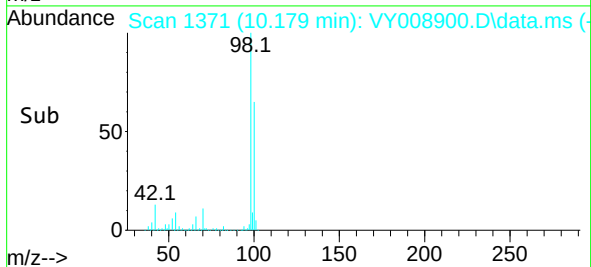
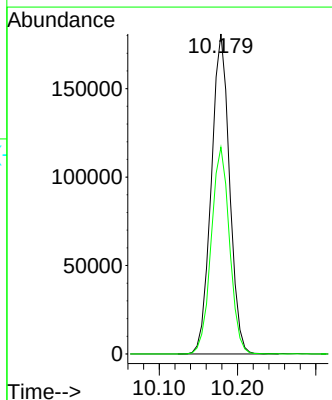
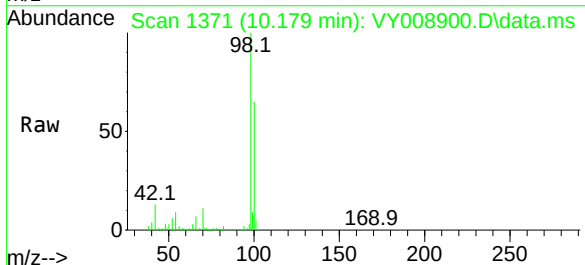
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS006-0006-01

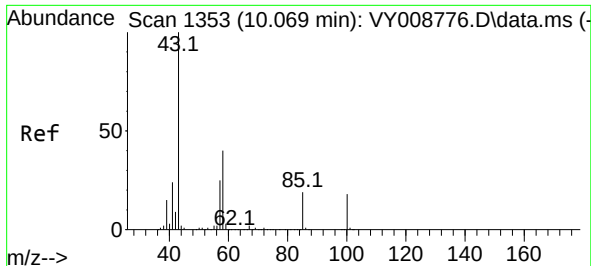
Tgt Ion:117 Resp: 13372  
Ion Ratio Lower Upper  
117 100  
119 6.6 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 48.957 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

Tgt Ion: 98 Resp: 293131  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.2 75.2

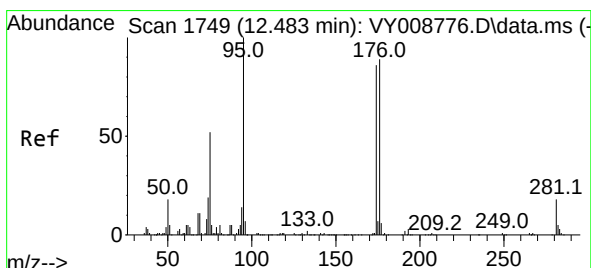
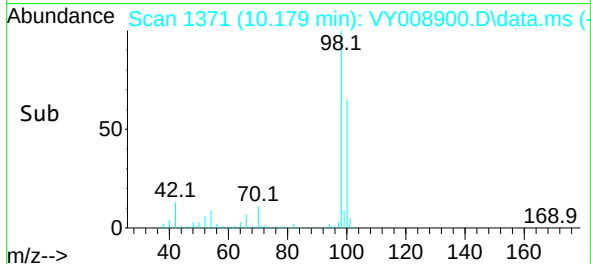
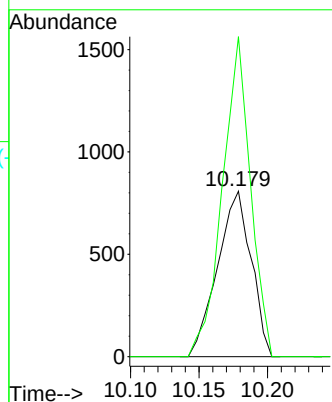
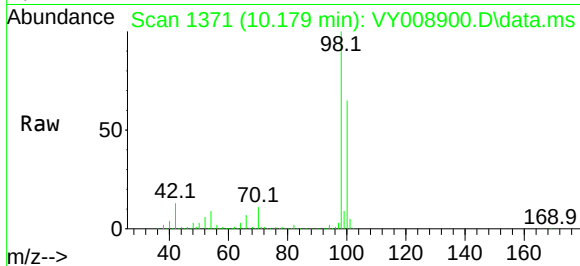




#51  
4-Methyl-2-Pentanone  
Concen: 1.091 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.110 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

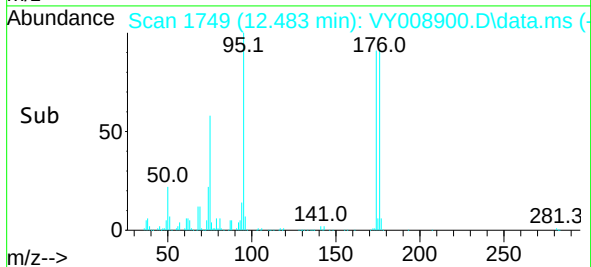
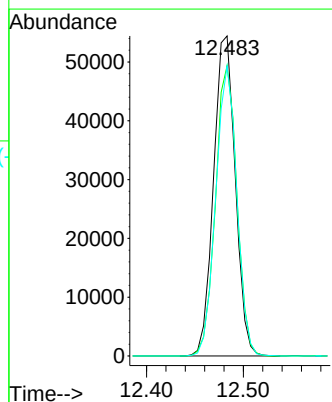
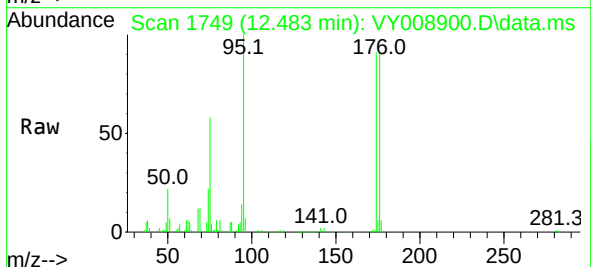
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS006-0006-01

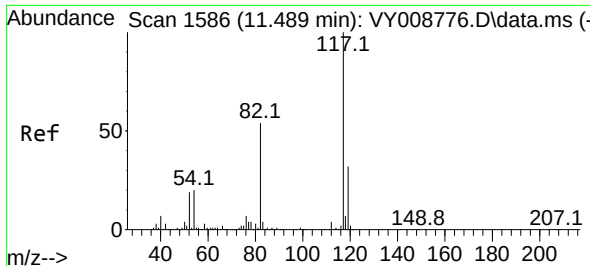
Tgt Ion: 43 Resp: 1380  
Ion Ratio Lower Upper  
43 100  
58 161.4 28.1 42.1#



#62  
4-Bromofluorobenzene  
Concen: 40.358 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

Tgt Ion: 95 Resp: 84813  
Ion Ratio Lower Upper  
95 100  
174 89.3 0.0 177.0  
176 88.0 0.0 175.8

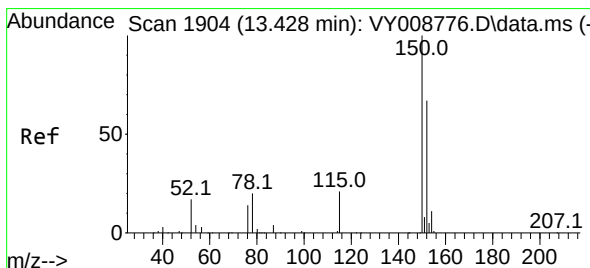
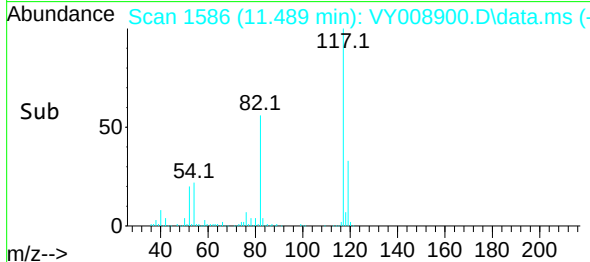
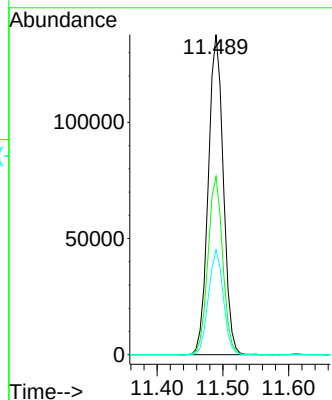
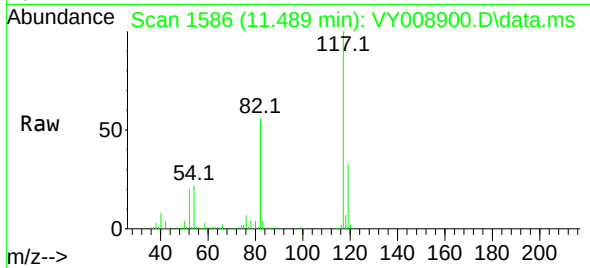




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

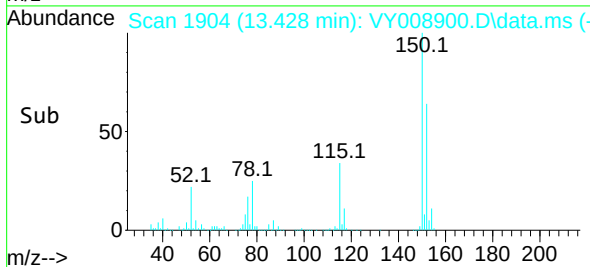
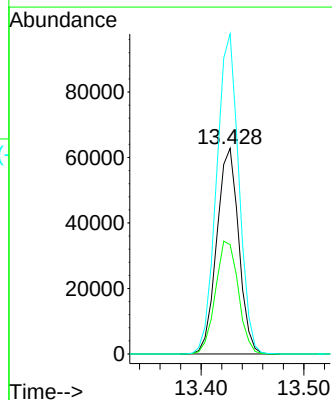
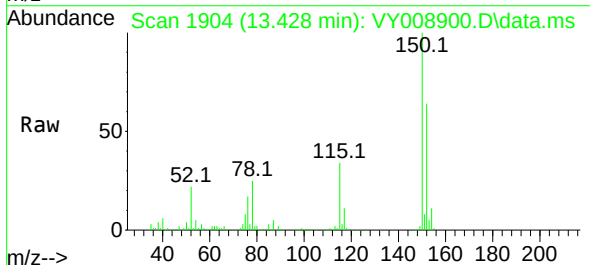
Instrument :  
MSVOA\_Y  
ClientSampleId :  
P017-SS006-0006-01

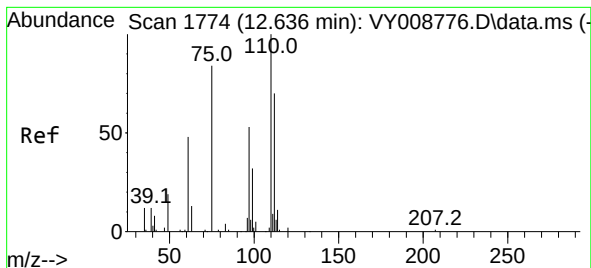
Tgt Ion:117 Resp: 218898  
Ion Ratio Lower Upper  
117 100  
82 55.6 43.0 64.4  
119 32.8 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008900.D  
Acq: 20 May 2022 04:59

Tgt Ion:152 Resp: 93187  
Ion Ratio Lower Upper  
152 100  
115 57.2 28.2 84.7  
150 157.6 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 44.572 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008900.D

Acq: 20 May 2022 04:59

Instrument :

MSVOA\_Y

ClientSampleId :

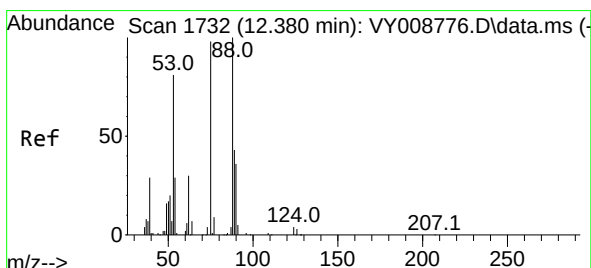
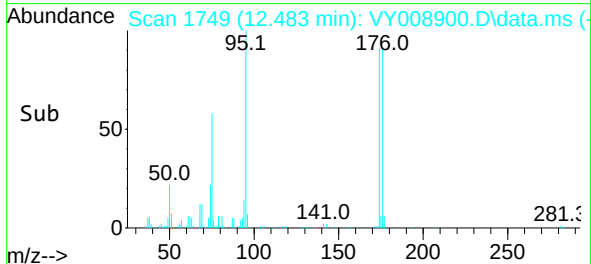
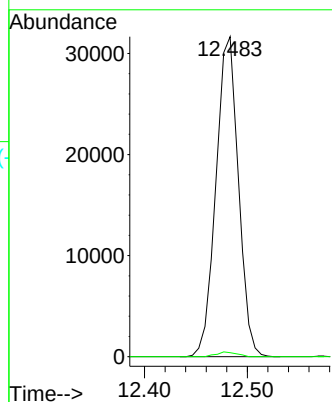
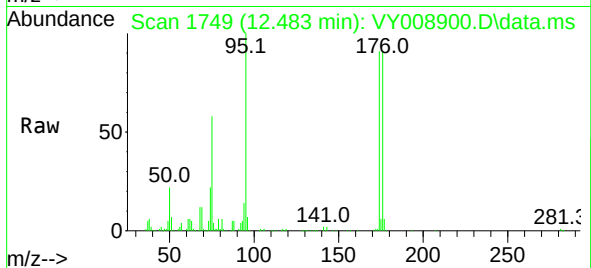
P017-SS006-0006-01

Tgt Ion: 75 Resp: 47979

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 97.491 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY008900.D

Acq: 20 May 2022 04:59

Tgt Ion: 75 Resp: 47979

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.1 37.0 55.4#

