

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051922\  
 Data File : VY008862.D  
 Acq On : 19 May 2022 13:04  
 Operator : KP/MD  
 Sample : N2832-01RE  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB01

Quant Time: May 19 16:58:30 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

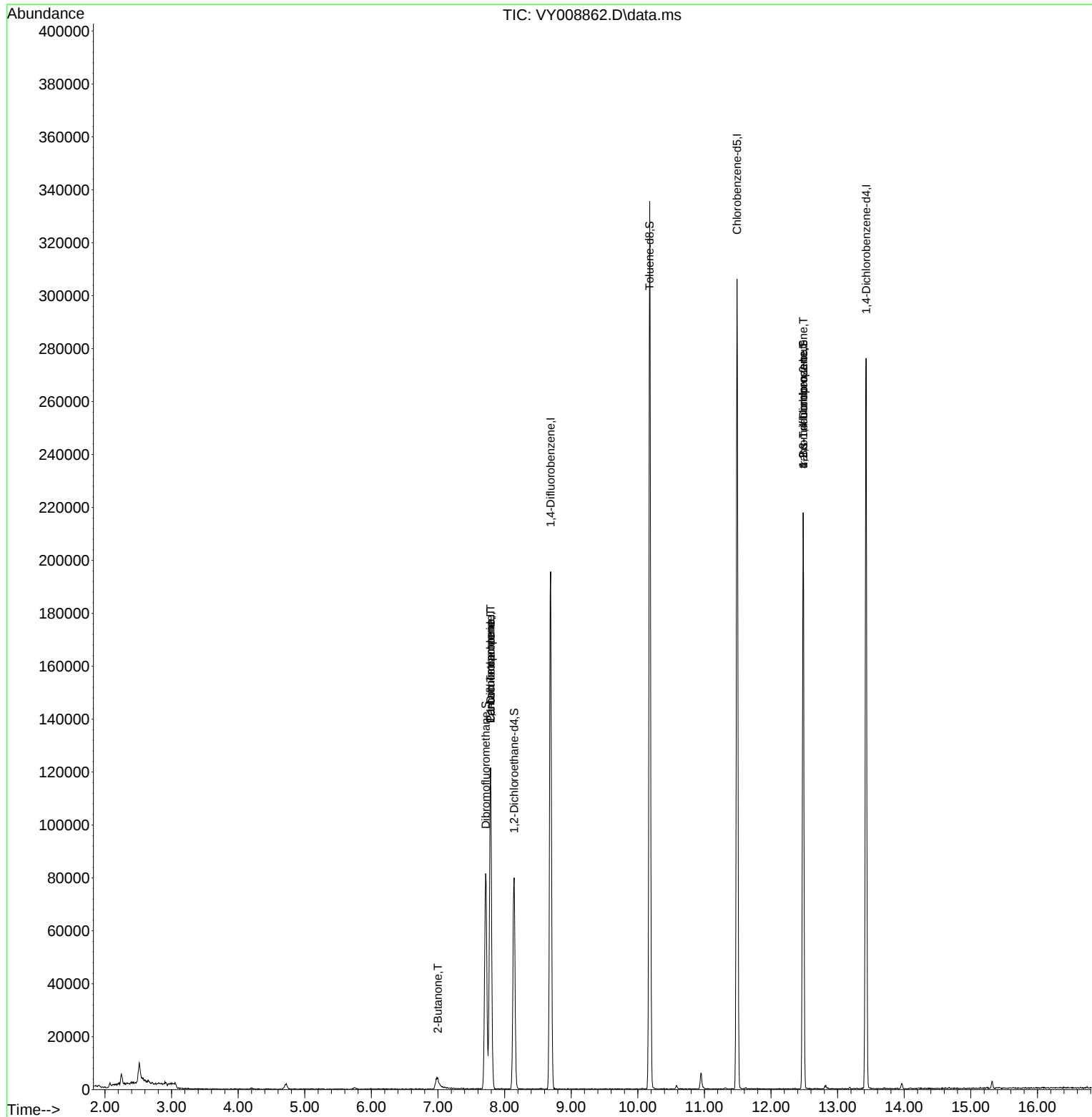
| Compound                      | R.T. QIon |       | Response | Conc        | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-------------|------------|----------|
| -----                         |           |       |          |             |            |          |
| Internal Standards            |           |       |          |             |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 92707    | 50.000      | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 168233   | 50.000      | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 161149   | 50.000      | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 66613    | 50.000      | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |             |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65    | 60444    | 70.280      | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery    | = 140.560% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 55836    | 56.805      | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery    | = 113.600% |          |
| 50) Toluene-d8                | 10.179    | 98    | 209234   | 48.023      | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery    | = 96.040%  |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 59677    | 39.091      | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery    | = 78.180%  |          |
| Target Compounds              |           |       |          |             |            |          |
|                               |           |       |          |             |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.900     | 85    | 582      | Below Cal   |            | 92       |
| 3) Chloromethane              | 2.113     | 50    | 161      | Below Cal   |            | 92       |
| 4) Vinyl Chloride             | 2.265     | 62    | 158      | Below Cal   | #          | 43       |
| 5) Bromomethane               | 2.625     | 94    | 30       | Below Cal   | #          | 57       |
| 6) Chloroethane               | 3.009     | 64    | 24       | Below Cal   | #          | 43       |
| 7) Trichlorofluoromethane     | 3.131     | 101   | 53       | Below Cal   | #          | 21       |
| 16) Acetone                   | 3.954     | 43    | 298      | Below Cal   | #          | 75       |
| 18) Methyl Acetate            | 4.192     | 43    | 41       | Below Cal   | #          | 56       |
| 20) Methylene Chloride        | 4.722     | 84    | 1469     | Below Cal   | #          | 84       |
| 25) 2-Butanone                | 6.996     | 43    | 399      | 1.105 ug/l  | #          | 54       |
| 31) Cyclohexane               | 7.789     | 56    | 2359     | Below Cal   | #          | 27       |
| 36) 1,1-Dichloropropene       | 7.789     | 75    | 7628     | 4.845 ug/l  | #          | 51       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 9738     | 5.772 ug/l  | #          | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 33742    | 43.851 ug/l | #          | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 33742    | 95.914 ug/l | #          | 7        |
| -----                         |           |       |          |             |            |          |

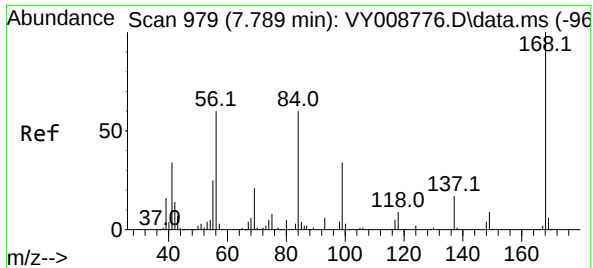
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051922\  
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Sample : N2832-01RE  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB01

Quant Time: May 19 16:58:30 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

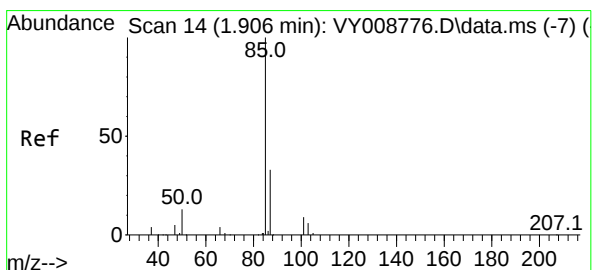
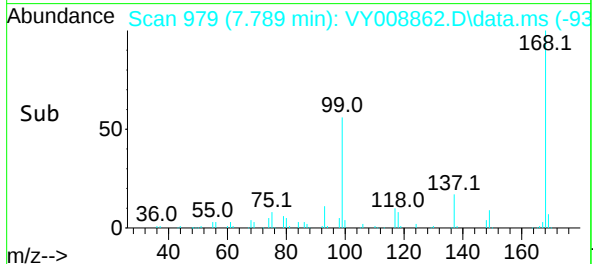
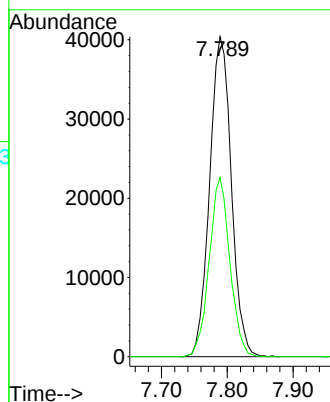
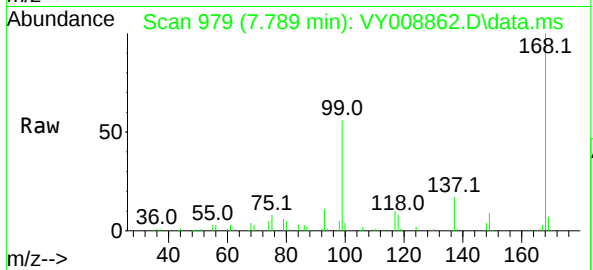




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

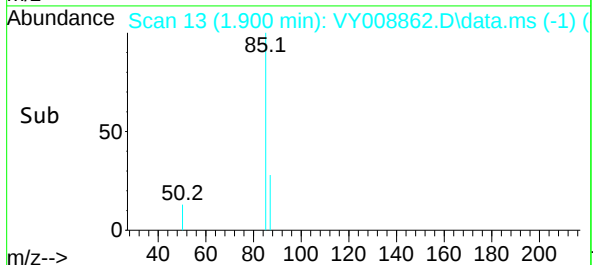
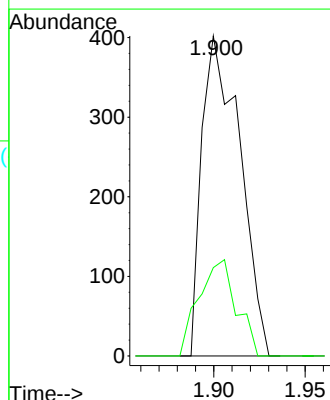
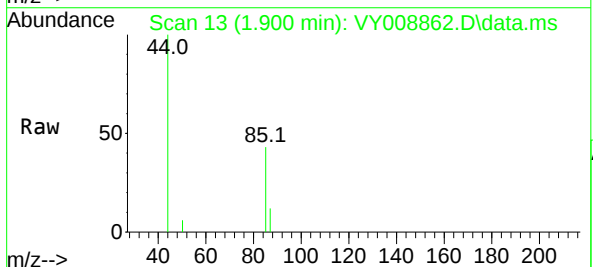
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB01

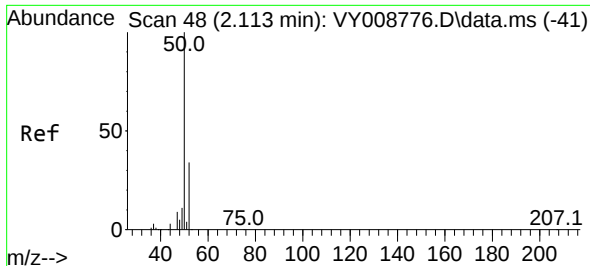
Tgt Ion:168 Resp: 92707  
Ion Ratio Lower Upper  
168 100  
99 56.0 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.900 min Scan# 13  
Delta R.T. -0.006 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

Tgt Ion: 85 Resp: 582  
Ion Ratio Lower Upper  
85 100  
87 27.6 16.1 48.2

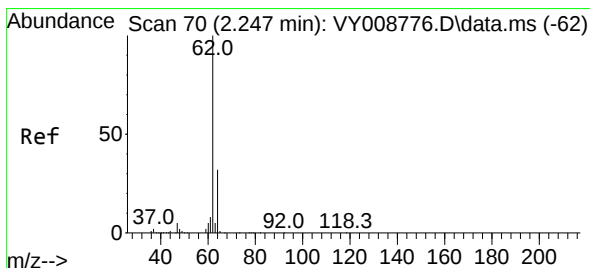
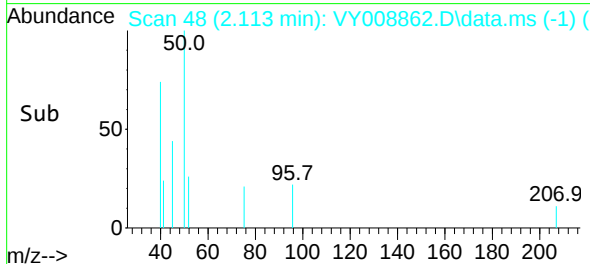
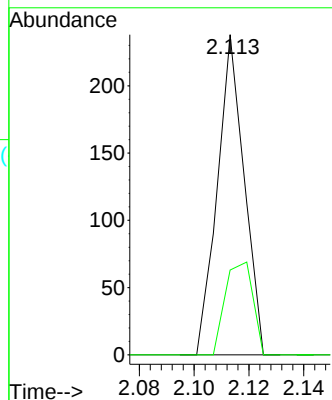
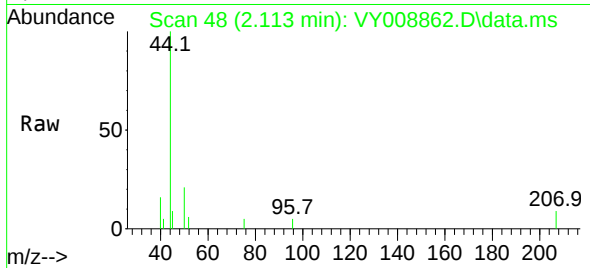




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

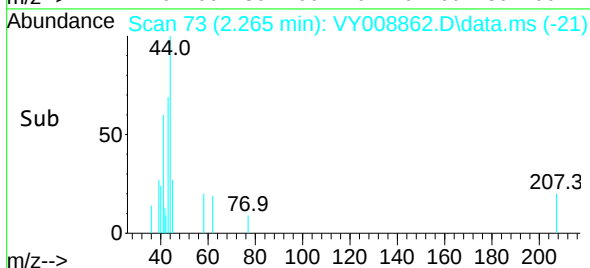
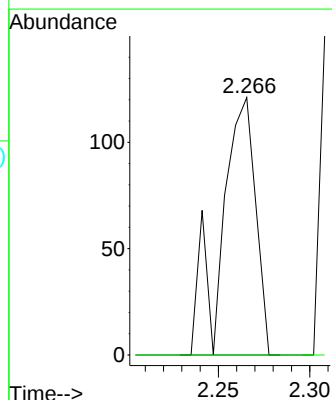
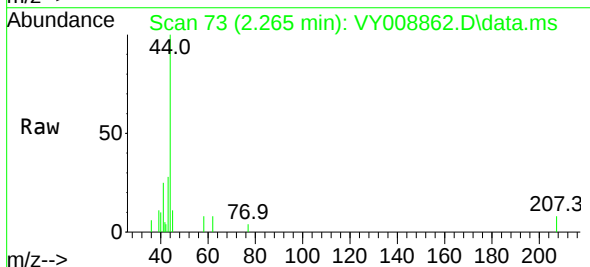
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB01

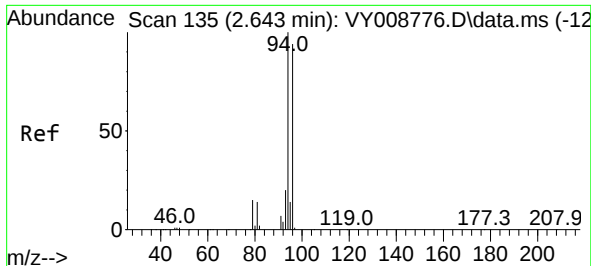
Tgt Ion: 50 Resp: 161  
Ion Ratio Lower Upper  
50 100  
52 26.5 24.6 37.0



#4  
Vinyl Chloride  
Concen: Below Cal  
RT: 2.265 min Scan# 73  
Delta R.T. 0.018 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

Tgt Ion: 62 Resp: 158  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.0 37.6#

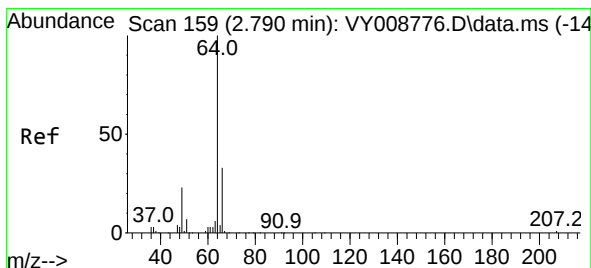
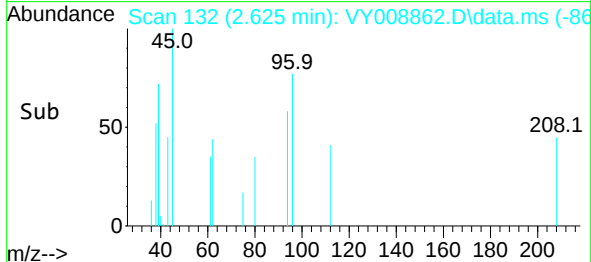
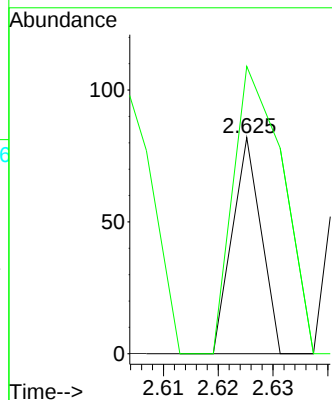
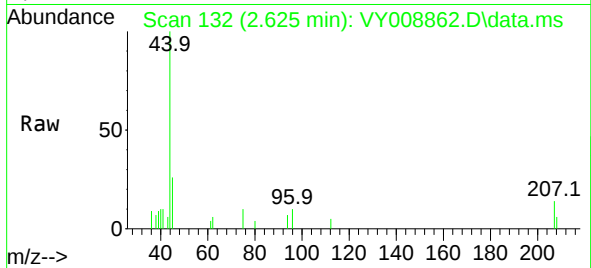




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.625 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

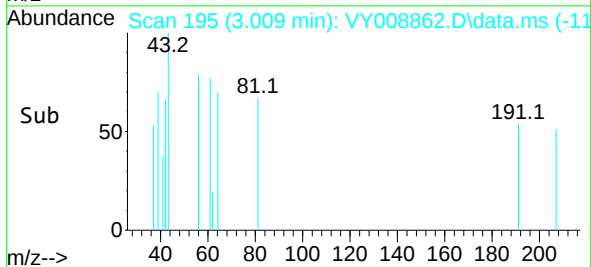
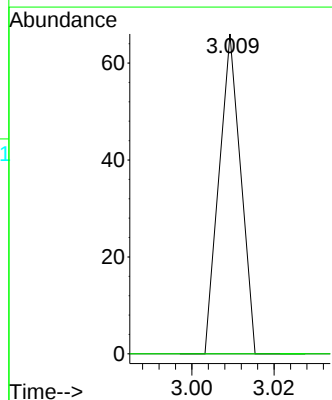
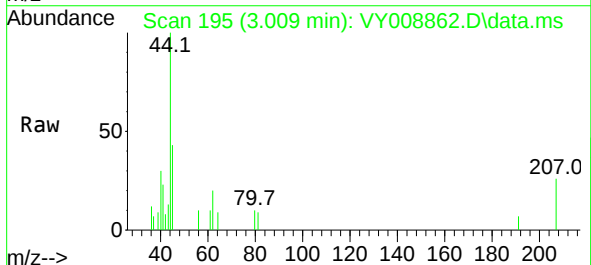
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB01

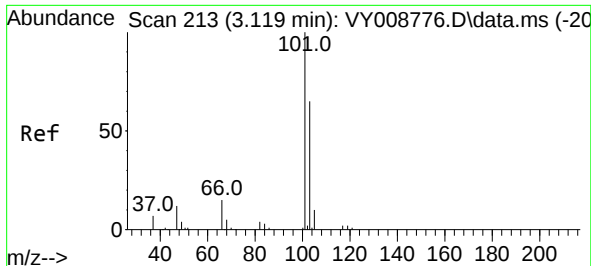
Tgt Ion: 94 Resp: 30  
Ion Ratio Lower Upper  
94 100  
96 132.9 73.5 110.3#



#6  
Chloroethane  
Concen: Below Cal  
RT: 3.009 min Scan# 195  
Delta R.T. 0.219 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

Tgt Ion: 64 Resp: 24  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#

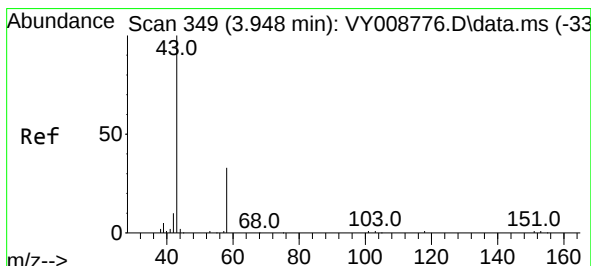
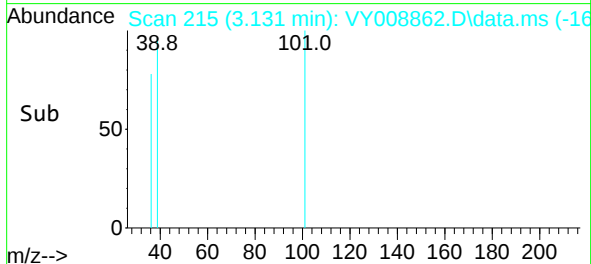
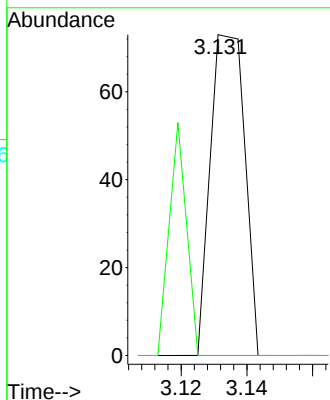
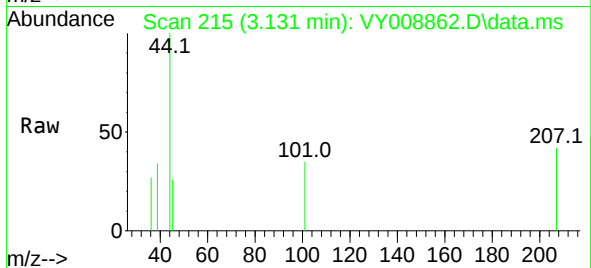




#7  
Trichlorofluoromethane  
Concen: Below Cal  
RT: 3.131 min Scan# 213  
Delta R.T. 0.012 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

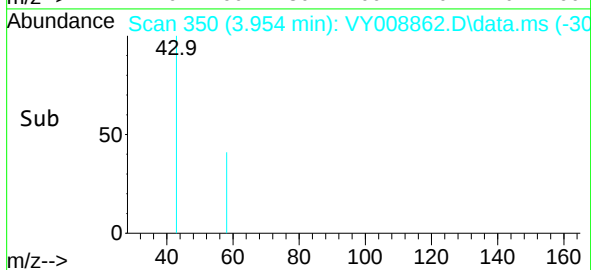
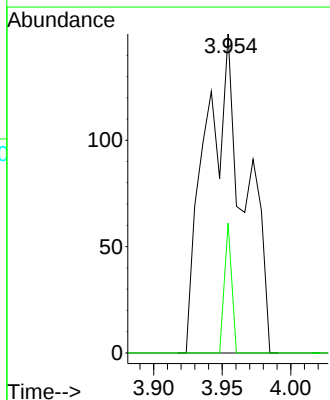
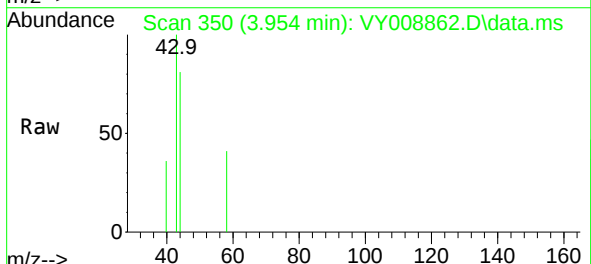
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB01

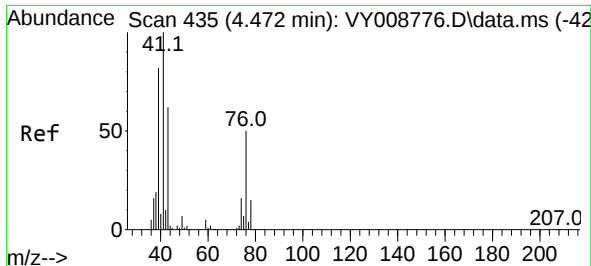
Tgt Ion:101 Resp: 53  
Ion Ratio Lower Upper  
101 100  
103 0.0 48.0 72.0#



#16  
Acetone  
Concen: Below Cal  
RT: 3.954 min Scan# 350  
Delta R.T. 0.006 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

Tgt Ion: 43 Resp: 298  
Ion Ratio Lower Upper  
43 100  
58 40.7 22.0 33.0#

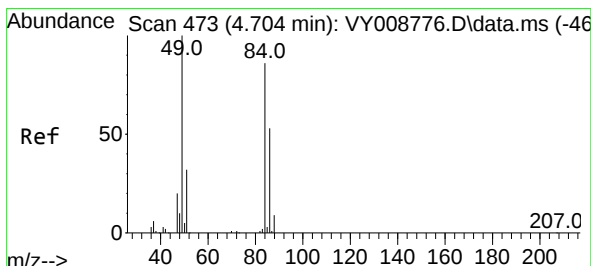
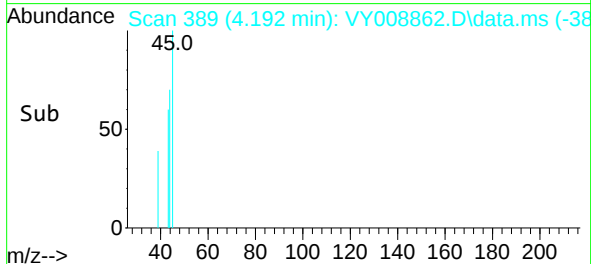
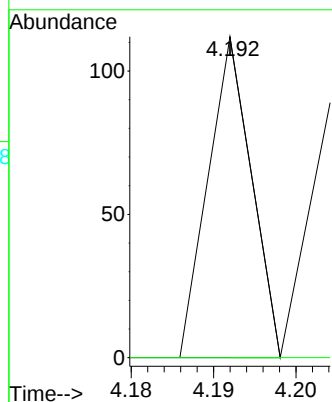
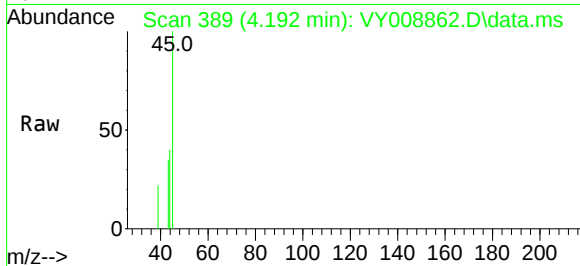




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.192 min Scan# 31  
Delta R.T. -0.280 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

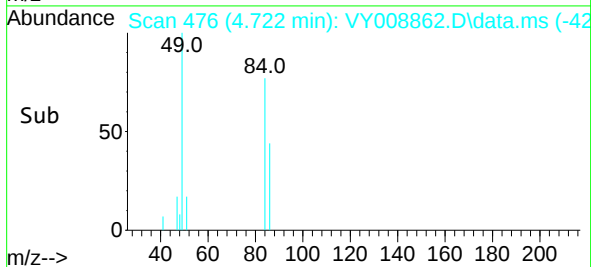
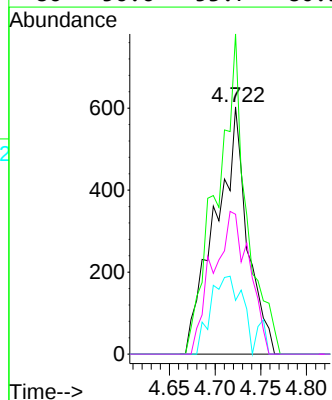
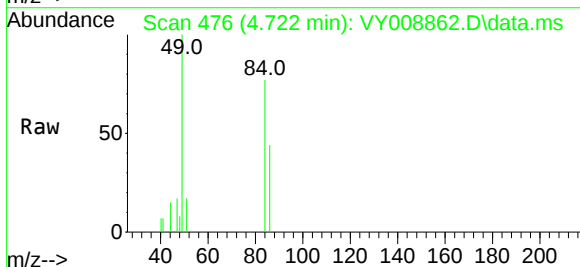
Instrument :  
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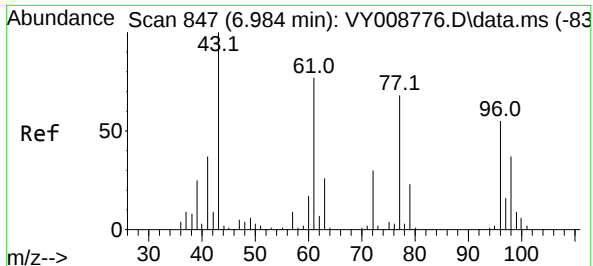
Tgt Ion: 43 Resp: 41  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.018 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

Tgt Ion: 84 Resp: 1469  
Ion Ratio Lower Upper  
84 100  
49 129.5 114.4 171.6  
51 21.7 35.3 52.9#  
86 56.6 53.7 80.5





#25

2-Butanone

Concen: 1.105 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY008862.D

Acq: 19 May 2022 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

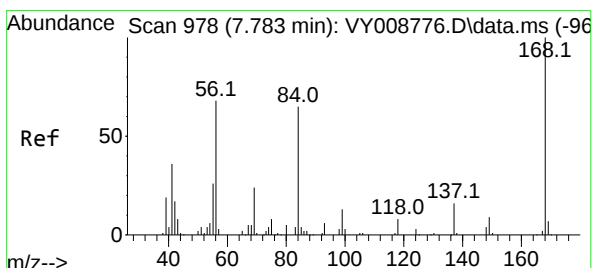
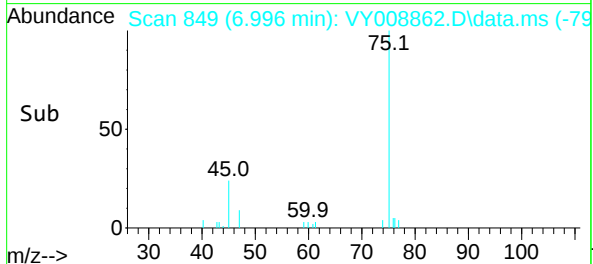
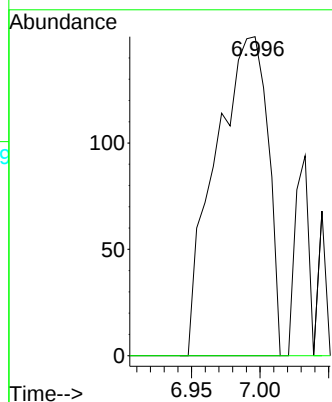
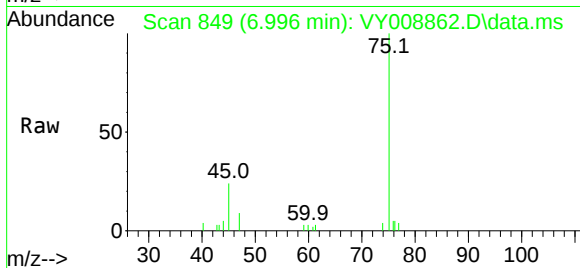
SB01

Tgt Ion: 43 Resp: 399

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008862.D

Acq: 19 May 2022 13:04

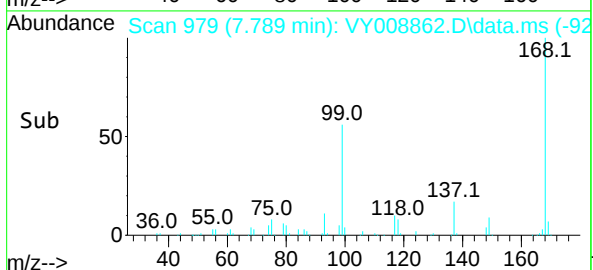
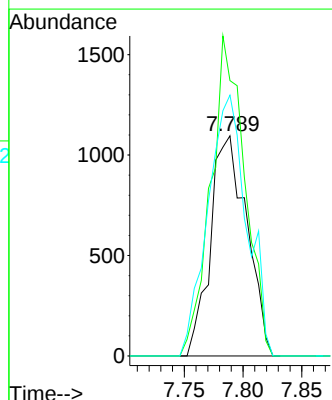
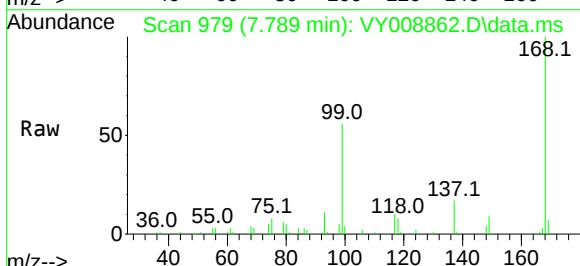
Tgt Ion: 56 Resp: 2359

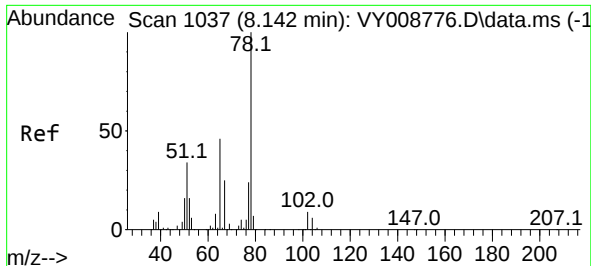
Ion Ratio Lower Upper

56 100

69 125.1 26.7 40.1#

84 118.4 67.2 100.8#

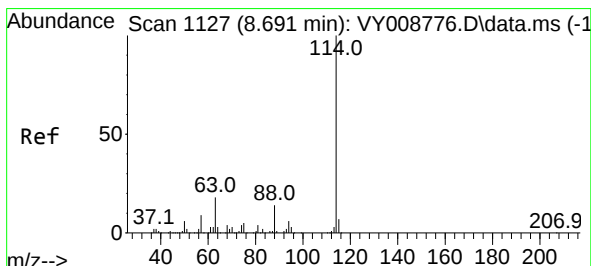
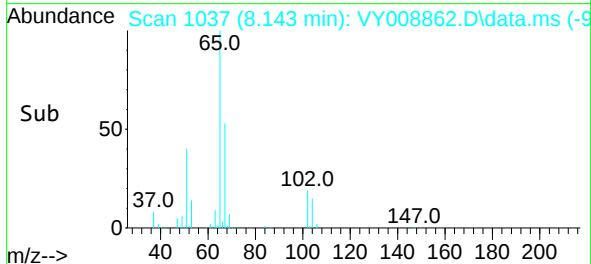
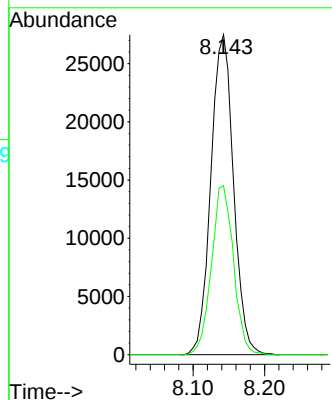
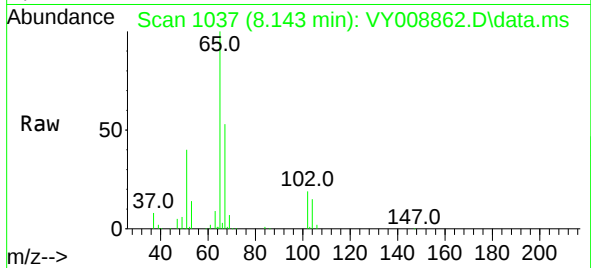




#33  
 1,2-Dichloroethane-d4  
 Concen: 70.280 ug/l  
 RT: 8.143 min Scan# 1037  
 Delta R.T. 0.000 min  
 Lab File: VY008862.D  
 Acq: 19 May 2022 13:04

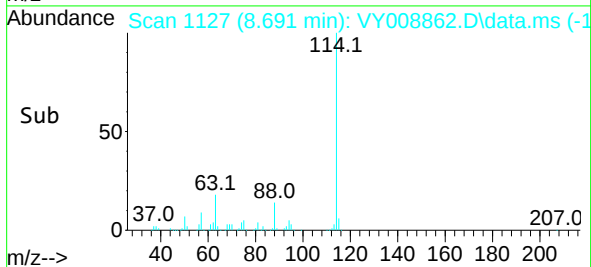
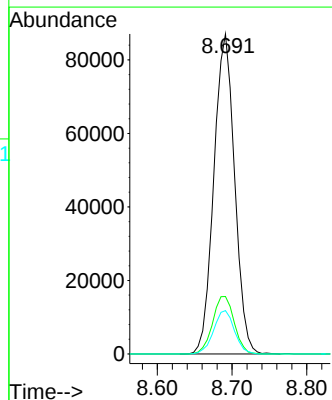
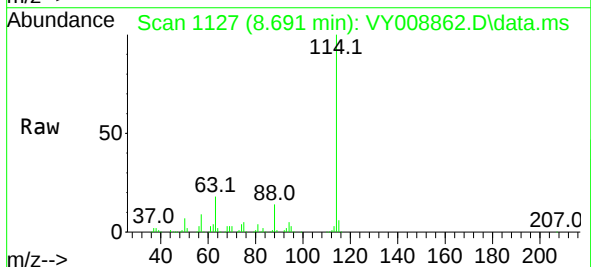
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB01

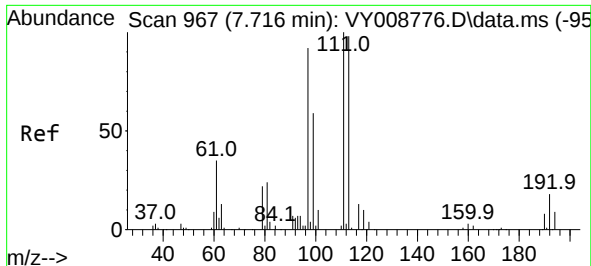
Tgt Ion: 65 Resp: 60444  
 Ion Ratio Lower Upper  
 65 100  
 67 51.4 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY008862.D  
 Acq: 19 May 2022 13:04

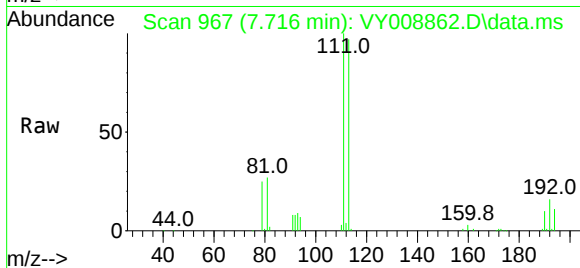
Tgt Ion: 114 Resp: 168233  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 43.2  
 88 13.6 0.0 31.8



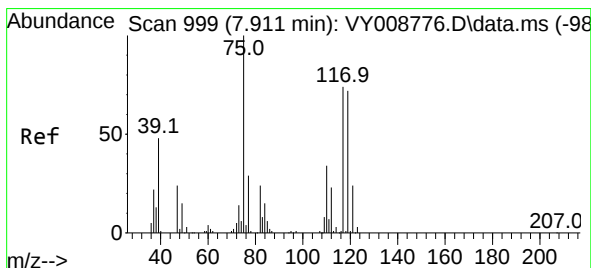
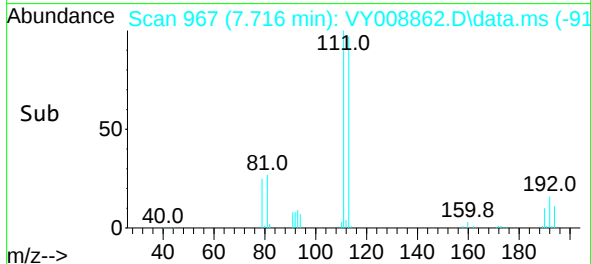
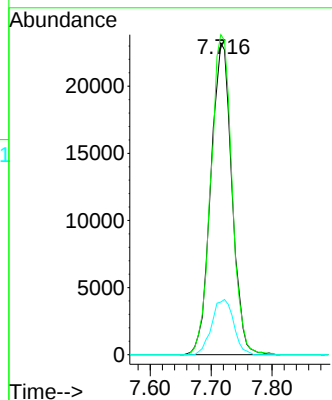


#35  
Dibromofluoromethane  
Concen: 56.805 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB01

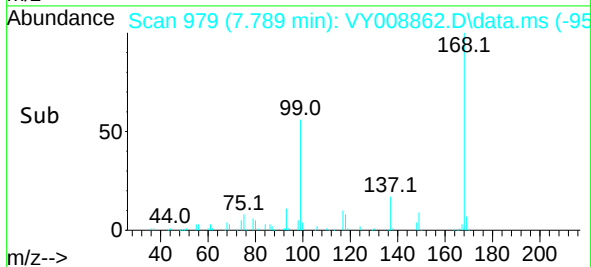
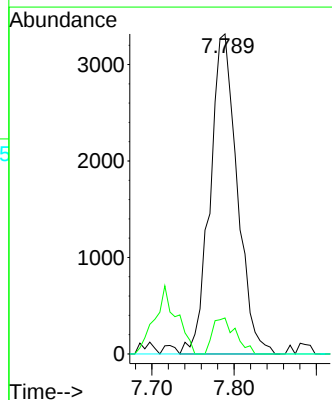
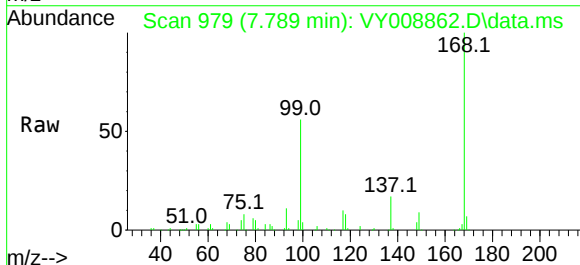


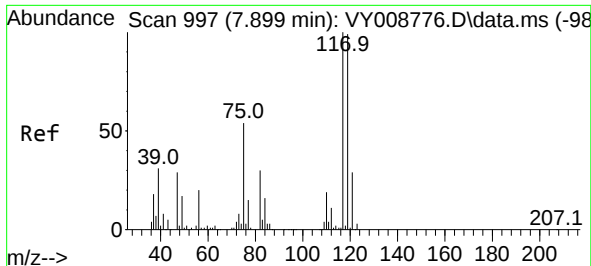
Tgt Ion:113 Resp: 55836  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.6 124.0  
192 18.4 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.845 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

Tgt Ion: 75 Resp: 7628  
Ion Ratio Lower Upper  
75 100  
110 9.5 17.1 51.2#  
77 0.0 24.4 36.6#

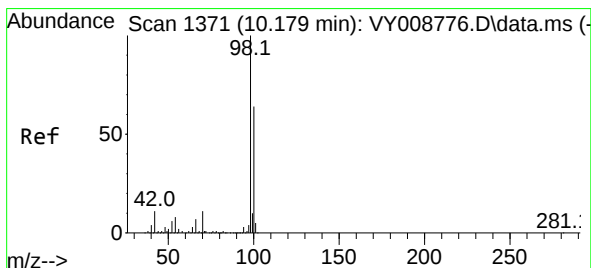
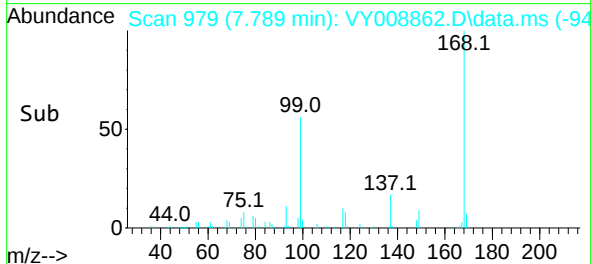
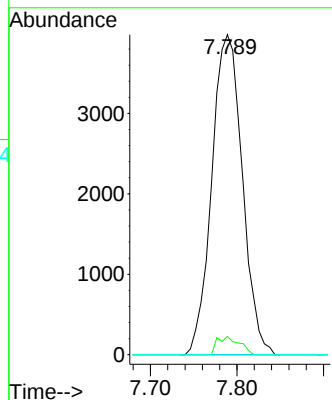
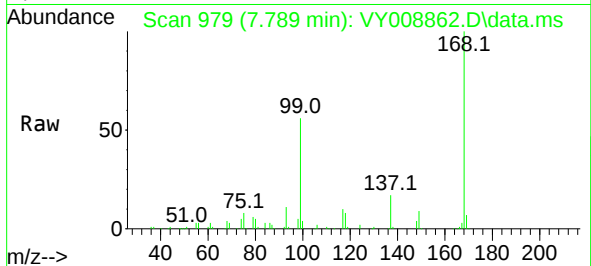




#38  
Carbon Tetrachloride  
Concen: 5.772 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

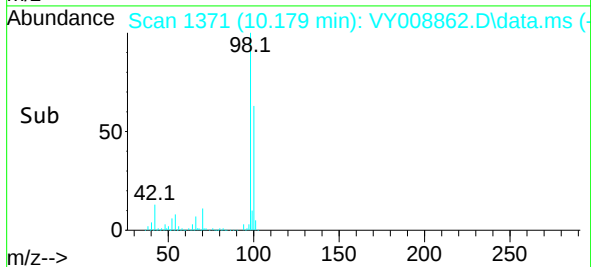
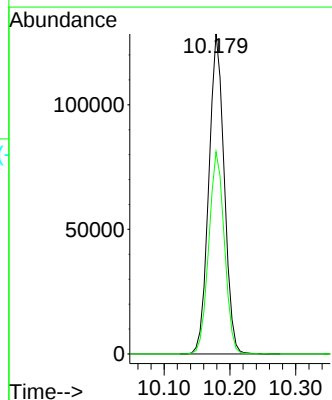
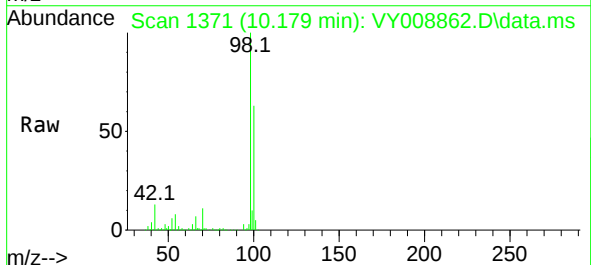
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB01

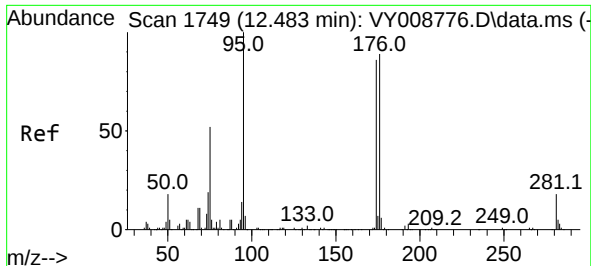
Tgt Ion:117 Resp: 9738  
Ion Ratio Lower Upper  
117 100  
119 5.7 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 48.023 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

Tgt Ion: 98 Resp: 209234  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.2 75.2

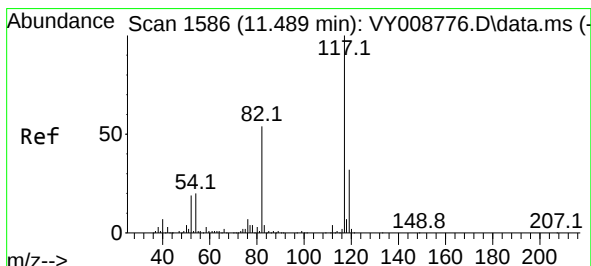
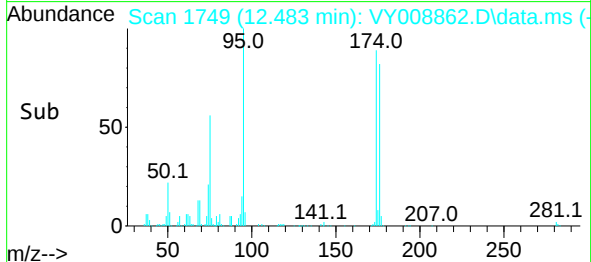
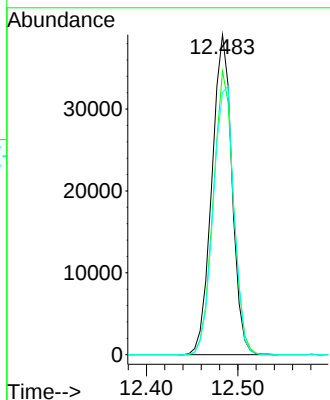
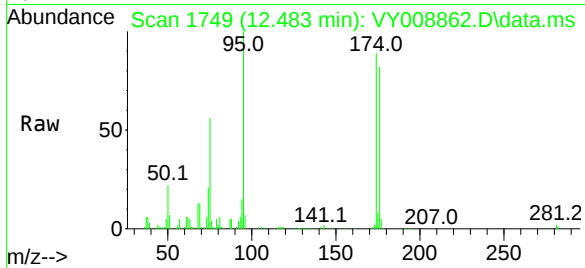




#62  
4-Bromofluorobenzene  
Concen: 39.091 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

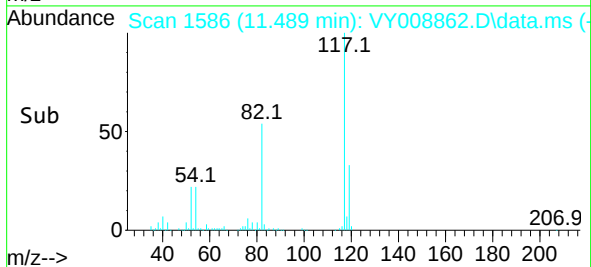
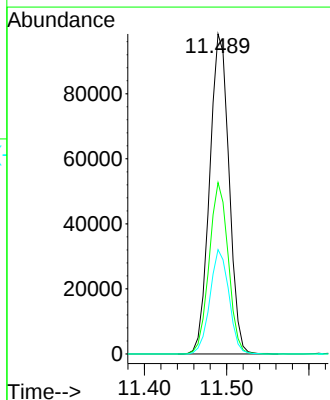
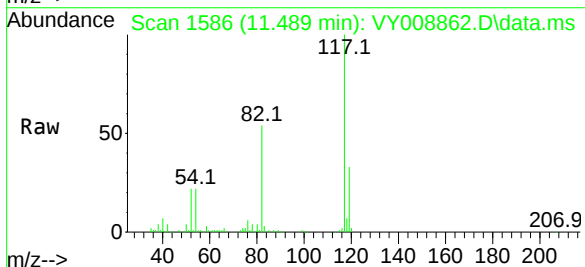
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB01

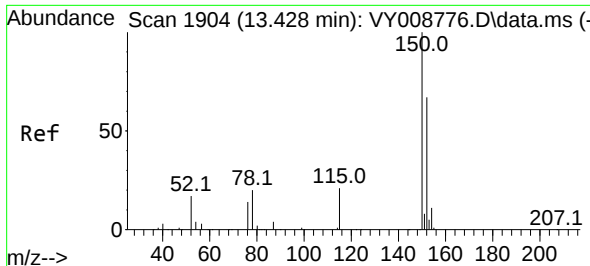
Tgt Ion: 95 Resp: 59677  
Ion Ratio Lower Upper  
95 100  
174 89.2 0.0 177.0  
176 87.1 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY008862.D  
Acq: 19 May 2022 13:04

Tgt Ion: 117 Resp: 161149  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.0 64.4  
119 32.6 25.4 38.0

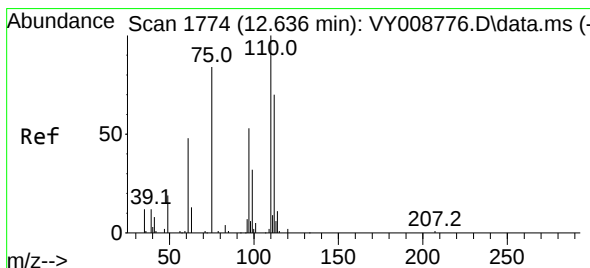
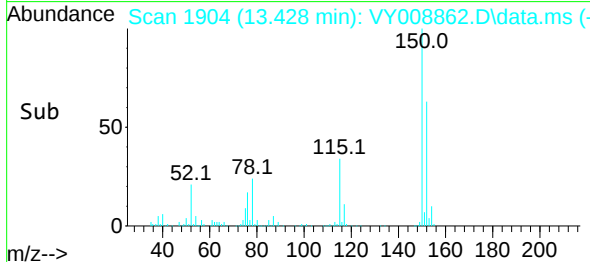
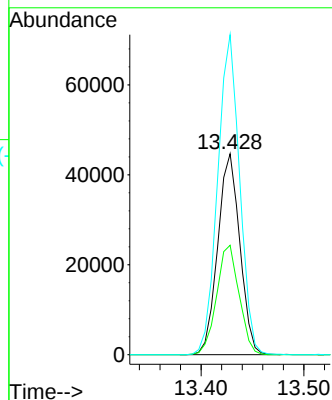
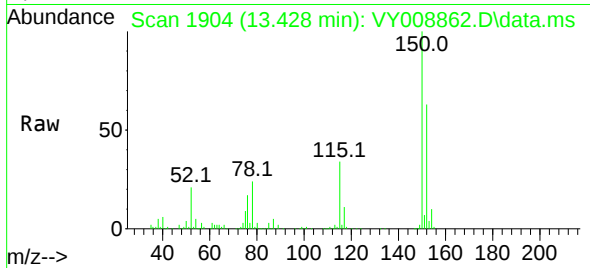




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY008862.D  
 Acq: 19 May 2022 13:04

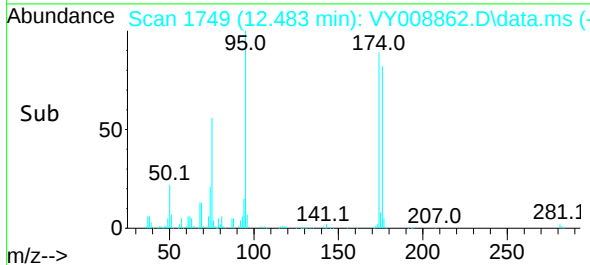
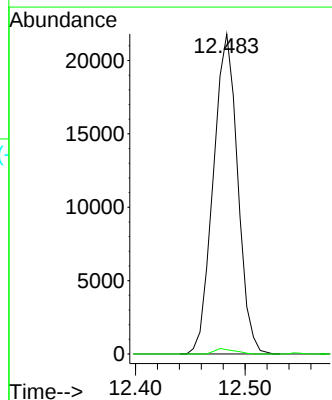
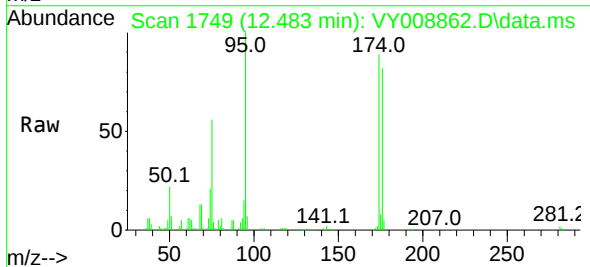
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB01

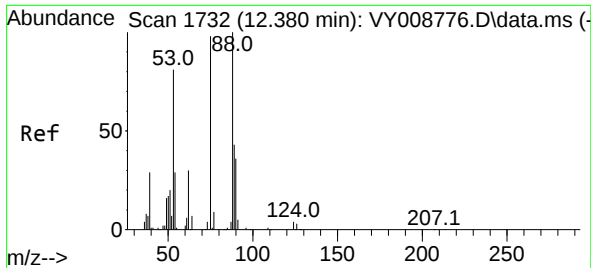
Tgt Ion:152 Resp: 66613  
 Ion Ratio Lower Upper  
 152 100  
 115 55.5 28.2 84.7  
 150 158.6 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 43.851 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY008862.D  
 Acq: 19 May 2022 13:04

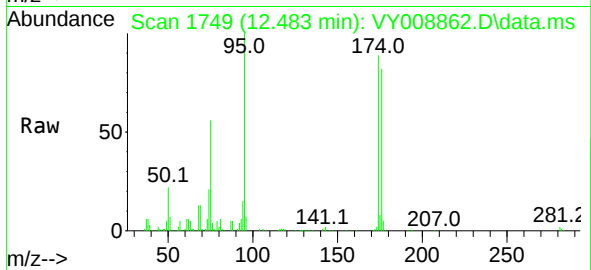
Tgt Ion: 75 Resp: 33742  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 95.914 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY008862.D  
 Acq: 19 May 2022 13:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB01



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 85.3  | 127.9# |
| 89      | 0.0   | 37.0  | 55.4#  |

