

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051122\  
 Data File : VY008708.D  
 Acq On : 11 May 2022 15:40  
 Operator : KP/MD  
 Sample : N2762-07RE  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB17RE

Quant Time: May 12 06:29:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050922S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 09 19:21:20 2022  
 Response via : Initial Calibration

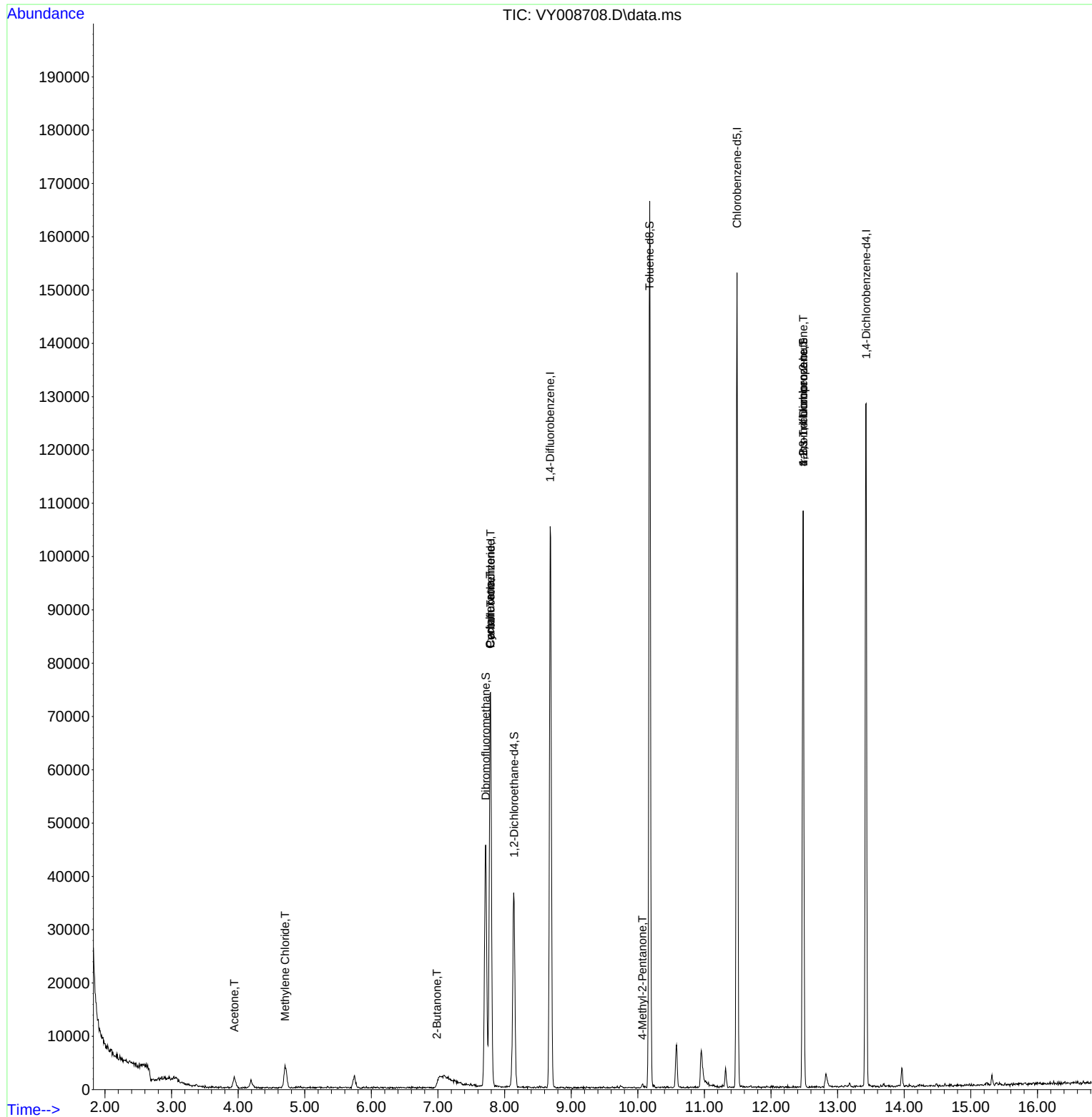
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.789     | 168            | 63336    | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114            | 99382    | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117            | 86757    | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152            | 36653    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65             | 27267    | 50.243     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 50 - 163 | Recovery | = 100.480% |        |          |
| 35) Dibromofluoromethane      | 7.716     | 113            | 31856    | 52.015     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 54 - 147 | Recovery | = 104.040% |        |          |
| 50) Toluene-d8                | 10.179    | 98             | 113072   | 52.392     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 49 - 140 | Recovery | = 104.780% |        |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95             | 31708    | 40.837     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 25 - 144 | Recovery | = 81.680%  |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.930     | 59             | 143      | Below Cal  | #      | 77       |
| 16) Acetone                   | 3.942     | 43             | 3472     | 27.117     | ug/l # | 74       |
| 18) Methyl Acetate            | 4.722     | 43             | 19       | Below Cal  | #      | 56       |
| 20) Methylene Chloride        | 4.704     | 84             | 3355     | 4.315      | ug/l # | 85       |
| 25) 2-Butanone                | 6.984     | 43             | 214      | 1.017      | ug/l # | 54       |
| 31) Cyclohexane               | 7.783     | 56             | 1132     | 1.054      | ug/l # | 25       |
| 38) Carbon Tetrachloride      | 7.789     | 117            | 5975     | 6.004      | ug/l # | 13       |
| 51) 4-Methyl-2-Pentanone      | 10.069    | 43             | 611      | 1.314      | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75             | 15454    | 37.403     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75             | 15454    | 74.415     | ug/l # | 7        |
| -----                         |           |                |          |            |        |          |

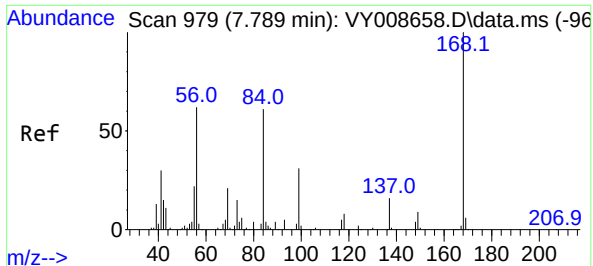
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051122\  
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Sample : N2762-07RE  
Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB17RE

Quant Time: May 12 06:29:24 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050922S.M  
Quant Title : SW846 8260  
QLast Update : Mon May 09 19:21:20 2022  
Response via : Initial Calibration

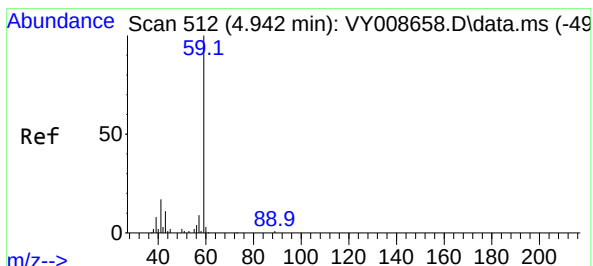
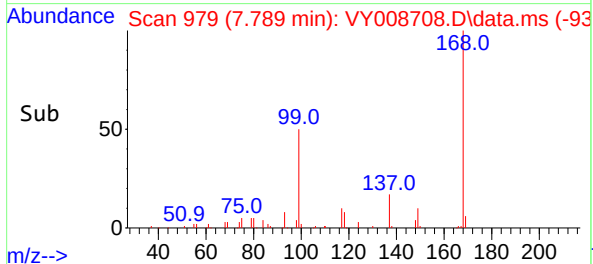
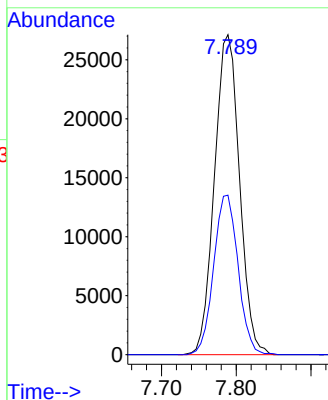
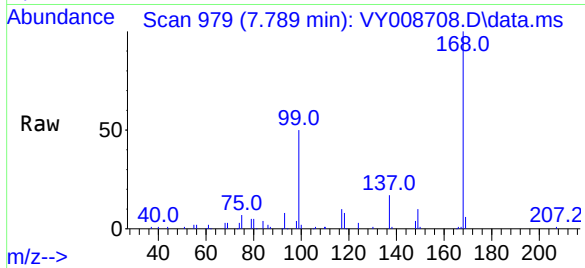




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

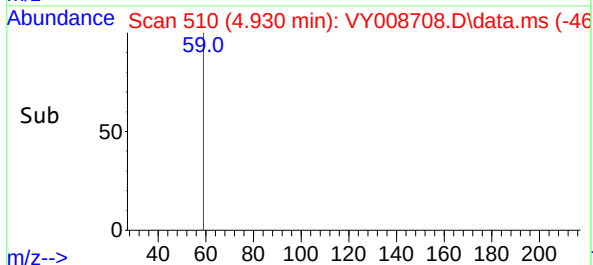
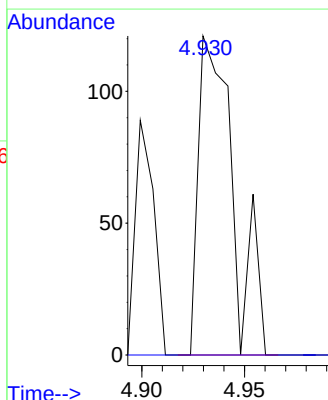
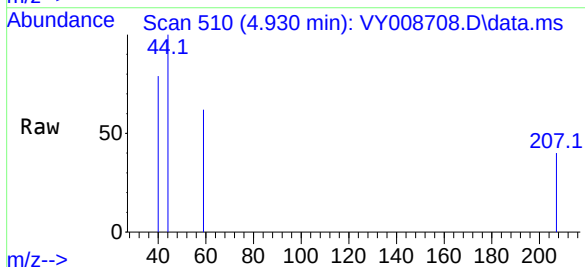
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB17RE

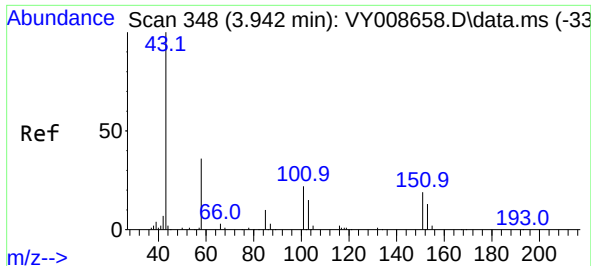
Tgt Ion:168 Resp: 63336  
Ion Ratio Lower Upper  
168 100  
99 49.8 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.930 min Scan# 510  
Delta R.T. -0.012 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

Tgt Ion: 59 Resp: 143  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

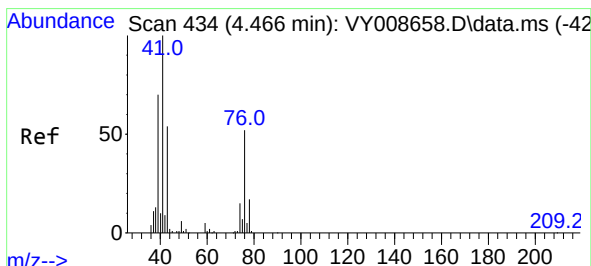
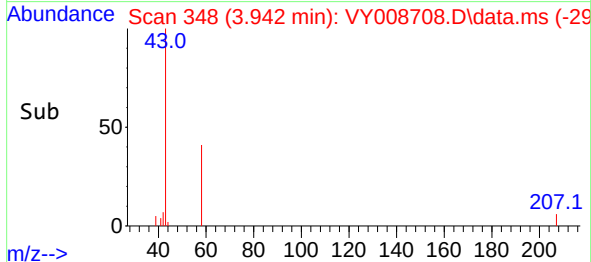
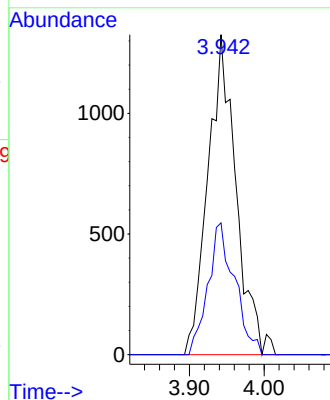
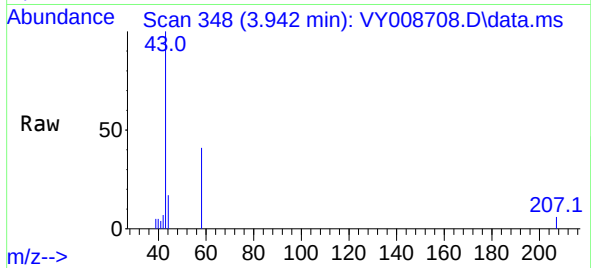




#16  
Acetone  
Concen: 27.117 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

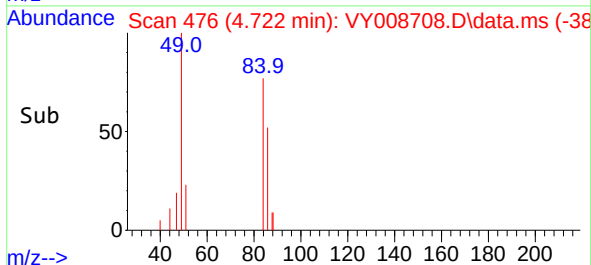
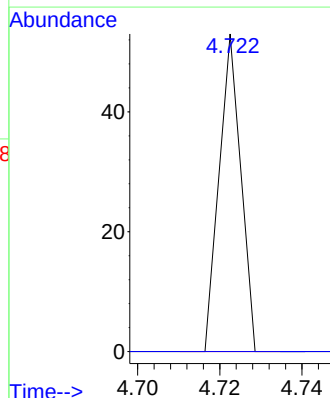
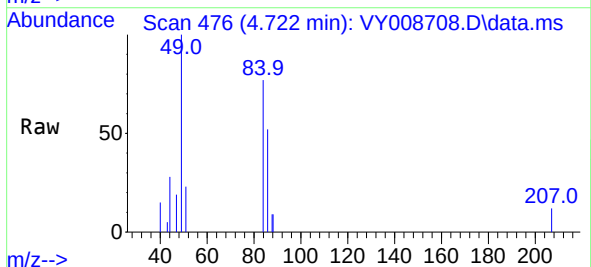
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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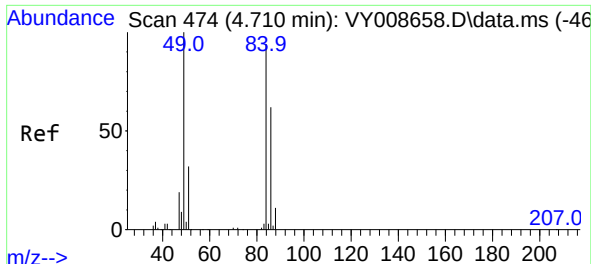
Tgt Ion: 43 Resp: 3472  
Ion Ratio Lower Upper  
43 100  
58 41.2 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.256 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

Tgt Ion: 43 Resp: 19  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#

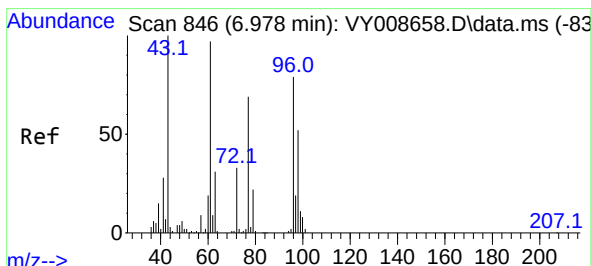
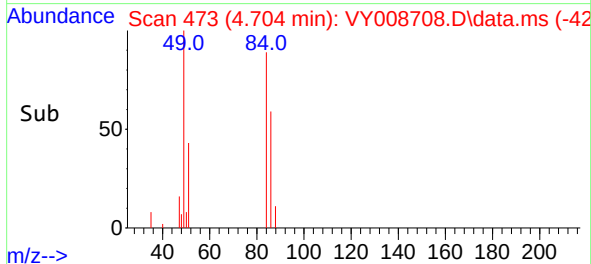
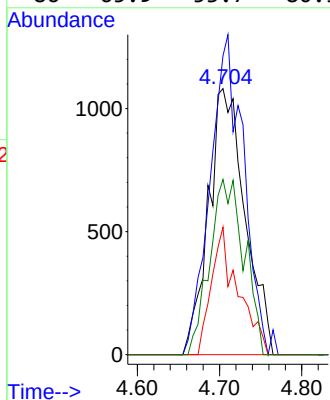
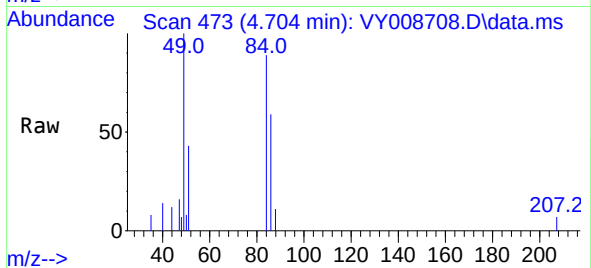




#20  
Methylene Chloride  
Concen: 4.315 ug/l  
RT: 4.704 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

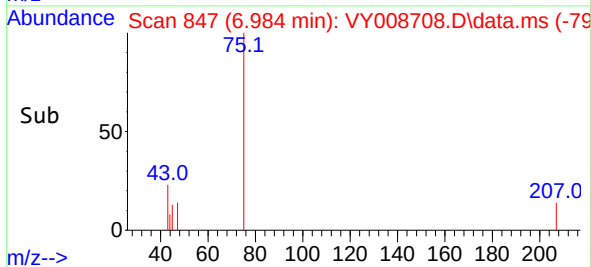
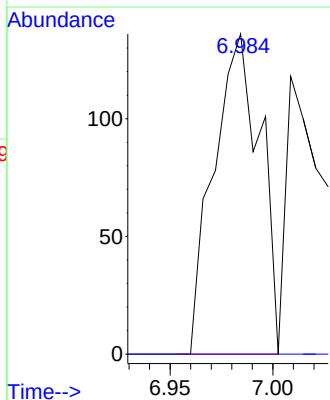
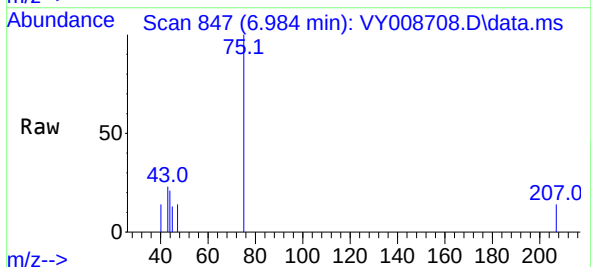
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB17RE

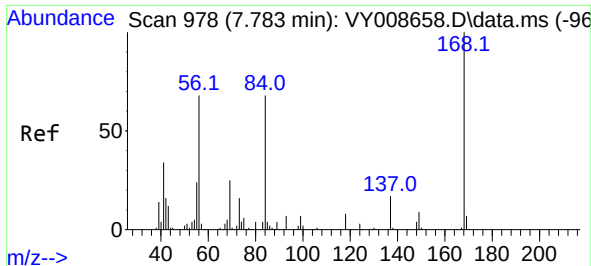
Tgt Ion: 84 Resp: 3355  
Ion Ratio Lower Upper  
84 100  
49 112.3 114.4 171.6#  
51 47.9 35.3 52.9  
86 65.9 53.7 80.5



#25  
2-Butanone  
Concen: 1.017 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

Tgt Ion: 43 Resp: 214  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.7 26.5#

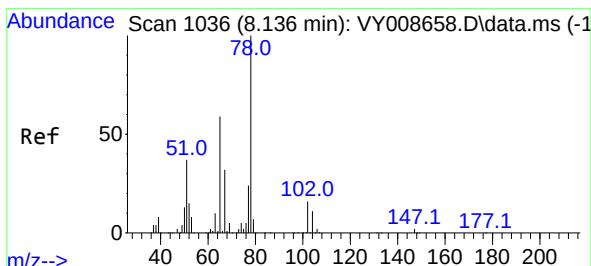
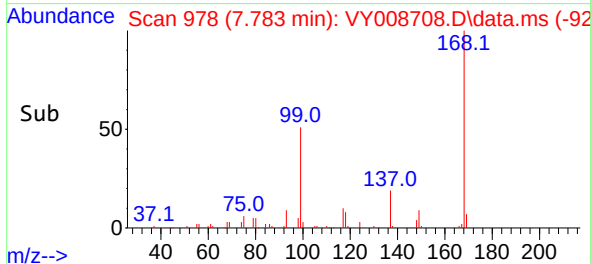
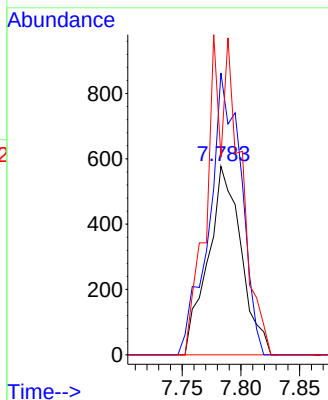
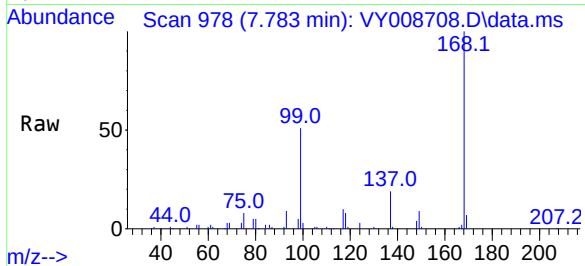




#31  
Cyclohexane  
Concen: 1.054 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

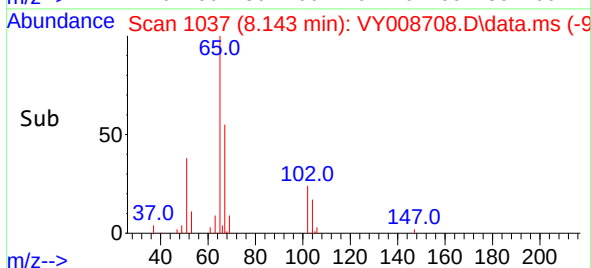
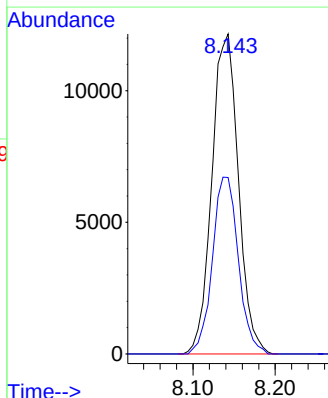
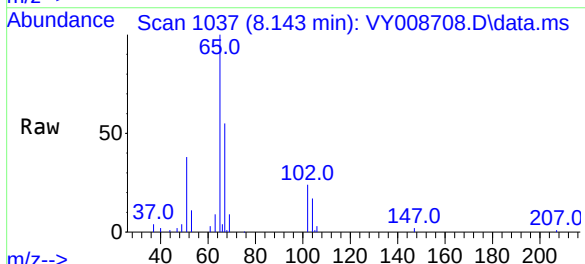
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB17RE

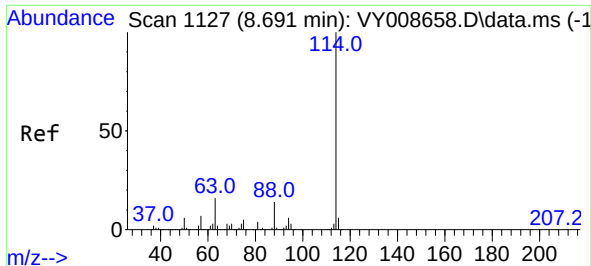
Tgt Ion: 56 Resp: 1132  
Ion Ratio Lower Upper  
56 100  
69 149.6 26.7 40.1#  
84 104.9 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 50.243 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.007 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

Tgt Ion: 65 Resp: 27267  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY008708.D

Acq: 11 May 2022 15:40

Instrument :

MSVOA\_Y

ClientSampleId :

SB17RE

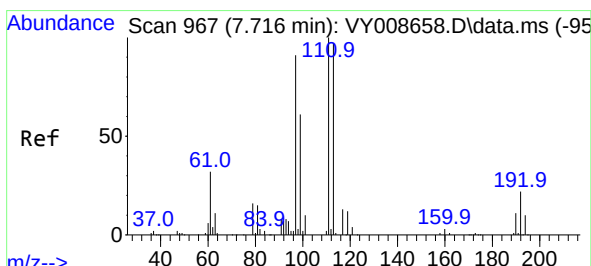
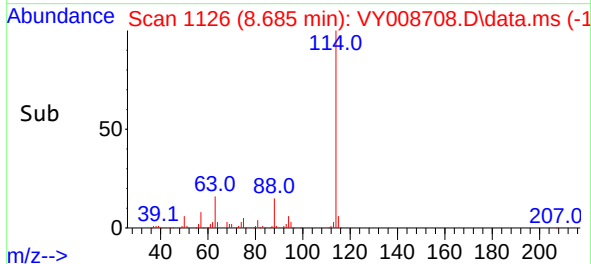
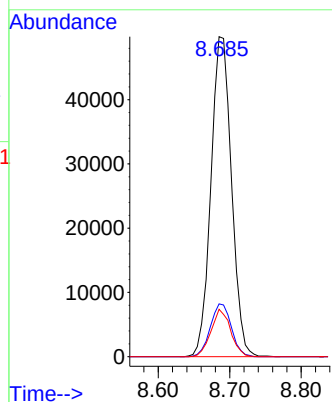
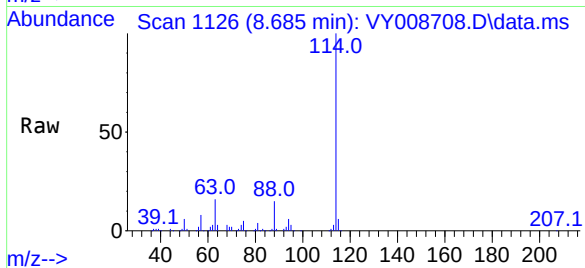
Tgt Ion:114 Resp: 99382

Ion Ratio Lower Upper

114 100

63 16.5 0.0 43.2

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.015 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008708.D

Acq: 11 May 2022 15:40

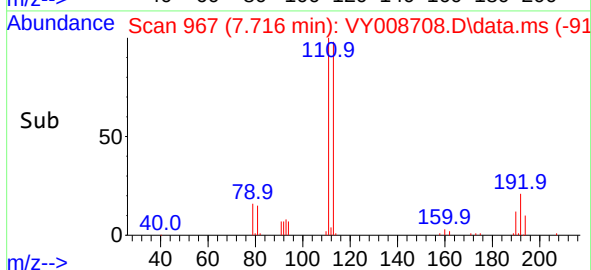
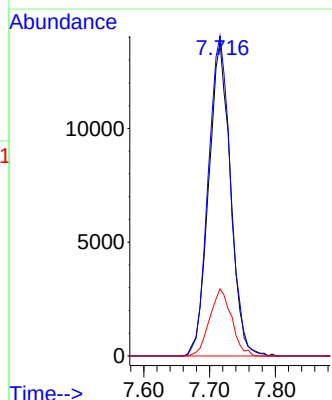
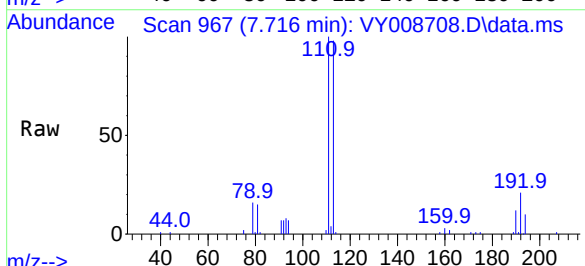
Tgt Ion:113 Resp: 31856

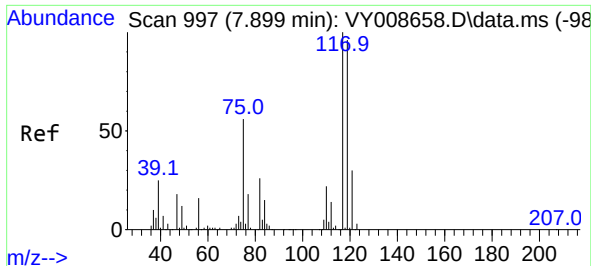
Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 21.4 17.6 26.4

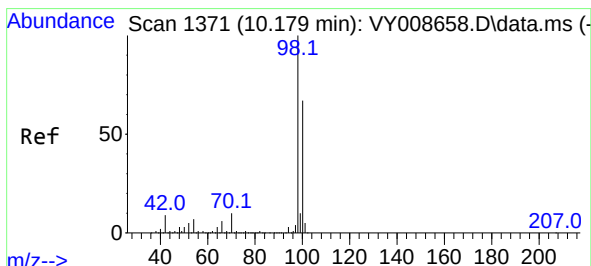
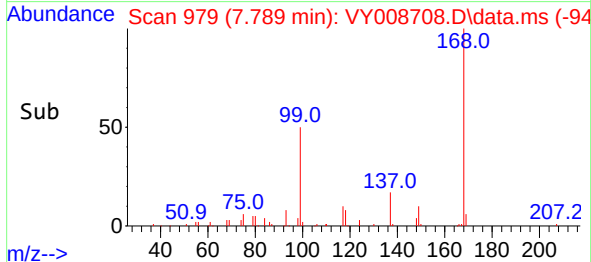
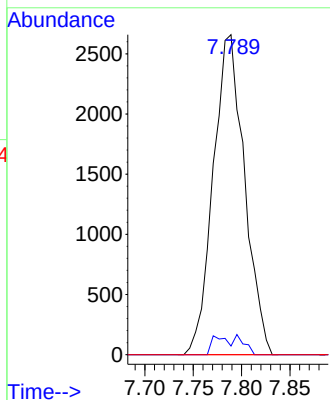
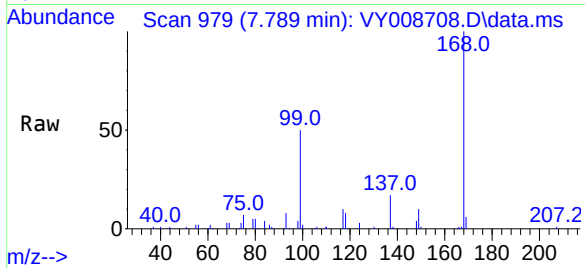




#38  
Carbon Tetrachloride  
Concen: 6.004 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

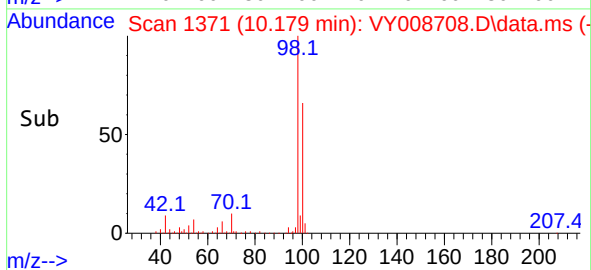
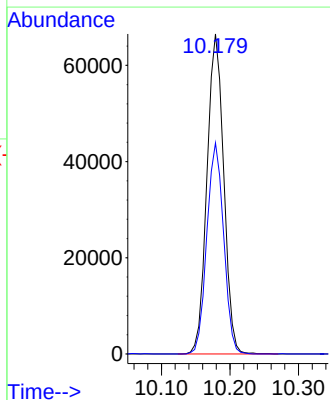
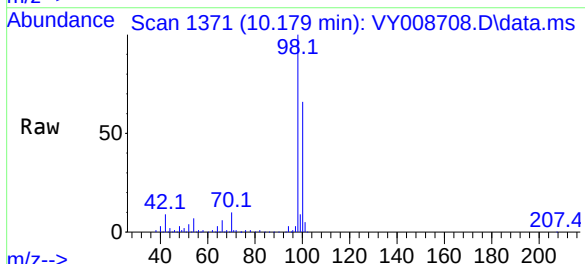
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB17RE

Tgt Ion:117 Resp: 5975  
Ion Ratio Lower Upper  
117 100  
119 2.7 77.9 116.9#  
121 0.0 24.8 37.2#

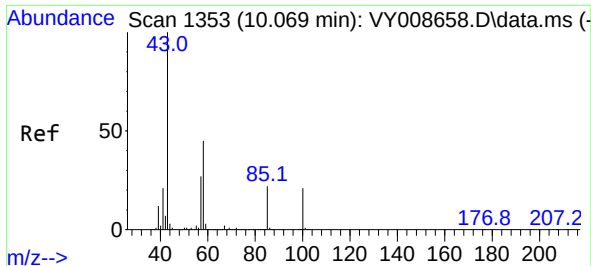


#50  
Toluene-d8  
Concen: 52.392 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

Tgt Ion: 98 Resp: 113072  
Ion Ratio Lower Upper  
98 100  
100 66.0 50.2 75.2



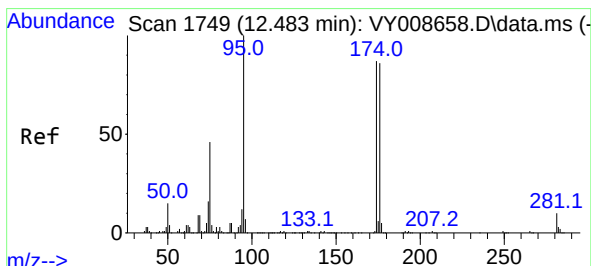
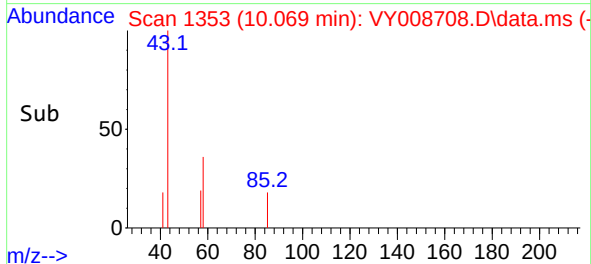
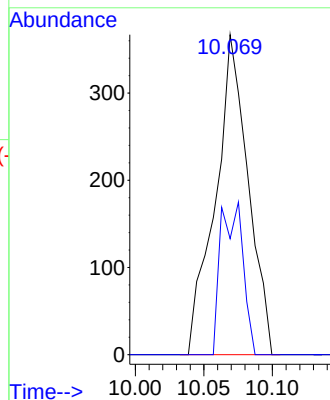
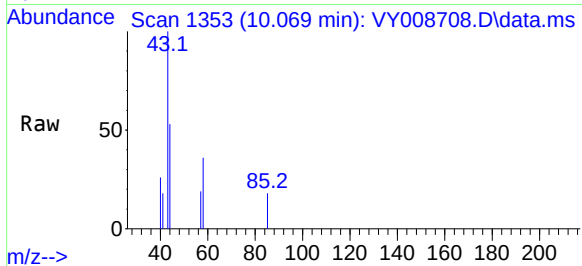




#51  
4-Methyl-2-Pentanone  
Concen: 1.314 ug/l  
RT: 10.069 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

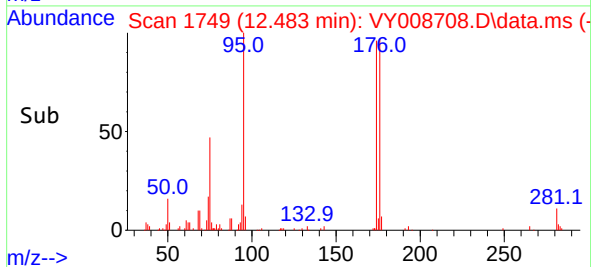
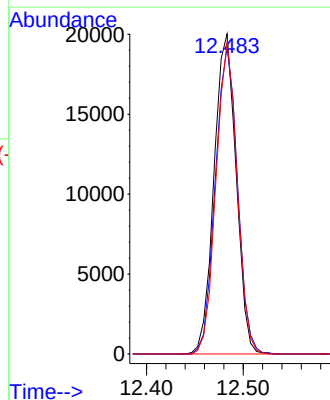
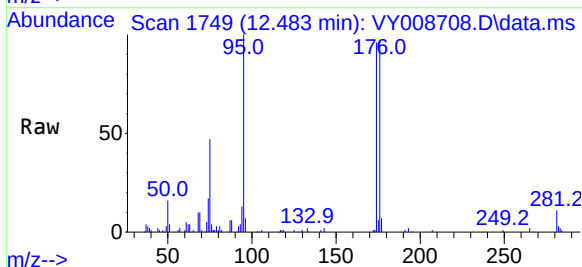
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB17RE

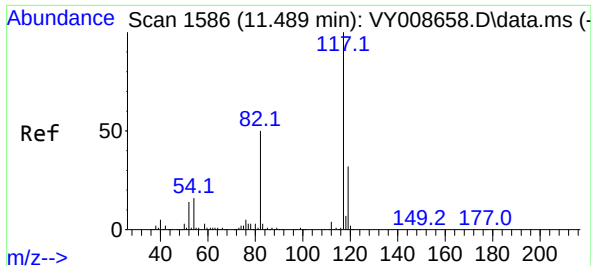
Tgt Ion: 43 Resp: 611  
Ion Ratio Lower Upper  
43 100  
58 32.2 28.1 42.1



#62  
4-Bromofluorobenzene  
Concen: 40.837 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

Tgt Ion: 95 Resp: 31708  
Ion Ratio Lower Upper  
95 100  
174 96.0 0.0 177.0  
176 93.1 0.0 175.8

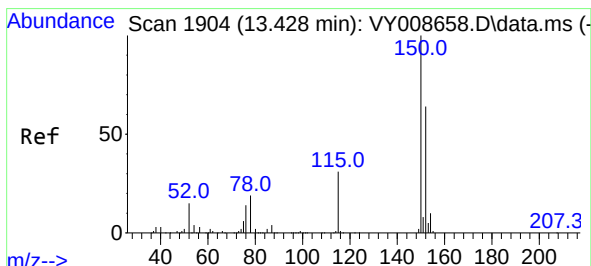
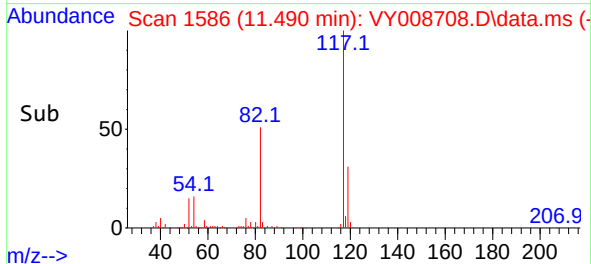
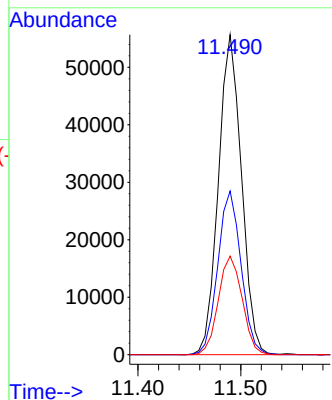
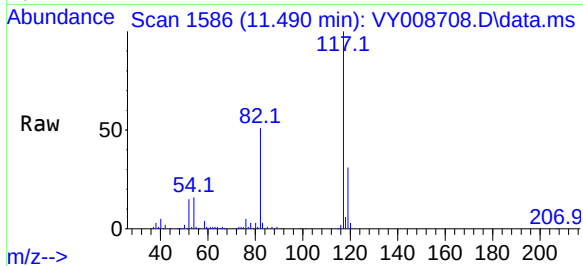




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.001 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

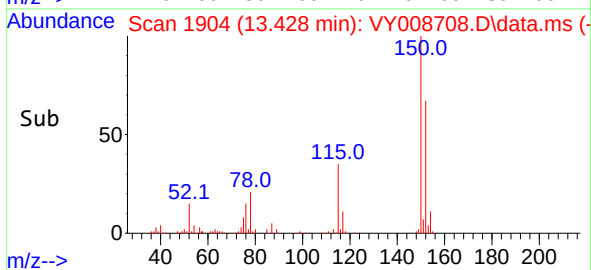
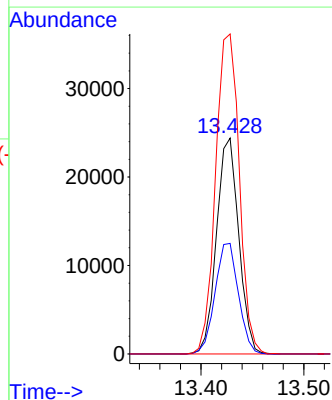
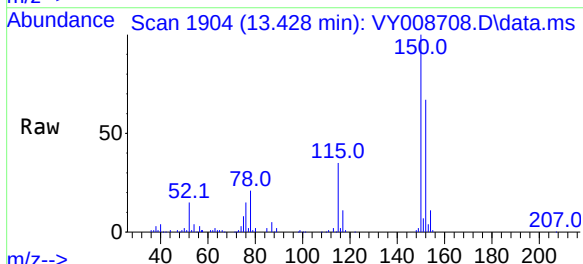
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB17RE

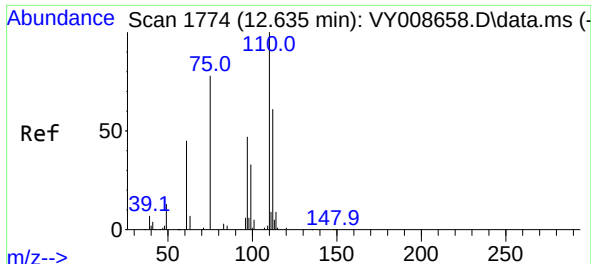
Tgt Ion:117 Resp: 86757  
Ion Ratio Lower Upper  
117 100  
82 51.2 43.0 64.4  
119 30.8 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

Tgt Ion:152 Resp: 36653  
Ion Ratio Lower Upper  
152 100  
115 53.8 28.2 84.7  
150 157.5 0.0 347.6

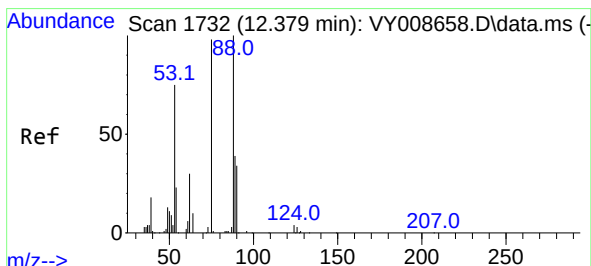
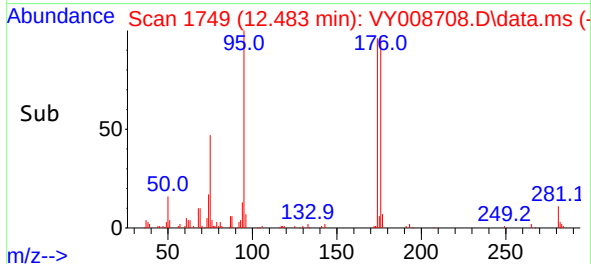
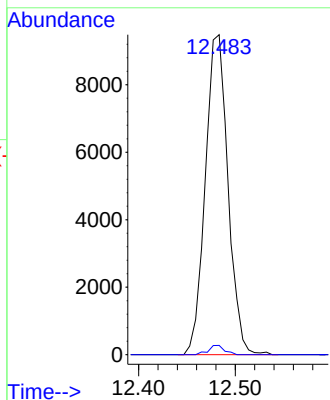
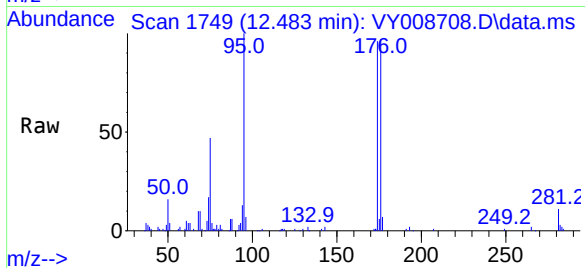




#76  
1,2,3-Trichloropropane  
Concen: 37.403 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB17RE

Tgt Ion: 75 Resp: 15454  
Ion Ratio Lower Upper  
75 100  
77 2.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.415 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY008708.D  
Acq: 11 May 2022 15:40

Tgt Ion: 75 Resp: 15454  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

