

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101822\  
 Data File : VY010998.D  
 Acq On : 18 Oct 2022 16:44  
 Operator : KP/MD  
 Sample : N5149-10RE  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BP-VPB-RW5-GW-903-905RE

Quant Time: Oct 18 17:26:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

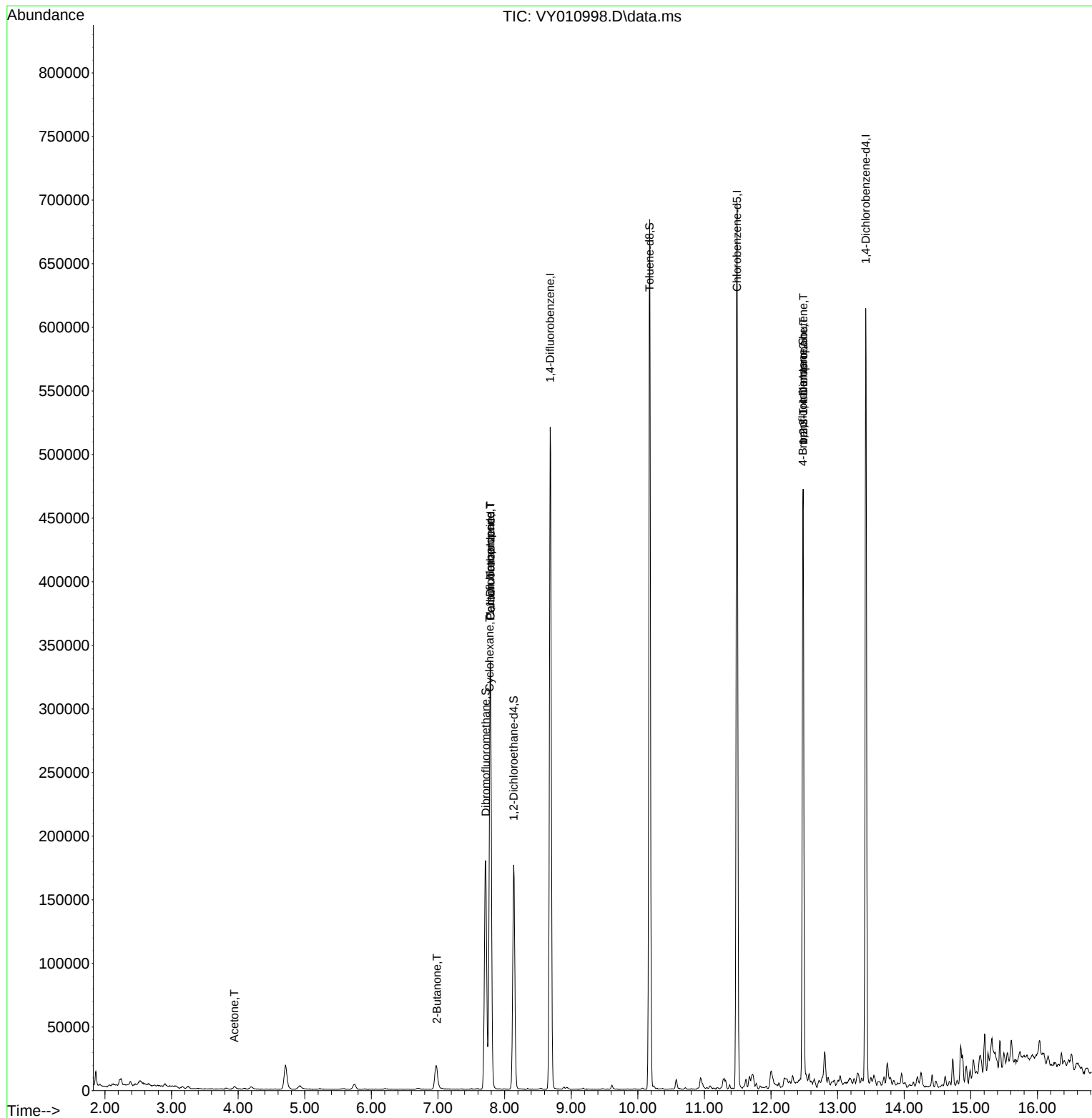
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 266897   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 453383   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 388014   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 157599   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 132396   | 53.852    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 107.700% |          |
| 35) Dibromofluoromethane      | 7.715  | 113   | 132545   | 52.556    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 105.120% |          |
| 50) Toluene-d8                | 10.178 | 98    | 449419   | 47.474    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 94.940%  |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 146129   | 43.156    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 86.320%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.917  | 59    | 3219     | Below Cal | #          | 77       |
| 16) Acetone                   | 3.942  | 43    | 3851     | 5.394     | ug/l       | 90       |
| 18) Methyl Acetate            | 4.509  | 43    | 20       | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.716  | 84    | 14157    | Below Cal | #          | 82       |
| 25) 2-Butanone                | 6.984  | 43    | 2525     | 2.332     | ug/l       | 93       |
| 31) Cyclohexane               | 7.776  | 56    | 5391     | 1.146     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.782  | 75    | 20013    | 4.742     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 26097    | 5.990     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 73870    | 41.285    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 73870    | 88.793    | ug/l #     | 8        |
| -----                         |        |       |          |           |            |          |

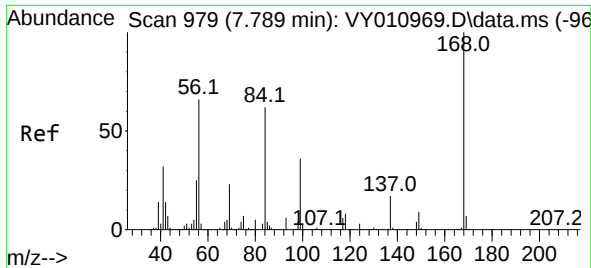
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB-RW5-GW-903-905RE

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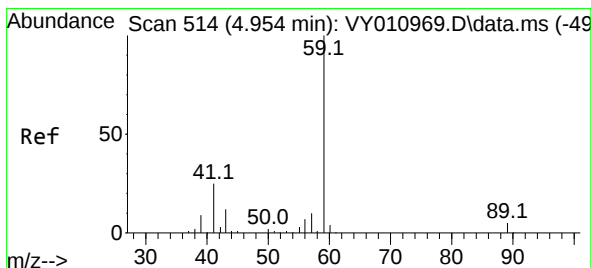
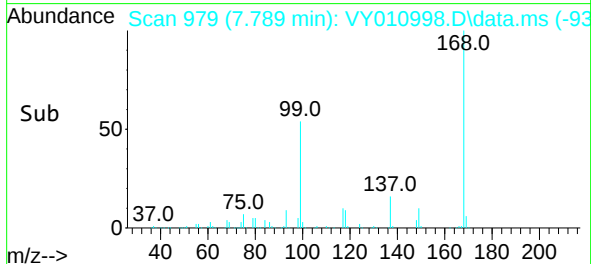
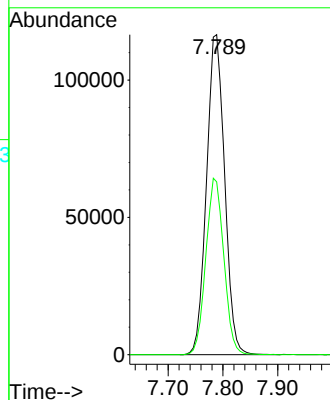
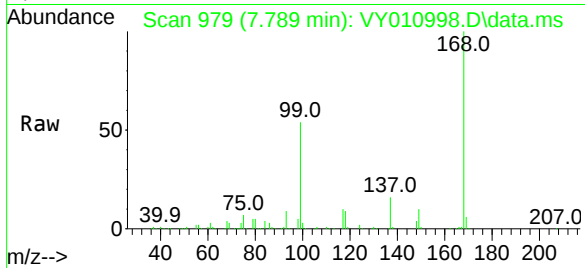




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

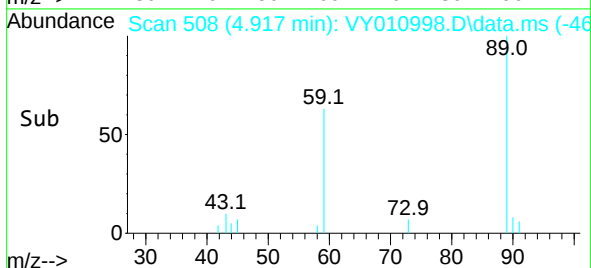
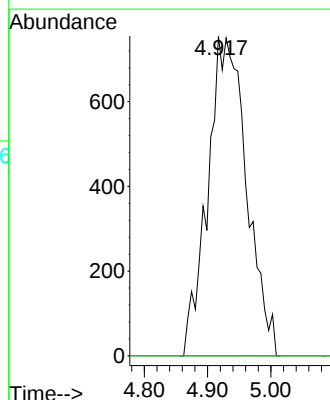
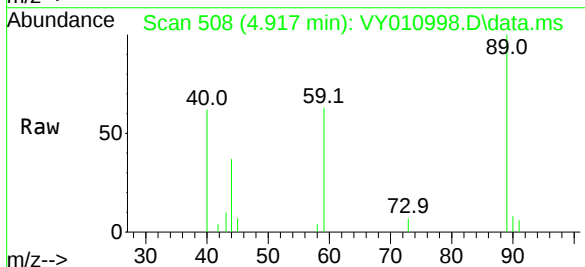
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-RW5-GW-903-905RE

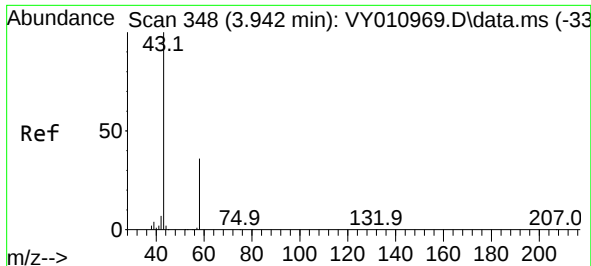
Tgt Ion:168 Resp: 266897  
Ion Ratio Lower Upper  
168 100  
99 54.0 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.917 min Scan# 508  
Delta R.T. -0.037 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

Tgt Ion: 59 Resp: 3219  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

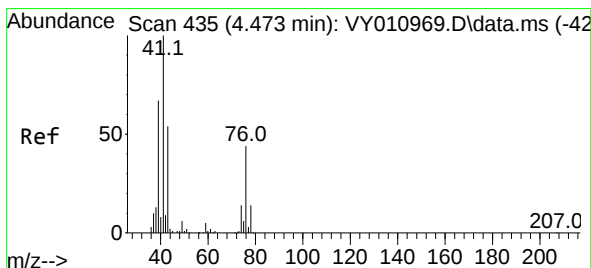
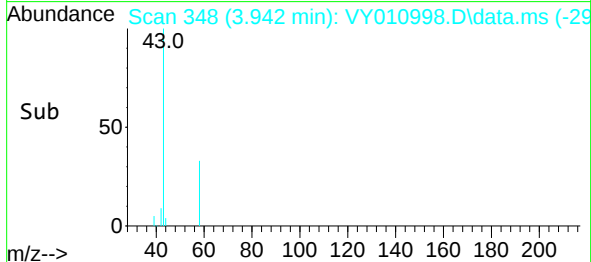
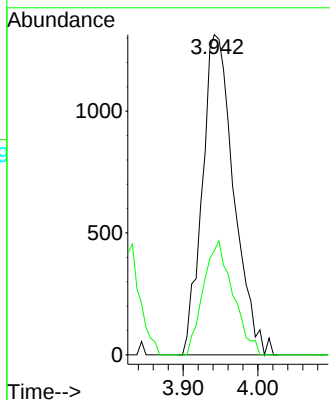
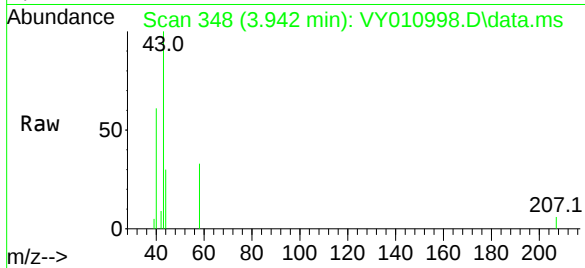




#16  
Acetone  
Concen: 5.394 ug/l  
RT: 3.942 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

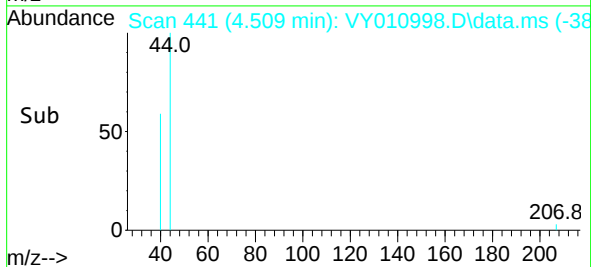
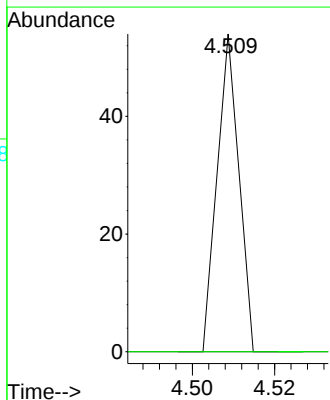
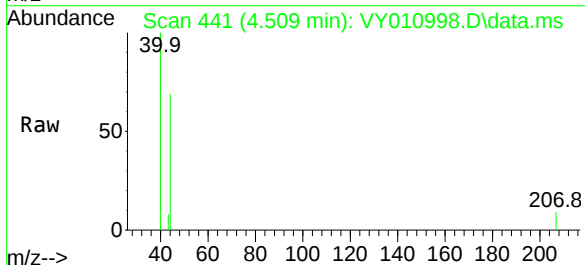
Instrument :  
MSVOA\_Y  
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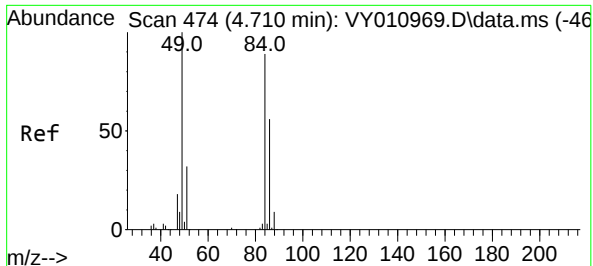
Tgt Ion: 43 Resp: 3851  
Ion Ratio Lower Upper  
43 100  
58 32.6 22.0 33.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.509 min Scan# 441  
Delta R.T. 0.036 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

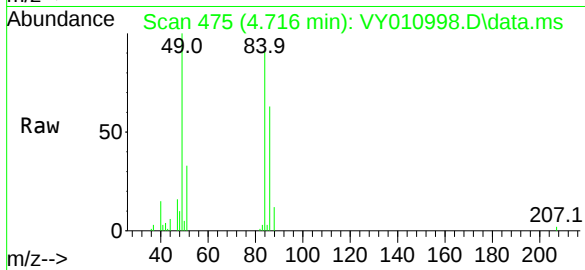
Tgt Ion: 43 Resp: 20  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



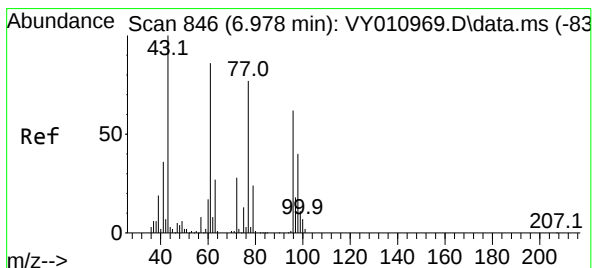
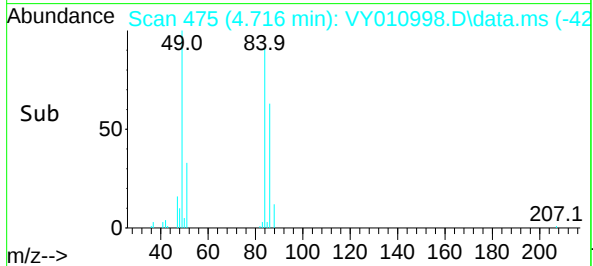
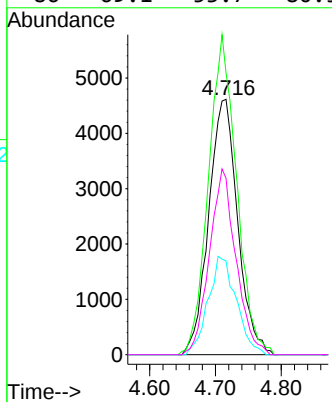


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-RW5-GW-903-905RE

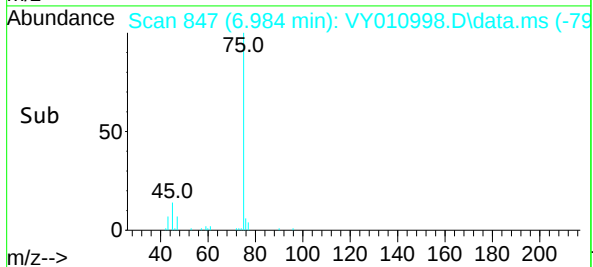
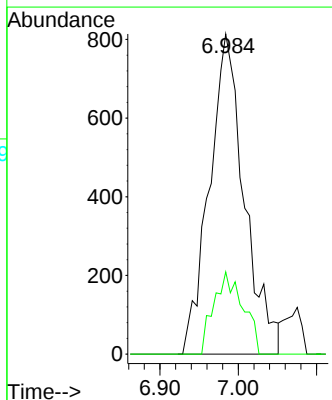
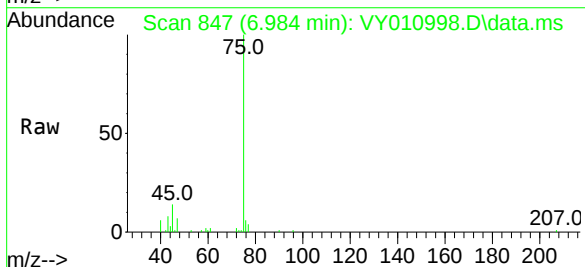


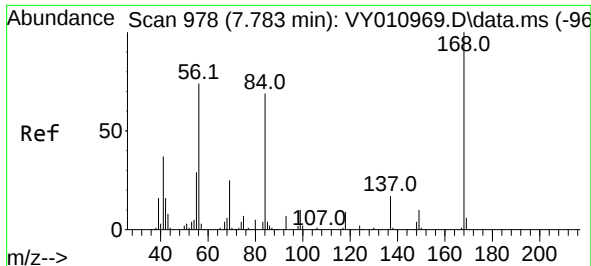
Tgt Ion: 84 Resp: 14157  
Ion Ratio Lower Upper  
84 100  
49 110.3 114.4 171.6#  
51 36.7 35.3 52.9  
86 69.1 53.7 80.5



#25  
2-Butanone  
Concen: 2.332 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

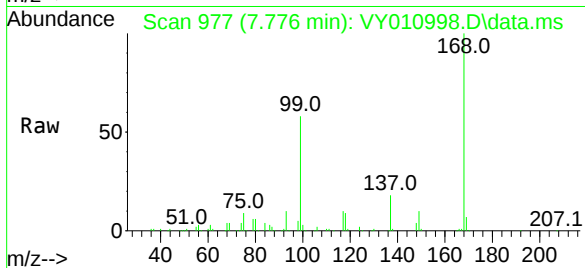
Tgt Ion: 43 Resp: 2525  
Ion Ratio Lower Upper  
43 100  
72 25.7 17.7 26.5



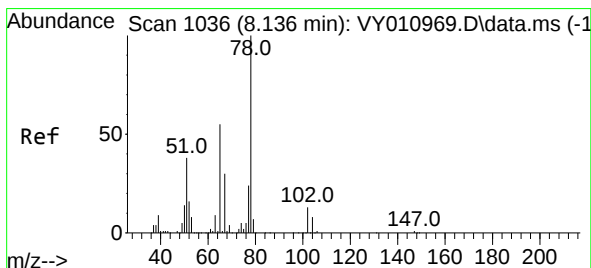
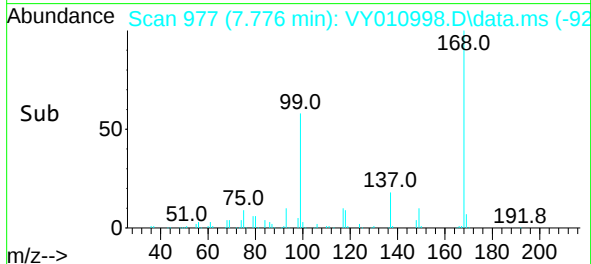
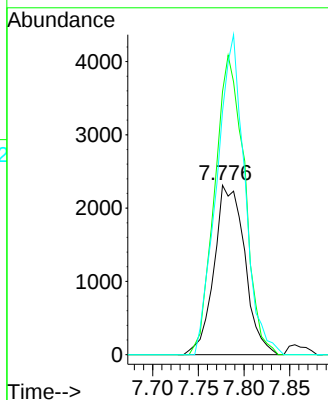


#31  
Cyclohexane  
Concen: 1.146 ug/l  
RT: 7.776 min Scan# 91  
Delta R.T. -0.007 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

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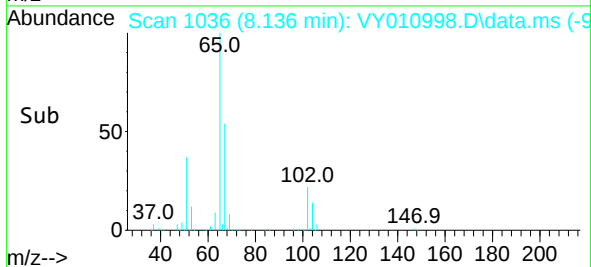
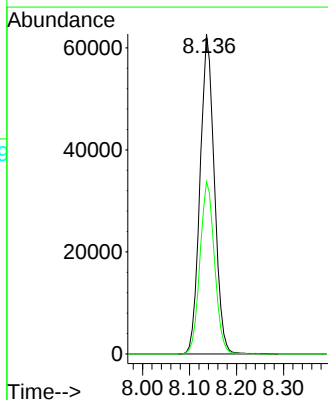
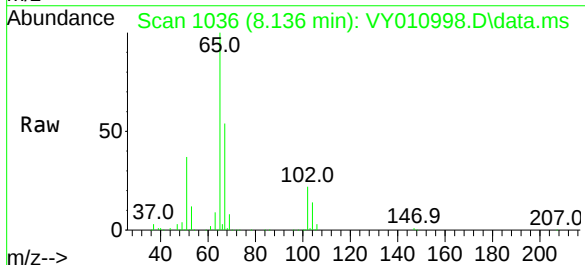


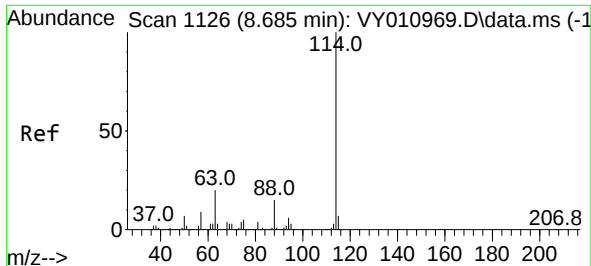
Tgt Ion: 56 Resp: 5391  
Ion Ratio Lower Upper  
56 100  
69 155.2 26.7 40.1#  
84 143.6 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 53.852 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

Tgt Ion: 65 Resp: 132396  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010998.D

Acq: 18 Oct 2022 16:44

Instrument :

MSVOA\_Y

ClientSampleId :

BP-VPB-RW5-GW-903-905RE

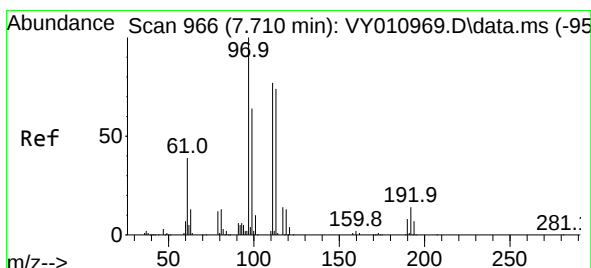
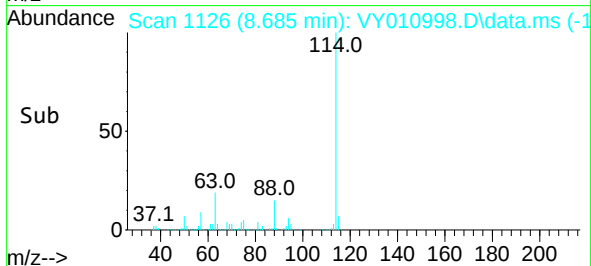
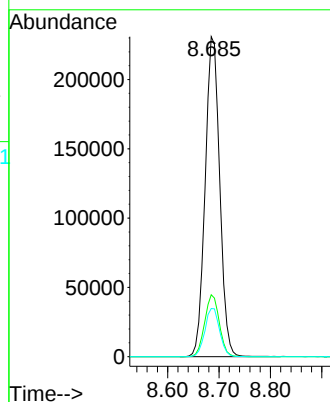
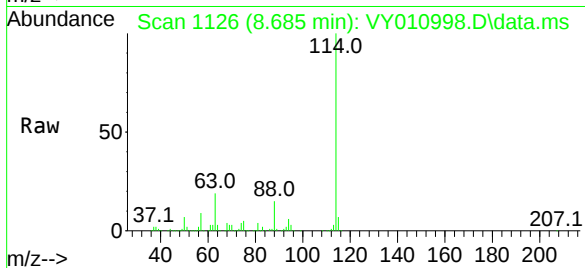
Tgt Ion:114 Resp: 453383

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.556 ug/l

RT: 7.715 min Scan# 967

Delta R.T. 0.005 min

Lab File: VY010998.D

Acq: 18 Oct 2022 16:44

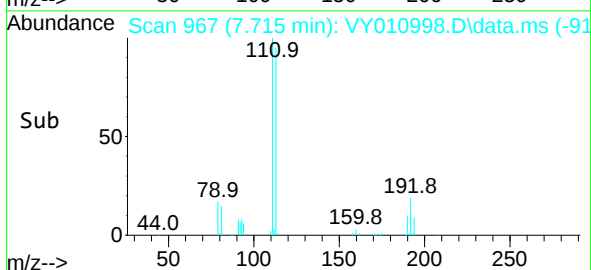
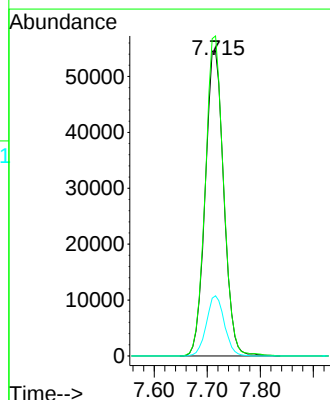
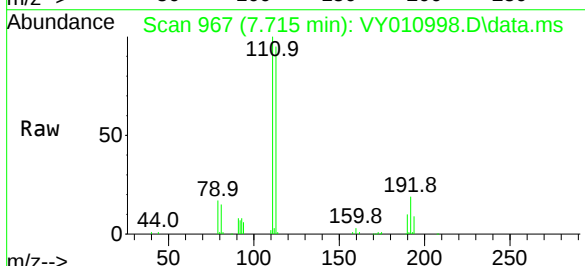
Tgt Ion:113 Resp: 132545

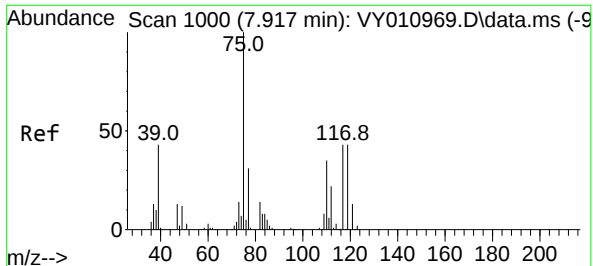
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.742 ug/l

RT: 7.782 min Scan# 91

Delta R.T. -0.135 min

Lab File: VY010998.D

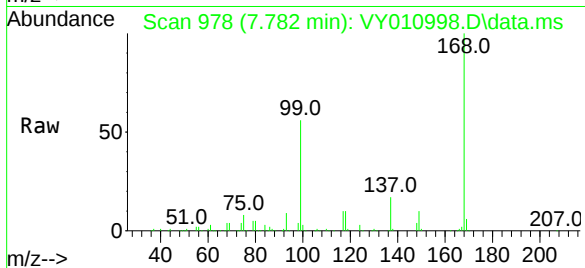
Acq: 18 Oct 2022 16:44

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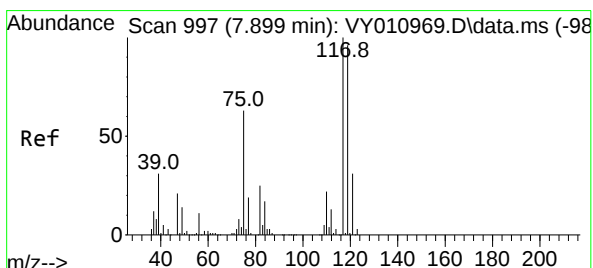
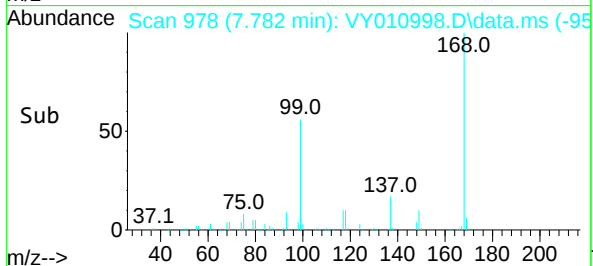
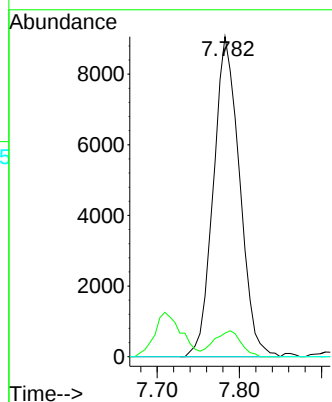
Tgt Ion: 75 Resp: 20013

Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.990 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010998.D

Acq: 18 Oct 2022 16:44

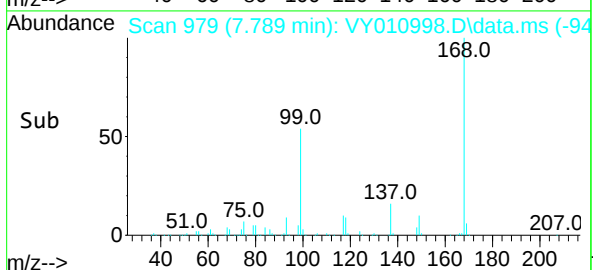
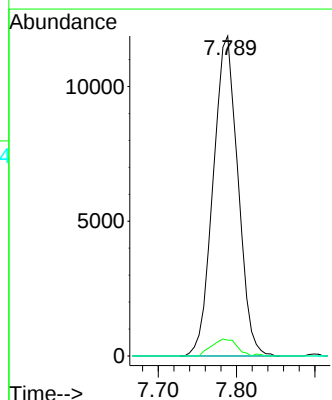
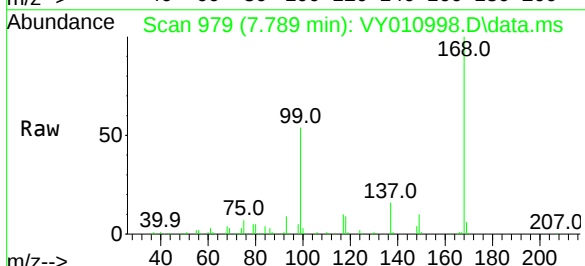
Tgt Ion: 117 Resp: 26097

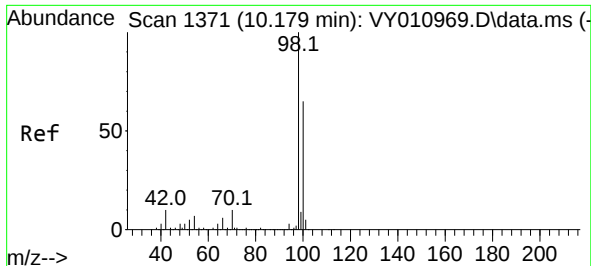
Ion Ratio Lower Upper

117 100

119 5.0 77.9 116.9#

121 0.0 24.8 37.2#

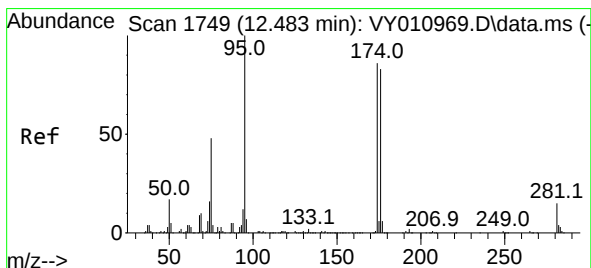
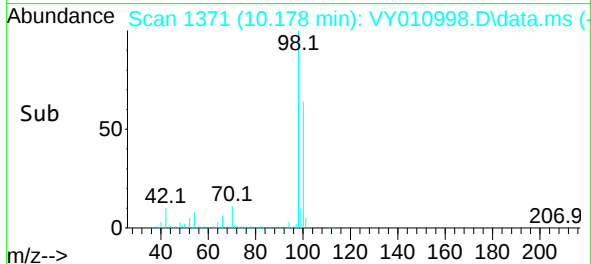
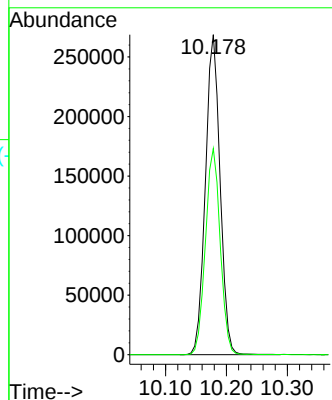
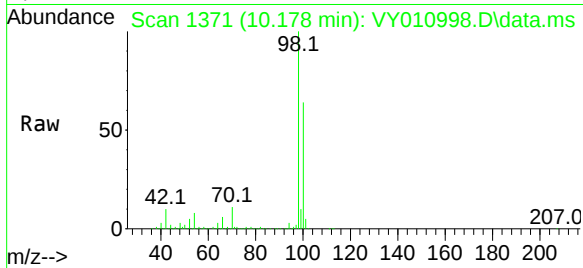




#50  
Toluene-d8  
Concen: 47.474 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

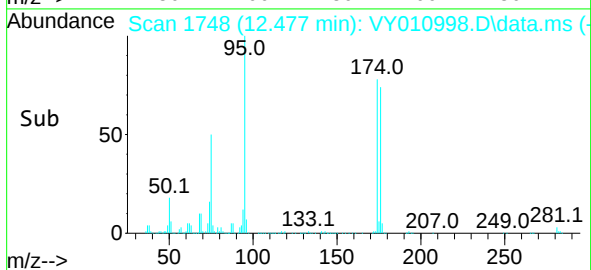
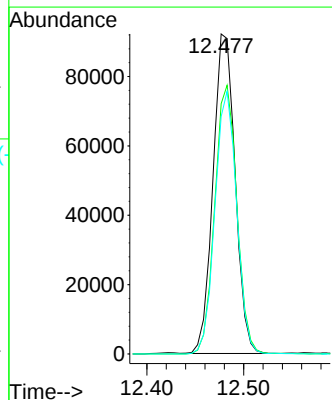
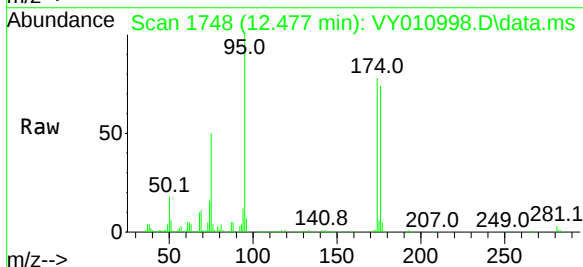
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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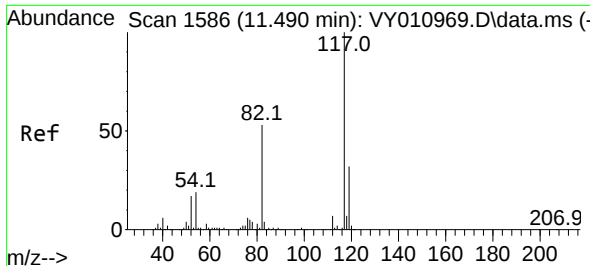
Tgt Ion: 98 Resp: 449419  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 43.156 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

Tgt Ion: 95 Resp: 146129  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 177.0  
176 80.8 0.0 175.8

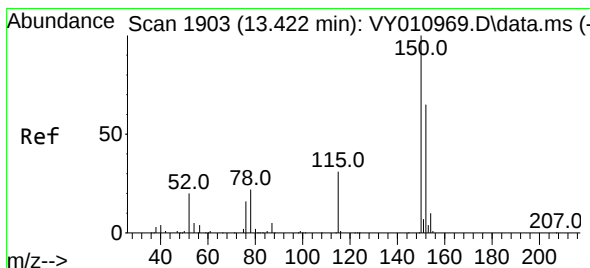
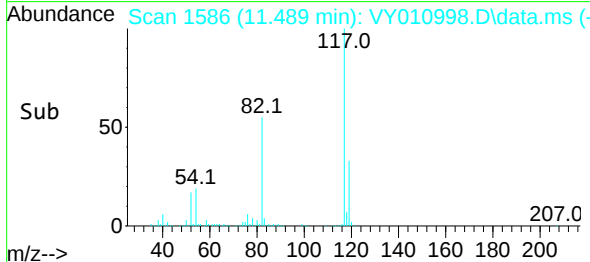
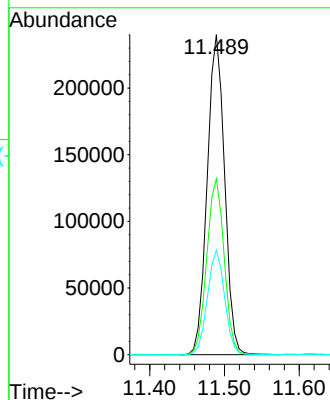
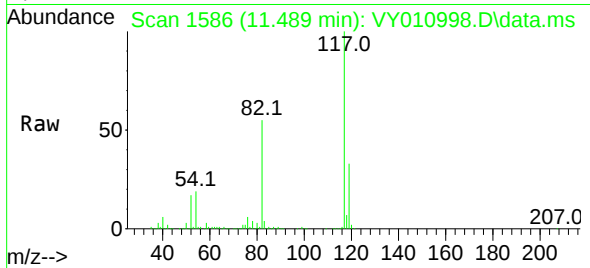




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

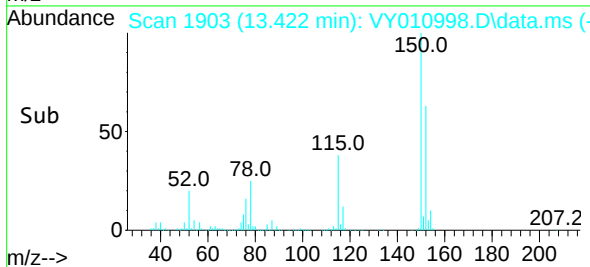
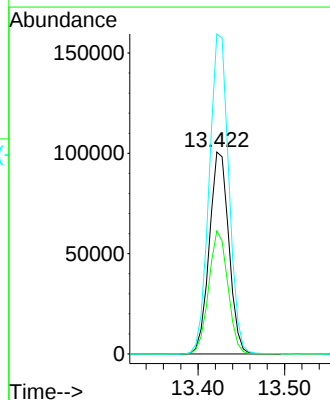
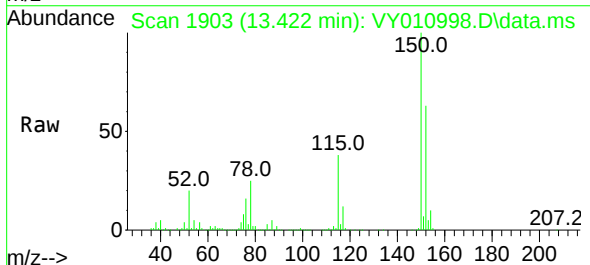
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MSVOA\_Y  
ClientSampleId :  
BP-VPB-RW5-GW-903-905RE

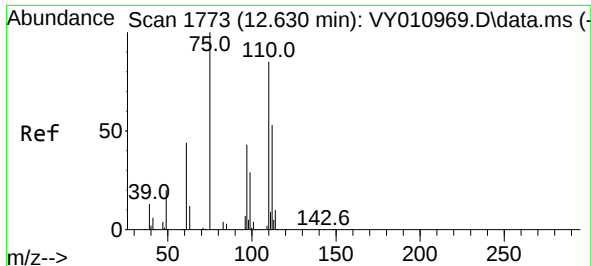
Tgt Ion:117 Resp: 388014  
Ion Ratio Lower Upper  
117 100  
82 55.0 43.0 64.4  
119 32.7 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

Tgt Ion:152 Resp: 157599  
Ion Ratio Lower Upper  
152 100  
115 59.6 28.2 84.7  
150 158.8 0.0 347.6

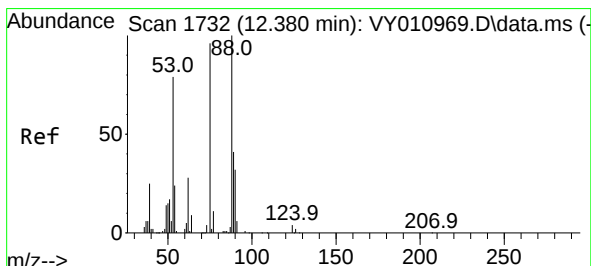
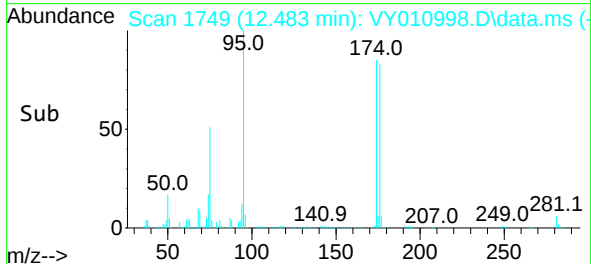
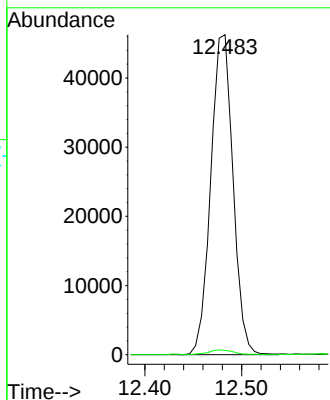
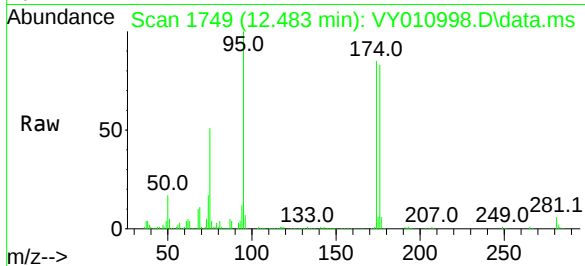




#76  
1,2,3-Trichloropropane  
Concen: 41.285 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.147 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-RW5-GW-903-905RE

Tgt Ion: 75 Resp: 73870  
Ion Ratio Lower Upper  
75 100  
77 1.7 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 88.793 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY010998.D  
Acq: 18 Oct 2022 16:44

Tgt Ion: 75 Resp: 73870  
Ion Ratio Lower Upper  
75 100  
53 0.4 85.3 127.9#  
89 0.1 37.0 55.4#

