

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061223\  
 Data File : VY014117.D  
 Acq On : 12 Jun 2023 13:59  
 Operator : KP/MD  
 Sample : 03123-05  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BP-VPB-RW11-GW-738-740

Quant Time: Jun 13 05:41:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

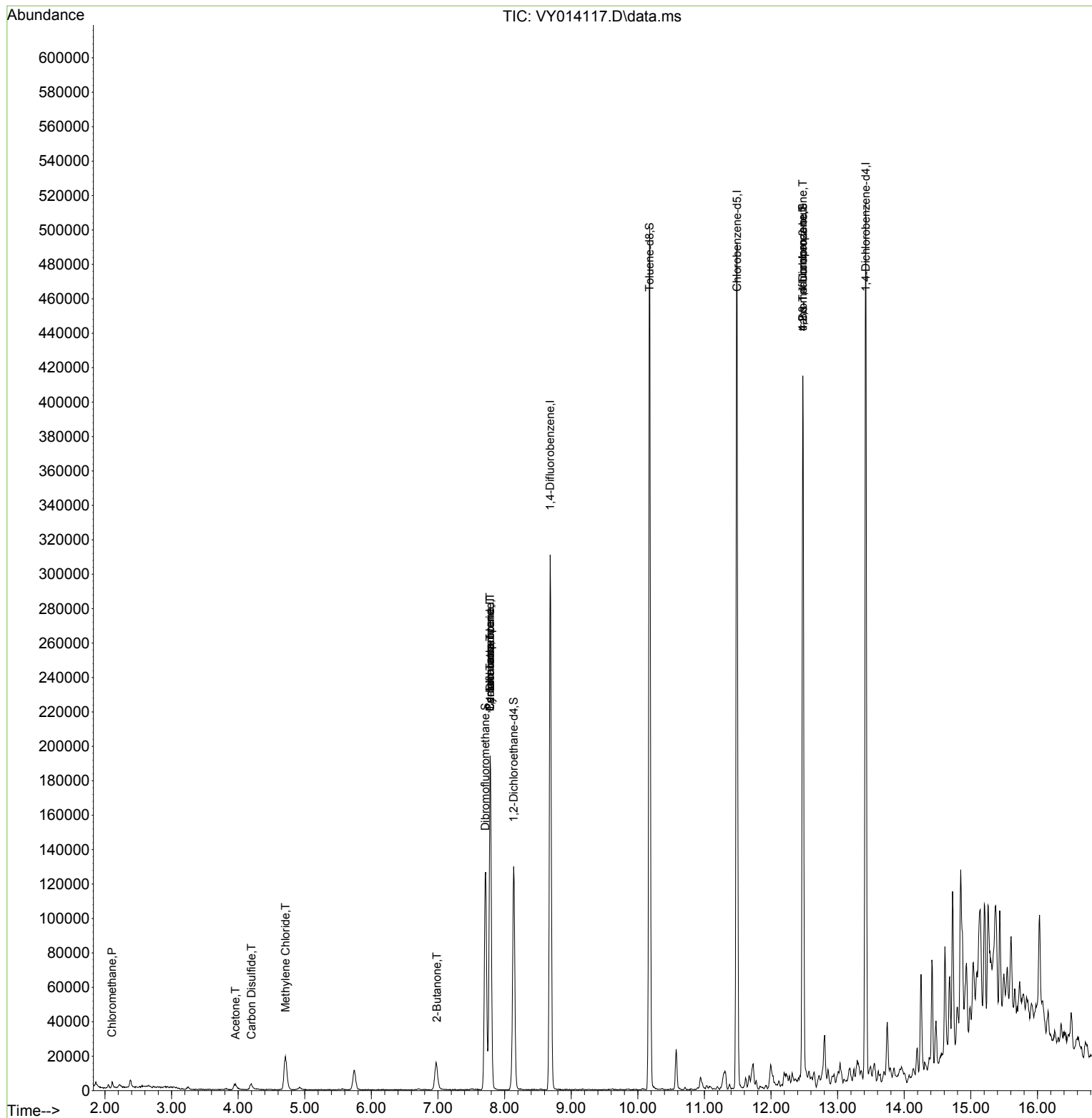
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 148287   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 254879   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 262076   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 127603   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 105319   | 51.004    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 102.000% |          |
| 35) Dibromofluoromethane      | 7.710  | 113   | 85823    | 47.480    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 94.960%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 322056   | 47.658    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 95.320%  |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 114527   | 47.709    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 95.420%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.107  | 50    | 2739     | 1.307     | ug/l       | 92       |
| 11) Tert butyl alcohol        | 4.924  | 59    | 1651     | Below Cal | #          | 89       |
| 16) Acetone                   | 3.960  | 43    | 6969     | 11.196    | ug/l #     | 84       |
| 17) Carbon Disulfide          | 4.198  | 76    | 5606     | 1.022     | ug/l       | 99       |
| 20) Methylene Chloride        | 4.710  | 84    | 13915    | 3.681     | ug/l       | 92       |
| 25) 2-Butanone                | 6.984  | 43    | 2098     | 2.738     | ug/l #     | 84       |
| 31) Cyclohexane               | 7.783  | 56    | 3508     | 1.268     | ug/l #     | 24       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 11330    | 4.021     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 14557    | 4.476     | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 63640    | 38.014    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 63640    | 82.171    | ug/l #     | 11       |
| -----                         |        |       |          |           |            |          |

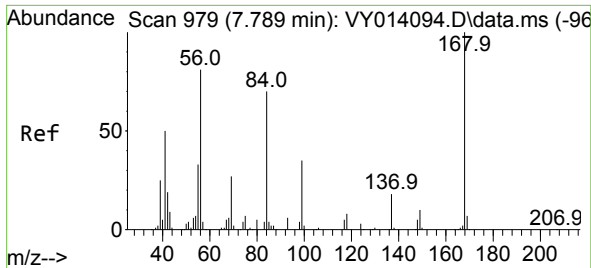
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061223\  
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Sample : 03123-05  
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ALS Vial : 10 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :  
BP-VPB-RW11-GW-738-740

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
Response via : Initial Calibration

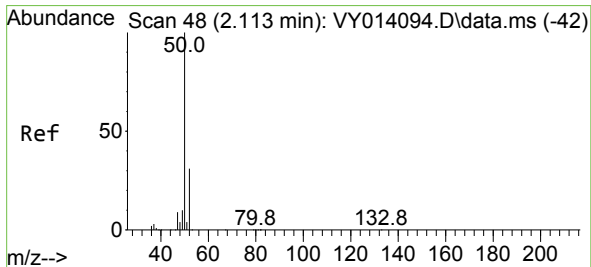
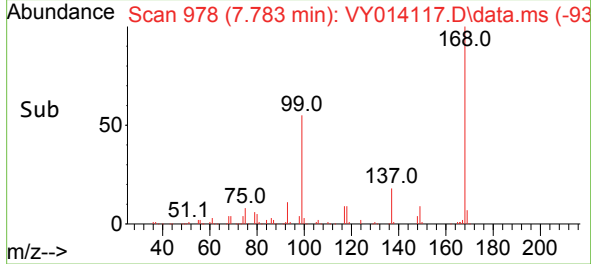
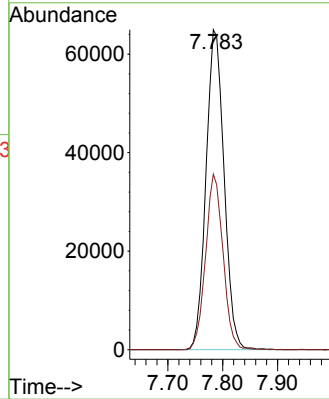
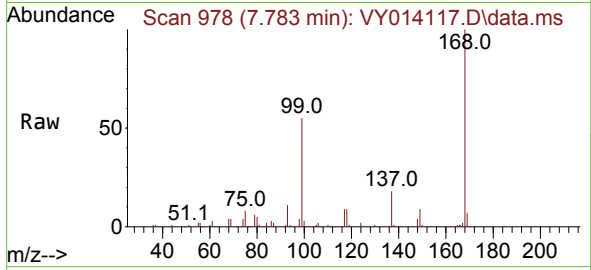




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014117.D  
Acq: 12 Jun 2023 13:59

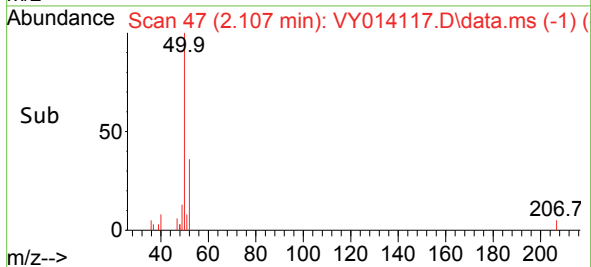
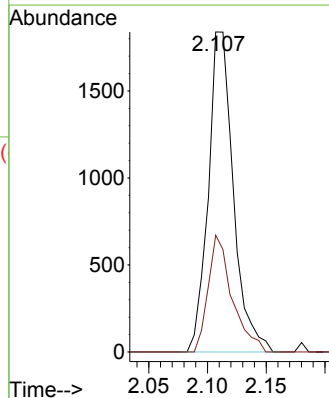
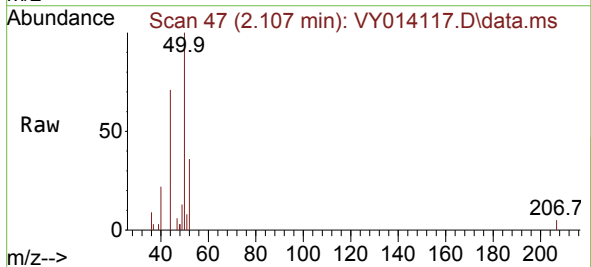
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-RW11-GW-738-740

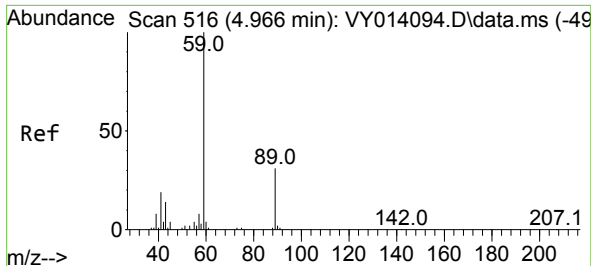
Tgt Ion:168 Resp: 148287  
Ion Ratio Lower Upper  
168 100  
99 54.9 43.4 65.0



#3  
Chloromethane  
Concen: 1.307 ug/l  
RT: 2.107 min Scan# 47  
Delta R.T. -0.006 min  
Lab File: VY014117.D  
Acq: 12 Jun 2023 13:59

Tgt Ion: 50 Resp: 2739  
Ion Ratio Lower Upper  
50 100  
52 36.4 25.4 38.2

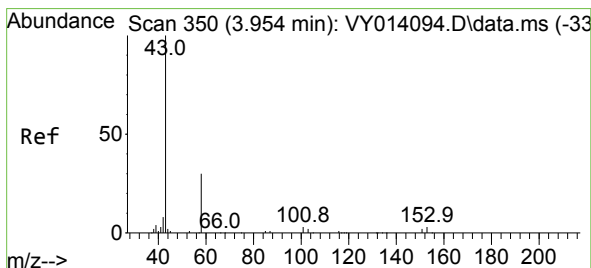
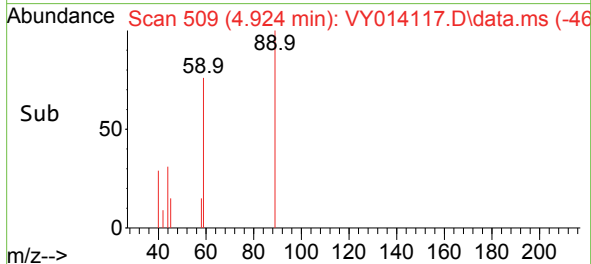
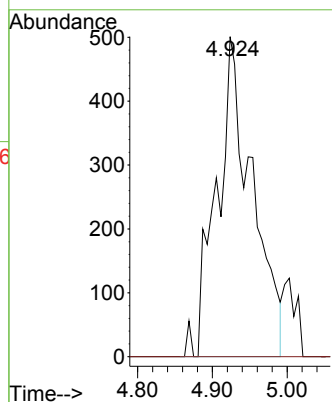
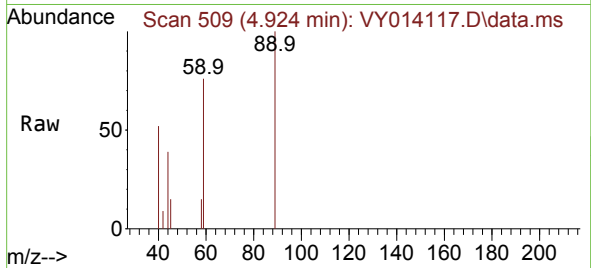




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.924 min Scan# 509  
Delta R.T. -0.042 min  
Lab File: VY014117.D  
Acq: 12 Jun 2023 13:59

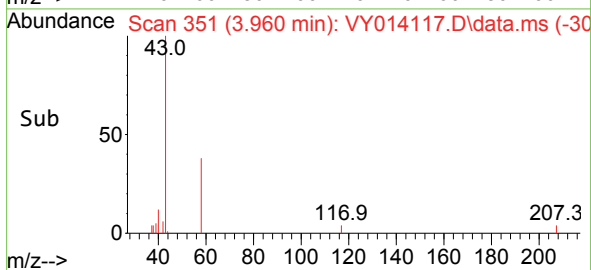
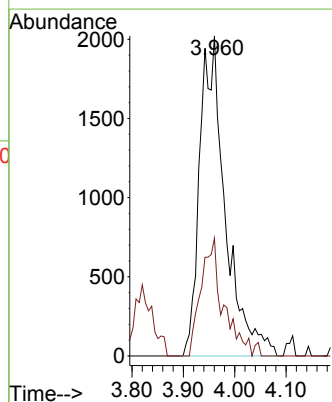
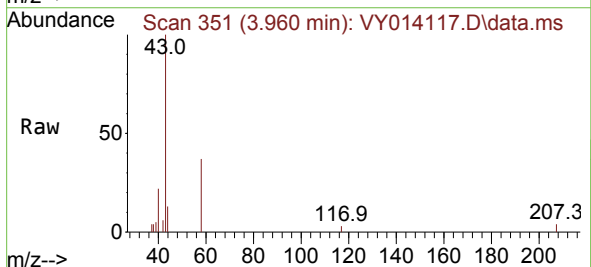
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-RW11-GW-738-740

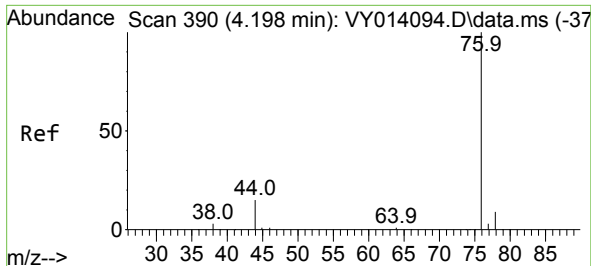
Tgt Ion: 59 Resp: 1651  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#



#16  
Acetone  
Concen: 11.196 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY014117.D  
Acq: 12 Jun 2023 13:59

Tgt Ion: 43 Resp: 6969  
Ion Ratio Lower Upper  
43 100  
58 36.8 22.7 34.1#

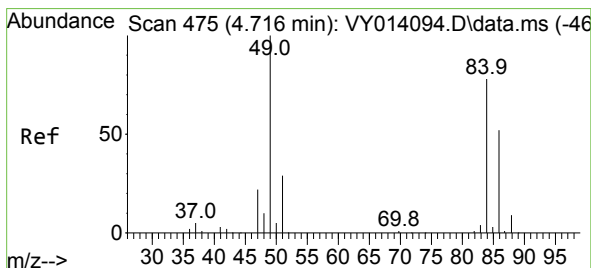
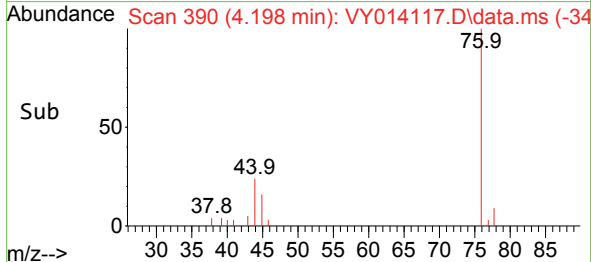
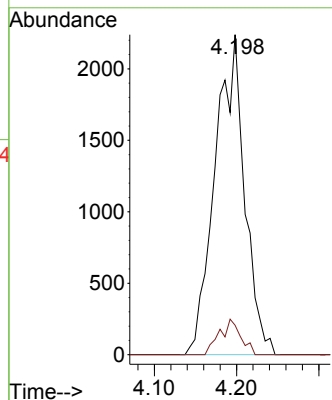
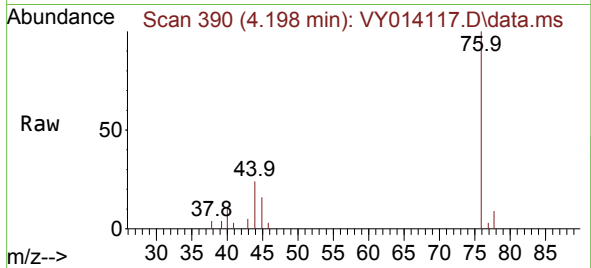




#17  
Carbon Disulfide  
Concen: 1.022 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VY014117.D  
Acq: 12 Jun 2023 13:59

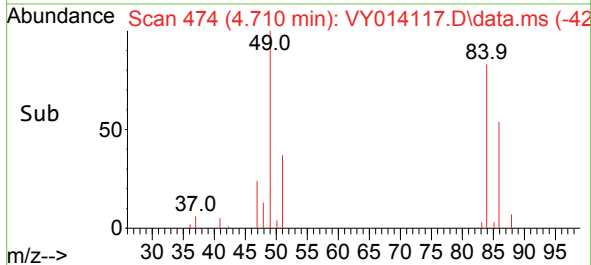
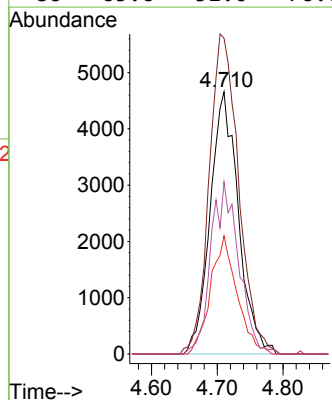
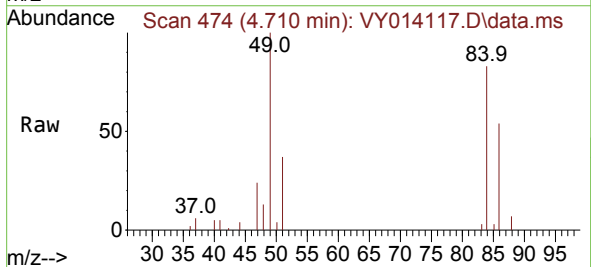
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-RW11-GW-738-740

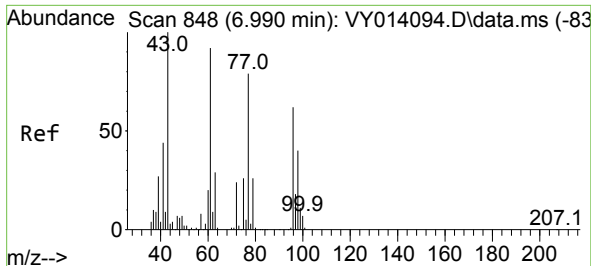
Tgt Ion: 76 Resp: 5606  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.0 10.4



#20  
Methylene Chloride  
Concen: 3.681 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY014117.D  
Acq: 12 Jun 2023 13:59

Tgt Ion: 84 Resp: 13915  
Ion Ratio Lower Upper  
84 100  
49 120.5 106.9 160.3  
51 45.1 33.2 49.8  
86 65.6 51.0 76.6

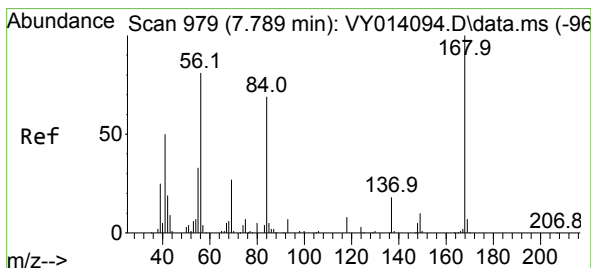
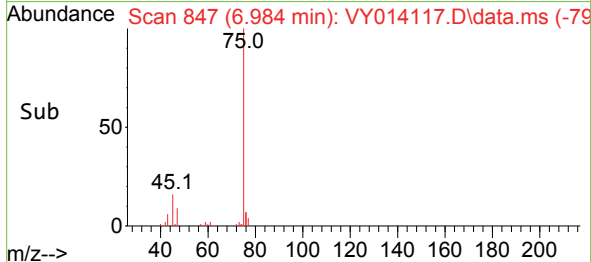
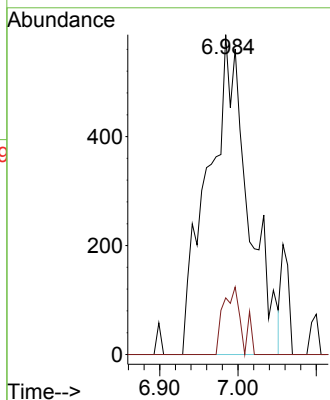
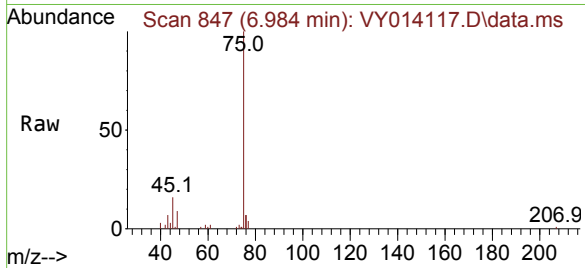




#25  
2-Butanone  
Concen: 2.738 ug/l  
RT: 6.984 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VY014117.D  
Acq: 12 Jun 2023 13:59

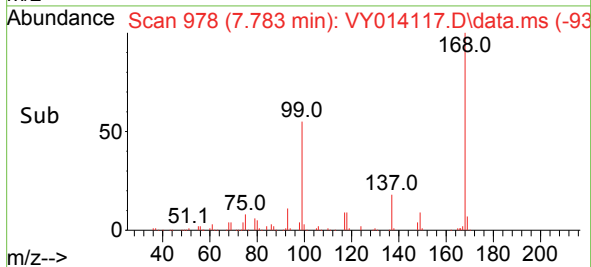
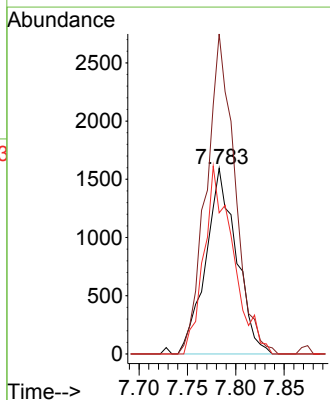
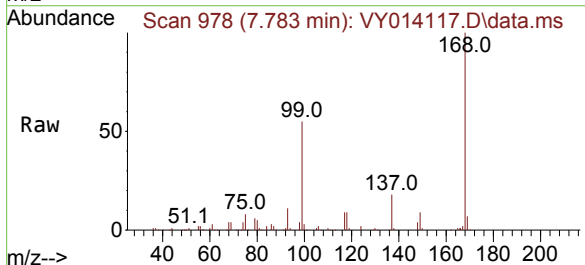
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-RW11-GW-738-740

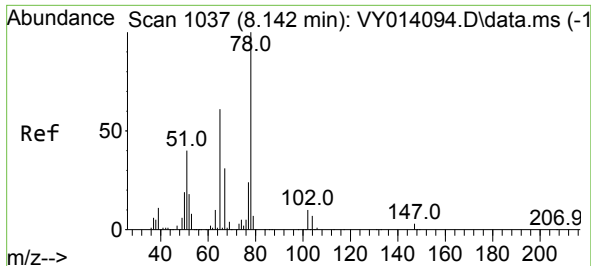
Tgt Ion: 43 Resp: 2098  
Ion Ratio Lower Upper  
43 100  
72 17.7 20.5 30.7#



#31  
Cyclohexane  
Concen: 1.268 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.006 min  
Lab File: VY014117.D  
Acq: 12 Jun 2023 13:59

Tgt Ion: 56 Resp: 3508  
Ion Ratio Lower Upper  
56 100  
69 172.4 27.8 41.6#  
84 76.0 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 51.004 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY014117.D

Acq: 12 Jun 2023 13:59

Instrument :

MSVOA\_Y

ClientSampleId :

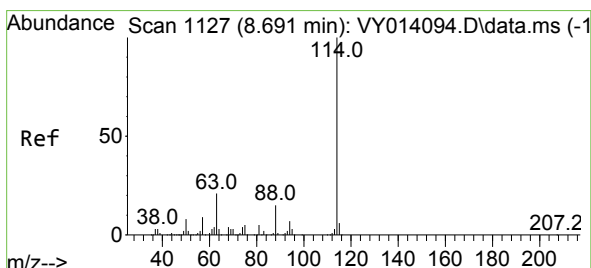
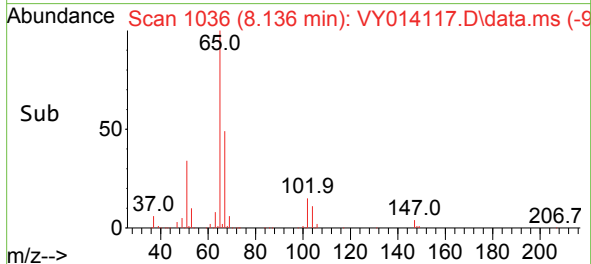
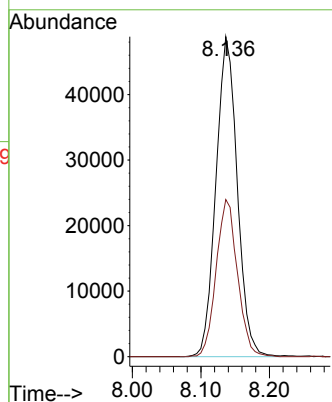
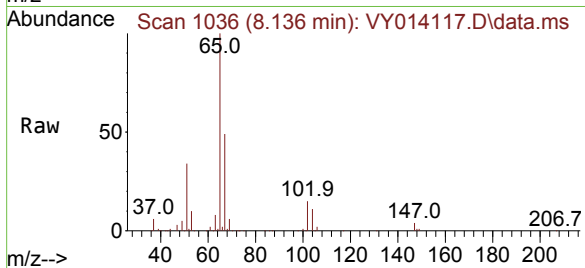
BP-VPB-RW11-GW-738-740

Tgt Ion: 65 Resp: 105319

Ion Ratio Lower Upper

65 100

67 49.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014117.D

Acq: 12 Jun 2023 13:59

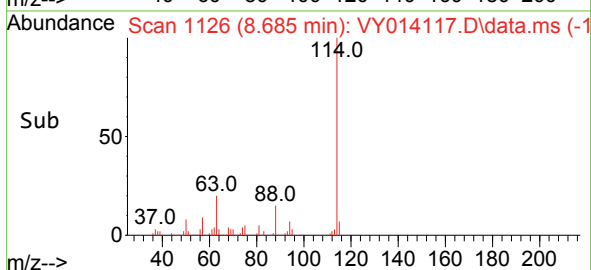
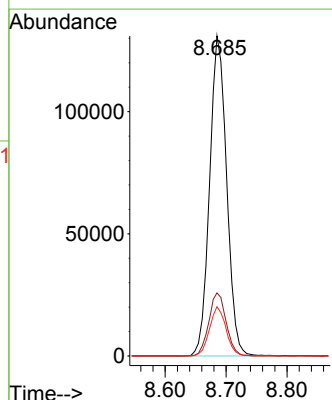
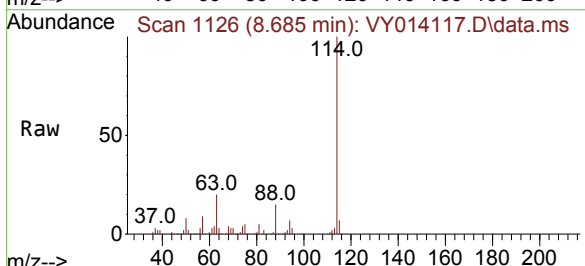
Tgt Ion: 114 Resp: 254879

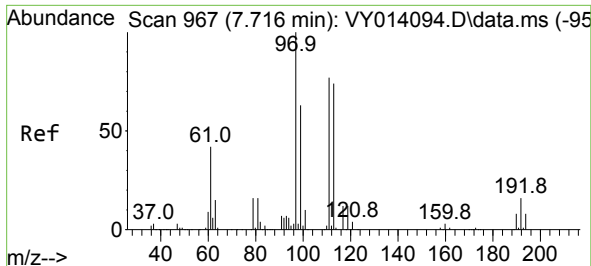
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.4 0.0 30.6

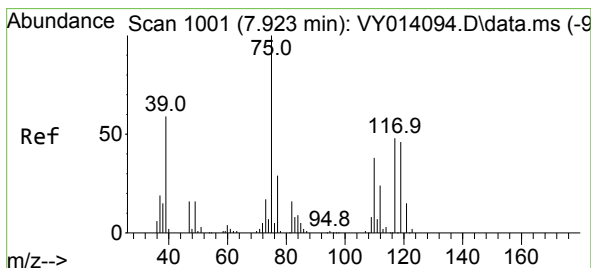
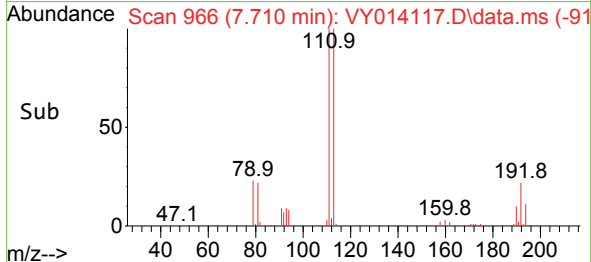
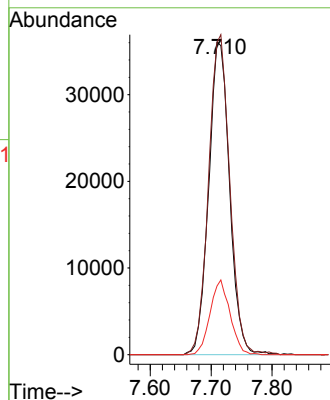
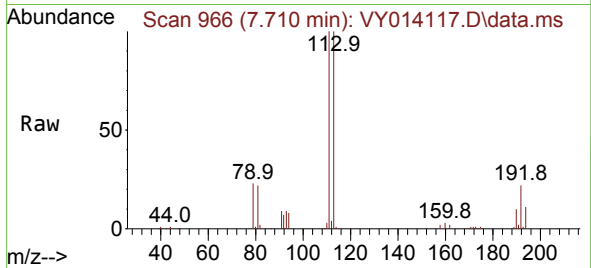




#35  
Dibromofluoromethane  
Concen: 47.480 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014117.D  
Acq: 12 Jun 2023 13:59

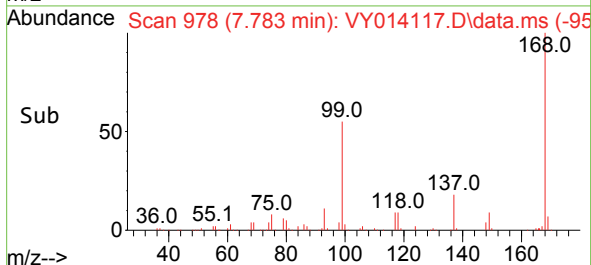
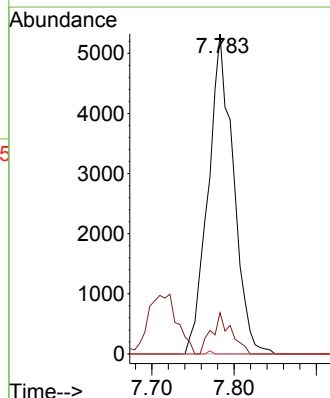
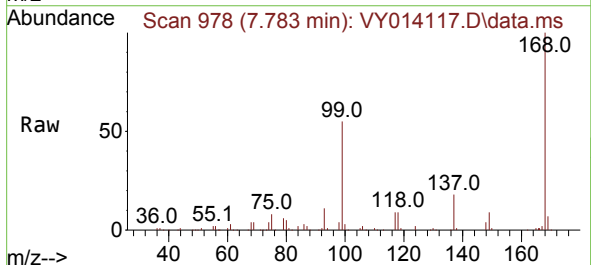
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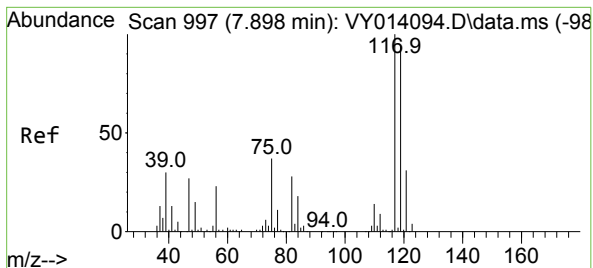
Tgt Ion:113 Resp: 85823  
Ion Ratio Lower Upper  
113 100  
111 104.1 81.3 121.9  
192 22.9 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.021 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.140 min  
Lab File: VY014117.D  
Acq: 12 Jun 2023 13:59

Tgt Ion: 75 Resp: 11330  
Ion Ratio Lower Upper  
75 100  
110 9.9 17.8 53.5#  
77 0.2 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.476 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY014117.D

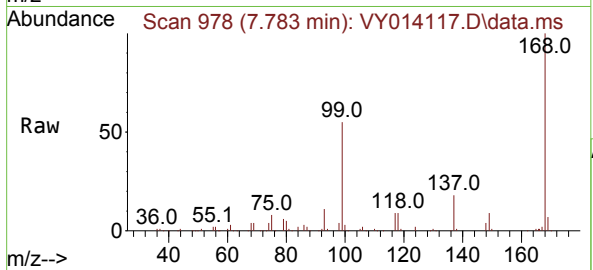
Acq: 12 Jun 2023 13:59

Instrument :

MSVOA\_Y

ClientSampleId :

BP-VPB-RW11-GW-738-740



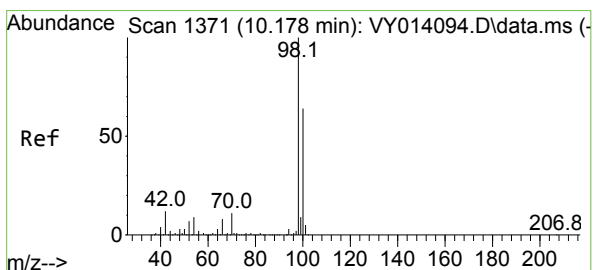
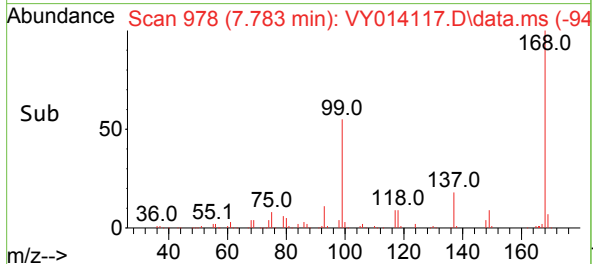
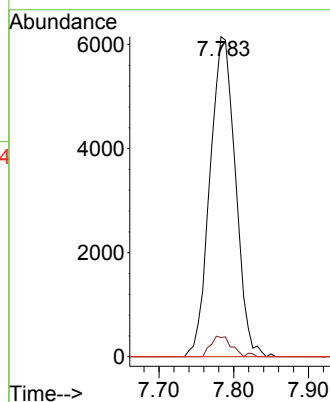
Tgt Ion:117 Resp: 14557

Ion Ratio Lower Upper

117 100

119 6.0 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 47.658 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014117.D

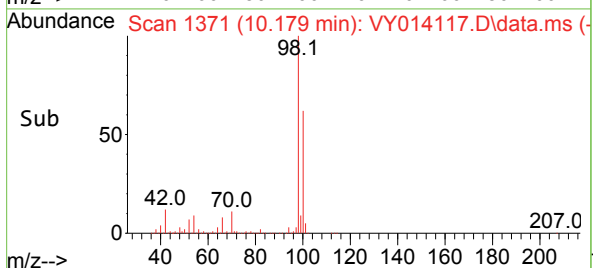
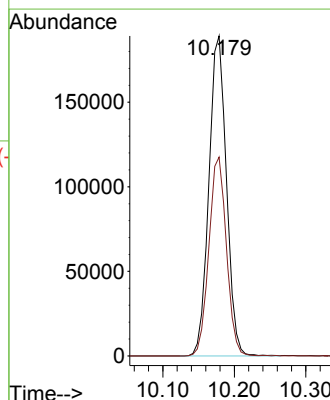
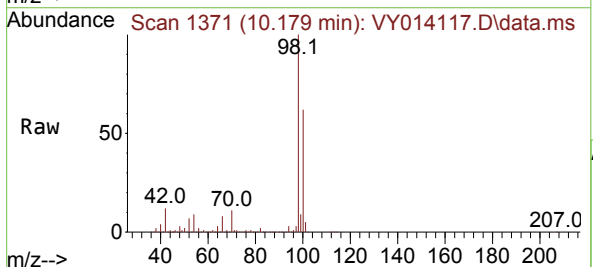
Acq: 12 Jun 2023 13:59

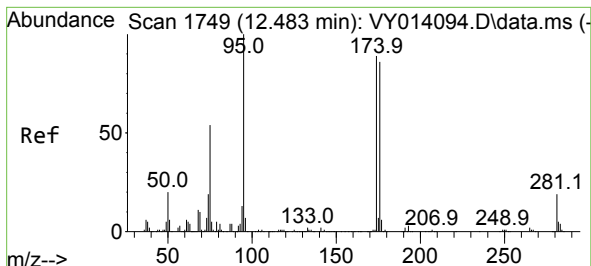
Tgt Ion: 98 Resp: 322056

Ion Ratio Lower Upper

98 100

100 62.2 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 47.709 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014117.D

Acq: 12 Jun 2023 13:59

Instrument :

MSVOA\_Y

ClientSampleId :

BP-VPB-RW11-GW-738-740

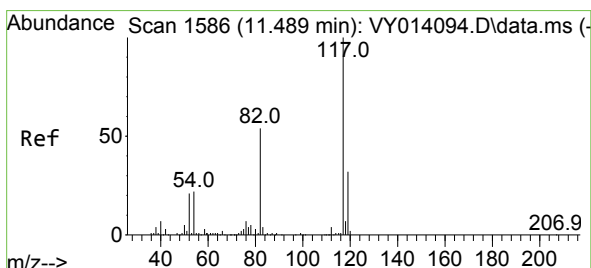
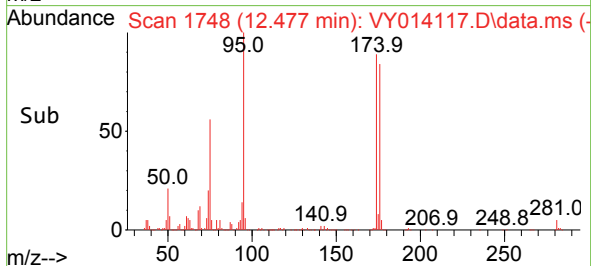
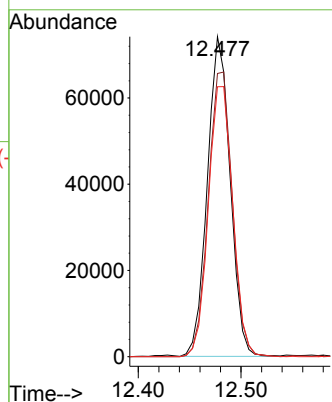
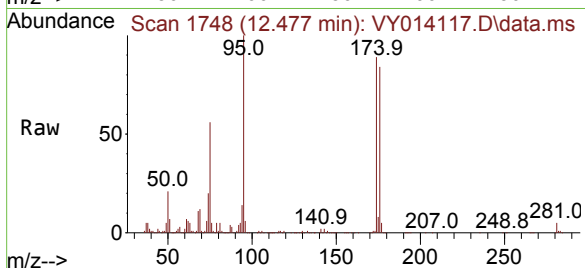
Tgt Ion: 95 Resp: 114527

Ion Ratio Lower Upper

95 100

174 93.8 0.0 178.2

176 90.3 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY014117.D

Acq: 12 Jun 2023 13:59

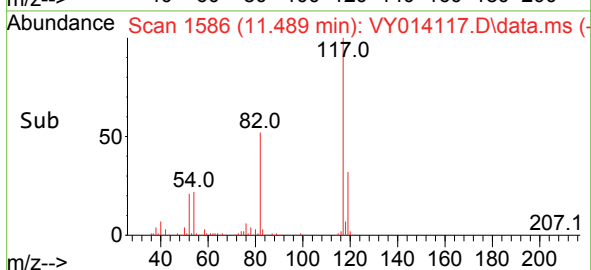
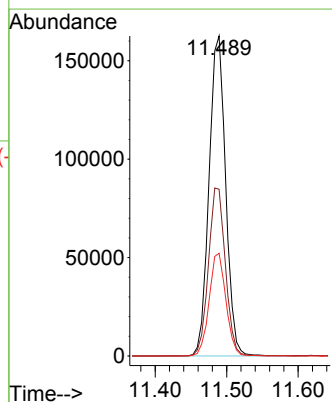
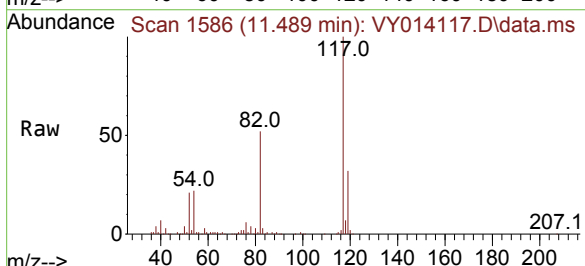
Tgt Ion: 117 Resp: 262076

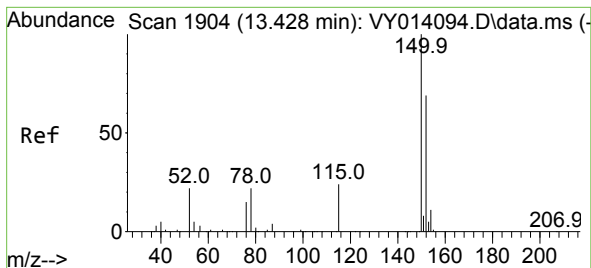
Ion Ratio Lower Upper

117 100

82 52.0 43.4 65.0

119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014117.D

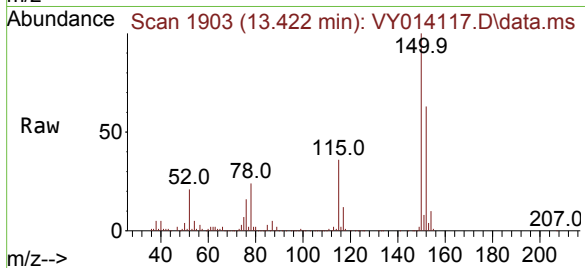
Acq: 12 Jun 2023 13:59

Instrument :

MSVOA\_Y

ClientSampleId :

BP-VPB-RW11-GW-738-740



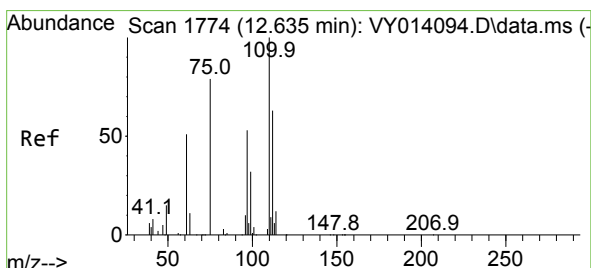
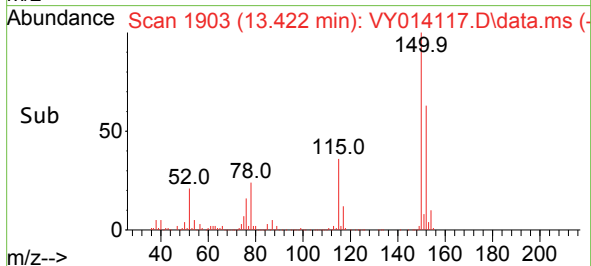
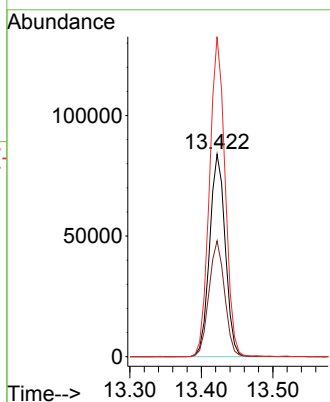
Tgt Ion:152 Resp: 127603

Ion Ratio Lower Upper

152 100

115 57.3 28.8 86.5

150 157.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 38.014 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014117.D

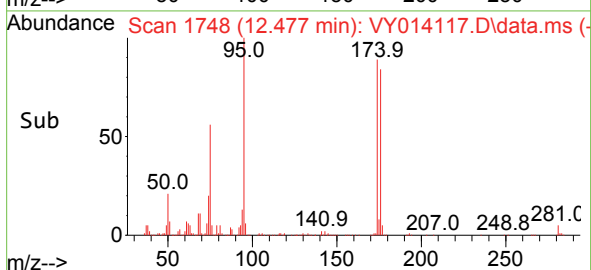
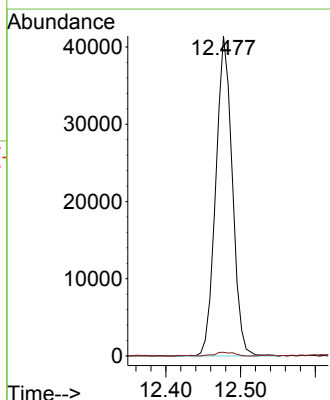
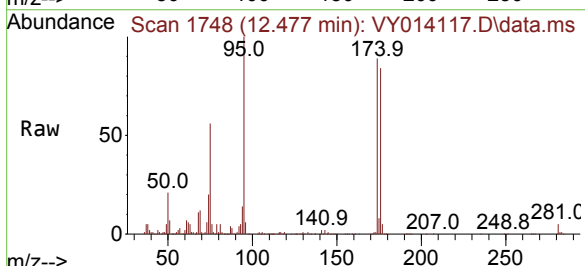
Acq: 12 Jun 2023 13:59

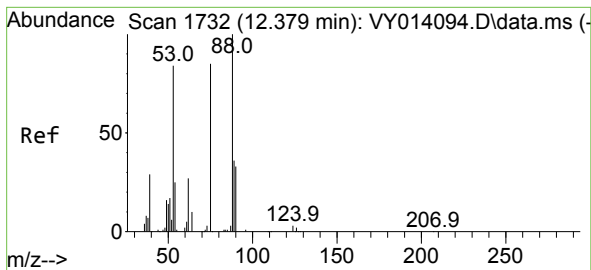
Tgt Ion: 75 Resp: 63640

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 82.171 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY014117.D  
 Acq: 12 Jun 2023 13:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BP-VPB-RW11-GW-738-740

Tgt Ion: 75 Resp: 63640  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.2 37.4 56.0#

