

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092523\  
 Data File : VX037889.D  
 Acq On : 25 Sep 2023 12:10  
 Operator : JC/MD  
 Sample : 04595-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW10A-EB-20230920

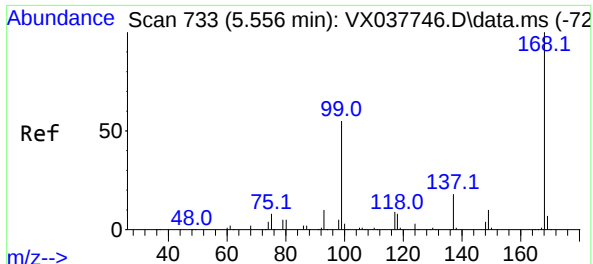
Quant Time: Sep 26 06:57:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:55:44 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 253551   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 439011   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 431643   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 228621   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 162080   | 48.654   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 97.300%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 141010   | 48.004   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 96.000%  |
| 50) Toluene-d8                | 8.653  | 98    | 530479   | 48.603   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.200%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 206595   | 52.090   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 104.180% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acrolein                  | 2.233  | 56    | 146      | 0.207    | ug/l   | 85       |
| 16) Acetone                   | 2.380  | 43    | 2551     | 1.592    | ug/l   | 92       |
| 20) Methylene Chloride        | 2.794  | 84    | 1008     | 0.315    | ug/l   | 89       |
| 29) Tetrahydrofuran           | 5.032  | 42    | 1477     | 1.050    | ug/l   | 99       |
| 30) Chloroform                | 5.099  | 83    | 4848     | 0.875    | ug/l   | 84       |
| 31) Cyclohexane               | 5.556  | 56    | 5182     | 1.212    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 18848    | 4.658    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 25758    | 6.084    | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 104970   | 19.851   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 104970   | 63.591   | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 1302     | 0.280    | ug/l   | 93       |
| 94) Hexachlorobutadiene       | 13.725 | 225   | 448      | 0.206    | ug/l   | 89       |
| -----                         |        |       |          |          |        |          |

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

Quant Time: Sep 26 06:57:11 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 16 04:55:44 2023  
Response via : Initial Calibration

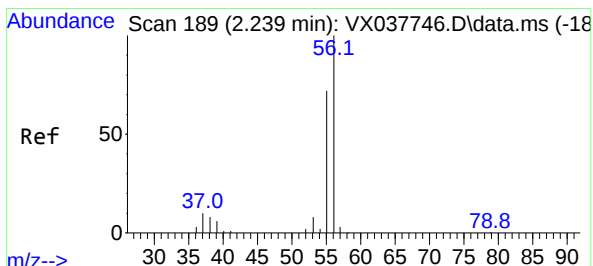
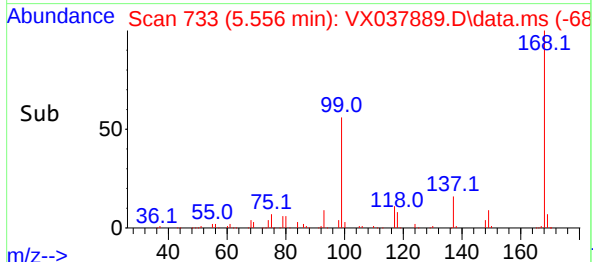
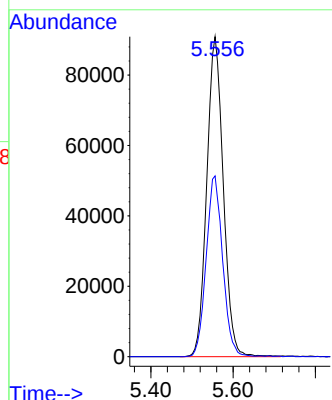
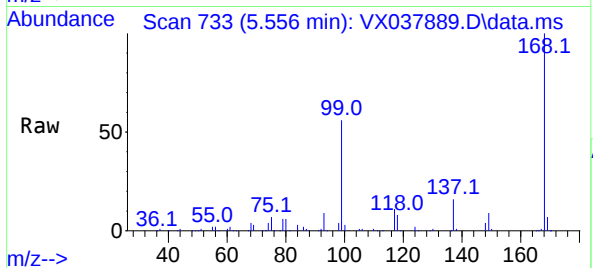




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

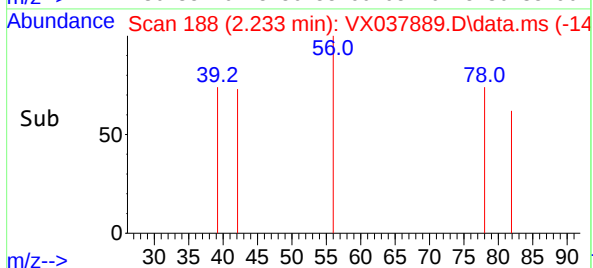
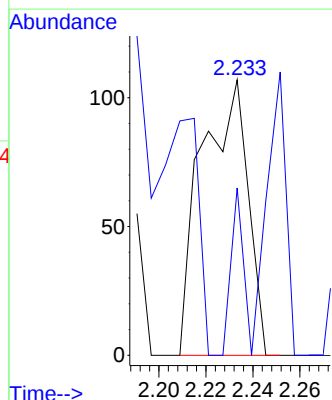
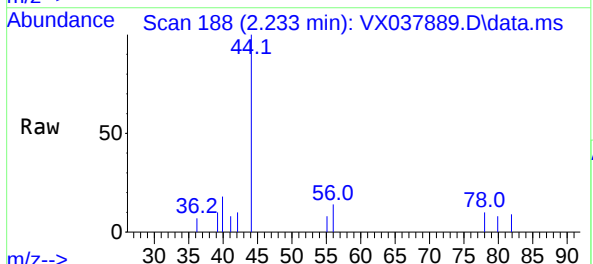
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-EB-20230920

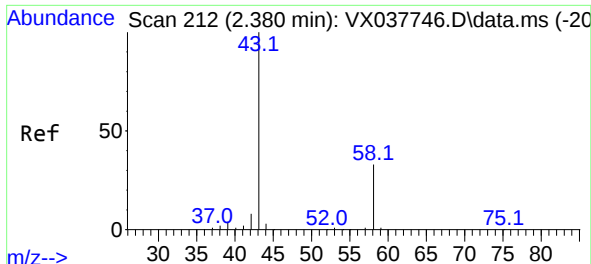
Tgt Ion:168 Resp: 253551  
Ion Ratio Lower Upper  
168 100  
99 56.5 56.6 85.0#



#13  
Acrolein  
Concen: 0.207 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. -0.006 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

Tgt Ion: 56 Resp: 146  
Ion Ratio Lower Upper  
56 100  
55 58.9 57.1 85.7

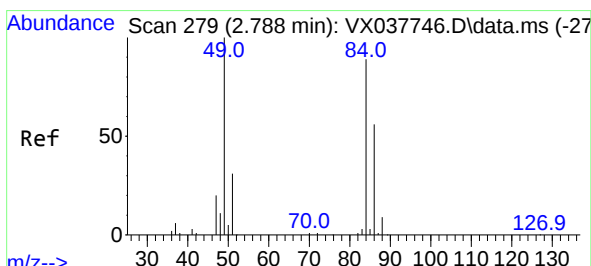
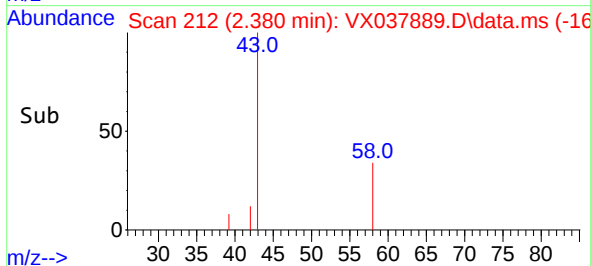
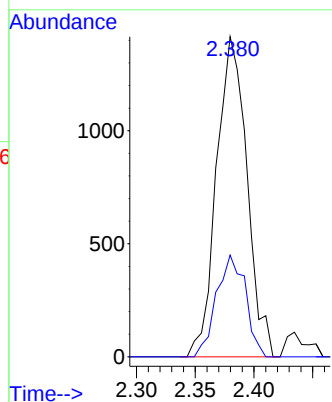
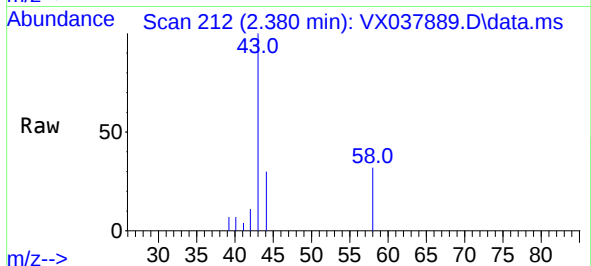




#16  
Acetone  
Concen: 1.592 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

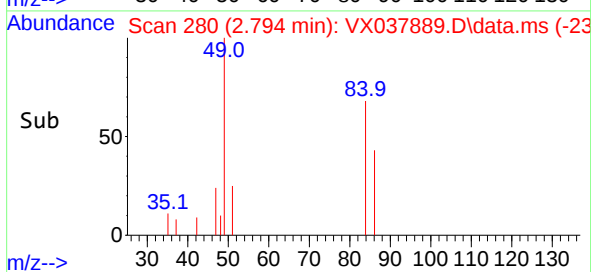
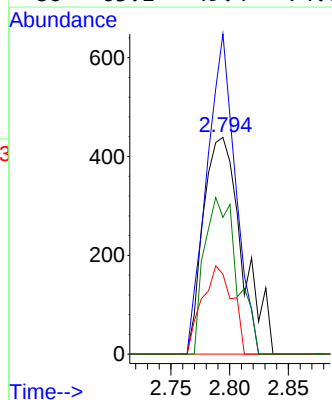
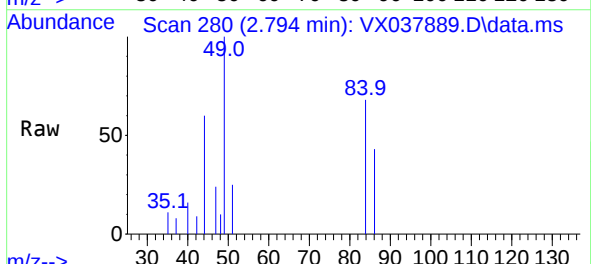
Instrument : MSVOA\_X  
ClientSampleId : BP-VPB-RW10A-EB-20230920

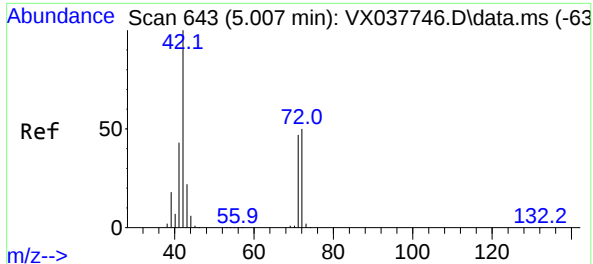
Tgt Ion: 43 Resp: 2551  
Ion Ratio Lower Upper  
43 100  
58 31.8 21.9 32.9



#20  
Methylene Chloride  
Concen: 0.315 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

Tgt Ion: 84 Resp: 1008  
Ion Ratio Lower Upper  
84 100  
49 147.6 103.6 155.4  
51 36.9 33.8 50.6  
86 63.1 49.4 74.0





#29

Tetrahydrofuran

Concen: 1.050 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX037889.D

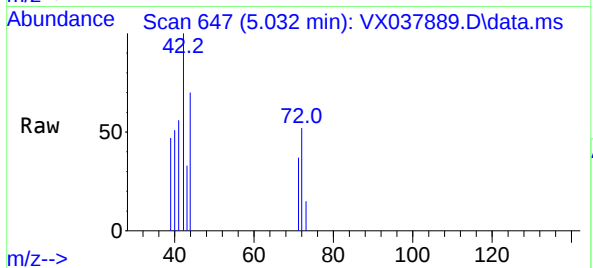
Acq: 25 Sep 2023 12:10

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-RW10A-EB-20230920



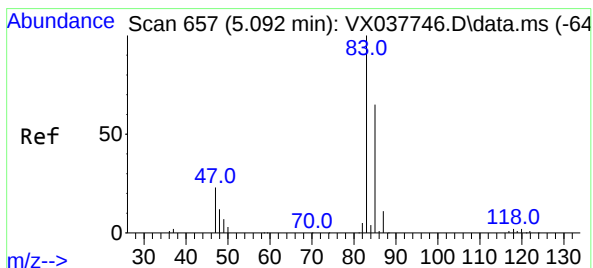
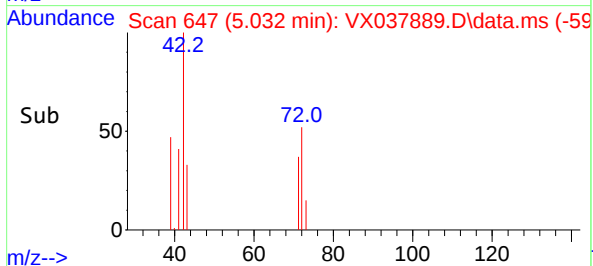
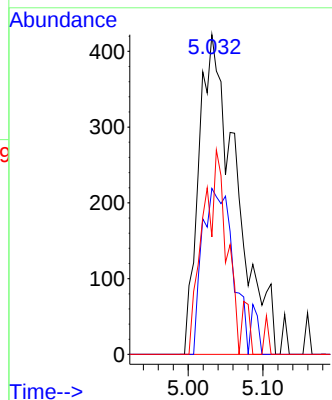
Tgt Ion: 42 Resp: 1477

Ion Ratio Lower Upper

42 100

72 41.6 34.2 51.4

71 40.1 32.2 48.2



#30

Chloroform

Concen: 0.875 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037889.D

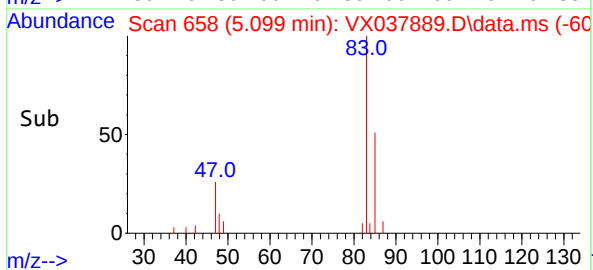
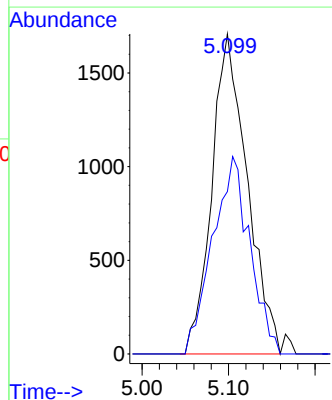
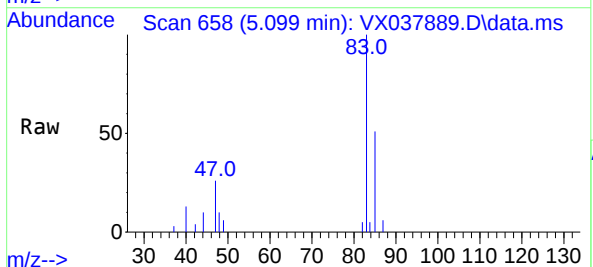
Acq: 25 Sep 2023 12:10

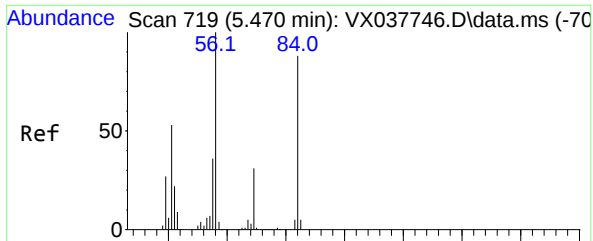
Tgt Ion: 83 Resp: 4848

Ion Ratio Lower Upper

83 100

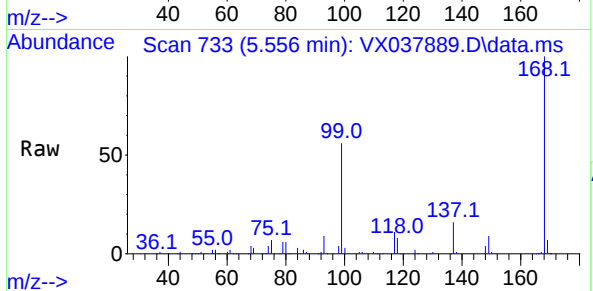
85 50.8 50.3 75.5



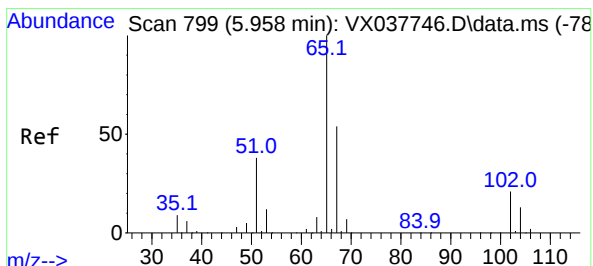
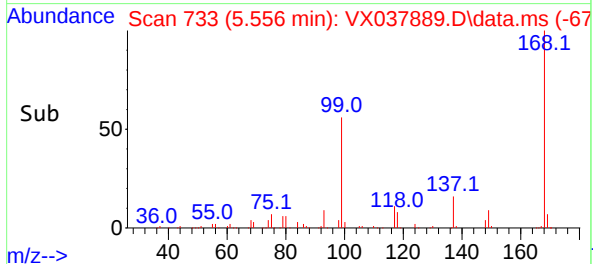
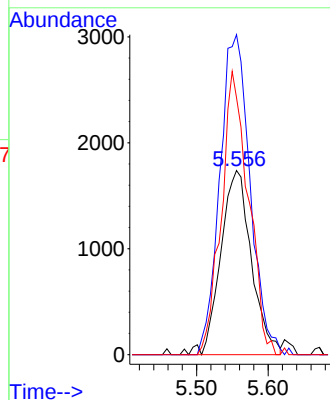


#31  
Cyclohexane  
Concen: 1.212 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.085 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

Instrument : MSVOA\_X  
ClientSampleId : BP-VPB-RW10A-EB-20230920

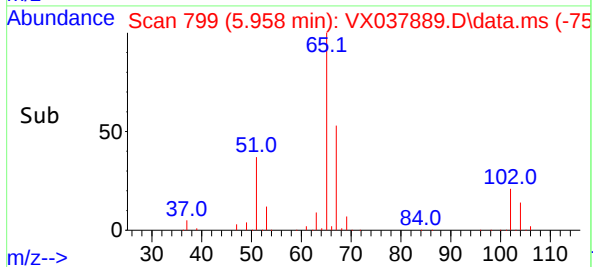
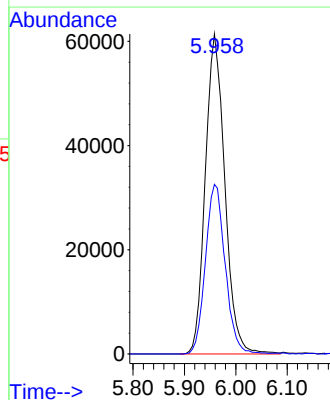
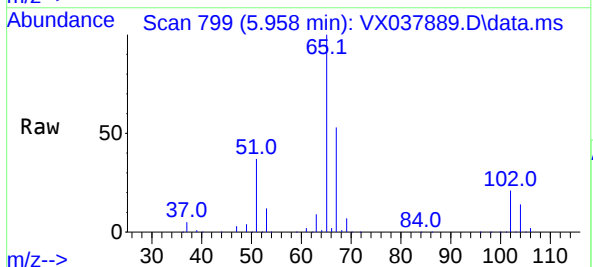


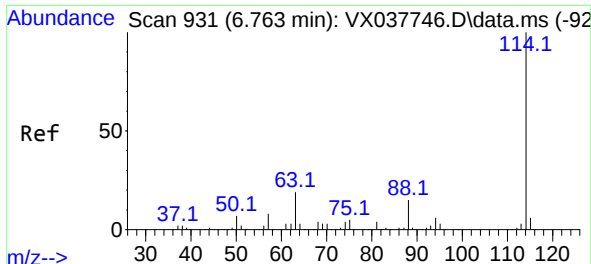
Tgt Ion: 56 Resp: 5182  
Ion Ratio Lower Upper  
56 100  
69 173.8 23.4 35.2#  
84 139.6 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 48.654 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

Tgt Ion: 65 Resp: 162080  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 100.2

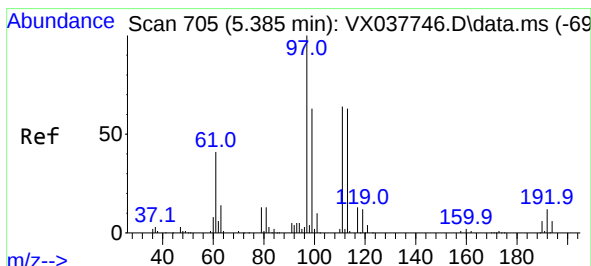
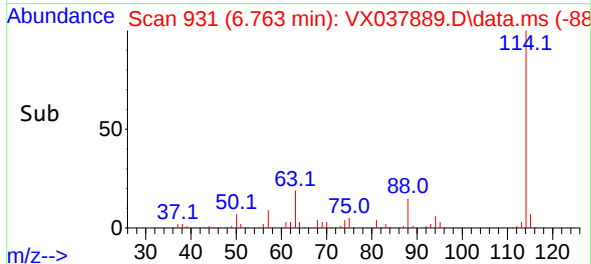
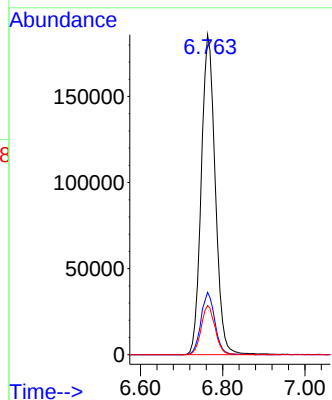
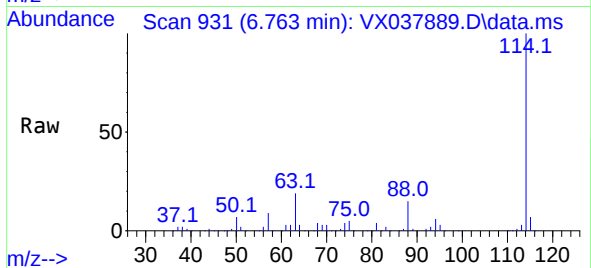




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

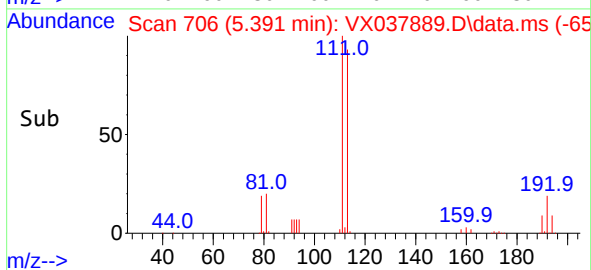
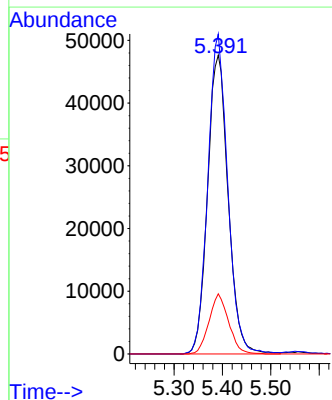
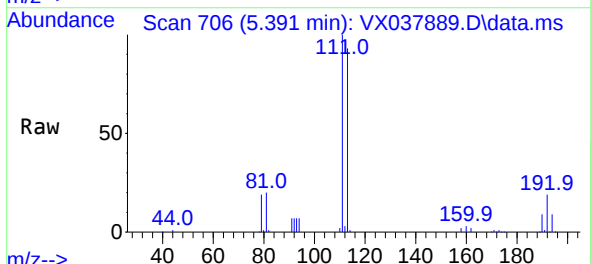
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-EB-20230920

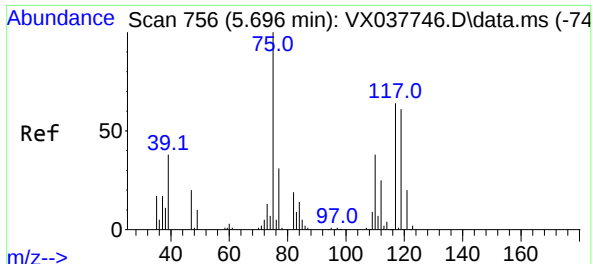
Tgt Ion:114 Resp: 439011  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 45.0  
88 15.4 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 48.004 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

Tgt Ion:113 Resp: 141010  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.9 124.3  
192 19.1 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.658 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX037889.D

Acq: 25 Sep 2023 12:10

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-RW10A-EB-20230920

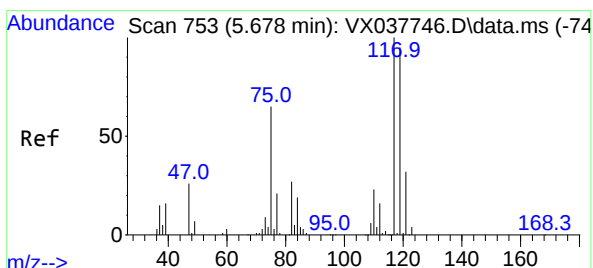
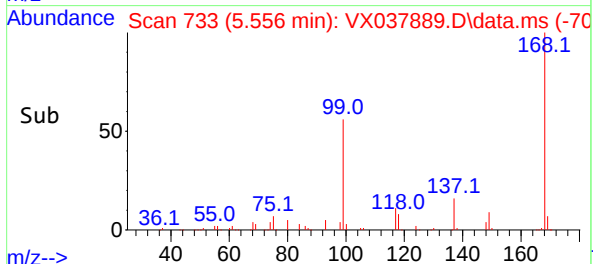
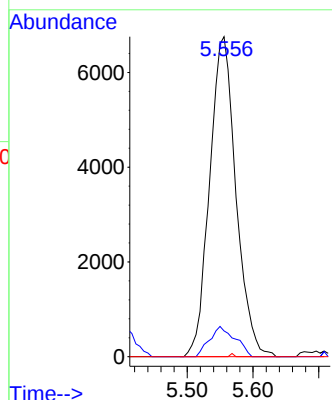
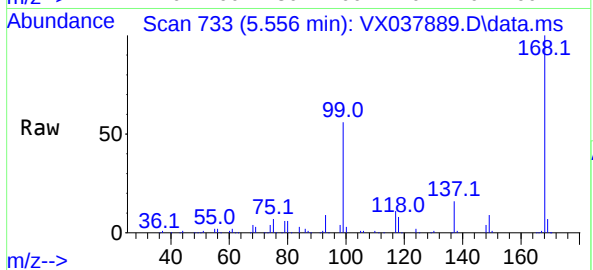
Tgt Ion: 75 Resp: 18848

Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

77 0.1 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.084 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX037889.D

Acq: 25 Sep 2023 12:10

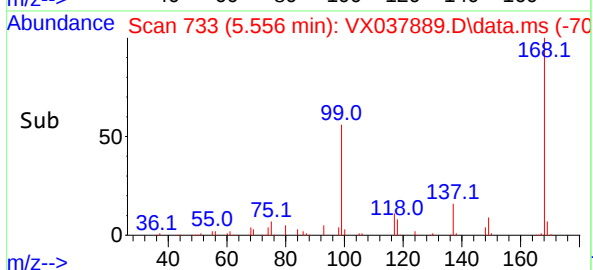
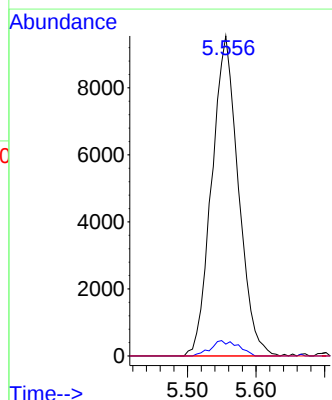
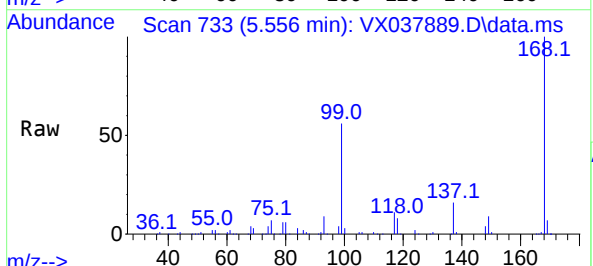
Tgt Ion: 117 Resp: 25758

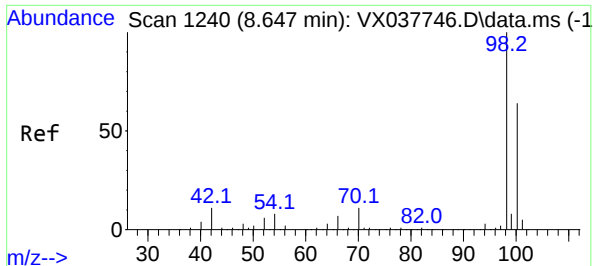
Ion Ratio Lower Upper

117 100

119 3.7 78.2 117.2#

121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 48.603 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX037889.D

Acq: 25 Sep 2023 12:10

Instrument :

MSVOA\_X

ClientSampleId :

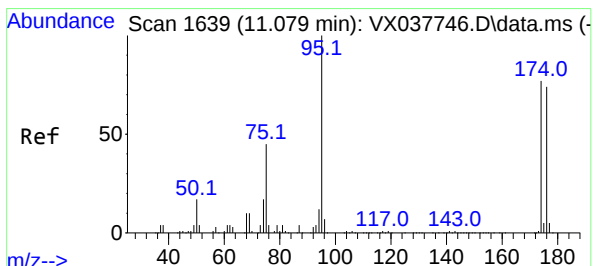
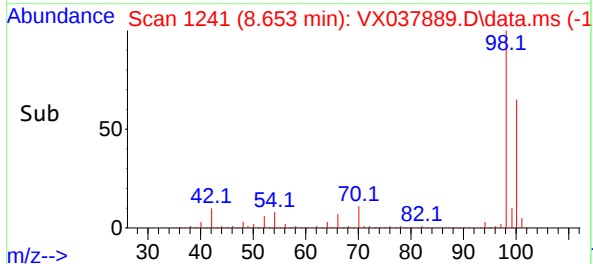
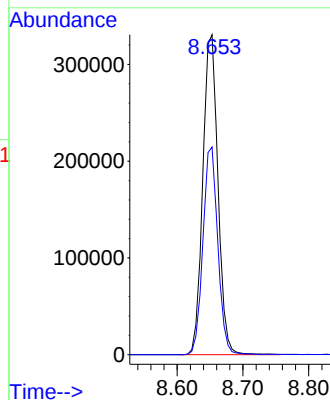
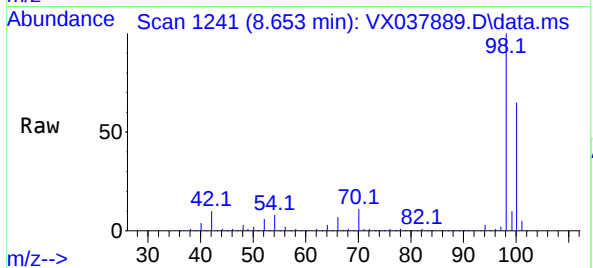
BP-VPB-RW10A-EB-20230920

Tgt Ion: 98 Resp: 530479

Ion Ratio Lower Upper

98 100

100 63.7 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 52.090 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX037889.D

Acq: 25 Sep 2023 12:10

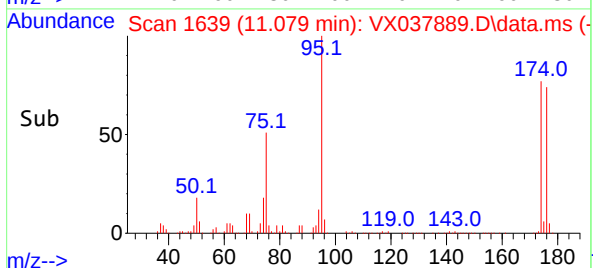
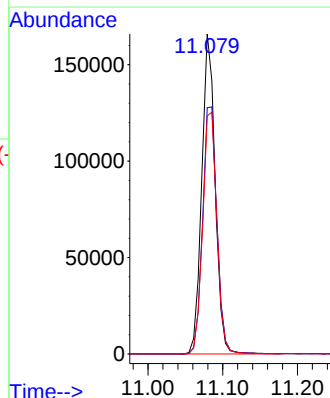
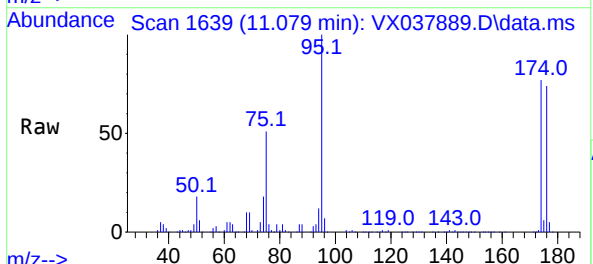
Tgt Ion: 95 Resp: 206595

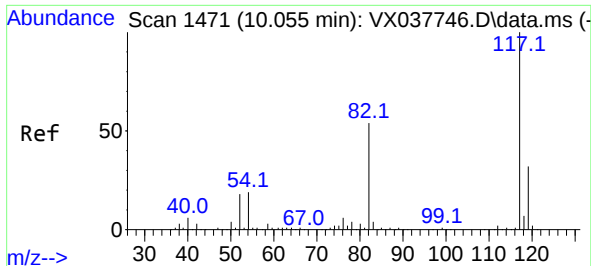
Ion Ratio Lower Upper

95 100

174 82.5 0.0 135.6

176 80.4 0.0 131.0

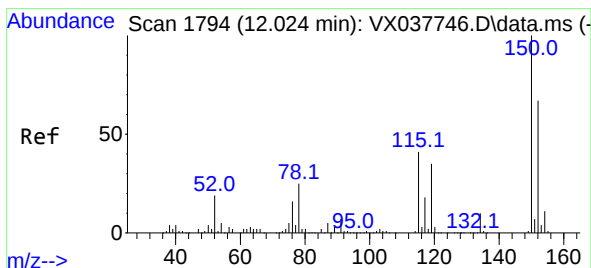
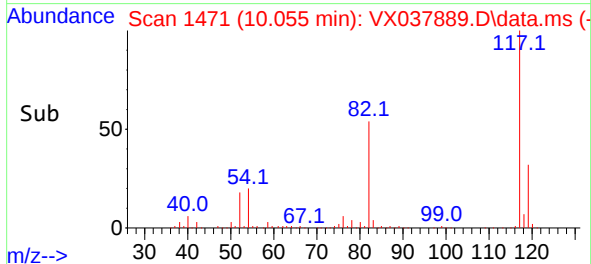
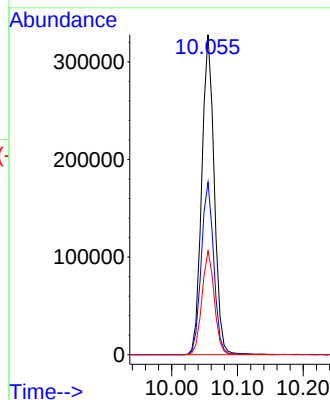
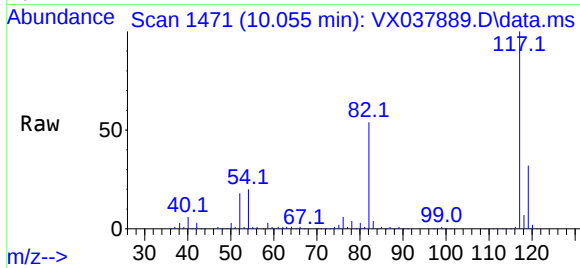




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

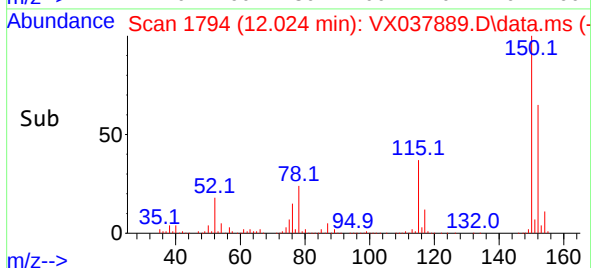
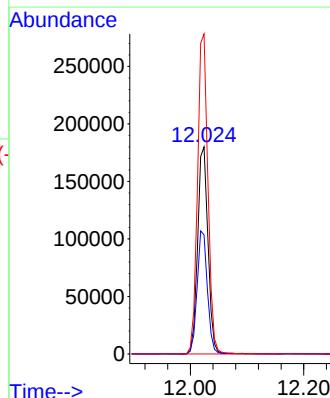
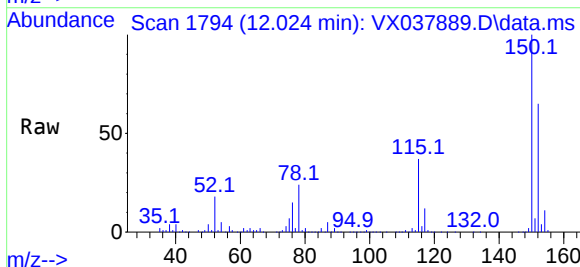
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-EB-20230920

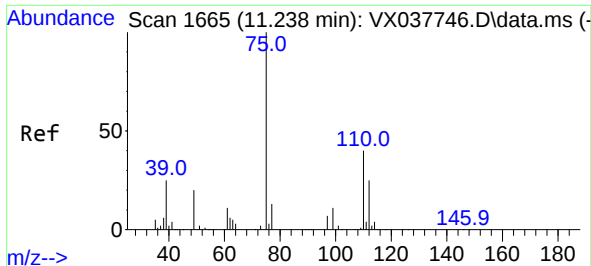
Tgt Ion:117 Resp: 431643  
Ion Ratio Lower Upper  
117 100  
82 53.9 46.2 69.4  
119 32.4 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

Tgt Ion:152 Resp: 228621  
Ion Ratio Lower Upper  
152 100  
115 58.9 43.3 129.9  
150 154.9 0.0 345.0

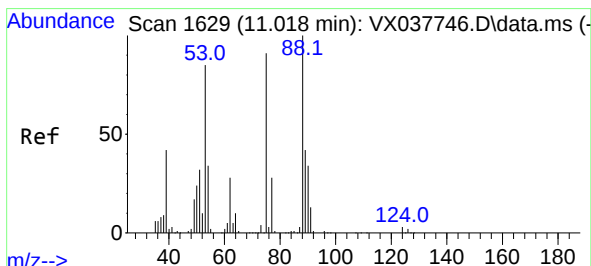
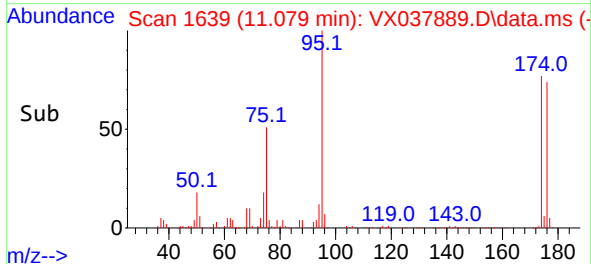
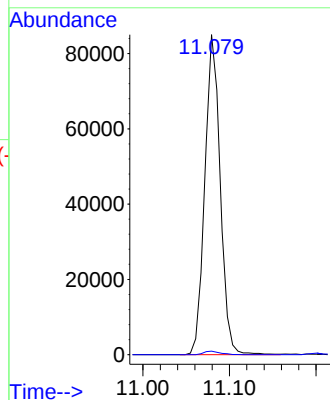
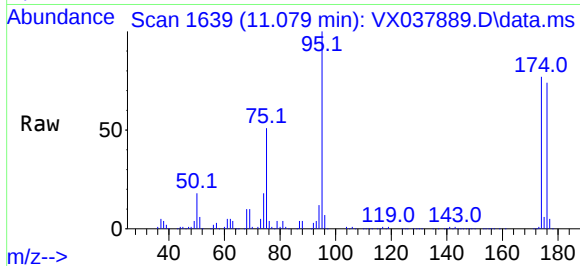




#76  
1,2,3-Trichloropropane  
Concen: 19.851 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

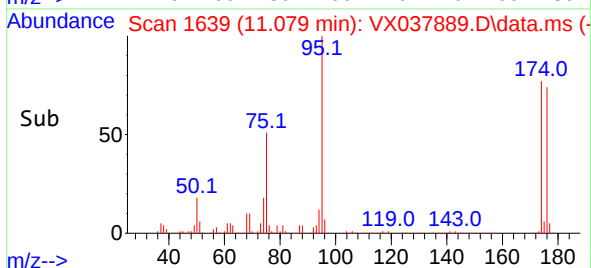
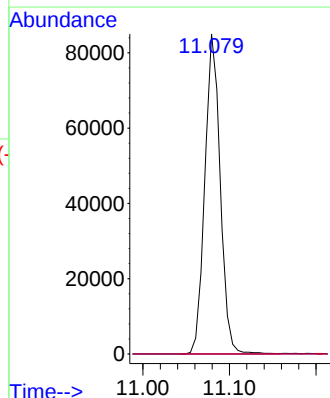
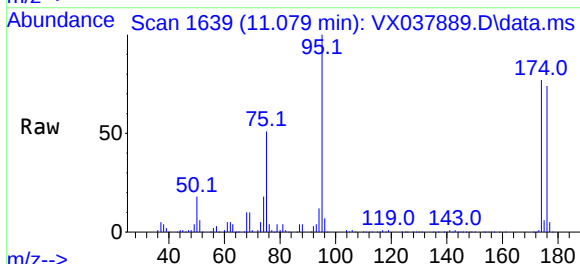
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-EB-20230920

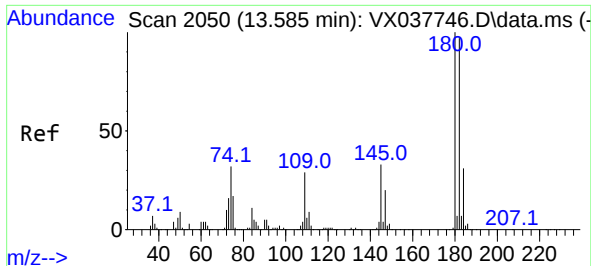
Tgt Ion: 75 Resp: 104970  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 63.591 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

Tgt Ion: 75 Resp: 104970  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

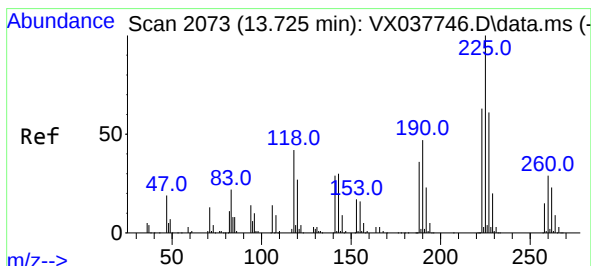
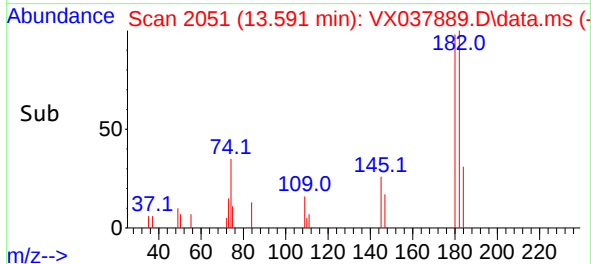
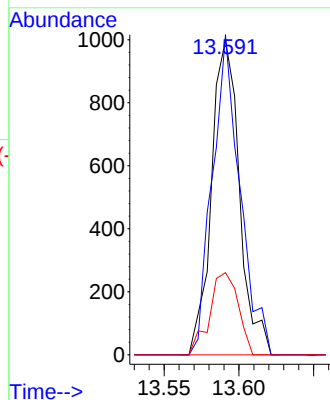
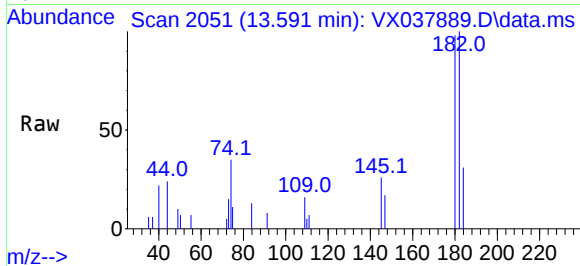




#93  
1,2,4-Trichlorobenzene  
Concen: 0.280 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. -0.000 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10A-EB-20230920

Tgt Ion:180 Resp: 1302  
Ion Ratio Lower Upper  
180 100  
182 100.2 48.3 144.8  
145 26.7 18.0 54.0



#94  
Hexachlorobutadiene  
Concen: 0.206 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX037889.D  
Acq: 25 Sep 2023 12:10

Tgt Ion:225 Resp: 448  
Ion Ratio Lower Upper  
225 100  
223 68.3 31.1 93.2  
227 54.0 32.5 97.5

