

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020723\  
 Data File : VX034040.D  
 Acq On : 06 Feb 2023 20:11  
 Operator : JC/MD  
 Sample : 01421-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW10-TB-20230130

Quant Time: Feb 07 00:57:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020423W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 03 23:25:45 2023  
 Response via : Initial Calibration

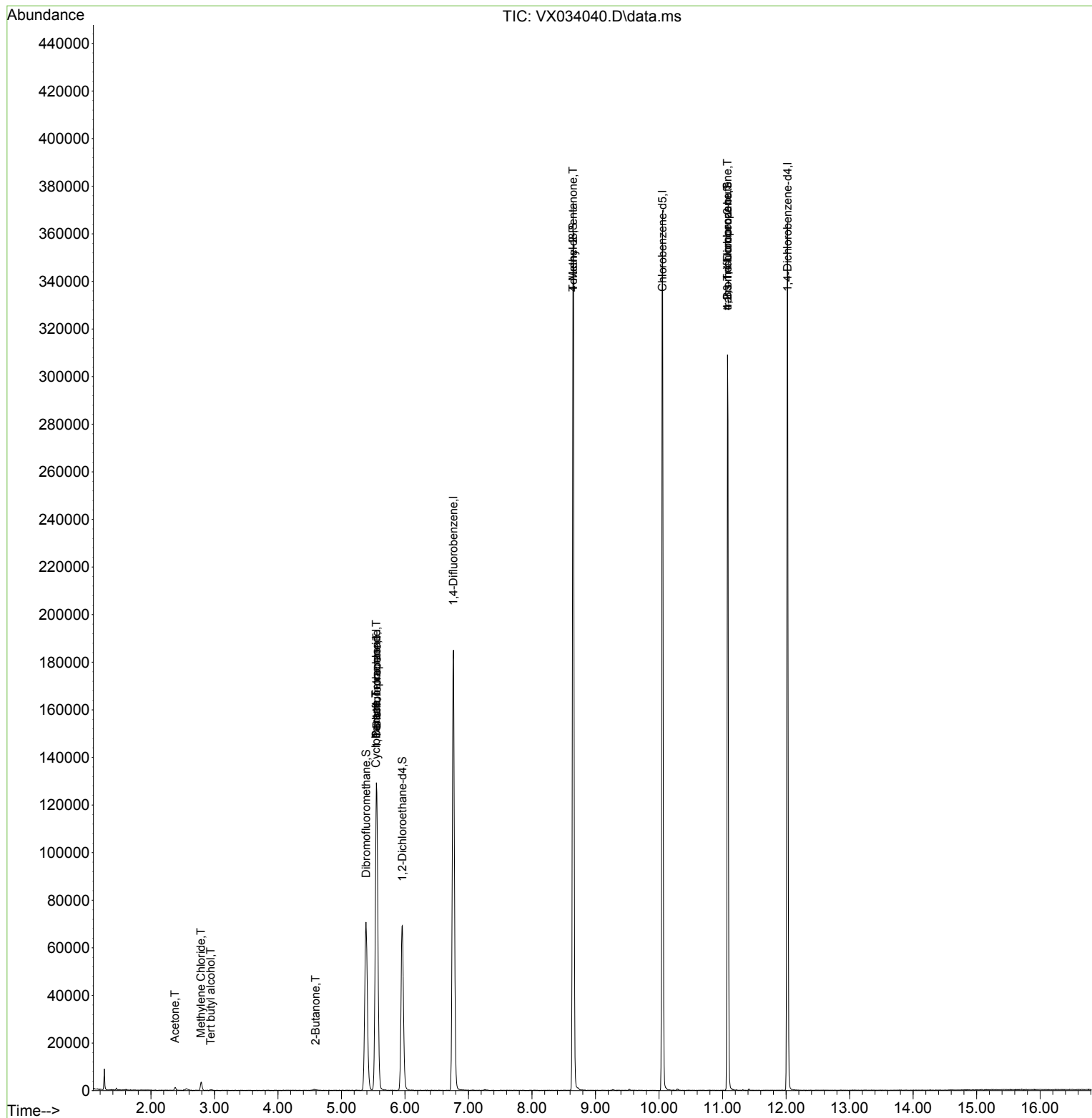
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 142177     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 202852     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 181008     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 88502      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 67678      | 49.376  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 98.760% |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 62636      | 48.517  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 97.040% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 227985     | 49.014  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 98.020% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 81447      | 49.027  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 98.060% |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         | Qvalue |          |
| 11) Tert butyl alcohol        | 2.940          | 59   | 119        | 0.620   | ug/l # | 86       |
| 16) Acetone                   | 2.380          | 43   | 1527       | 2.638   | ug/l   | 97       |
| 20) Methylene Chloride        | 2.788          | 84   | 1786       | 1.349   | ug/l # | 95       |
| 25) 2-Butanone                | 4.593          | 43   | 463        | 0.549   | ug/l # | 51       |
| 31) Cyclohexane               | 5.544          | 56   | 2132       | 1.068   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 8228       | 4.648   | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 12057      | 6.387   | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 881        | 0.546   | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 37301      | 24.546  | ug/l # | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 37301      | 75.592  | ug/l # | 8        |
| -----                         |                |      |            |         |        |          |

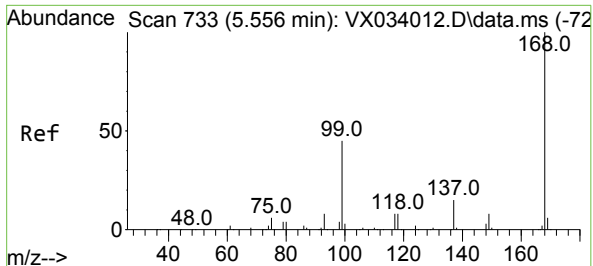
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
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BP-VPB-RW10-TB-20230130

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Quant Title : SW846 8260  
QLast Update : Fri Feb 03 23:25:45 2023  
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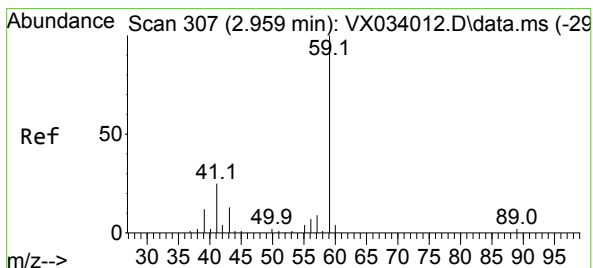
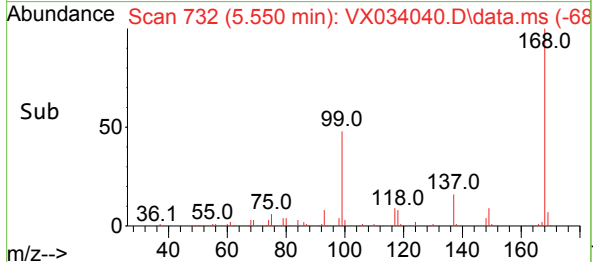
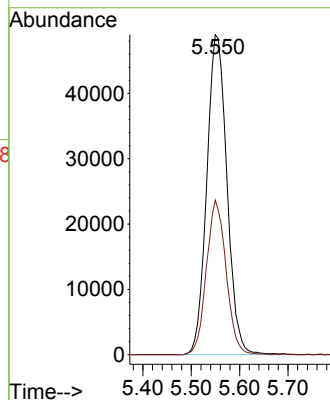
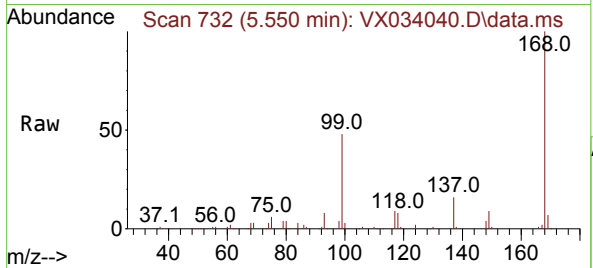




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

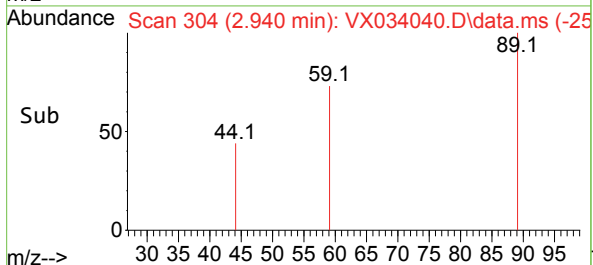
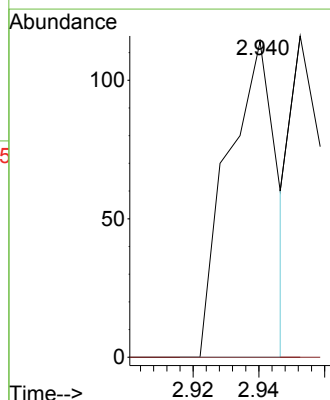
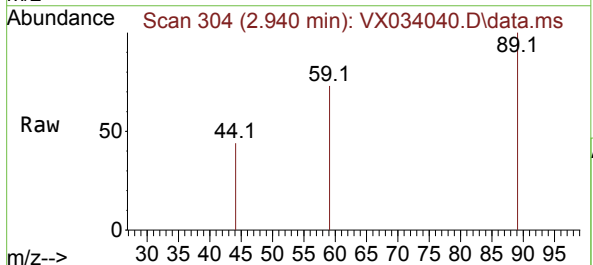
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-TB-20230130

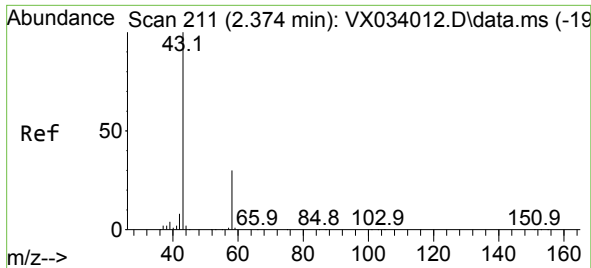
Tgt Ion:168 Resp: 142177  
Ion Ratio Lower Upper  
168 100  
99 48.3 39.6 59.4



#11  
Tert butyl alcohol  
Concen: 0.620 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.018 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

Tgt Ion: 59 Resp: 119  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.7 5.5#

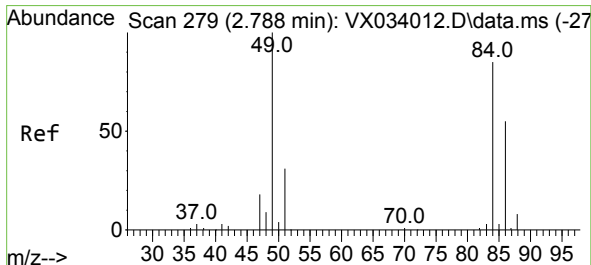
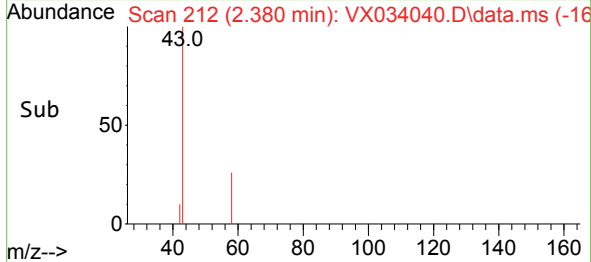
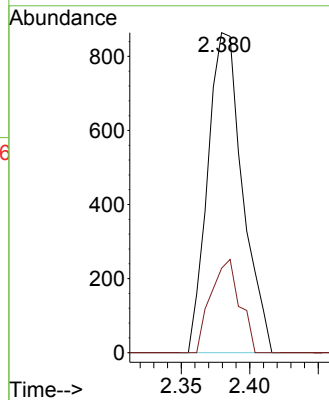
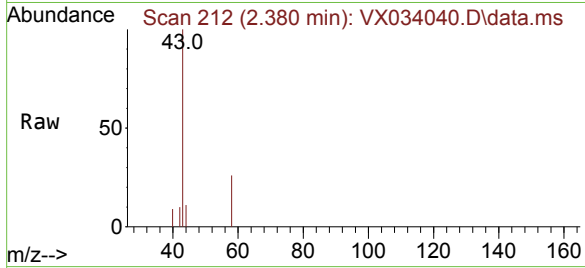




#16  
Acetone  
Concen: 2.638 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

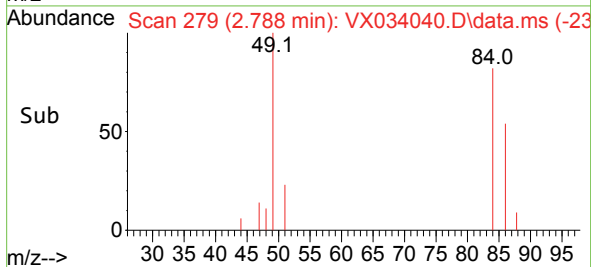
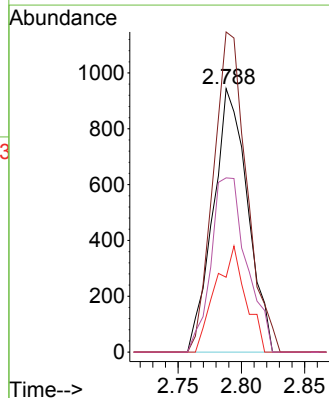
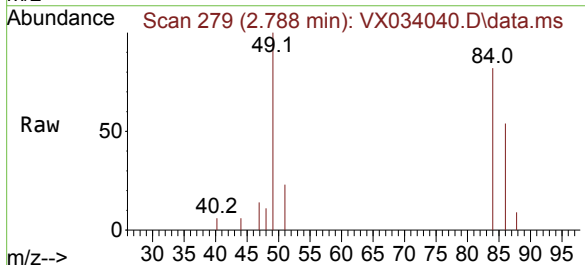
Instrument :  
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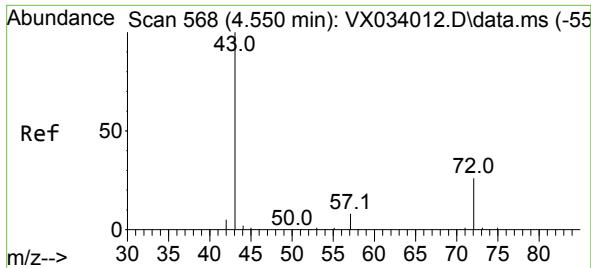
Tgt Ion: 43 Resp: 1527  
Ion Ratio Lower Upper  
43 100  
58 26.4 22.6 33.8



#20  
Methylene Chloride  
Concen: 1.349 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

Tgt Ion: 84 Resp: 1786  
Ion Ratio Lower Upper  
84 100  
49 121.5 101.1 151.7  
51 28.4 31.0 46.6#  
86 66.1 52.6 79.0

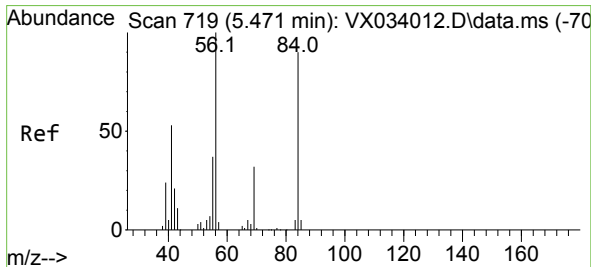
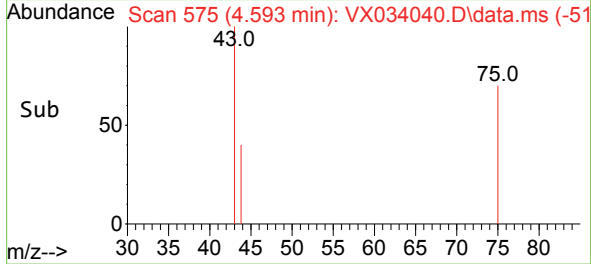
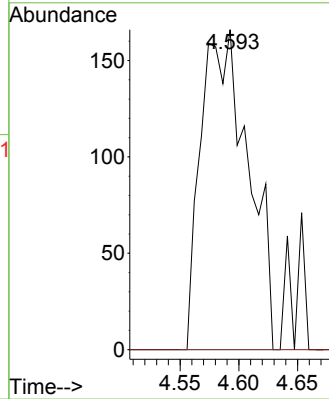
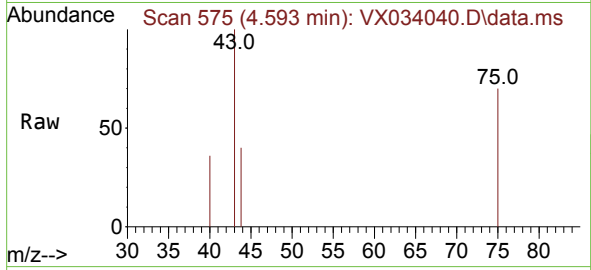




#25  
2-Butanone  
Concen: 0.549 ug/l  
RT: 4.593 min Scan# 51  
Delta R.T. 0.043 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

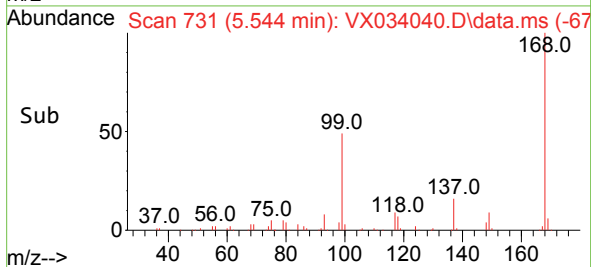
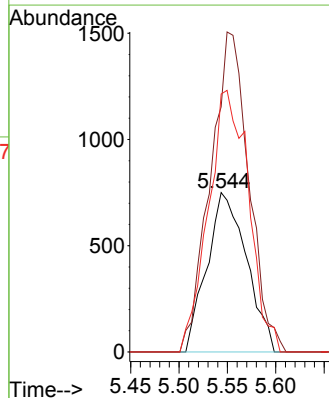
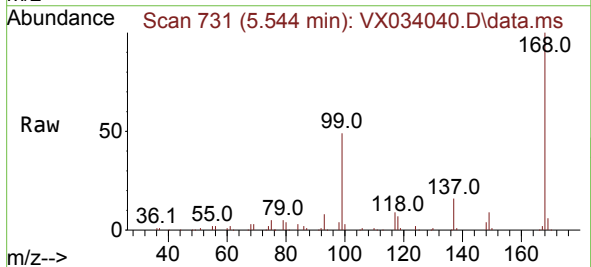
Instrument :  
MSVOA\_X  
ClientSampleId :  
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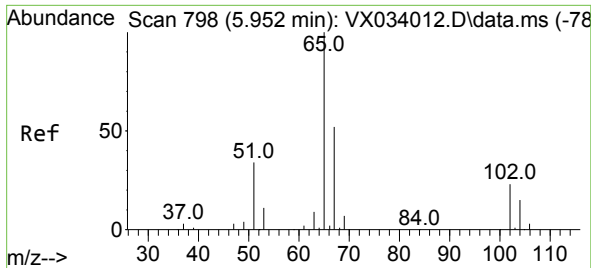
Tgt Ion: 43 Resp: 463  
Ion Ratio Lower Upper  
43 100  
72 0.0 19.4 29.2#



#31  
Cyclohexane  
Concen: 1.068 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.073 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

Tgt Ion: 56 Resp: 2132  
Ion Ratio Lower Upper  
56 100  
69 153.9 24.6 37.0#  
84 161.9 71.0 106.6#

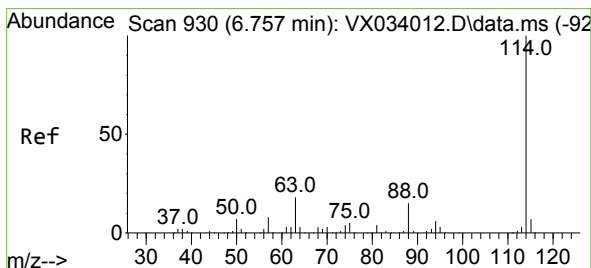
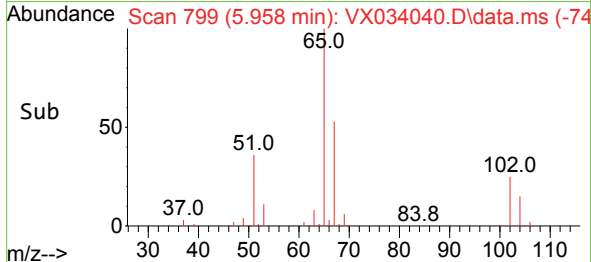
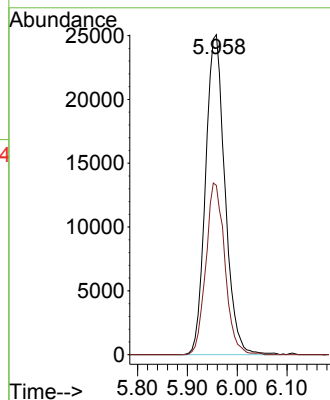
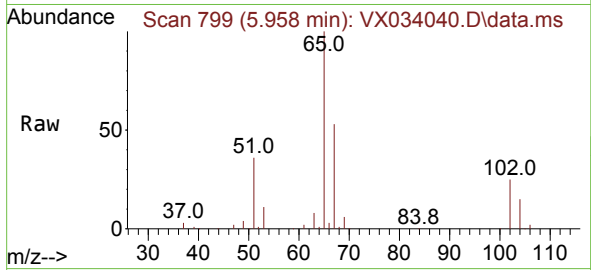




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.376 ug/l  
 RT: 5.958 min Scan# 798  
 Delta R.T. 0.006 min  
 Lab File: VX034040.D  
 Acq: 06 Feb 2023 20:11

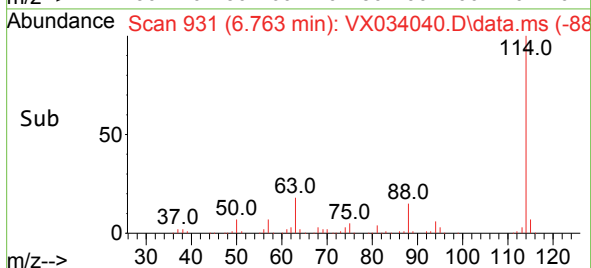
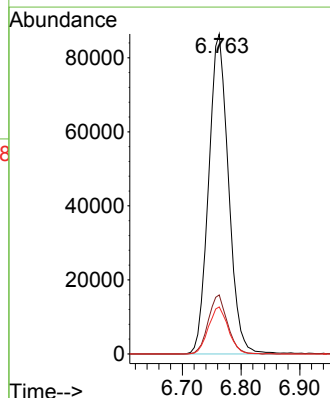
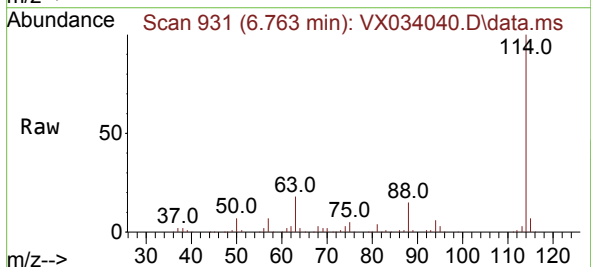
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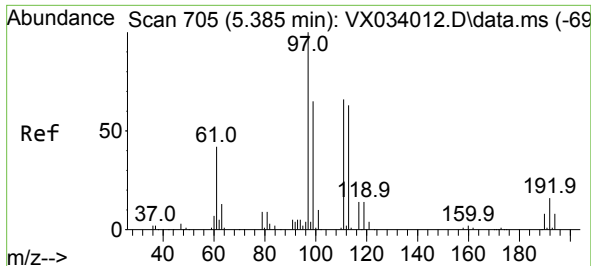
Tgt Ion: 65 Resp: 67678  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.006 min  
 Lab File: VX034040.D  
 Acq: 06 Feb 2023 20:11

Tgt Ion: 114 Resp: 202852  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 37.4  
 88 14.7 0.0 30.6

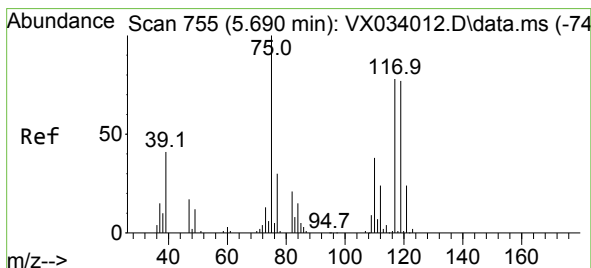
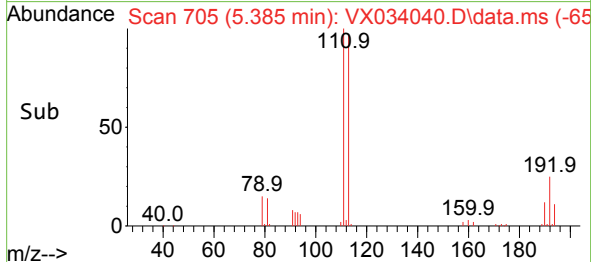
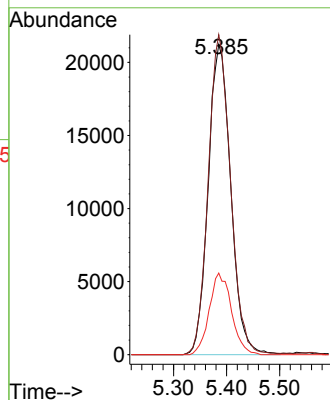
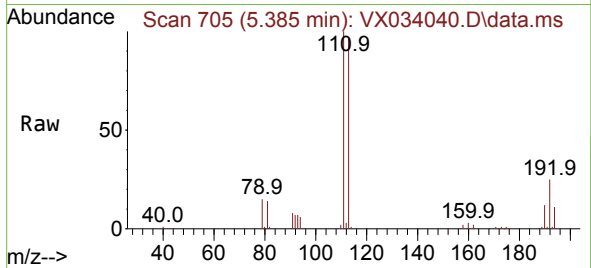




#35  
Dibromofluoromethane  
Concen: 48.517 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

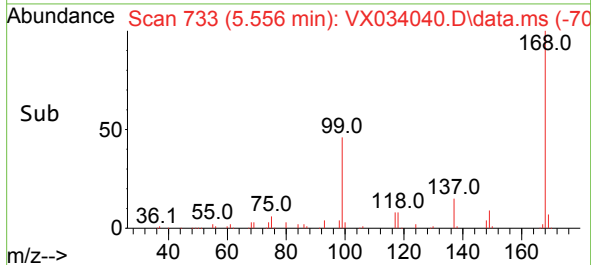
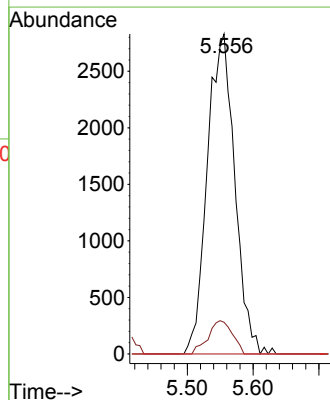
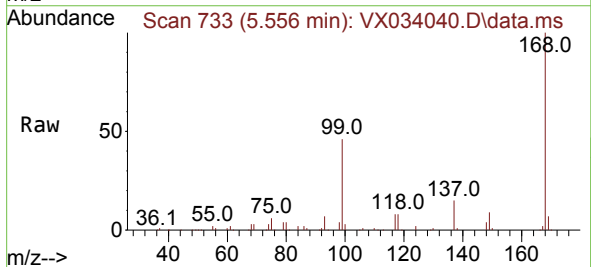
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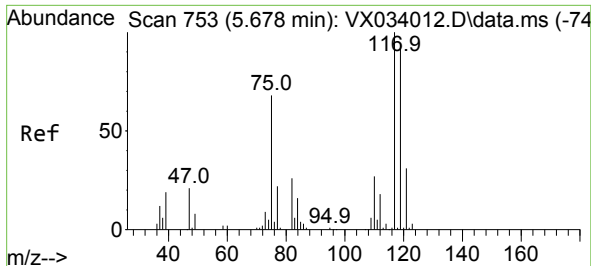
Tgt Ion:113 Resp: 62636  
Ion Ratio Lower Upper  
113 100  
111 102.1 83.0 124.6  
192 25.9 19.0 28.4



#36  
1,1-Dichloropropene  
Concen: 4.648 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

Tgt Ion: 75 Resp: 8228  
Ion Ratio Lower Upper  
75 100  
110 9.2 18.8 56.4#  
77 0.0 25.1 37.7#

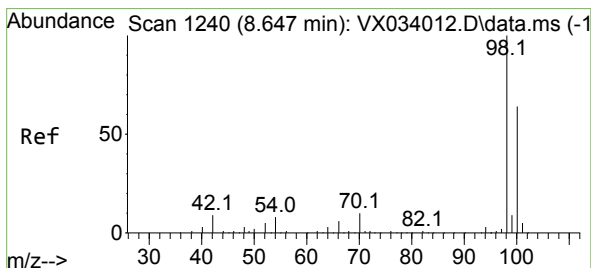
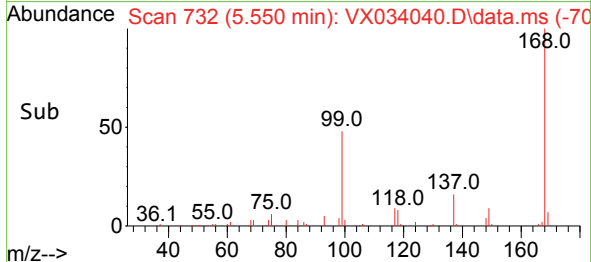
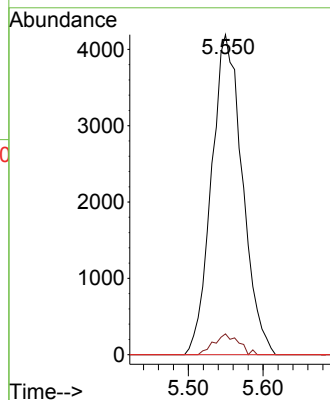
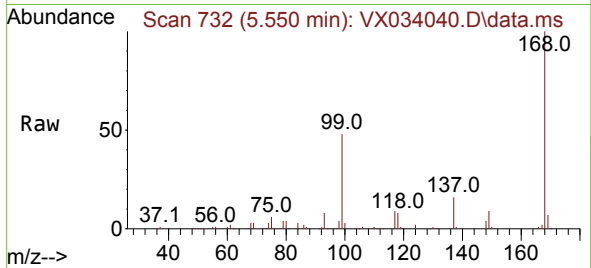




#38  
Carbon Tetrachloride  
Concen: 6.387 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

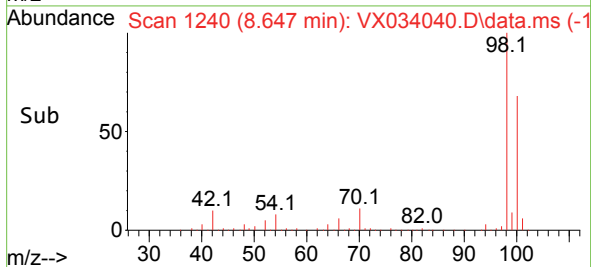
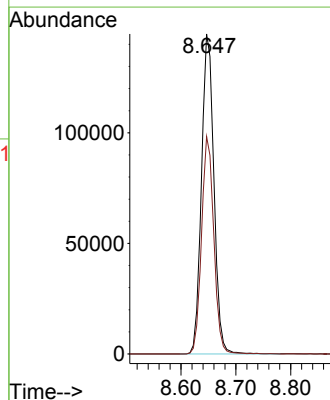
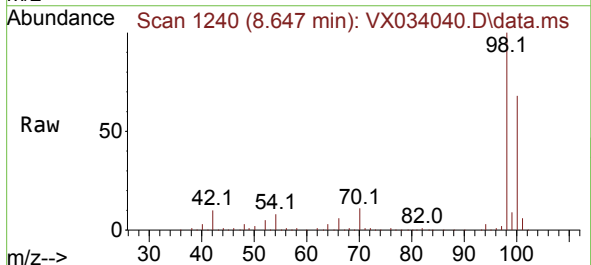
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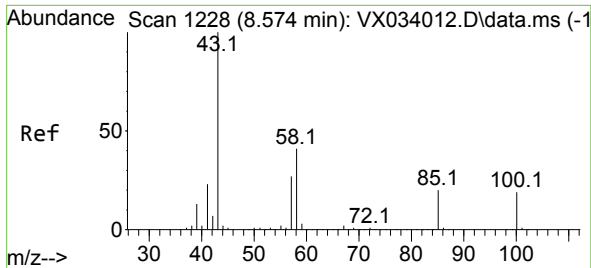
Tgt Ion:117 Resp: 12057  
Ion Ratio Lower Upper  
117 100  
119 6.5 78.0 117.0#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 49.014 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

Tgt Ion: 98 Resp: 227985  
Ion Ratio Lower Upper  
98 100  
100 67.1 53.6 80.4

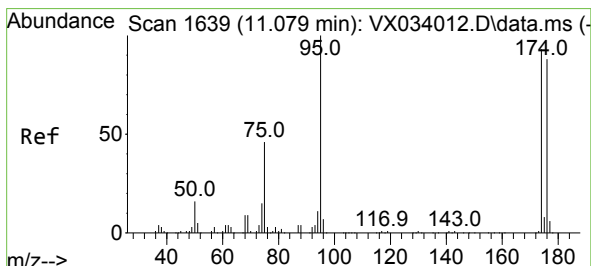
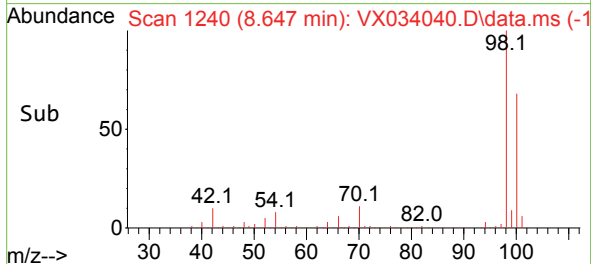
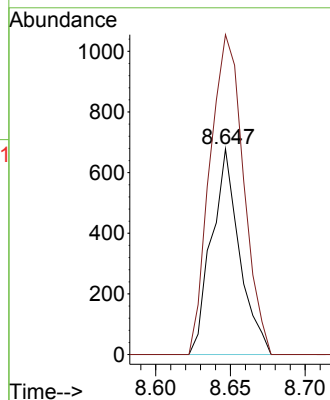
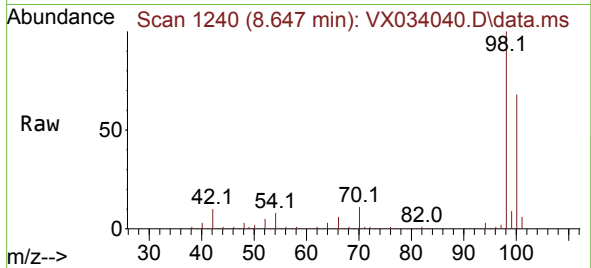




#51  
4-Methyl-2-Pentanone  
Concen: 0.546 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

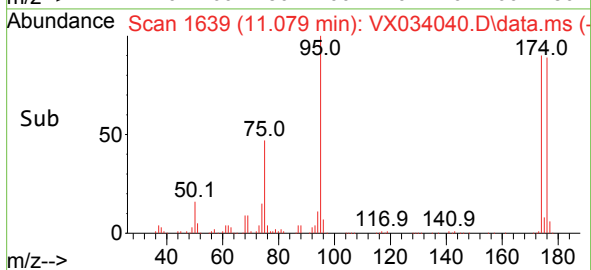
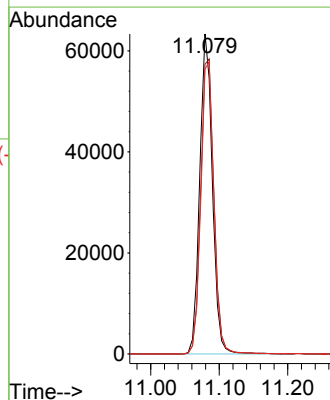
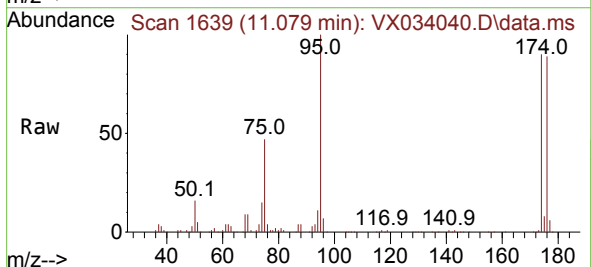
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-TB-20230130

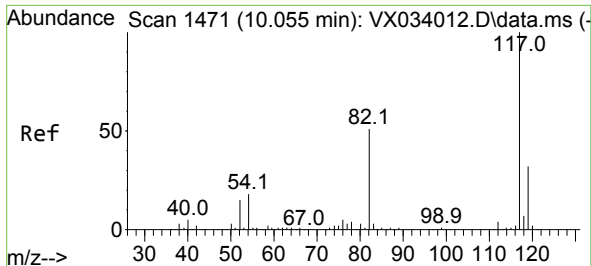
Tgt Ion: 43 Resp: 881  
Ion Ratio Lower Upper  
43 100  
58 187.3 31.2 46.8#



#62  
4-Bromofluorobenzene  
Concen: 49.027 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

Tgt Ion: 95 Resp: 81447  
Ion Ratio Lower Upper  
95 100  
174 96.9 0.0 184.4  
176 94.1 0.0 178.8

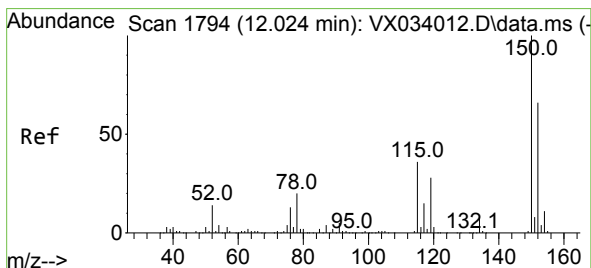
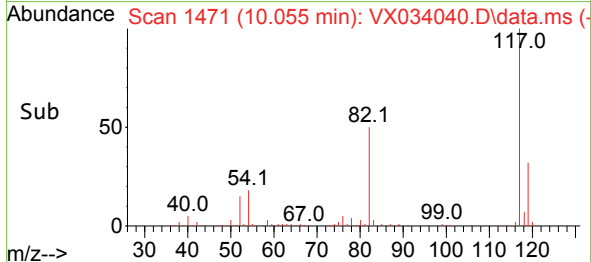
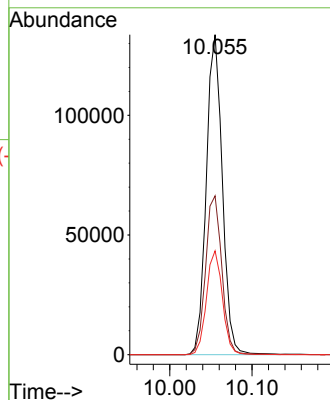
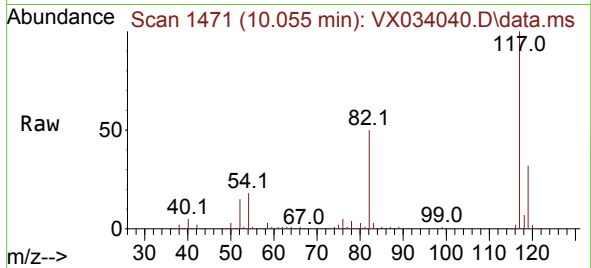




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

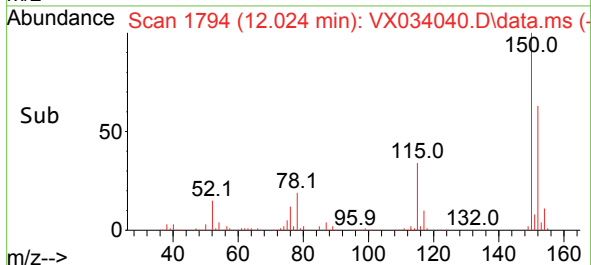
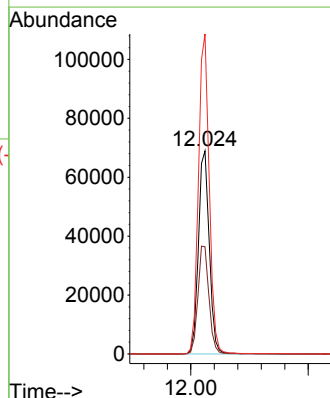
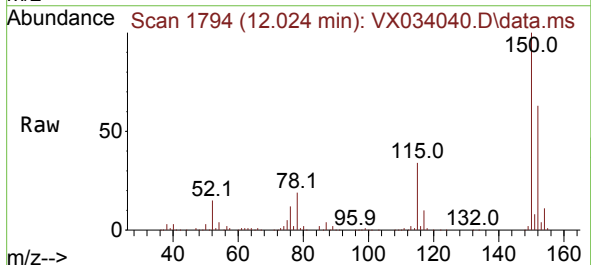
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-TB-20230130

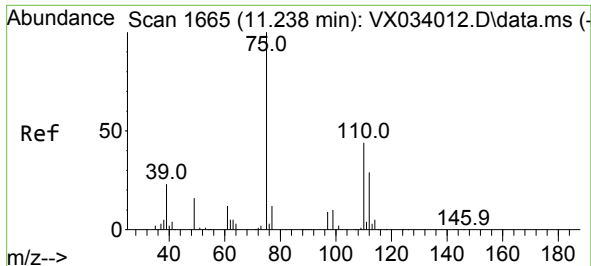
Tgt Ion:117 Resp: 181008  
Ion Ratio Lower Upper  
117 100  
82 49.7 40.6 60.8  
119 32.4 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

Tgt Ion:152 Resp: 88502  
Ion Ratio Lower Upper  
152 100  
115 53.9 38.7 116.1  
150 156.3 0.0 348.2

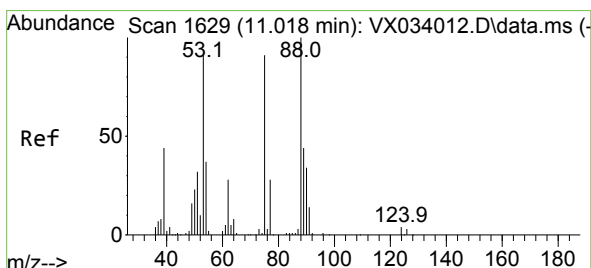
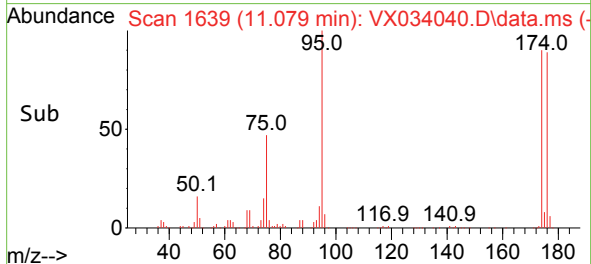
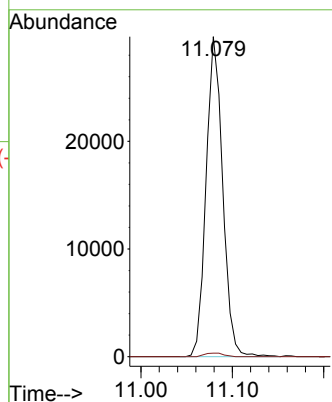
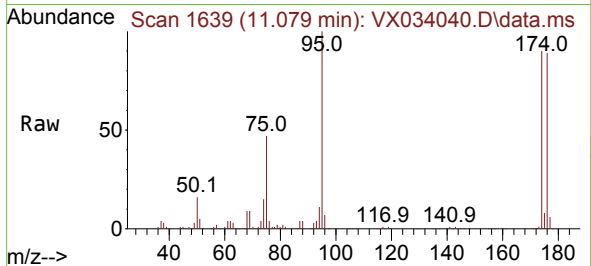




#76  
1,2,3-Trichloropropane  
Concen: 24.546 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-TB-20230130

Tgt Ion: 75 Resp: 37301  
Ion Ratio Lower Upper  
75 100  
77 1.3 21.8 65.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.592 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX034040.D  
Acq: 06 Feb 2023 20:11

Tgt Ion: 75 Resp: 37301  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.0 124.6#  
89 0.0 37.7 56.5#

