

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012023\  
 Data File : VX033825.D  
 Acq On : 20 Jan 2023 13:58  
 Operator : JC/MD  
 Sample : 01242-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW10-DUP-20230118

Quant Time: Jan 21 04:44:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 11 14:48:42 2023  
 Response via : Initial Calibration

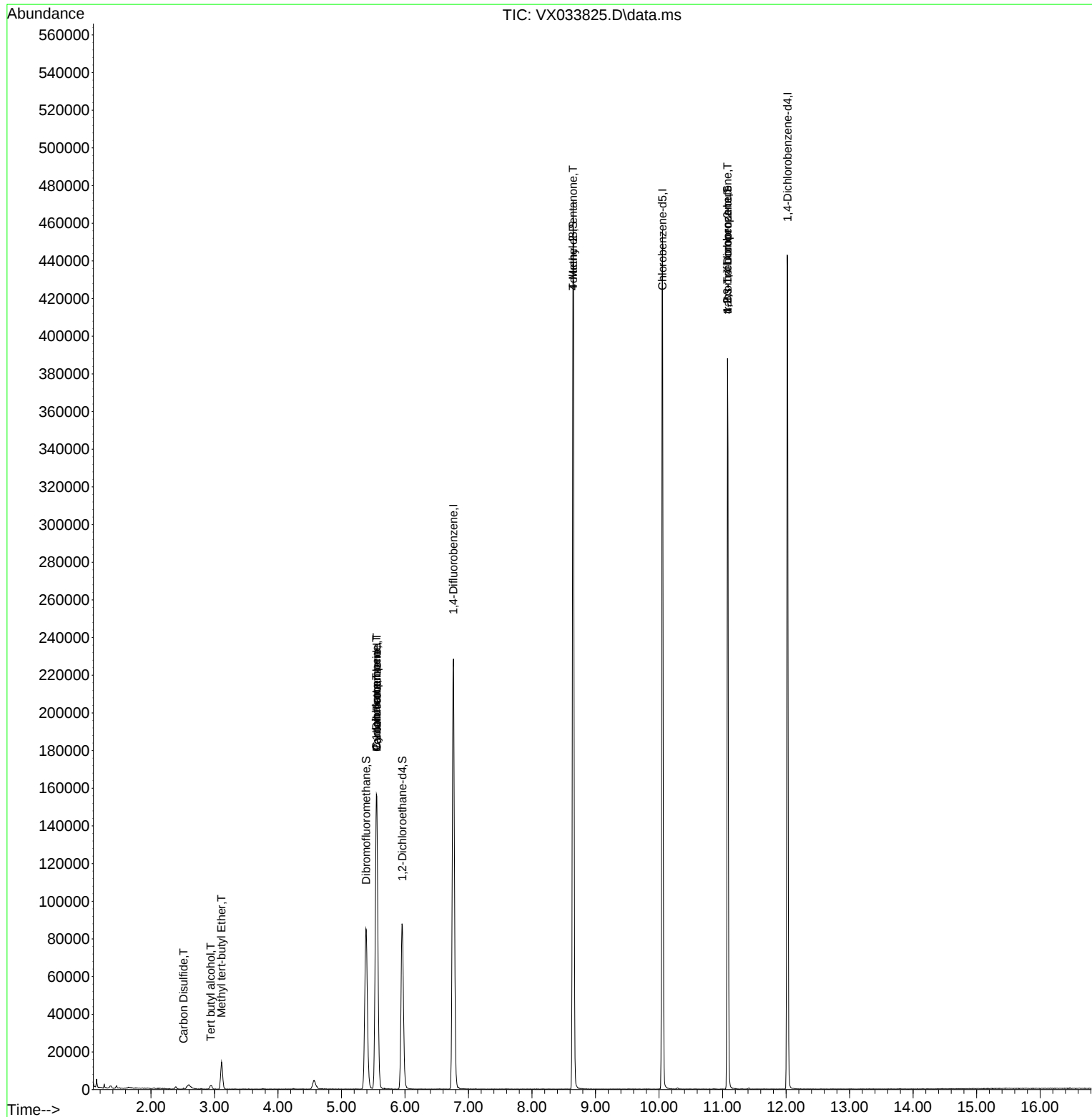
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 169655     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 250737     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 222707     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 107648     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 84361      | 47.226    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 94.460%   |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 76518      | 49.146    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 98.300%   |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 283676     | 50.007    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 100.020%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 99527      | 47.255    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 94.500%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      | Qvalue     |           |        |          |
| 11) Tert butyl alcohol        | 2.940          | 59   | 1439       | 4.637     | ug/l # | 86       |
| 16) Acetone                   | 2.392          | 43   | 1631       | Below Cal | #      | 75       |
| 17) Carbon Disulfide          | 2.514          | 76   | 445        | 1.945     | ug/l # | 76       |
| 19) Methyl tert-butyl Ether   | 3.111          | 73   | 15107      | 3.151     | ug/l   | 99       |
| 20) Methylene Chloride        | 2.788          | 84   | 189        | Below Cal | #      | 64       |
| 31) Cyclohexane               | 5.550          | 56   | 2562       | 0.975     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 10286      | 4.527     | ug/l # | 48       |
| 37) Ethyl Acetate             | 4.599          | 43   | 160        | Below Cal | #      | 68       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 14256      | 6.058     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 1141       | 0.518     | ug/l # | 1        |
| 73) Isopropylbenzene          | 11.079         | 105  | 97         | Below Cal | #      | 48       |
| 75) 1,1,2,2-Tetrachloroethane | 11.073         | 83   | 46         | Below Cal | #      | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 46307      | 23.413    | ug/l # | 34       |
| 79) 2-Chlorotoluene           | 11.305         | 91   | 71         | Below Cal | #      | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 46307      | 72.763    | ug/l # | 8        |
| 82) 4-Chlorotoluene           | 11.305         | 91   | 71         | Below Cal | #      | 43       |
| -----                         |                |      |            |           |        |          |

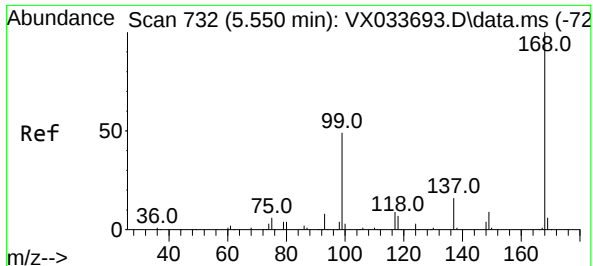
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012023\  
Data File : VX033825.D  
Acq On : 20 Jan 2023 13:58  
Operator : JC/MD  
Sample : 01242-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-DUP-20230118

Quant Time: Jan 21 04:44:11 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 11 14:48:42 2023  
Response via : Initial Calibration

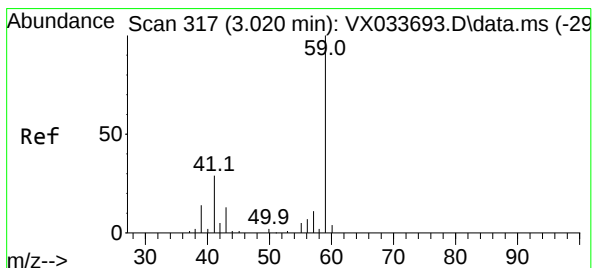
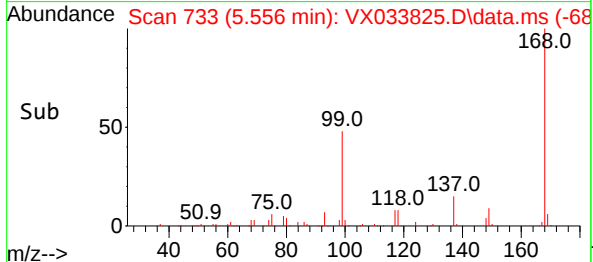
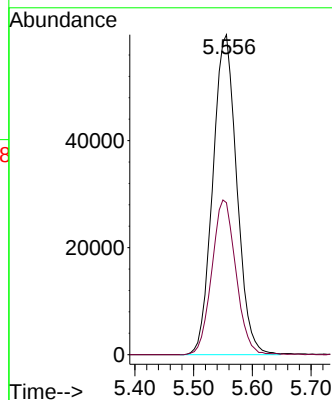
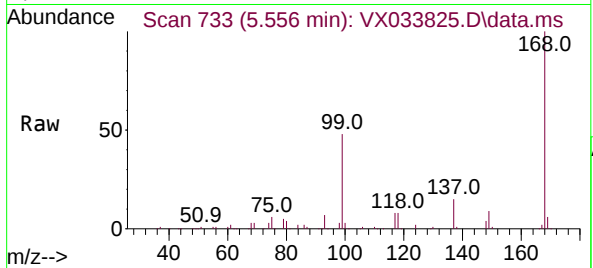




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

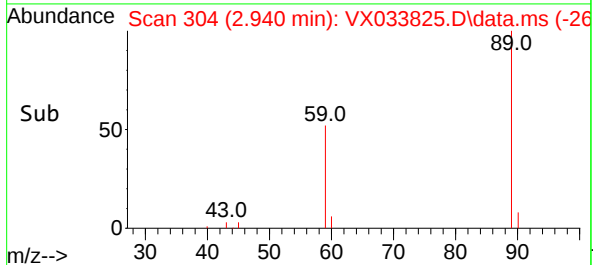
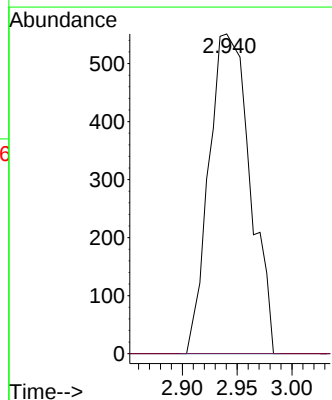
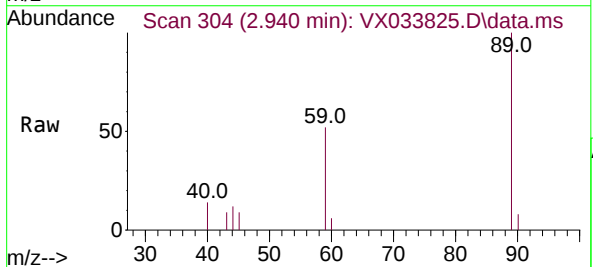
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-DUP-20230118

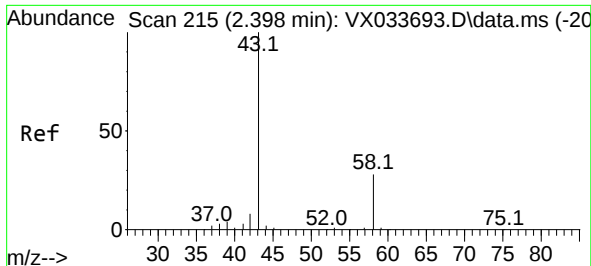
Tgt Ion:168 Resp: 169655  
Ion Ratio Lower Upper  
168 100  
99 47.5 39.6 59.4



#11  
Tert butyl alcohol  
Concen: 4.637 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.079 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

Tgt Ion: 59 Resp: 1439  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.7 5.5#

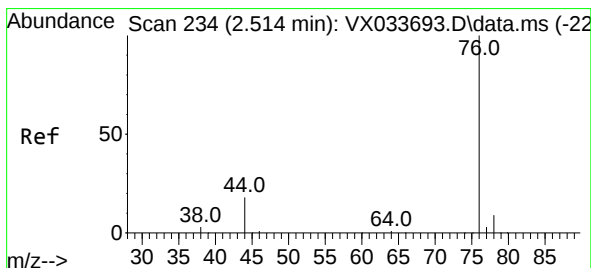
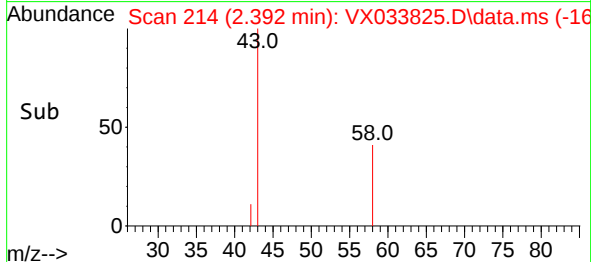
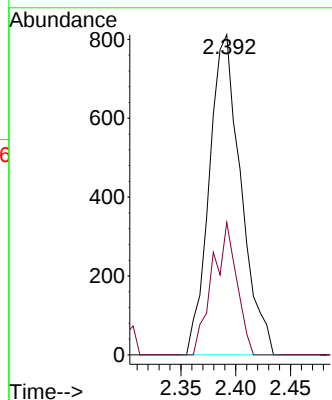
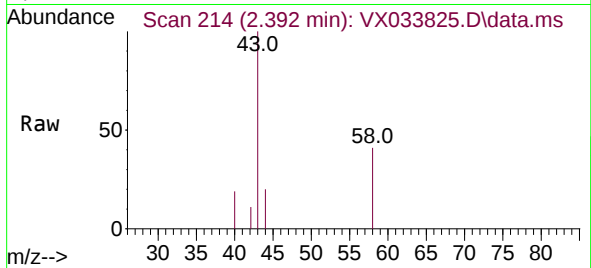




#16  
Acetone  
Concen: Below Cal  
RT: 2.392 min Scan# 215  
Delta R.T. -0.006 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

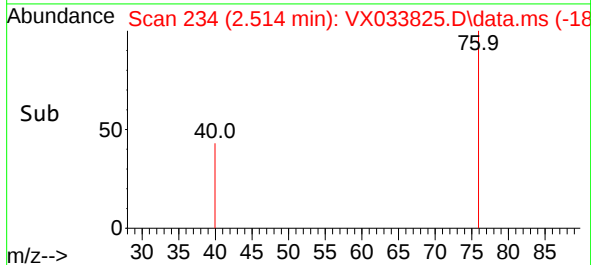
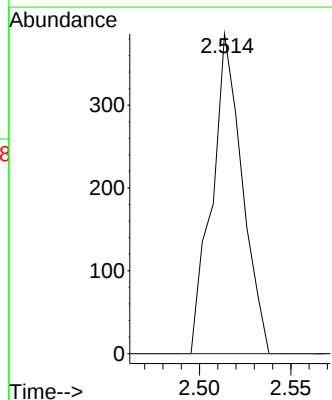
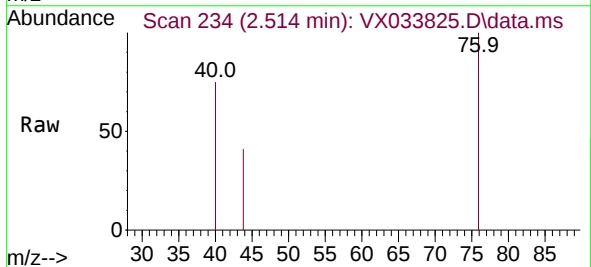
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-DUP-20230118

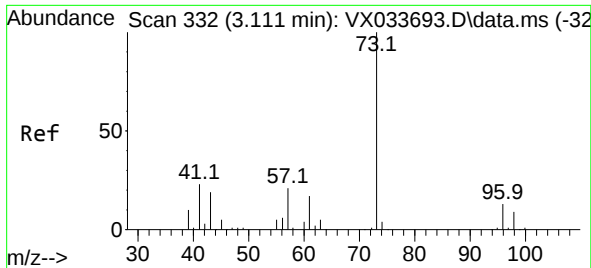
Tgt Ion: 43 Resp: 1631  
Ion Ratio Lower Upper  
43 100  
58 41.4 22.6 33.8#



#17  
Carbon Disulfide  
Concen: 1.945 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

Tgt Ion: 76 Resp: 445  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#

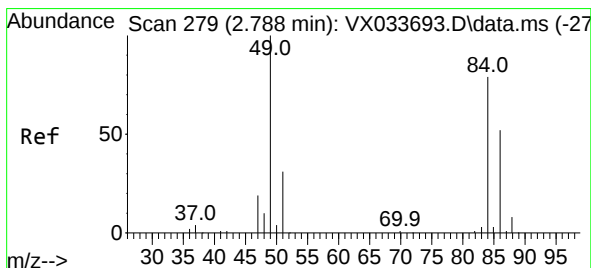
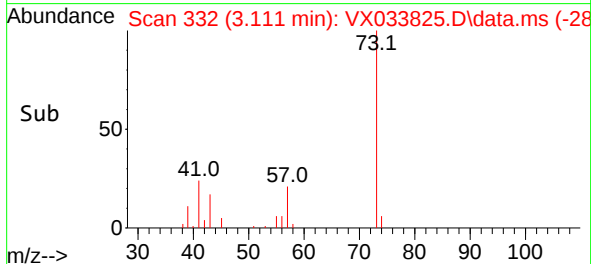
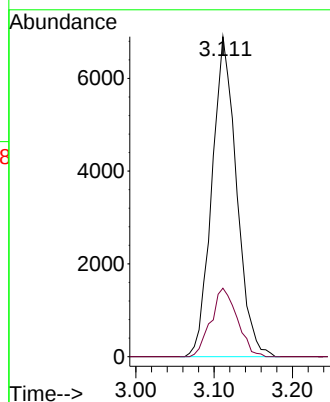
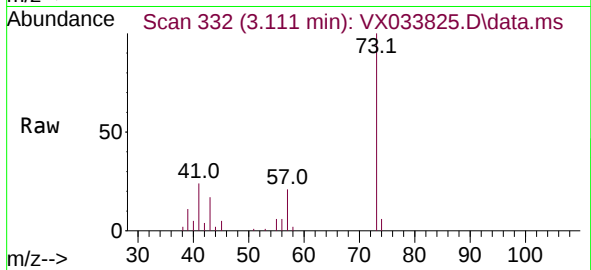




#19  
Methyl tert-butyl Ether  
Concen: 3.151 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

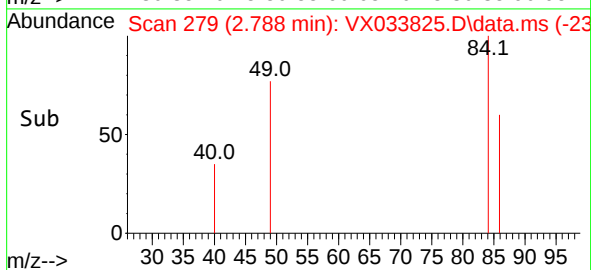
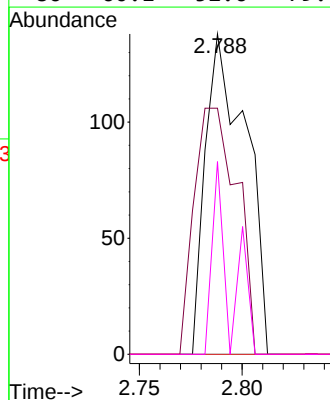
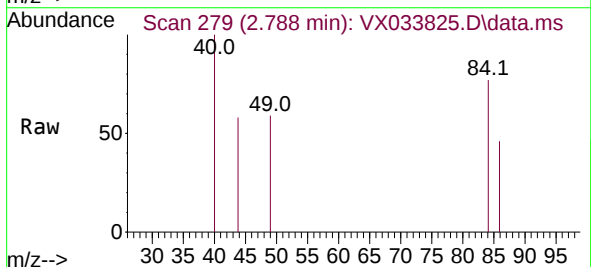
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-DUP-20230118

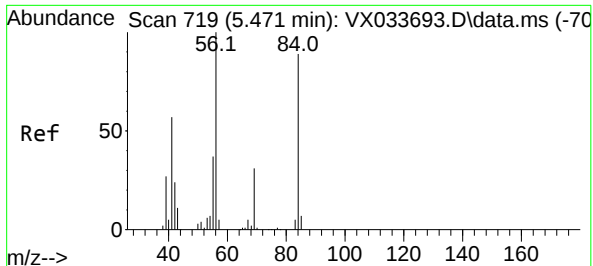
Tgt Ion: 73 Resp: 15107  
Ion Ratio Lower Upper  
73 100  
57 21.4 17.4 26.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

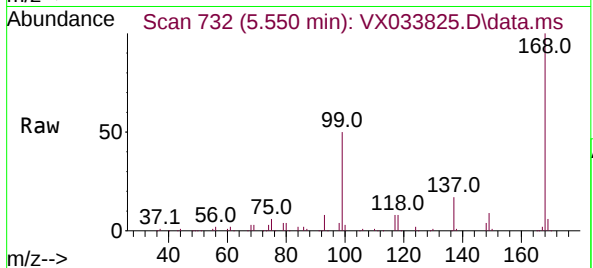
Tgt Ion: 84 Resp: 189  
Ion Ratio Lower Upper  
84 100  
49 76.8 101.1 151.7#  
51 0.0 31.0 46.6#  
86 60.1 52.6 79.0



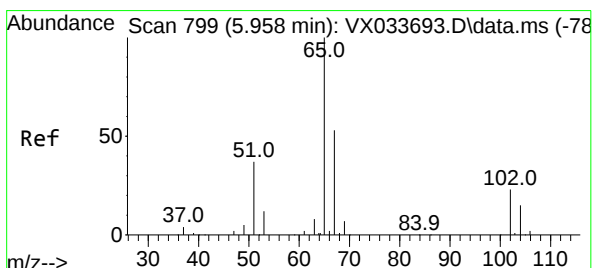
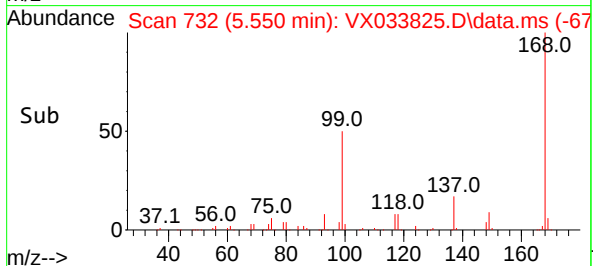
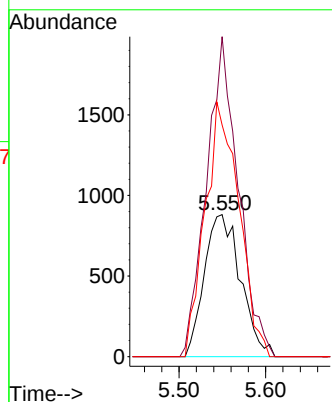


#31  
Cyclohexane  
Concen: 0.975 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-DUP-20230118

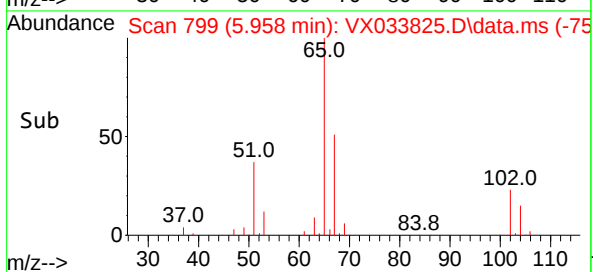
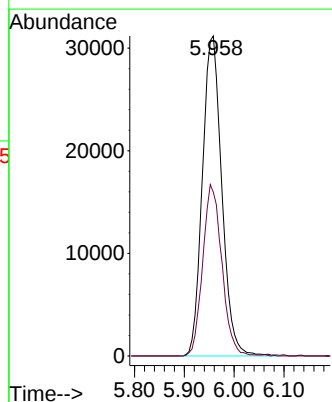
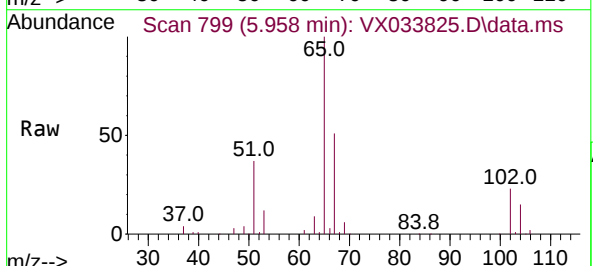


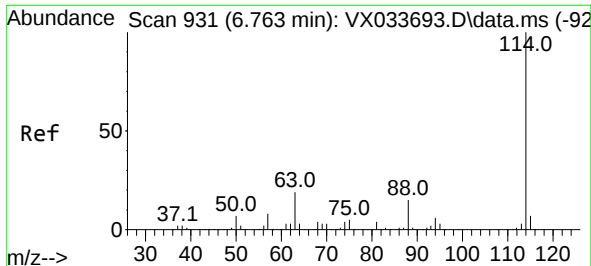
Tgt Ion: 56 Resp: 2562  
Ion Ratio Lower Upper  
56 100  
69 225.3 24.6 37.0#  
84 163.1 71.0 106.6#



#33  
1,2-Dichloroethane-d4  
Concen: 47.226 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

Tgt Ion: 65 Resp: 84361  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 104.8

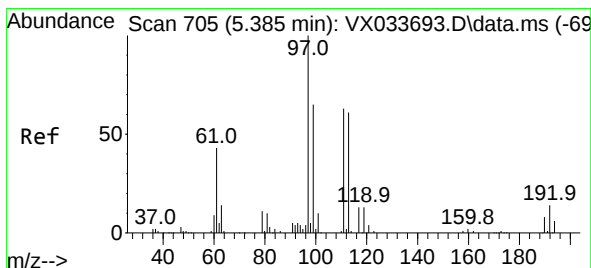
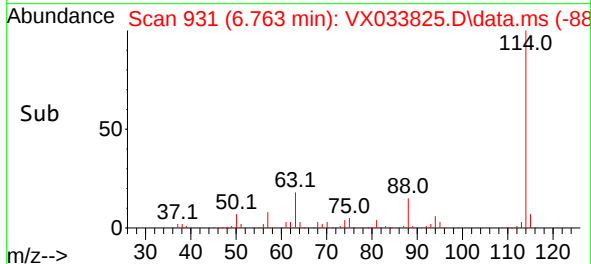
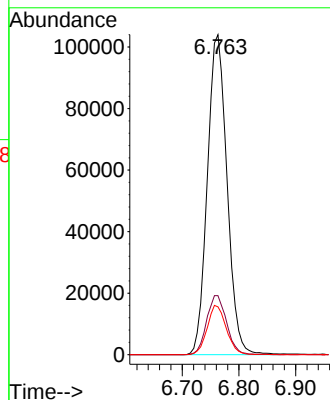
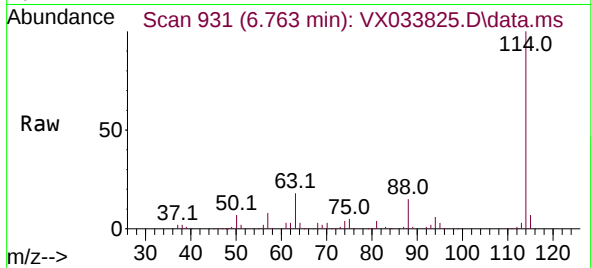




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

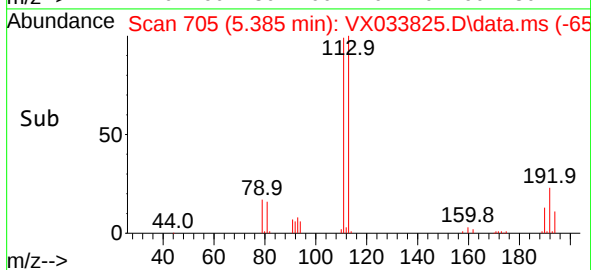
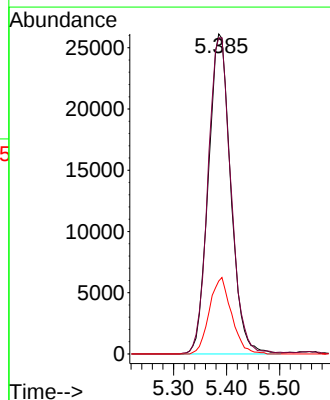
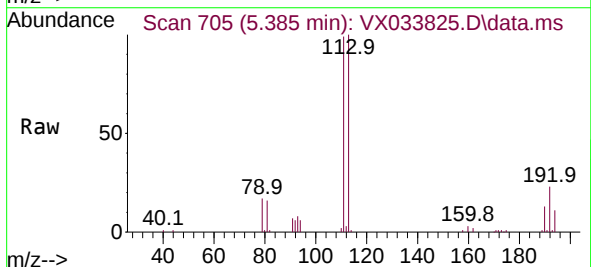
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-DUP-20230118

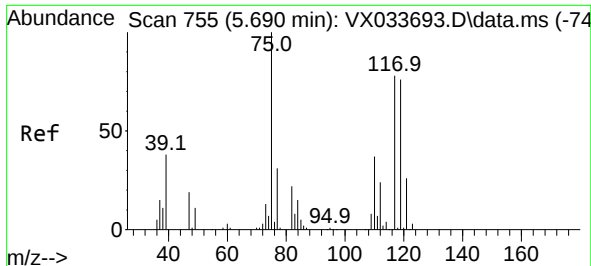
Tgt Ion:114 Resp: 250737  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 37.4  
88 15.0 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 49.146 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

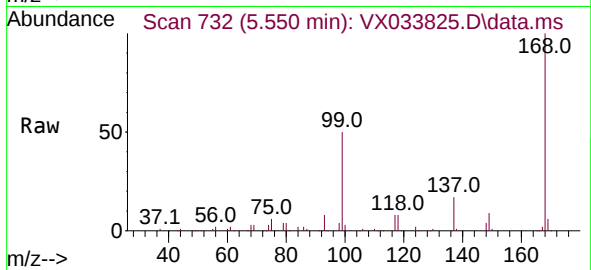
Tgt Ion:113 Resp: 76518  
Ion Ratio Lower Upper  
113 100  
111 101.3 83.0 124.6  
192 23.7 19.0 28.4



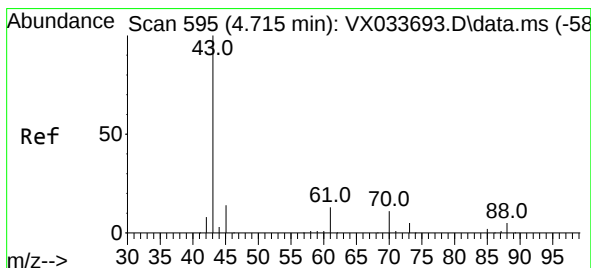
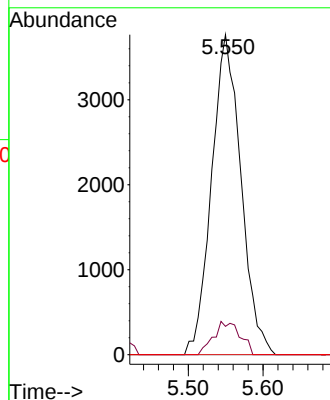
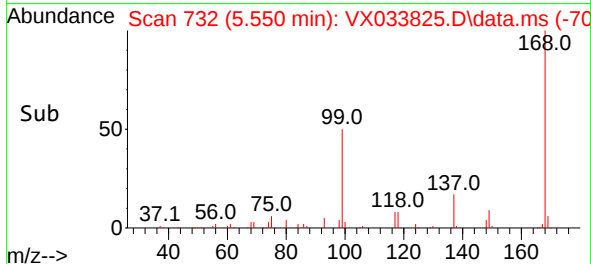


#36  
1,1-Dichloropropene  
Concen: 4.527 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-DUP-20230118

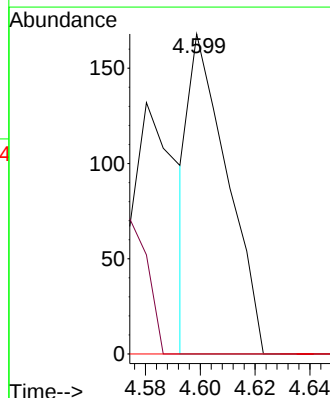
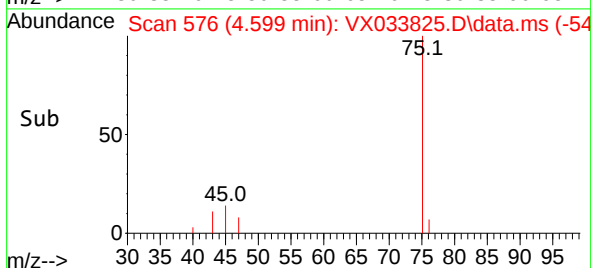
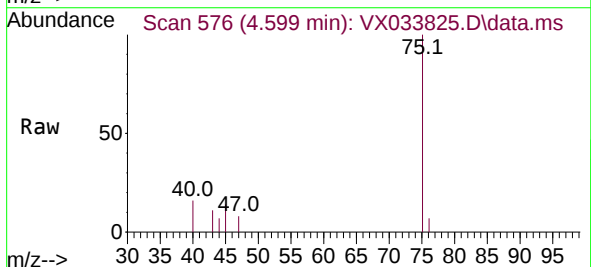


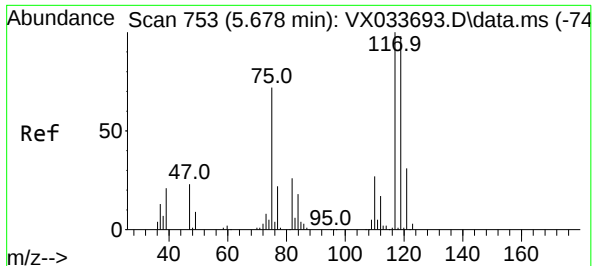
Tgt Ion: 75 Resp: 10286  
Ion Ratio Lower Upper  
75 100  
110 9.3 18.8 56.4#  
77 0.0 25.1 37.7#



#37  
Ethyl Acetate  
Concen: Below Cal  
RT: 4.599 min Scan# 576  
Delta R.T. -0.116 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

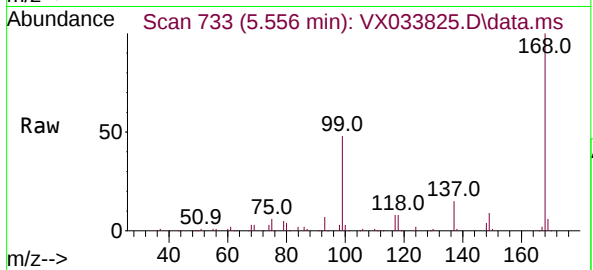
Tgt Ion: 43 Resp: 160  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.1 16.7#  
70 0.0 8.5 12.7#



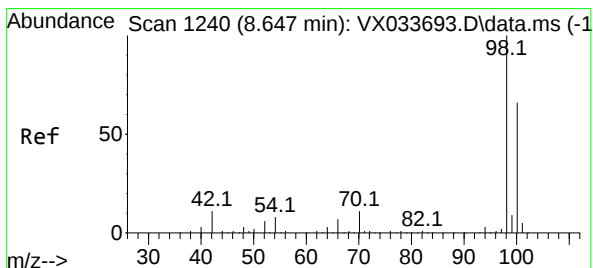
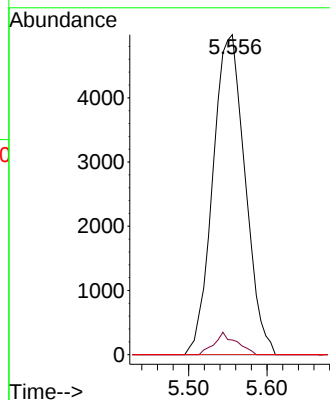
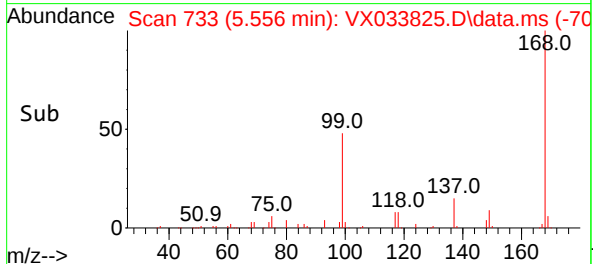


#38  
Carbon Tetrachloride  
Concen: 6.058 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.122 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-DUP-20230118

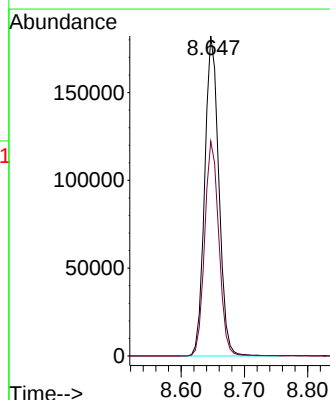
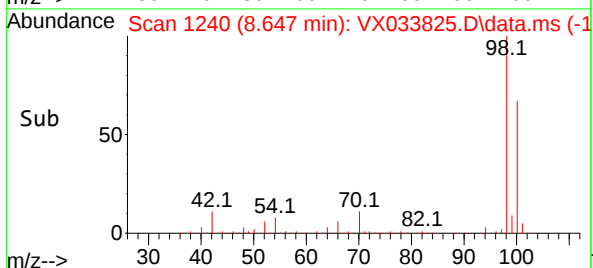
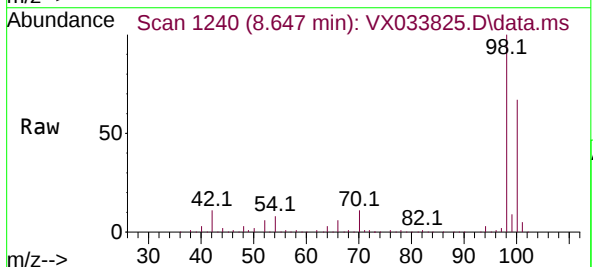


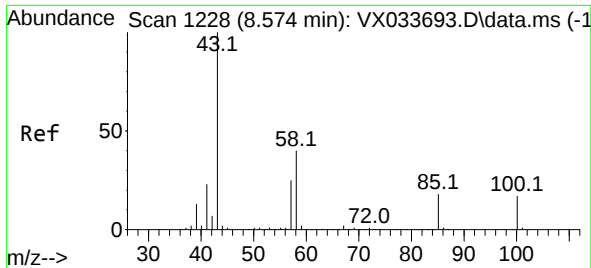
Tgt Ion:117 Resp: 14256  
Ion Ratio Lower Upper  
117 100  
119 4.6 78.0 117.0#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 50.007 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

Tgt Ion: 98 Resp: 283676  
Ion Ratio Lower Upper  
98 100  
100 67.3 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 0.518 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX033825.D

Acq: 20 Jan 2023 13:58

Instrument :

MSVOA\_X

ClientSampleId :

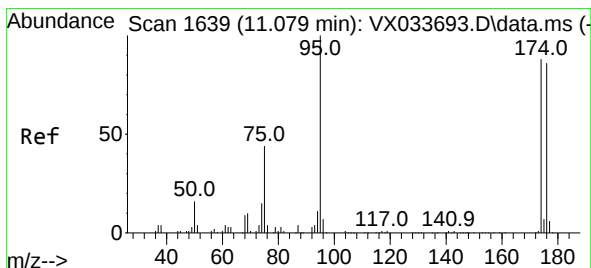
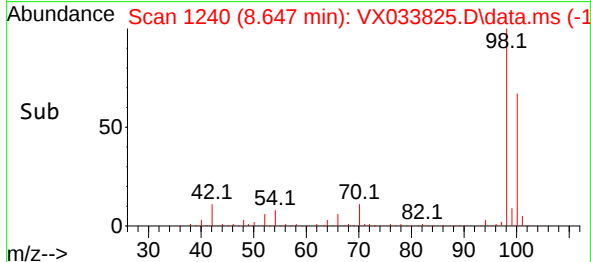
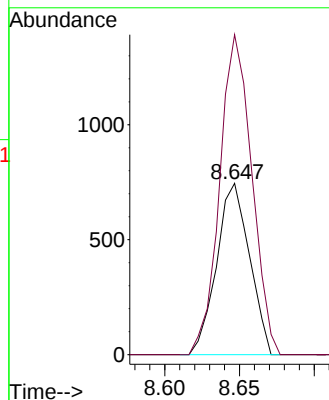
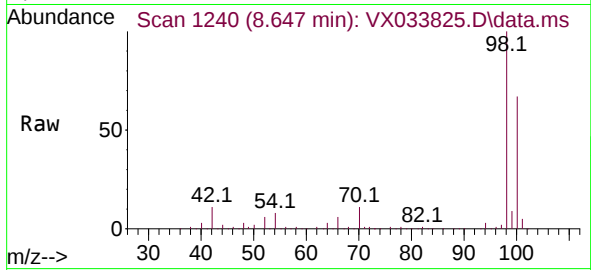
BP-VPB-RW10-DUP-20230118

Tgt Ion: 43 Resp: 1141

Ion Ratio Lower Upper

43 100

58 182.7 31.2 46.8#



#62

4-Bromofluorobenzene

Concen: 47.255 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033825.D

Acq: 20 Jan 2023 13:58

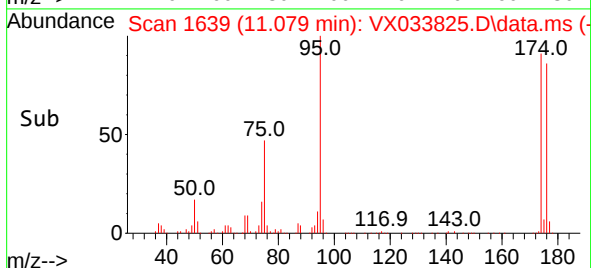
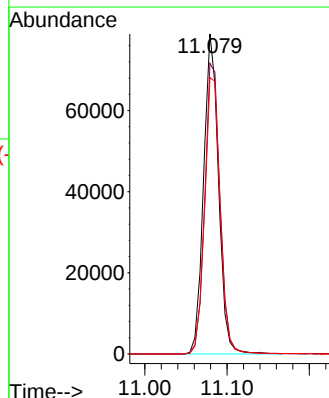
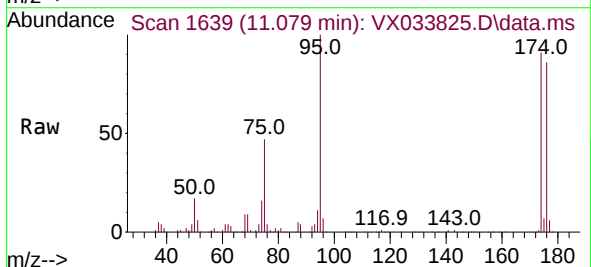
Tgt Ion: 95 Resp: 99527

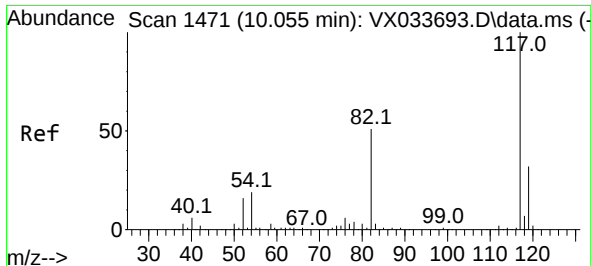
Ion Ratio Lower Upper

95 100

174 93.6 0.0 184.4

176 90.1 0.0 178.8

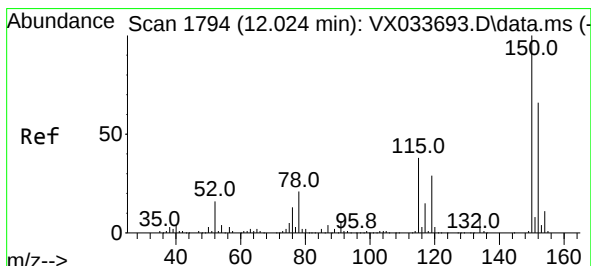
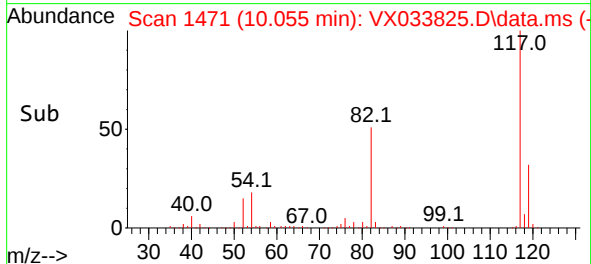
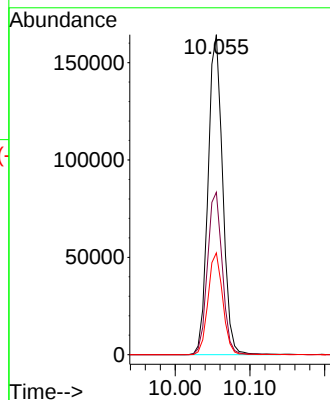
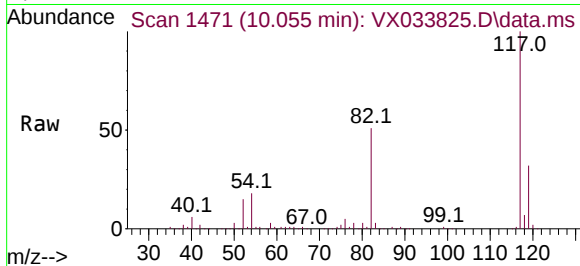




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

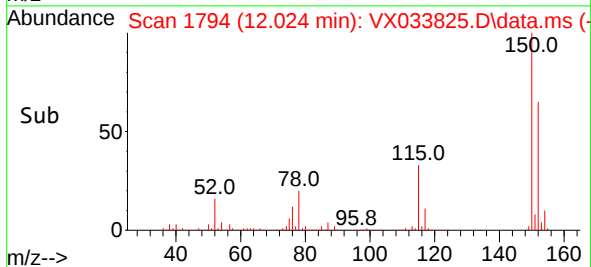
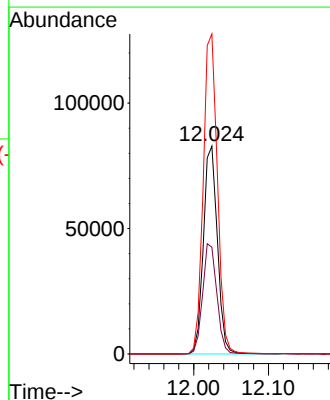
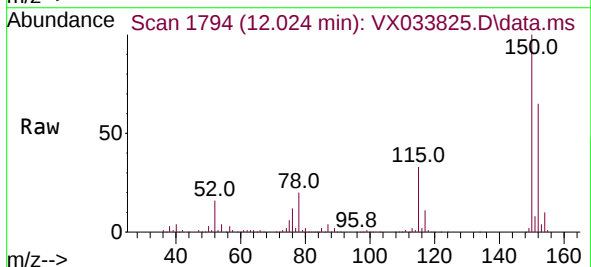
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-DUP-20230118

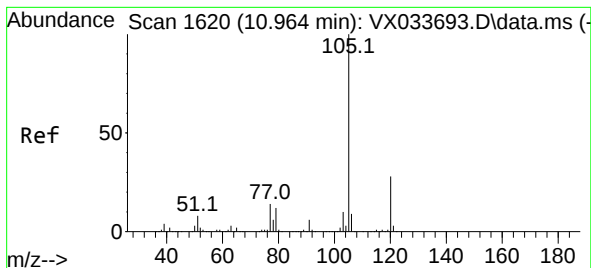
Tgt Ion:117 Resp: 222707  
Ion Ratio Lower Upper  
117 100  
82 50.8 40.6 60.8  
119 31.8 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

Tgt Ion:152 Resp: 107648  
Ion Ratio Lower Upper  
152 100  
115 54.0 38.7 116.1  
150 156.0 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.079 min Scan# 1

Delta R.T. 0.115 min

Lab File: VX033825.D

Acq: 20 Jan 2023 13:58

Instrument :

MSVOA\_X

ClientSampleId :

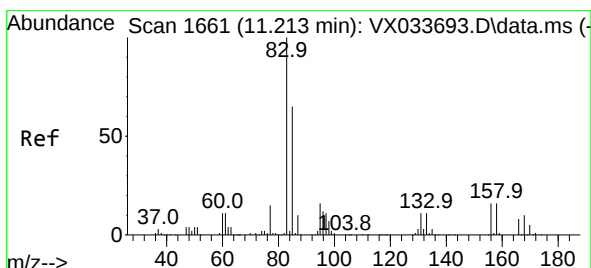
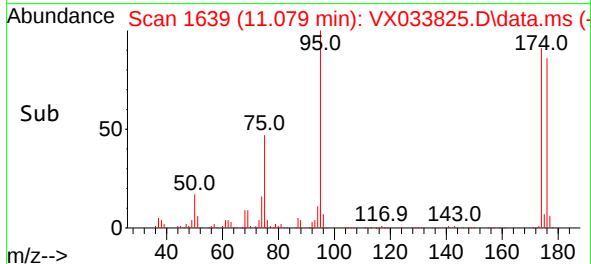
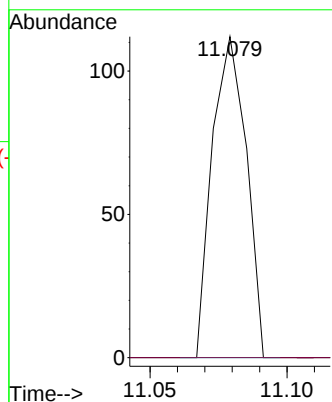
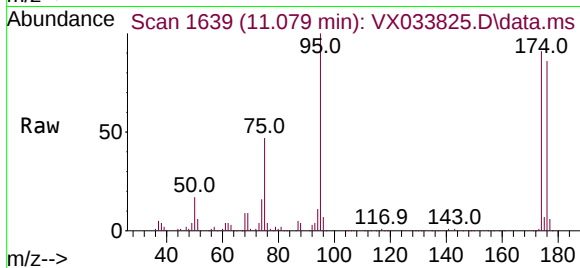
BP-VPB-RW10-DUP-20230118

Tgt Ion:105 Resp: 97

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.073 min Scan# 1638

Delta R.T. -0.140 min

Lab File: VX033825.D

Acq: 20 Jan 2023 13:58

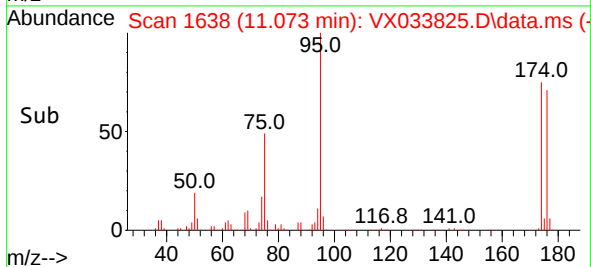
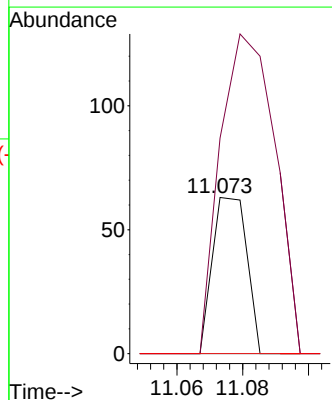
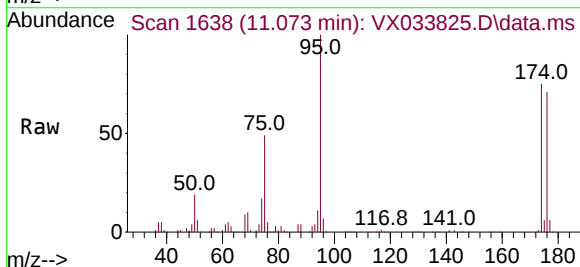
Tgt Ion: 83 Resp: 46

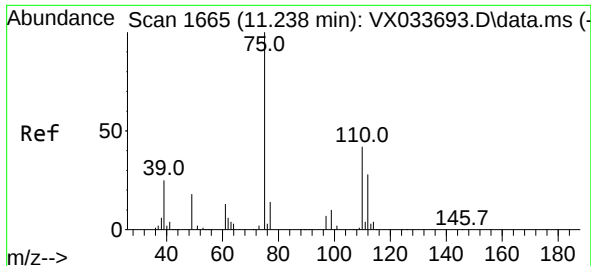
Ion Ratio Lower Upper

83 100

131 326.1 5.5 16.7#

85 0.0 32.3 96.9#

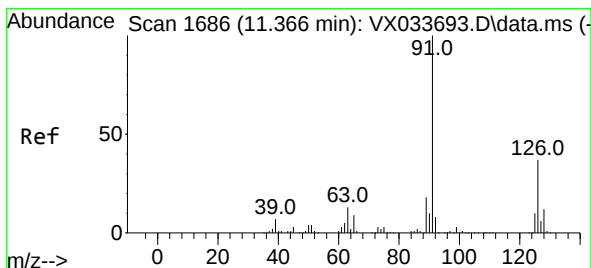
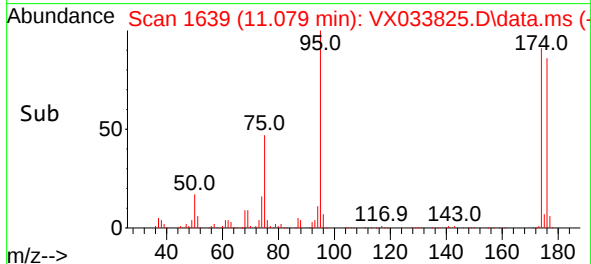
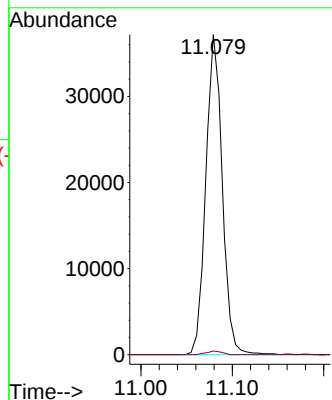
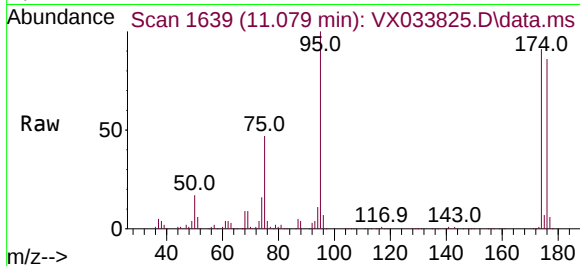




#76  
1,2,3-Trichloropropane  
Concen: 23.413 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

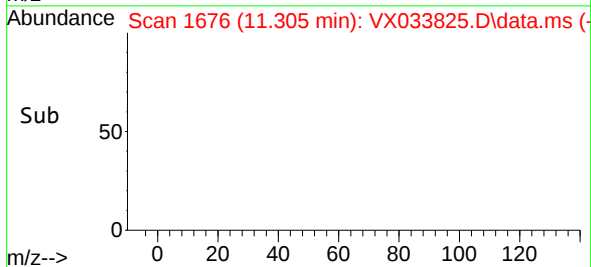
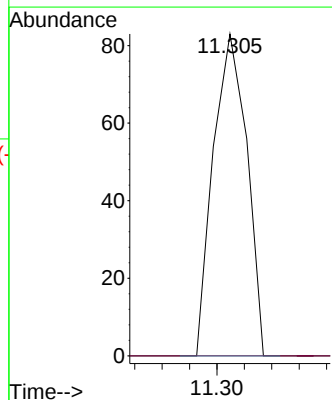
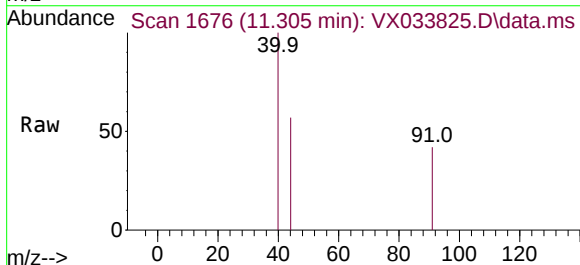
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-DUP-20230118

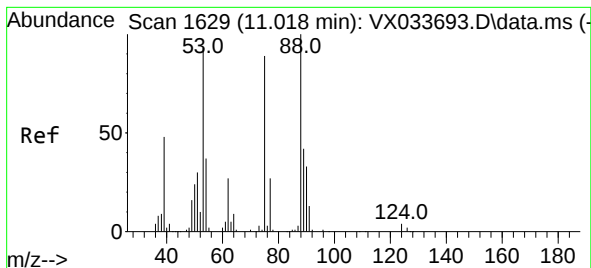
Tgt Ion: 75 Resp: 46307  
Ion Ratio Lower Upper  
75 100  
77 1.1 21.8 65.4#



#79  
2-Chlorotoluene  
Concen: Below Cal  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.061 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

Tgt Ion: 91 Resp: 71  
Ion Ratio Lower Upper  
91 100  
126 0.0 18.1 54.1#

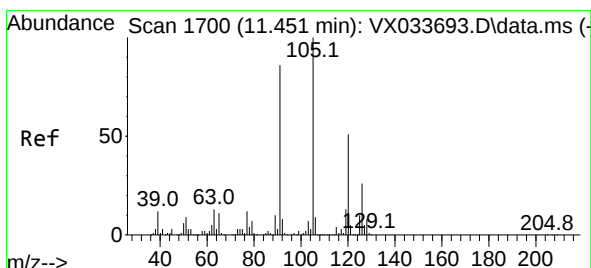
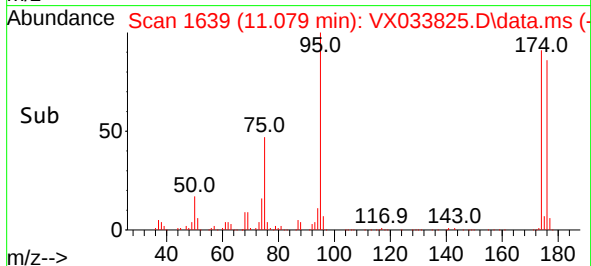
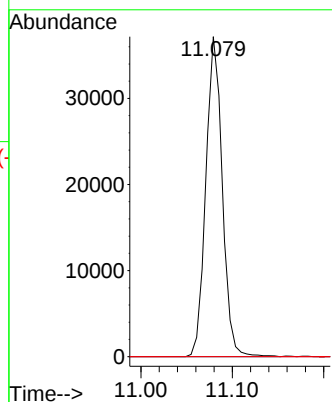
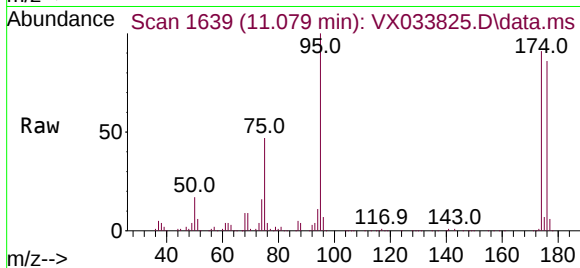




#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.763 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW10-DUP-20230118

Tgt Ion: 75 Resp: 46307  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.0 124.6#  
89 0.0 37.7 56.5#



#82  
4-Chlorotoluene  
Concen: Below Cal  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.146 min  
Lab File: VX033825.D  
Acq: 20 Jan 2023 13:58

Tgt Ion: 91 Resp: 71  
Ion Ratio Lower Upper  
91 100  
126 0.0 15.8 47.4#

