

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091522\  
 Data File : VX031387.D  
 Acq On : 16 Sep 2022 05:25  
 Operator : JC/MD  
 Sample : N4626-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW5-GW-358-360

Quant Time: Sep 16 08:48:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091422W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 01:50:07 2022  
 Response via : Initial Calibration

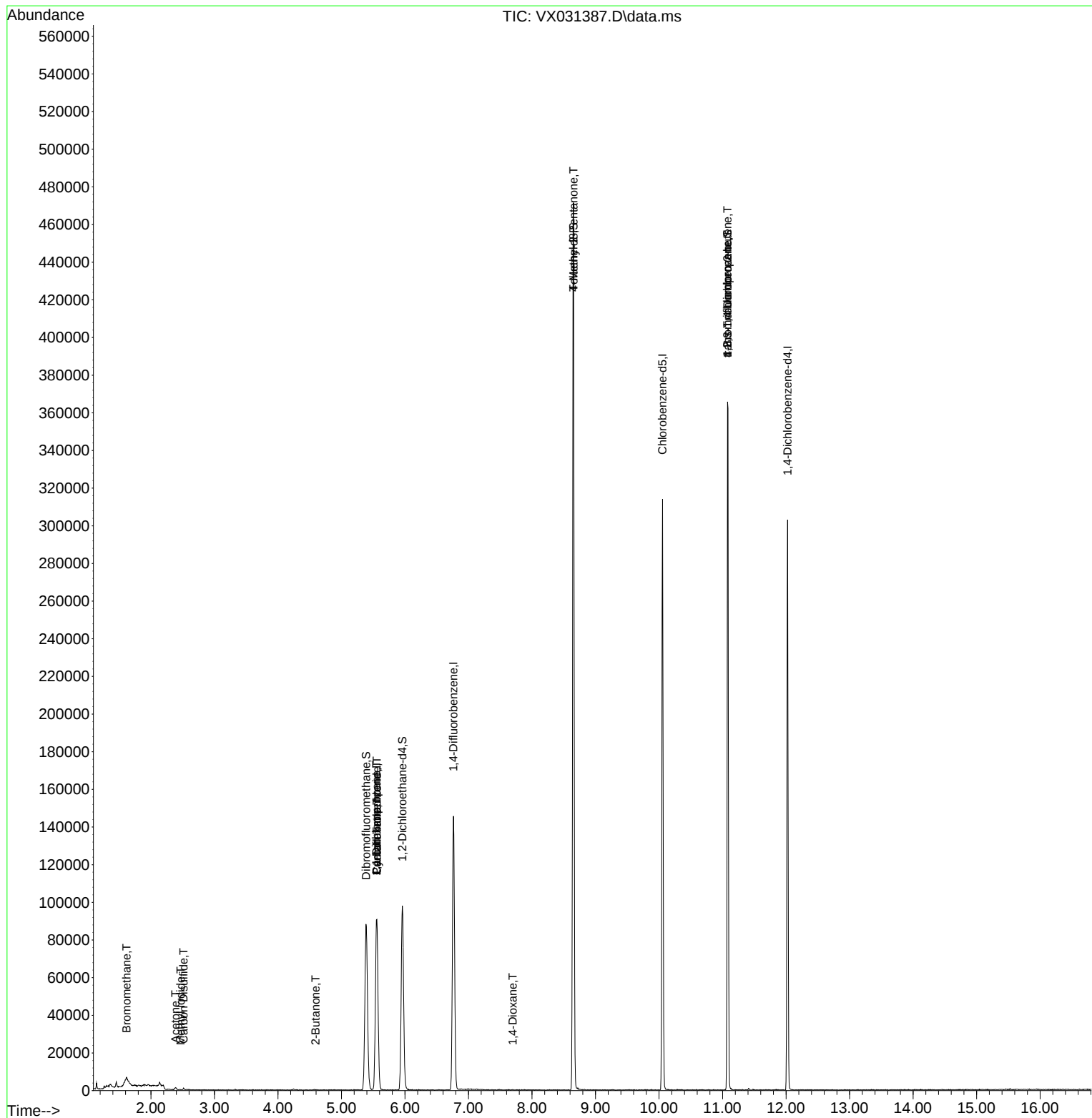
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 88028    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 147358   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 129985   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 59171    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 88193    | 40.817    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 81.640%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 72975    | 46.070    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 92.140%  |
| 50) Toluene-d8                | 8.653  | 98    | 276014   | 46.453    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 92.900%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 85218    | 39.166    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 78.340%# |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.294  | 50    | 166      | Below Cal | #      | 41       |
| 5) Bromomethane               | 1.617  | 94    | 453      | 0.393     | ug/l # | 31       |
| 10) Methyl Iodide             | 2.465  | 142   | 45       | 0.940     | ug/l # | 38       |
| 16) Acetone                   | 2.386  | 43    | 1406     | 1.524     | ug/l   | 97       |
| 17) Carbon Disulfide          | 2.514  | 76    | 939      | 1.193     | ug/l # | 93       |
| 25) 2-Butanone                | 4.593  | 43    | 425      | 0.279     | ug/l # | 49       |
| 31) Cyclohexane               | 5.556  | 56    | 2152     | 0.927     | ug/l # | 33       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 7109     | 3.279     | ug/l # | 44       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 8770     | 3.721     | ug/l # | 16       |
| 49) 1,4-Dioxane               | 7.696  | 88    | 78       | 1.757     | ug/l # | 56       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 1504     | 0.509     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 49358    | 33.101    | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 49358    | 91.592    | ug/l # | 11       |
| -----                         |        |       |          |           |        |          |

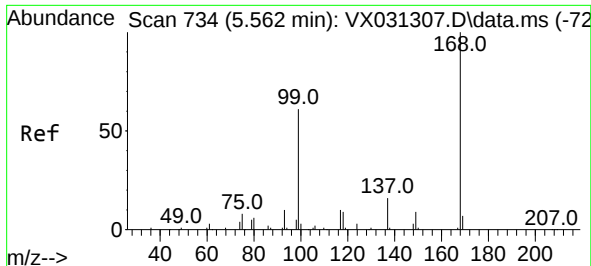
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB-RW5-GW-358-360

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Quant Title : SW846 8260  
QLast Update : Thu Sep 15 01:50:07 2022  
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: VX031387.D

Acq: 16 Sep 2022 05:25

Instrument :

MSVOA\_X

ClientSampleId :

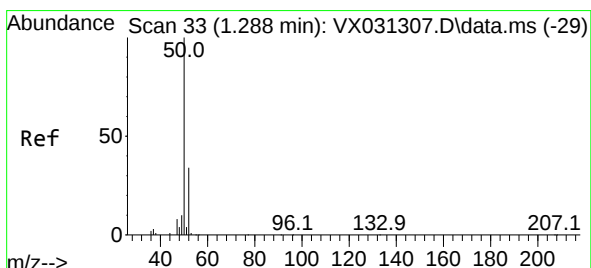
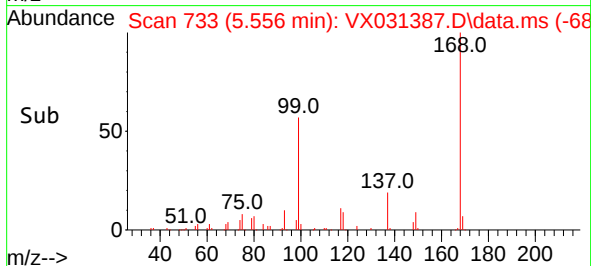
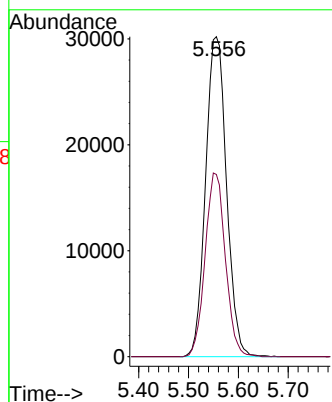
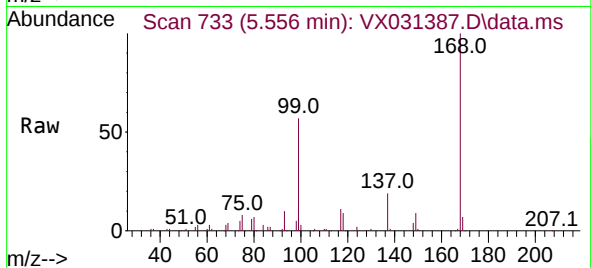
BP-VPB-RW5-GW-358-360

Tgt Ion:168 Resp: 88028

Ion Ratio Lower Upper

168 100

99 56.9 48.8 73.2



#3

Chloromethane

Concen: Below Cal

RT: 1.294 min Scan# 34

Delta R.T. 0.006 min

Lab File: VX031387.D

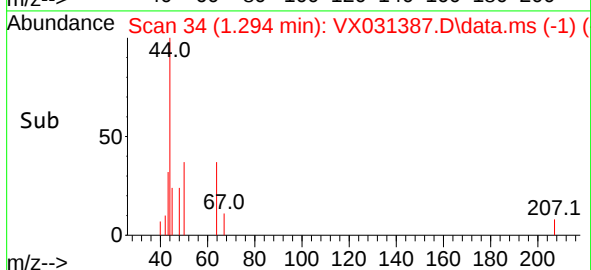
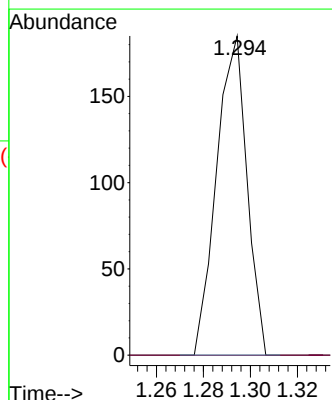
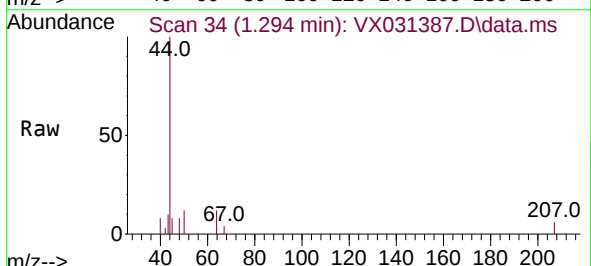
Acq: 16 Sep 2022 05:25

Tgt Ion: 50 Resp: 166

Ion Ratio Lower Upper

50 100

52 0.0 26.9 40.3#

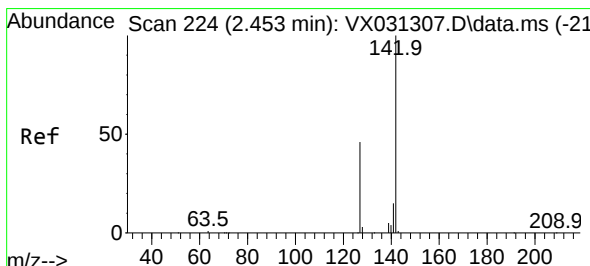
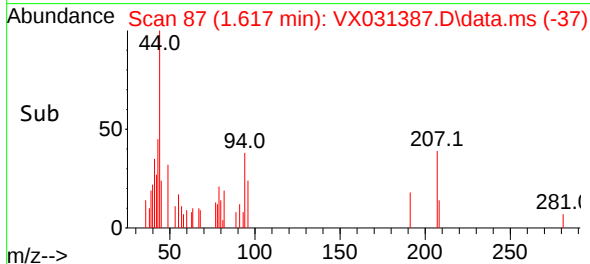
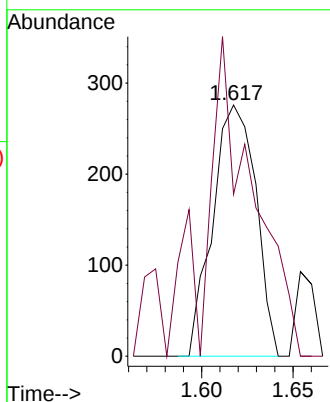
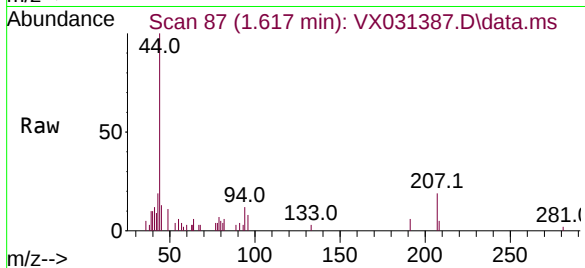




#5  
Bromomethane  
Concen: 0.393 ug/l  
RT: 1.617 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VX031387.D  
Acq: 16 Sep 2022 05:25

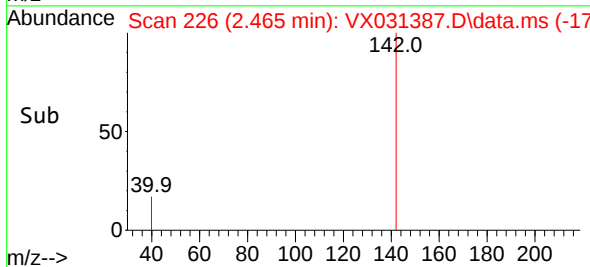
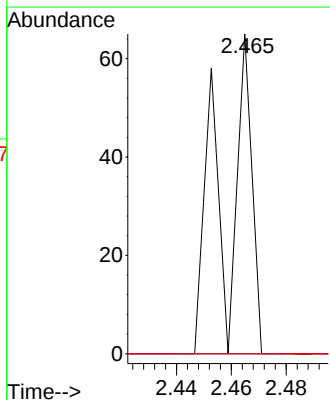
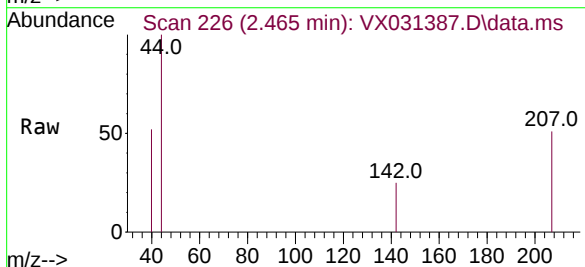
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-358-360

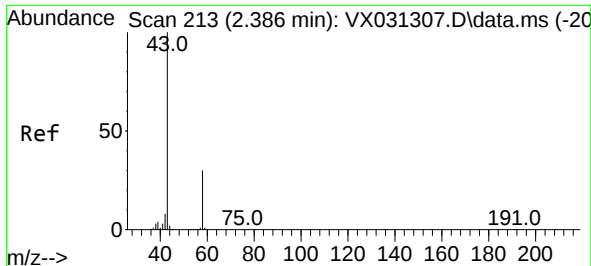
Tgt Ion: 94 Resp: 453  
Ion Ratio Lower Upper  
94 100  
96 27.2 74.4 111.6#



#10  
Methyl Iodide  
Concen: 0.940 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX031387.D  
Acq: 16 Sep 2022 05:25

Tgt Ion: 142 Resp: 45  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.4 56.0#  
141 0.0 11.6 17.4#

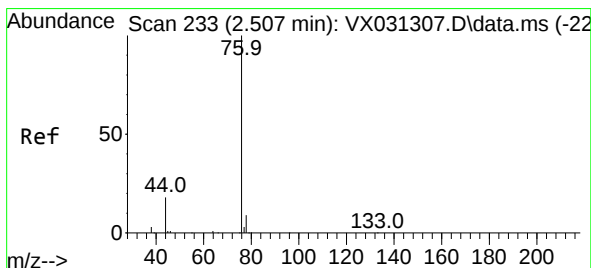
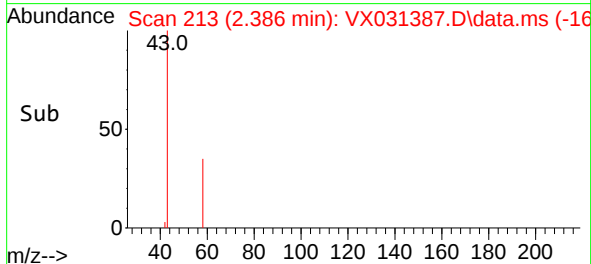
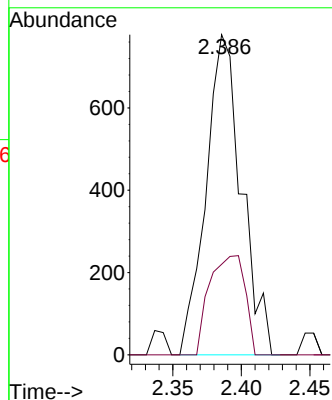
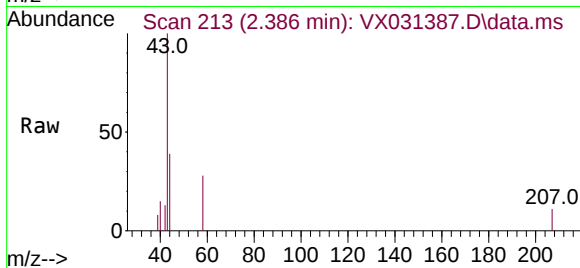




#16  
Acetone  
Concen: 1.524 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX031387.D  
Acq: 16 Sep 2022 05:25

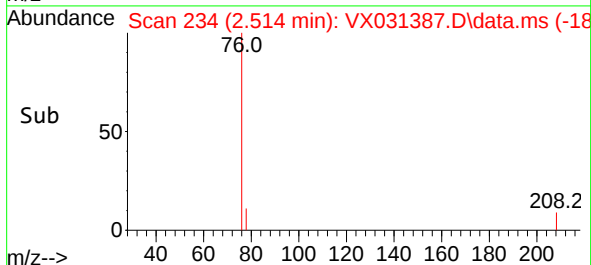
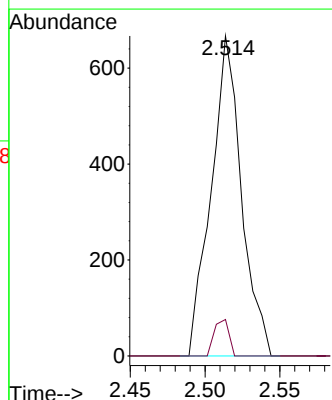
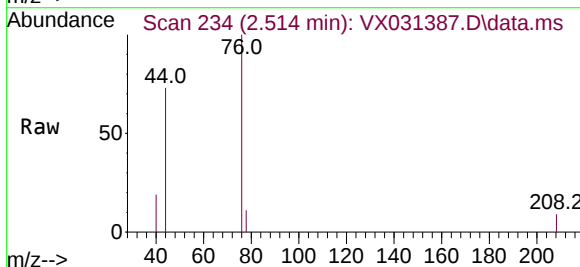
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-358-360

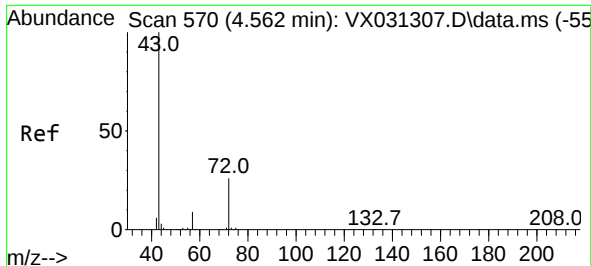
Tgt Ion: 43 Resp: 1406  
Ion Ratio Lower Upper  
43 100  
58 28.3 23.8 35.8



#17  
Carbon Disulfide  
Concen: 1.193 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.007 min  
Lab File: VX031387.D  
Acq: 16 Sep 2022 05:25

Tgt Ion: 76 Resp: 939  
Ion Ratio Lower Upper  
76 100  
78 11.4 7.2 10.8#

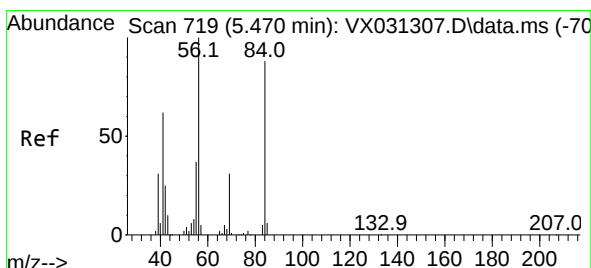
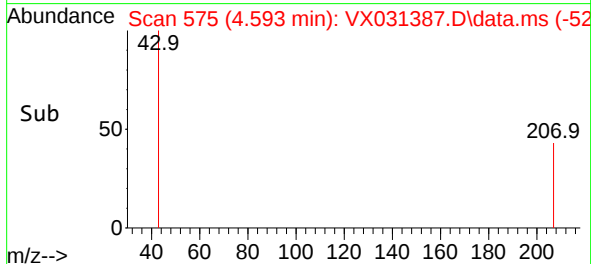
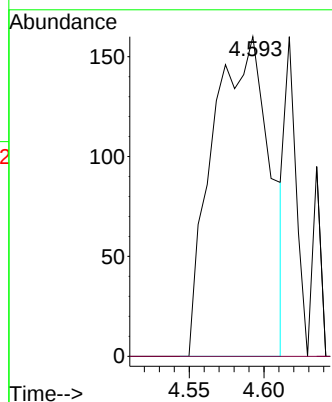
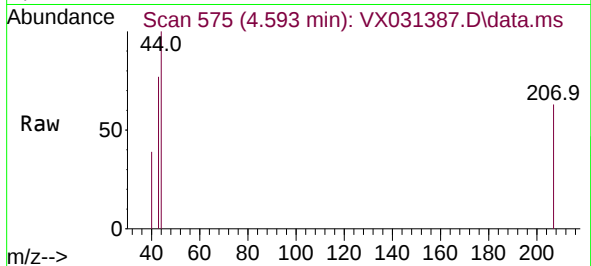




#25  
2-Butanone  
Concen: 0.279 ug/l  
RT: 4.593 min Scan# 51  
Delta R.T. 0.031 min  
Lab File: VX031387.D  
Acq: 16 Sep 2022 05:25

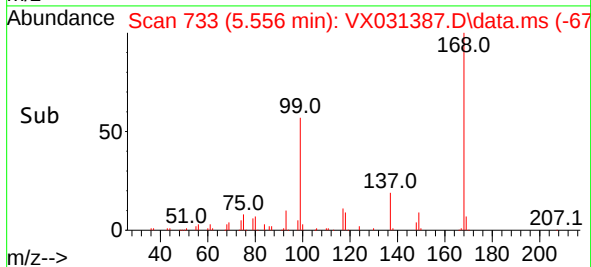
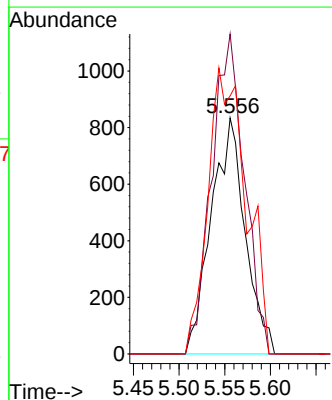
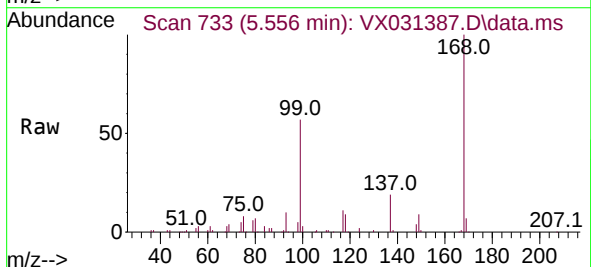
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-358-360

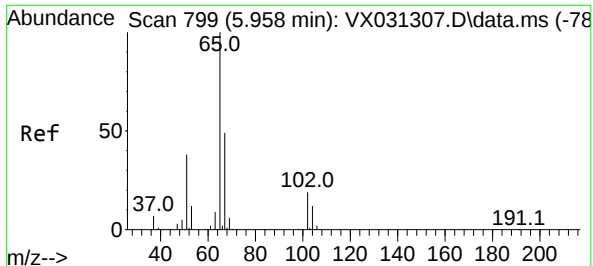
Tgt Ion: 43 Resp: 425  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.1 31.7#



#31  
Cyclohexane  
Concen: 0.927 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX031387.D  
Acq: 16 Sep 2022 05:25

Tgt Ion: 56 Resp: 2152  
Ion Ratio Lower Upper  
56 100  
69 135.6 25.1 37.7#  
84 109.4 70.2 105.4#

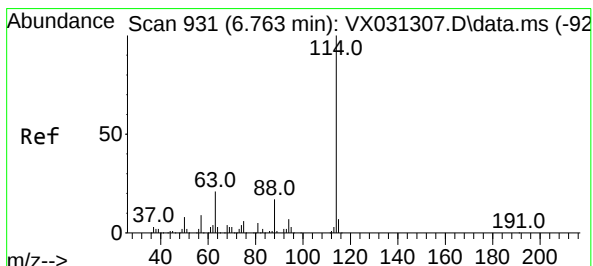
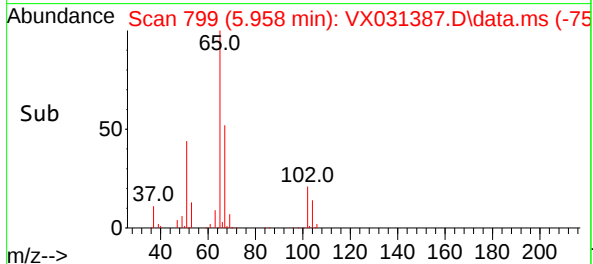
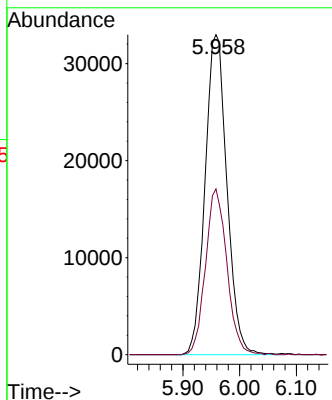
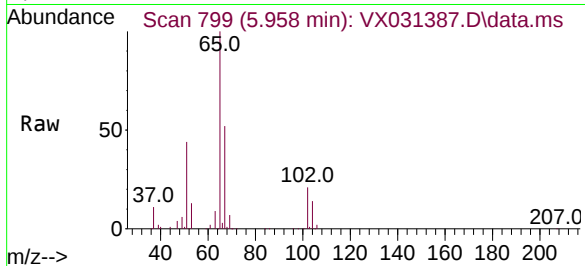




#33  
 1,2-Dichloroethane-d4  
 Concen: 40.817 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX031387.D  
 Acq: 16 Sep 2022 05:25

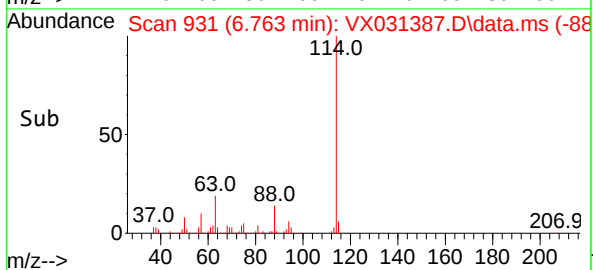
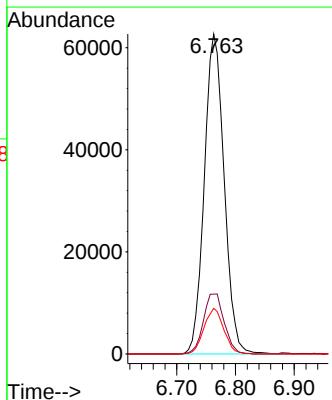
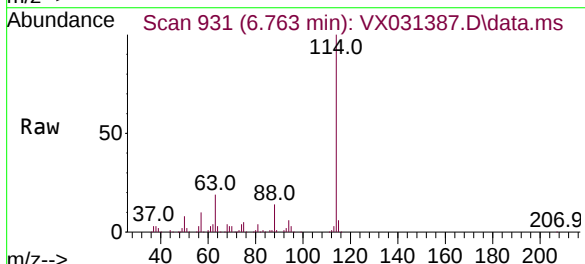
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 ClientSampleId :  
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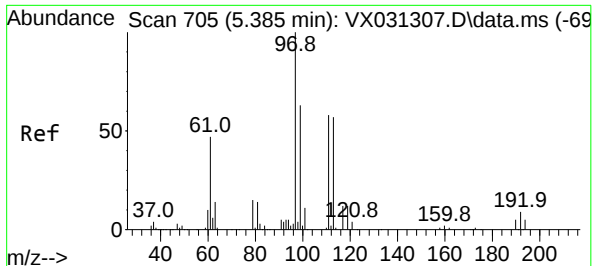
Tgt Ion: 65 Resp: 88193  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. 0.000 min  
 Lab File: VX031387.D  
 Acq: 16 Sep 2022 05:25

Tgt Ion: 114 Resp: 147358  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 42.6  
 88 14.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 46.070 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031387.D

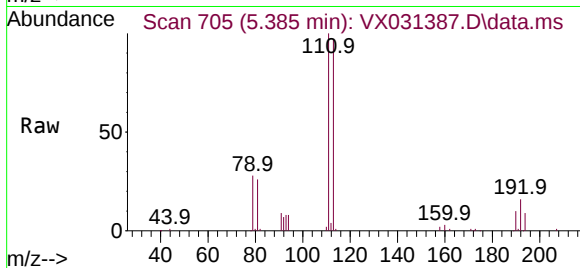
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Instrument :

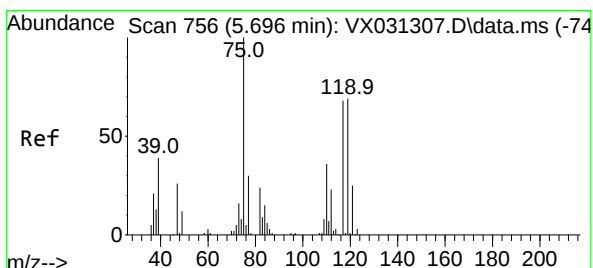
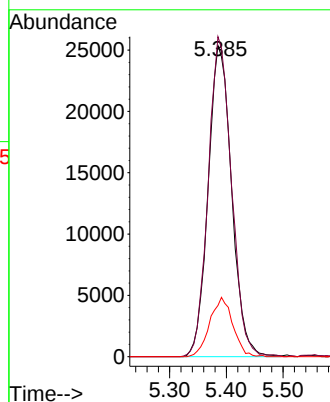
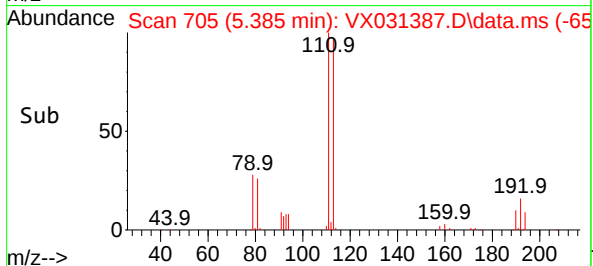
MSVOA\_X

ClientSampleId :

BP-VPB-RW5-GW-358-360



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 72975 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.0 | 82.4  | 123.6 |
| 192      | 18.7  | 14.1  | 21.1  |



#36

1,1-Dichloropropene

Concen: 3.279 ug/l

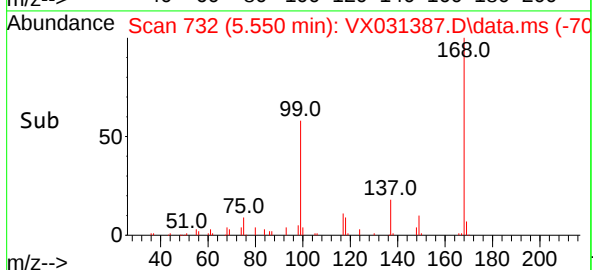
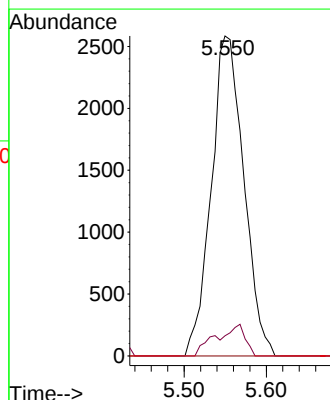
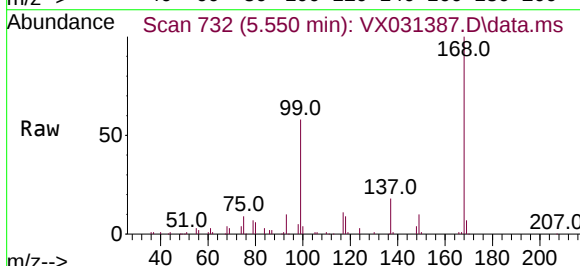
RT: 5.550 min Scan# 732

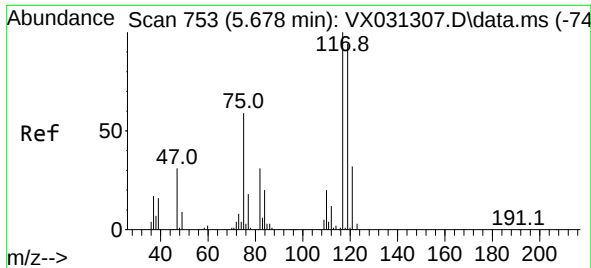
Delta R.T. -0.146 min

Lab File: VX031387.D

Acq: 16 Sep 2022 05:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 7109  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 3.3   | 17.5  | 52.5# |
| 77       | 0.0   | 24.9  | 37.3# |

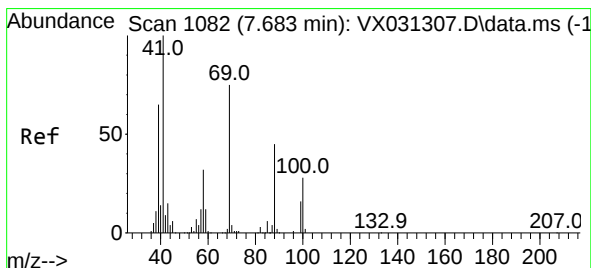
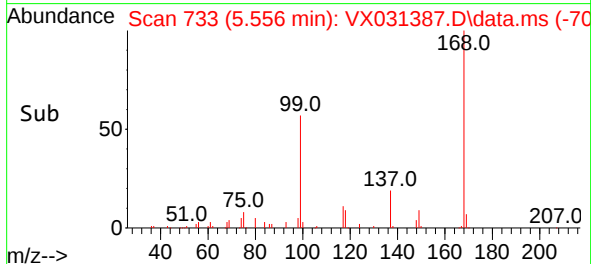
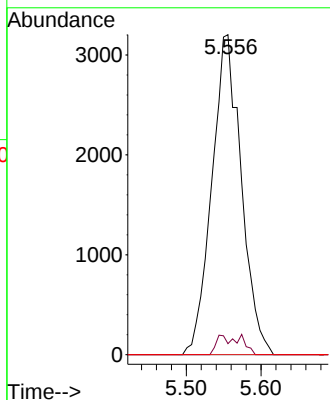
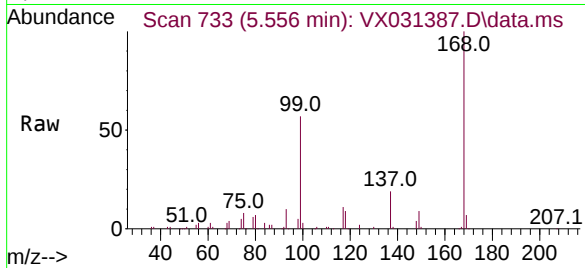




#38  
Carbon Tetrachloride  
Concen: 3.721 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.122 min  
Lab File: VX031387.D  
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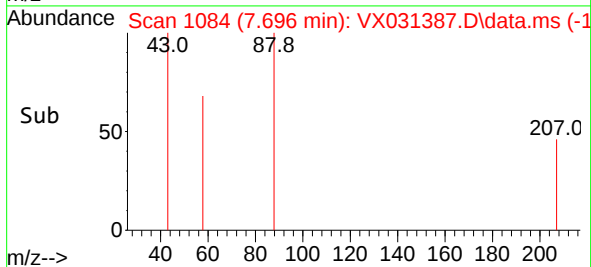
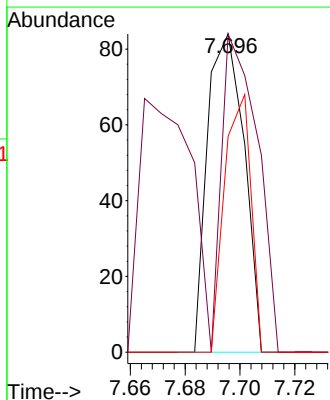
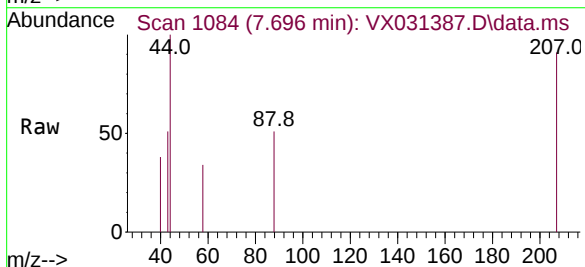
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-358-360

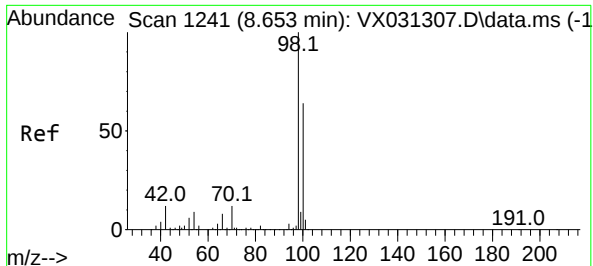
Tgt Ion:117 Resp: 8770  
Ion Ratio Lower Upper  
117 100  
119 3.4 74.6 112.0#  
121 0.0 25.3 37.9#



#49  
1,4-Dioxane  
Concen: 1.757 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.012 min  
Lab File: VX031387.D  
Acq: 16 Sep 2022 05:25

Tgt Ion: 88 Resp: 78  
Ion Ratio Lower Upper  
88 100  
43 97.4 27.1 40.7#  
58 59.0 53.9 80.9

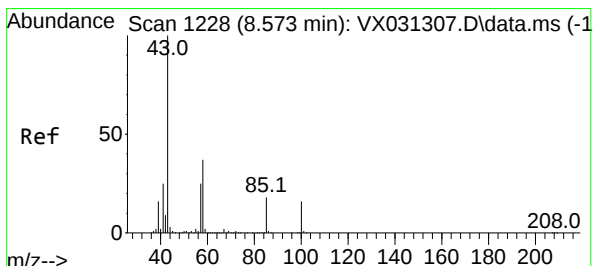
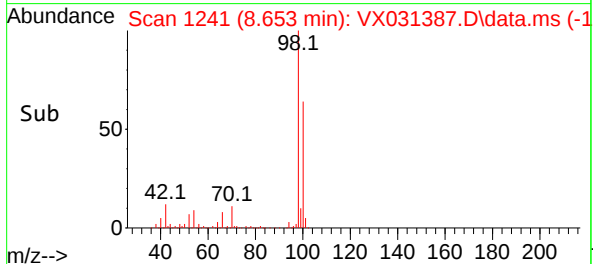
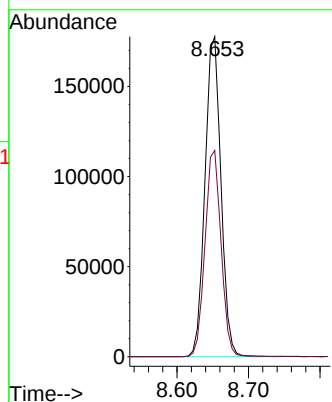
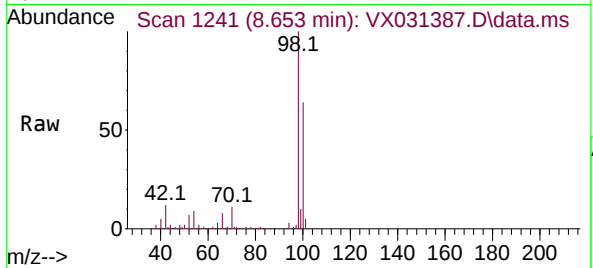




#50  
Toluene-d8  
Concen: 46.453 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX031387.D  
Acq: 16 Sep 2022 05:25

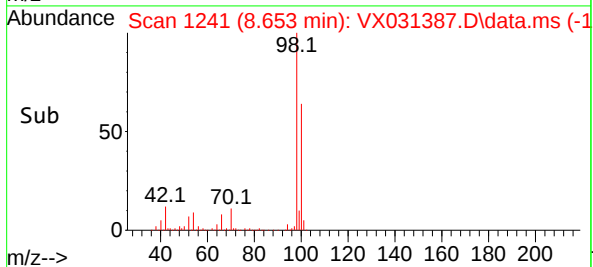
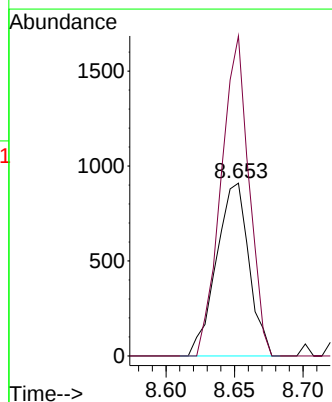
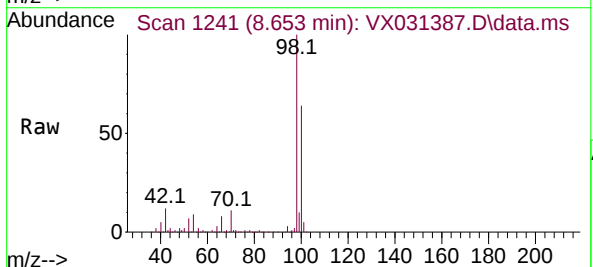
Instrument : MSVOA\_X  
ClientSampleId : BP-VPB-RW5-GW-358-360

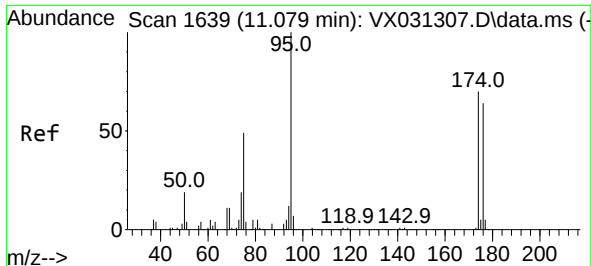
Tgt Ion: 98 Resp: 276014  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.5 78.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.509 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.079 min  
Lab File: VX031387.D  
Acq: 16 Sep 2022 05:25

Tgt Ion: 43 Resp: 1504  
Ion Ratio Lower Upper  
43 100  
58 158.6 30.6 46.0#

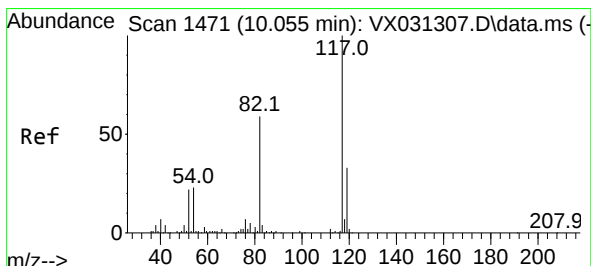
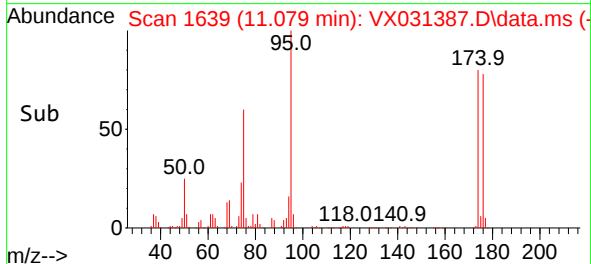
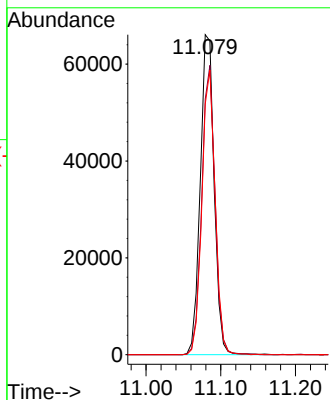
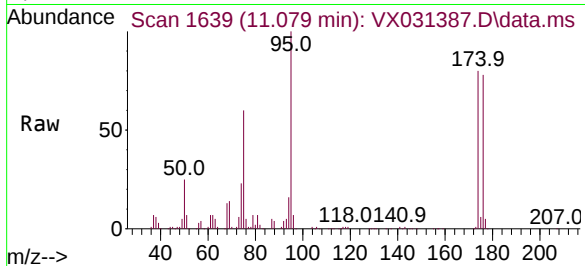




#62  
4-Bromofluorobenzene  
Concen: 39.166 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX031387.D  
Acq: 16 Sep 2022 05:25

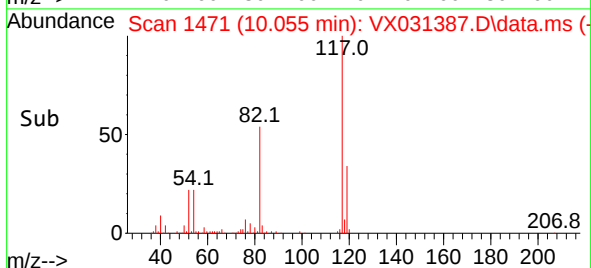
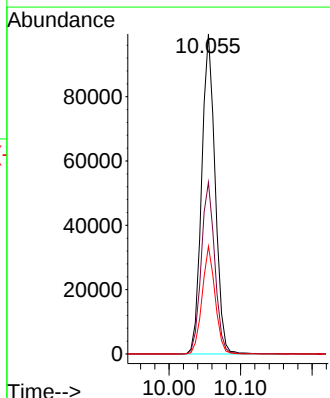
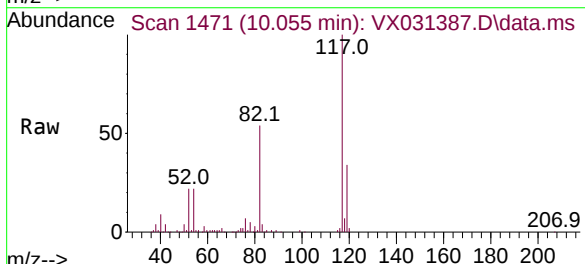
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-358-360

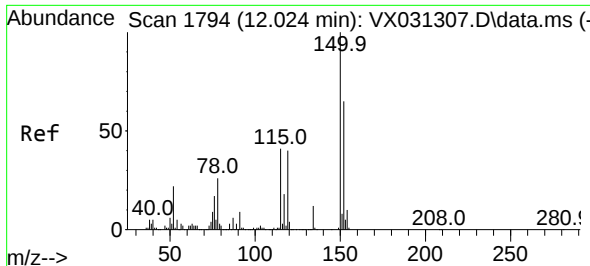
Tgt Ion: 95 Resp: 85218  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 153.2  
176 84.9 0.0 144.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX031387.D  
Acq: 16 Sep 2022 05:25

Tgt Ion: 117 Resp: 129985  
Ion Ratio Lower Upper  
117 100  
82 53.6 46.8 70.2  
119 33.6 26.4 39.6

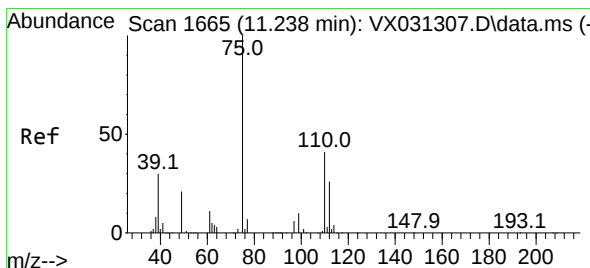
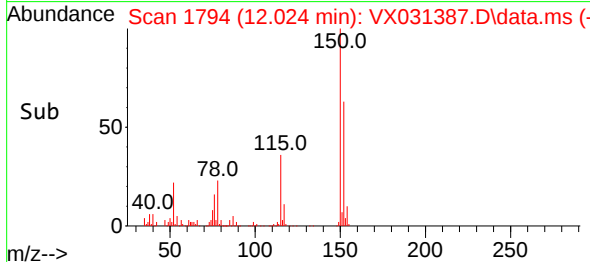
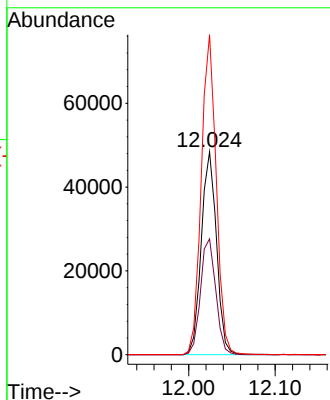
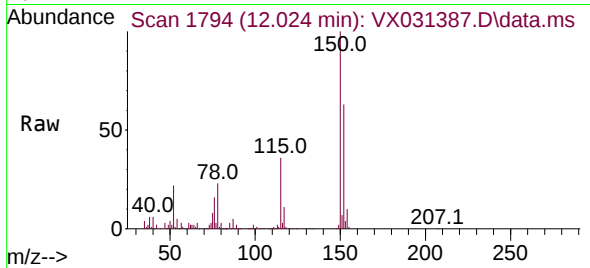




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX031387.D  
 Acq: 16 Sep 2022 05:25

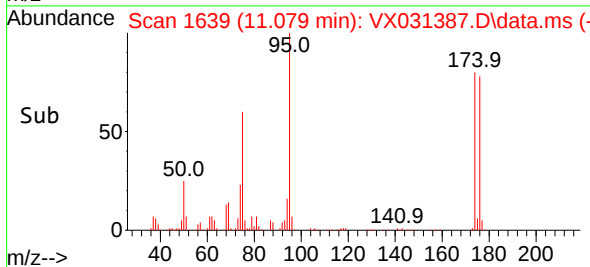
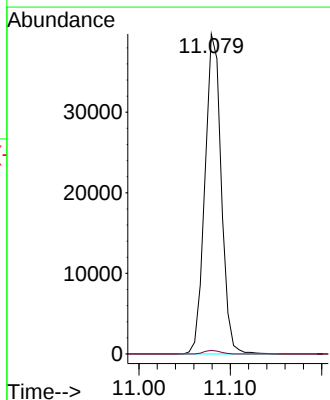
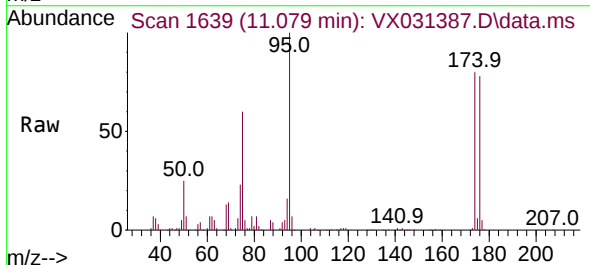
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW5-GW-358-360

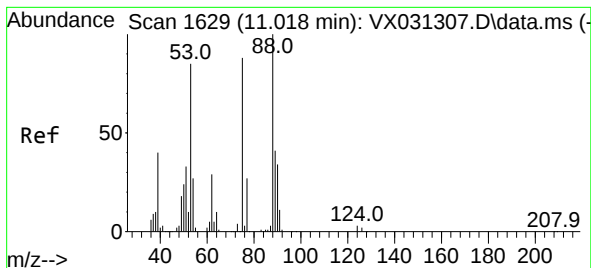
Tgt Ion:152 Resp: 59171  
 Ion Ratio Lower Upper  
 152 100  
 115 57.4 43.4 130.1  
 150 155.0 0.0 346.8



#76  
 1,2,3-Trichloropropane  
 Concen: 33.101 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX031387.D  
 Acq: 16 Sep 2022 05:25

Tgt Ion: 75 Resp: 49358  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 20.3 60.9#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 91.592 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. 0.061 min  
 Lab File: VX031387.D  
 Acq: 16 Sep 2022 05:25

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW5-GW-358-360

Tgt Ion: 75 Resp: 49358  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.6 116.4#  
 89 0.1 37.4 56.0#

