

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052522\  
 Data File : VX028951.D  
 Acq On : 25 May 2022 15:27  
 Operator : JC/MD  
 Sample : N3030-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BRP-3-20220524

Quant Time: May 26 05:45:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

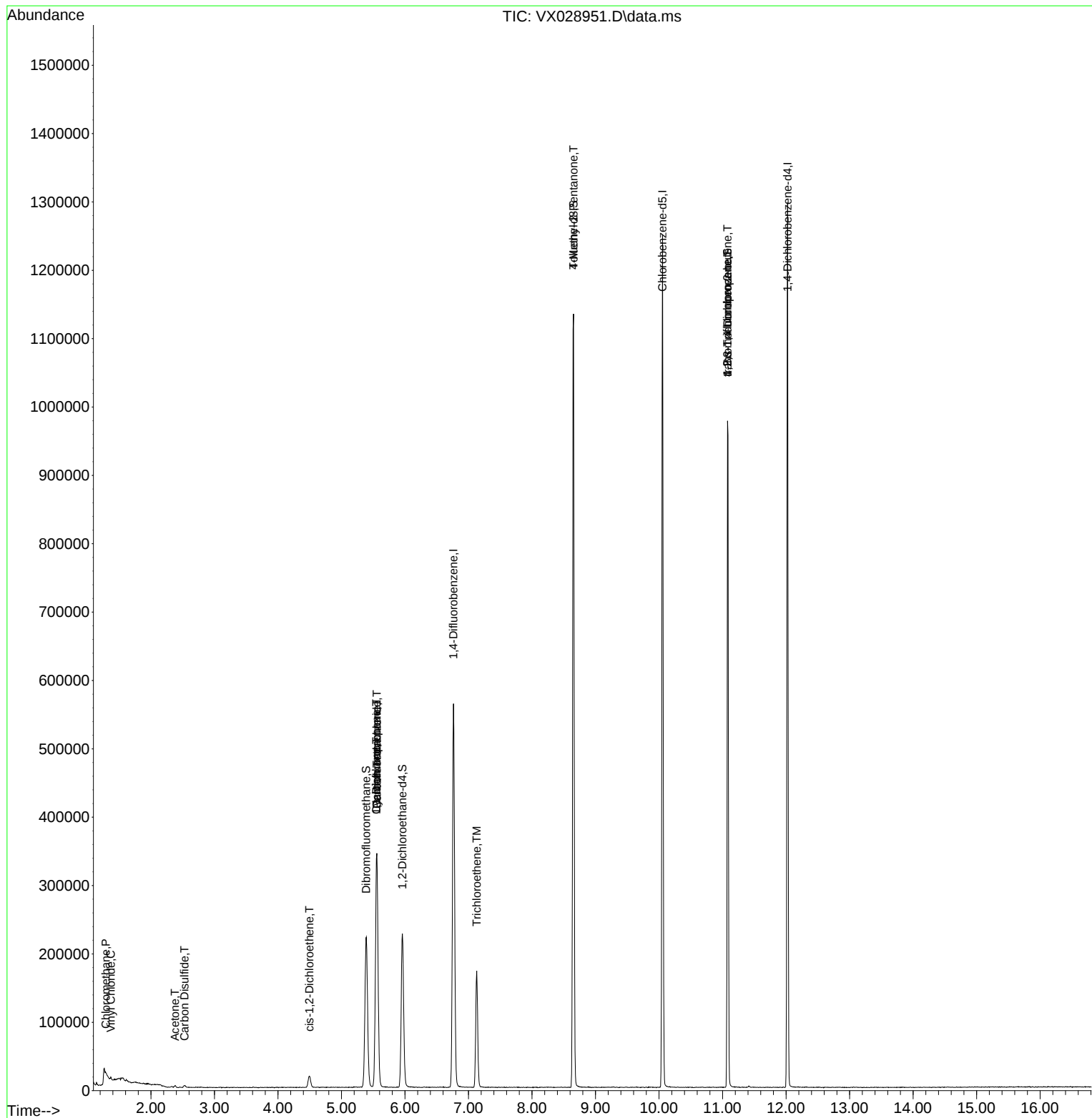
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 324623   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 580161   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 564611   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 266998   | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 223378   | 50.199    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | = 100.400% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 194448   | 51.155    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | = 102.320% |          |
| 50) Toluene-d8                | 8.653  | 98    | 695052   | 48.500    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | = 97.000%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 273256   | 51.050    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | = 102.100% |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 1.288  | 50    | 1152     | 0.288     | ug/l       | 94       |
| 4) Vinyl Chloride             | 1.368  | 62    | 1371     | 0.318     | ug/l #     | 32       |
| 5) Bromomethane               | 1.618  | 94    | 1282     | Below Cal | #          | 78       |
| 6) Chloroethane               | 1.733  | 64    | 516      | Below Cal | #          | 46       |
| 11) Tert butyl alcohol        | 2.959  | 59    | 61       | Below Cal | #          | 72       |
| 16) Acetone                   | 2.380  | 43    | 2687     | 1.407     | ug/l       | 96       |
| 17) Carbon Disulfide          | 2.526  | 76    | 3841     | 0.441     | ug/l #     | 85       |
| 27) cis-1,2-Dichloroethene    | 4.495  | 96    | 11232    | 2.541     | ug/l       | 93       |
| 31) Cyclohexane               | 5.550  | 56    | 6176     | 1.000     | ug/l #     | 4        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 24869    | 4.356     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 34403    | 5.988     | ug/l #     | 16       |
| 44) Trichloroethene           | 7.129  | 130   | 67809    | 15.238    | ug/l       | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 2590     | 0.421     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 138173   | 22.098    | ug/l #     | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 138173   | 64.690    | ug/l #     | 15       |
| -----                         |        |       |          |           |            |          |

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

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Sample : N3030-03  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Quant Time: May 26 05:45:00 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 12 14:58:53 2022  
Response via : Initial Calibration

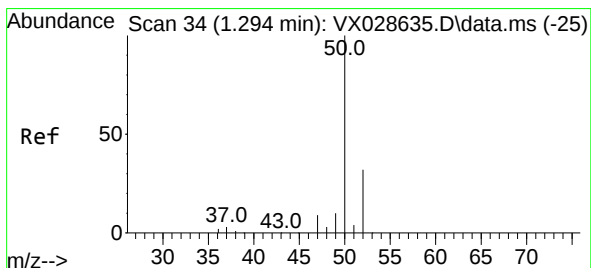
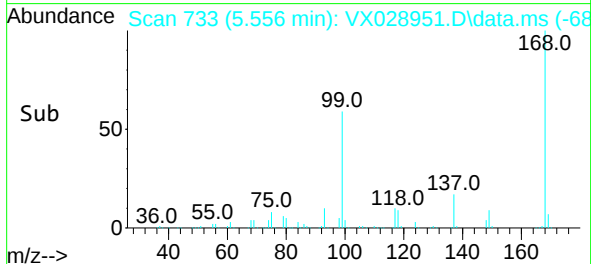
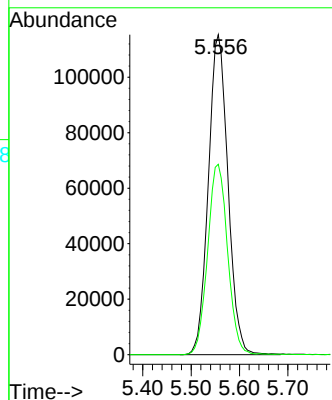
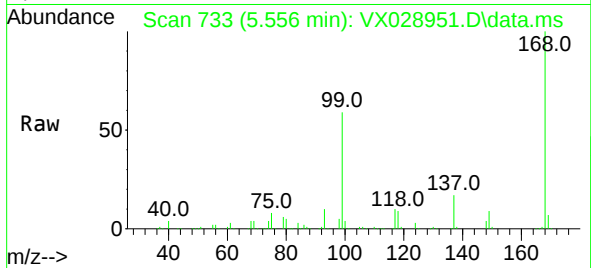




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

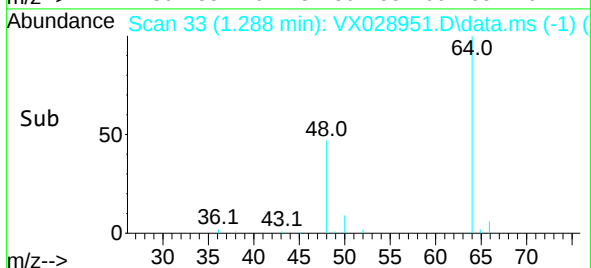
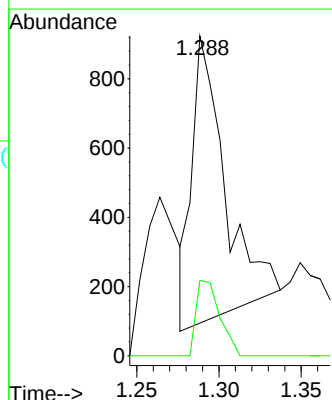
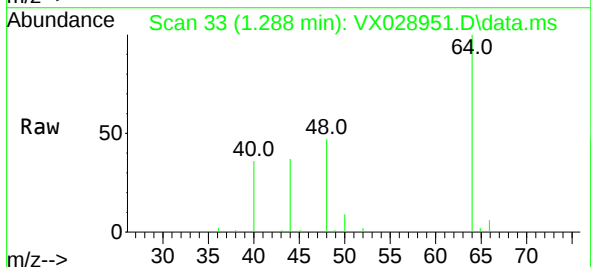
Instrument :  
MSVOA\_X  
ClientSampleId :  
BRP-3-20220524

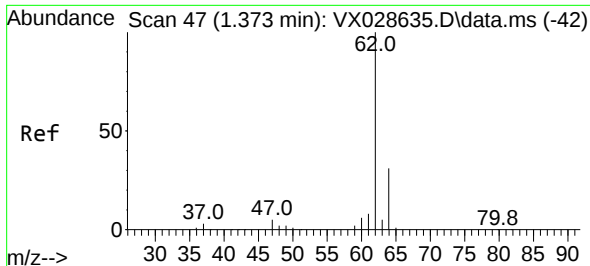
Tgt Ion:168 Resp: 324623  
Ion Ratio Lower Upper  
168 100  
99 59.5 41.7 62.5



#3  
Chloromethane  
Concen: 0.288 ug/l  
RT: 1.288 min Scan# 33  
Delta R.T. -0.006 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

Tgt Ion: 50 Resp: 1152  
Ion Ratio Lower Upper  
50 100  
52 29.7 26.4 39.6

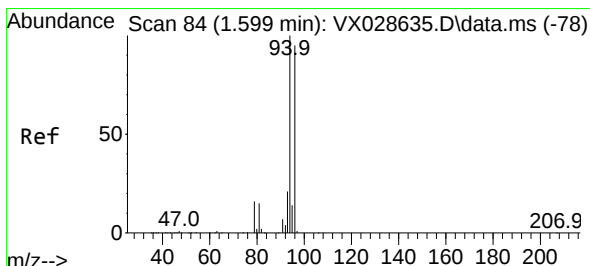
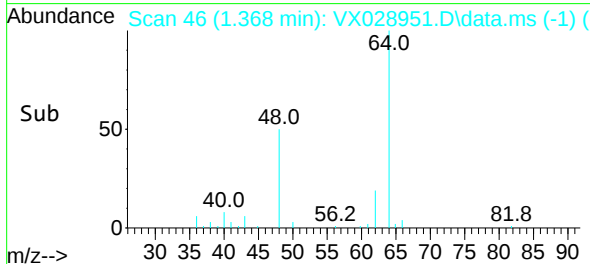
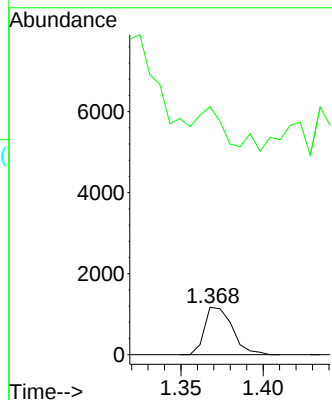
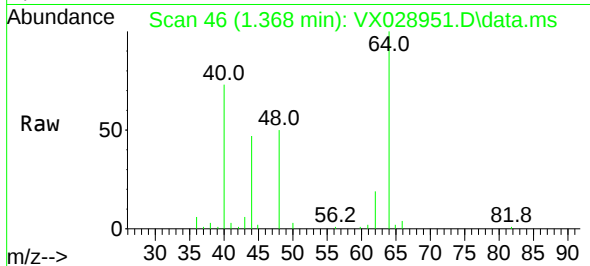




#4  
 Vinyl Chloride  
 Concen: 0.318 ug/l  
 RT: 1.368 min Scan# 41  
 Delta R.T. -0.005 min  
 Lab File: VX028951.D  
 Acq: 25 May 2022 15:27

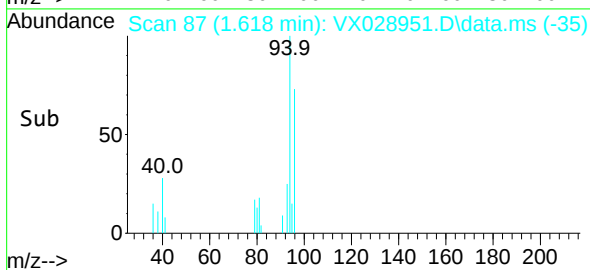
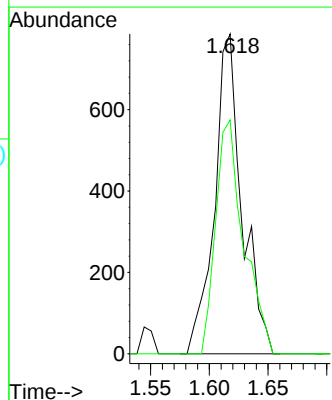
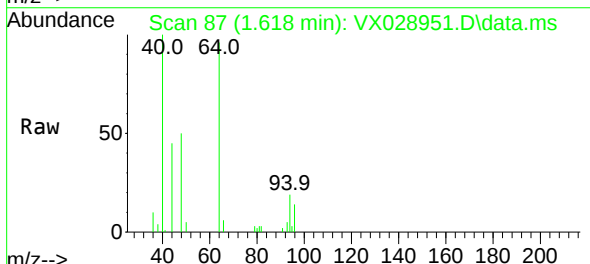
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BRP-3-20220524

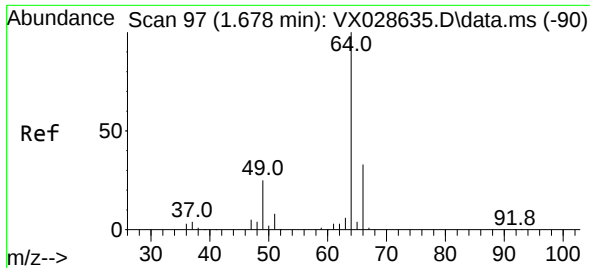
Tgt Ion: 62 Resp: 1371  
 Ion Ratio Lower Upper  
 62 100  
 64 69.7 25.5 38.3#



#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 1.618 min Scan# 87  
 Delta R.T. 0.019 min  
 Lab File: VX028951.D  
 Acq: 25 May 2022 15:27

Tgt Ion: 94 Resp: 1282  
 Ion Ratio Lower Upper  
 94 100  
 96 73.2 75.3 112.9#

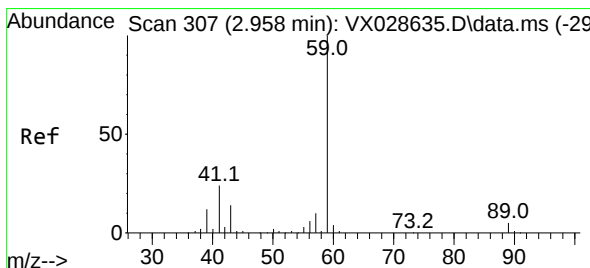
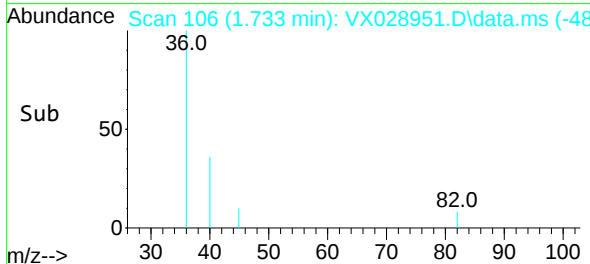
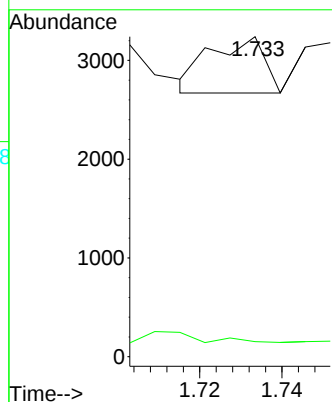
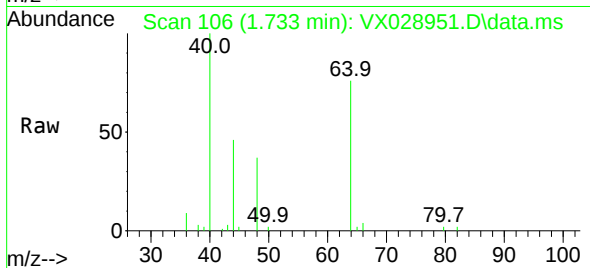




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.733 min Scan# 106  
Delta R.T. 0.055 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

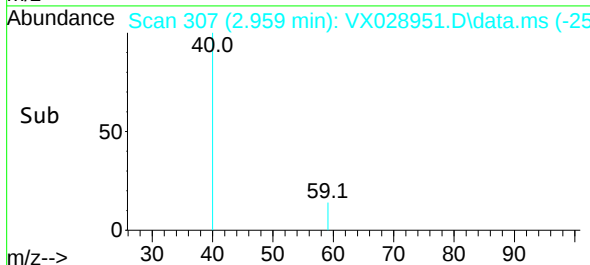
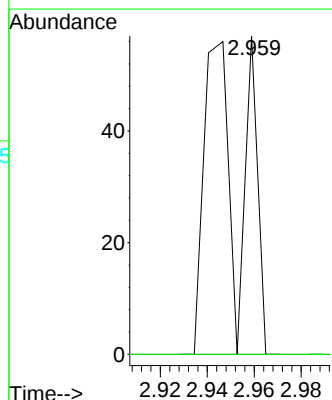
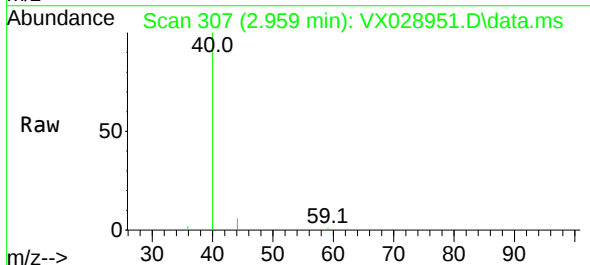
Instrument :  
MSVOA\_X  
ClientSampleId :  
BRP-3-20220524

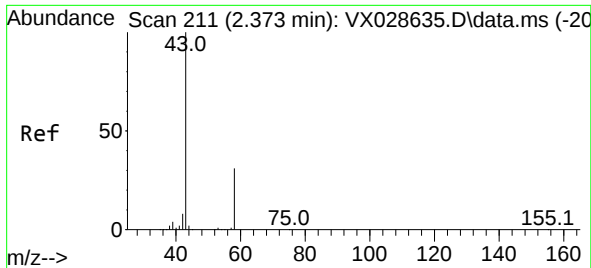
Tgt Ion: 64 Resp: 516  
Ion Ratio Lower Upper  
64 100  
66 1.4 25.3 37.9#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.959 min Scan# 307  
Delta R.T. 0.001 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

Tgt Ion: 59 Resp: 61  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.407 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.007 min

Lab File: VX028951.D

Acq: 25 May 2022 15:27

Instrument :

MSVOA\_X

ClientSampleId :

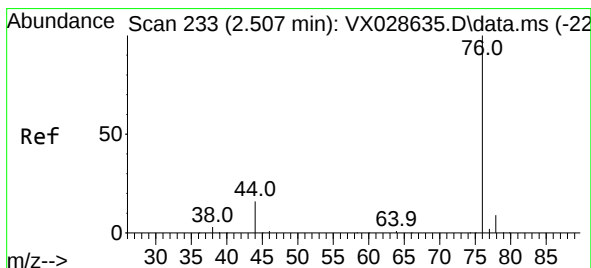
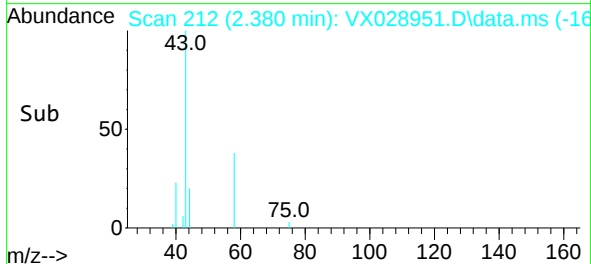
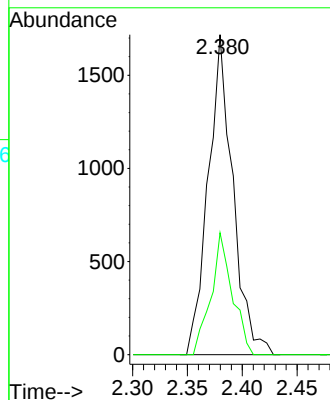
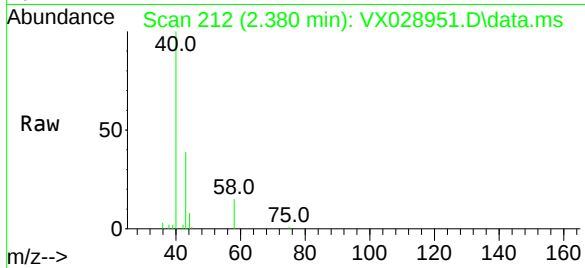
BRP-3-20220524

Tgt Ion: 43 Resp: 2687

Ion Ratio Lower Upper

43 100

58 38.1 28.8 43.2



#17

Carbon Disulfide

Concen: 0.441 ug/l

RT: 2.526 min Scan# 236

Delta R.T. 0.019 min

Lab File: VX028951.D

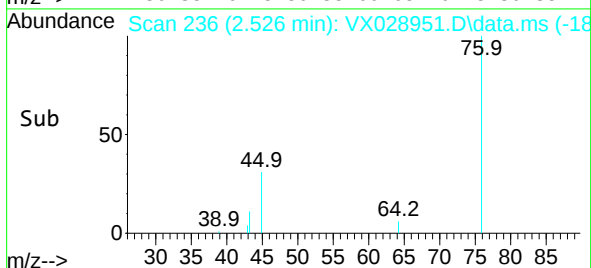
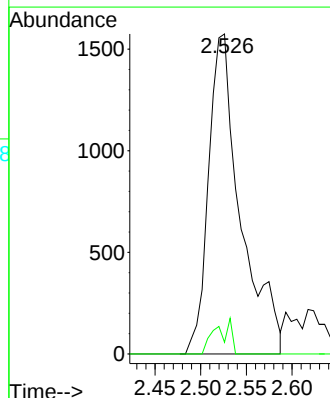
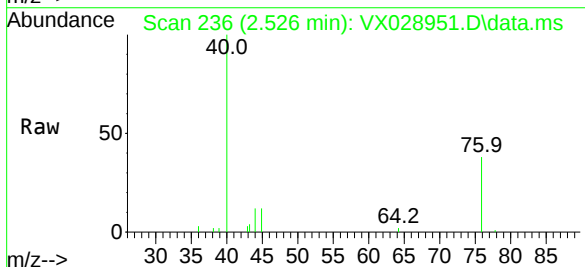
Acq: 25 May 2022 15:27

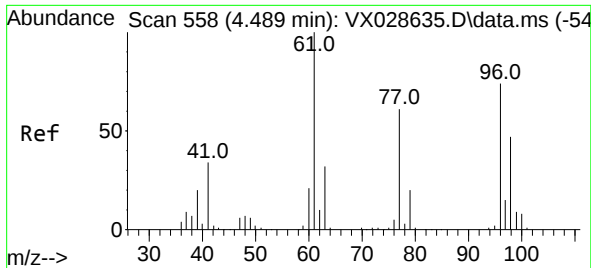
Tgt Ion: 76 Resp: 3841

Ion Ratio Lower Upper

76 100

78 3.7 7.2 10.8#

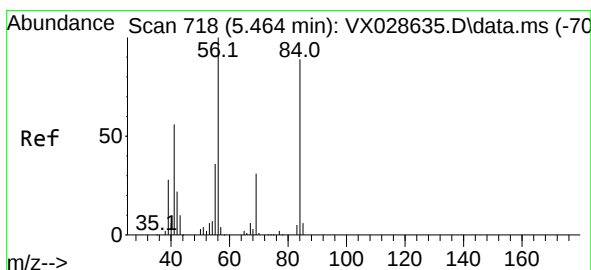
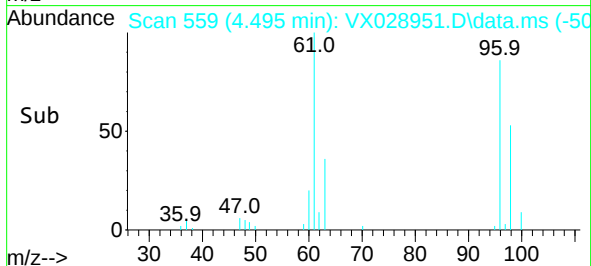
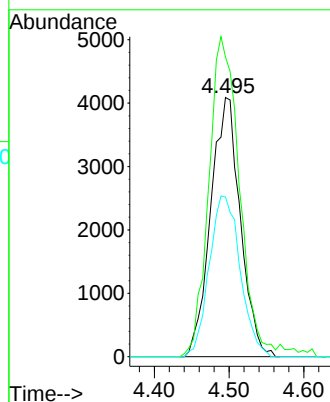
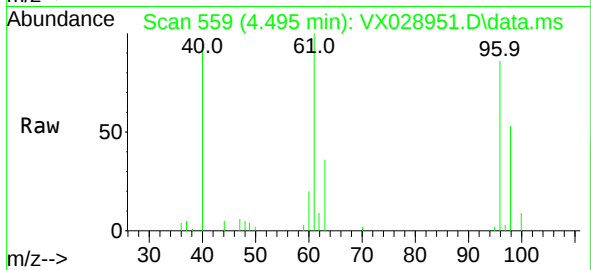




#27  
 cis-1,2-Dichloroethene  
 Concen: 2.541 ug/l  
 RT: 4.495 min Scan# 511  
 Delta R.T. 0.006 min  
 Lab File: VX028951.D  
 Acq: 25 May 2022 15:27

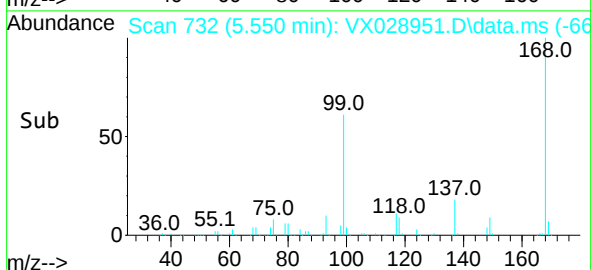
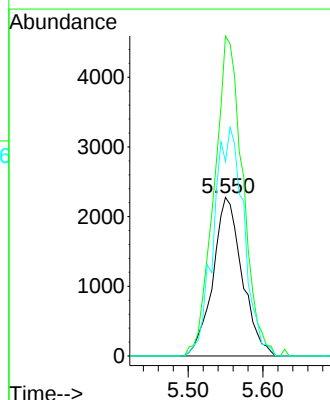
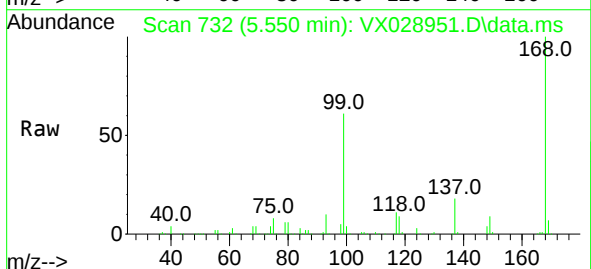
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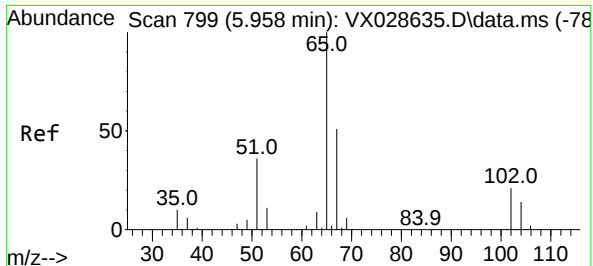
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 11232 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 130.2    | 0.0 283.8   |
| 98 64.9     | 0.0 129.8   |



#31  
 Cyclohexane  
 Concen: 1.000 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. 0.086 min  
 Lab File: VX028951.D  
 Acq: 25 May 2022 15:27

|             |            |       |        |
|-------------|------------|-------|--------|
| Tgt Ion: 56 | Resp: 6176 |       |        |
| Ion Ratio   | Lower      | Upper |        |
| 56          | 100        |       |        |
| 69          | 201.9      | 26.7  | 40.1#  |
| 84          | 122.8      | 77.2  | 115.8# |

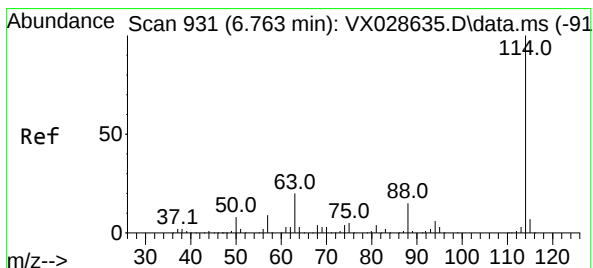
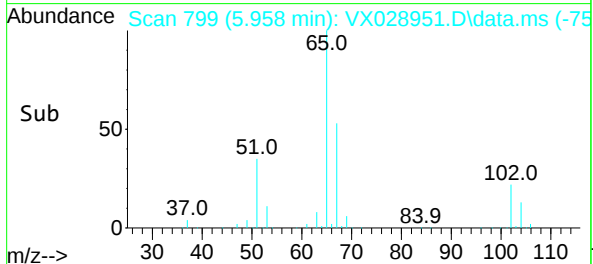
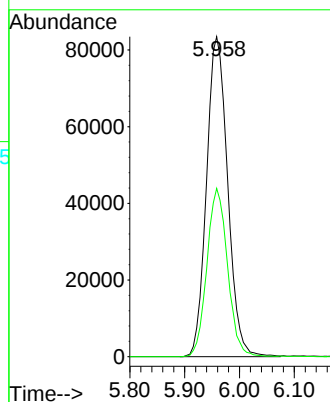
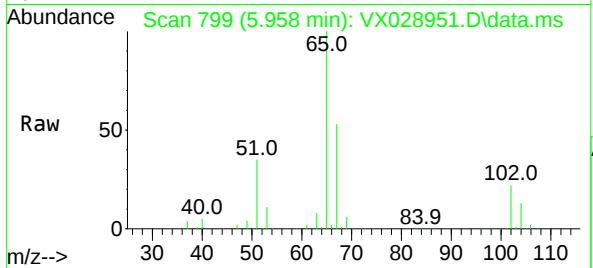




#33  
1,2-Dichloroethane-d4  
Concen: 50.199 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

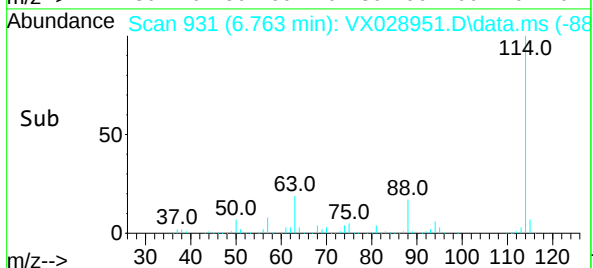
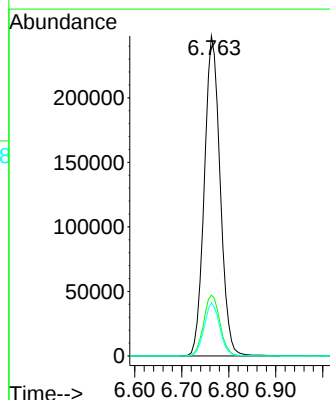
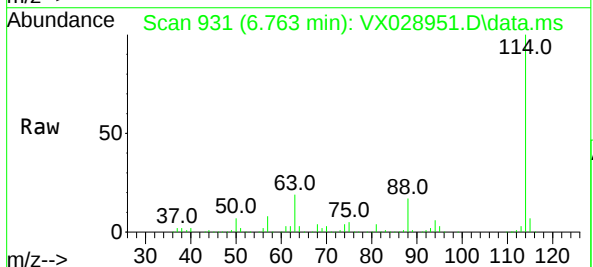
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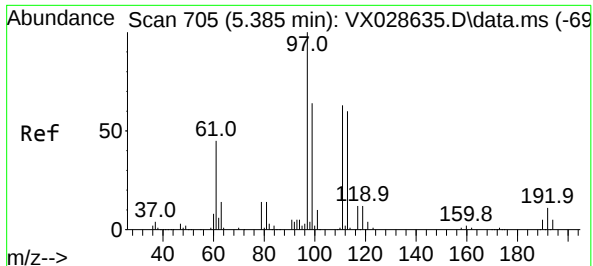
Tgt Ion: 65 Resp: 223378  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 107.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

Tgt Ion: 114 Resp: 580161  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 36.8  
88 16.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.155 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028951.D

Acq: 25 May 2022 15:27

Instrument :

MSVOA\_X

ClientSampleId :

BRP-3-20220524

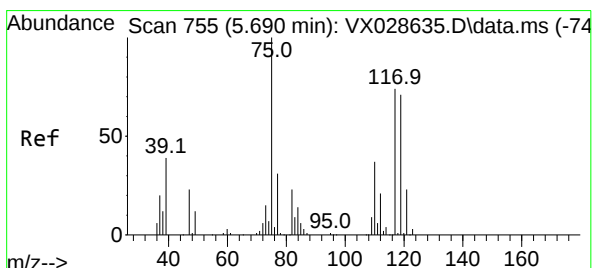
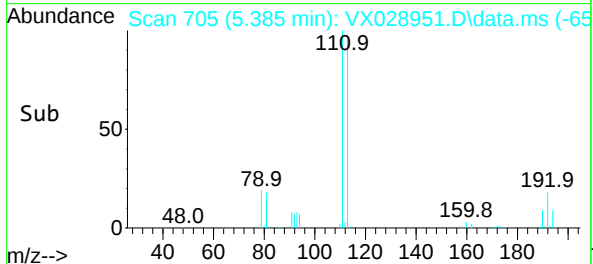
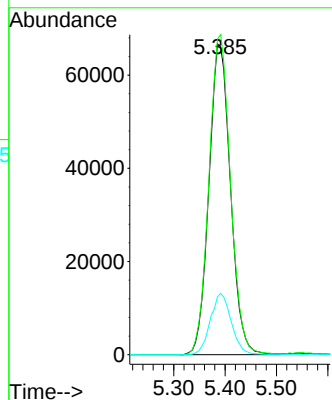
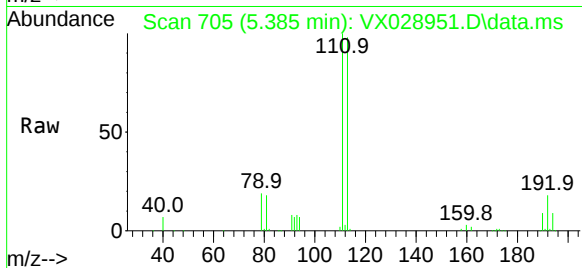
Tgt Ion:113 Resp: 194448

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 19.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.356 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX028951.D

Acq: 25 May 2022 15:27

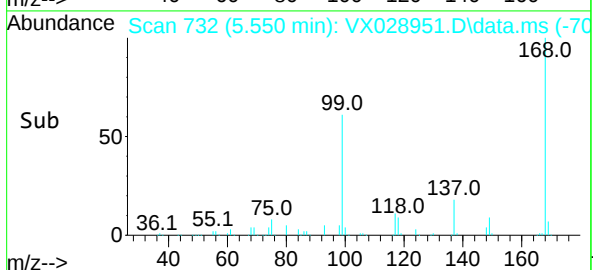
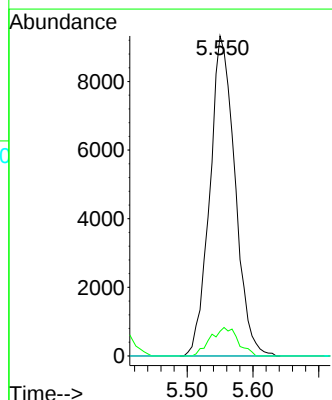
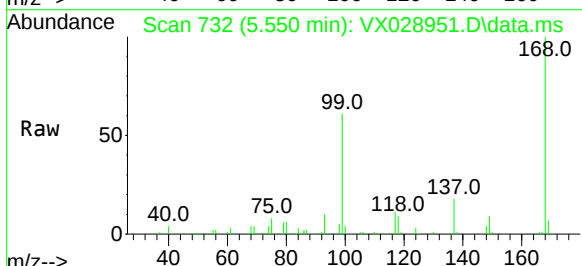
Tgt Ion: 75 Resp: 24869

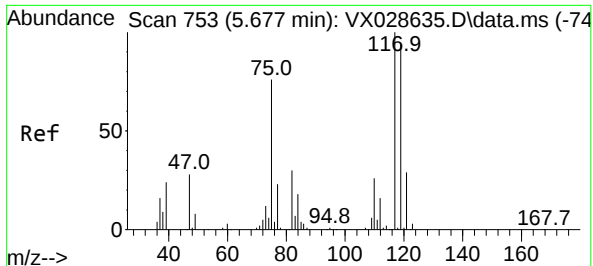
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

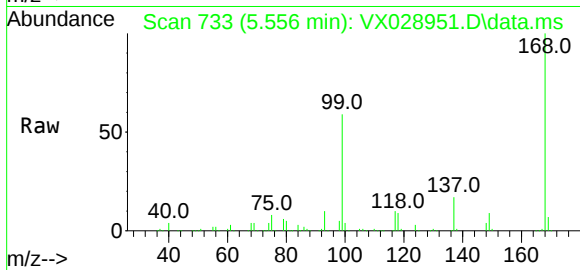
77 0.0 24.8 37.2#



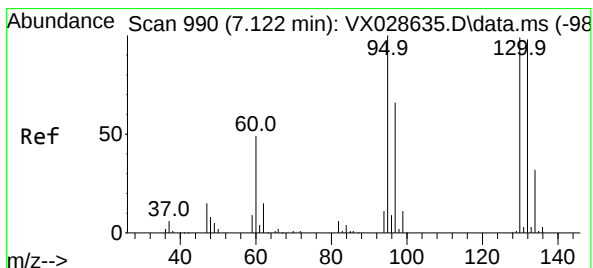
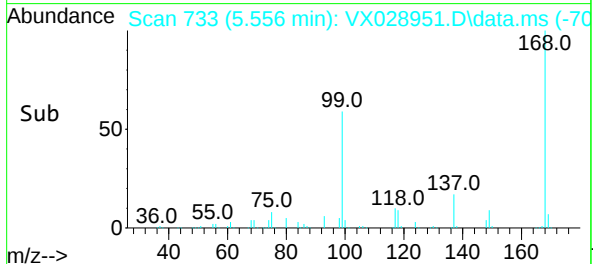
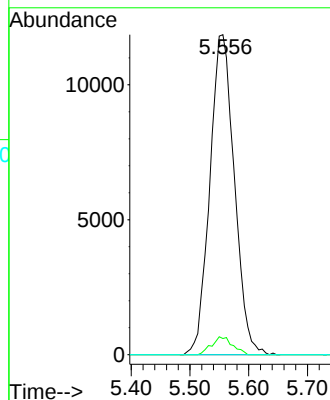


#38  
Carbon Tetrachloride  
Concen: 5.988 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.121 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
BRP-3-20220524

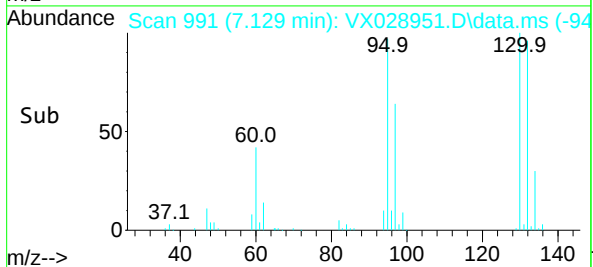
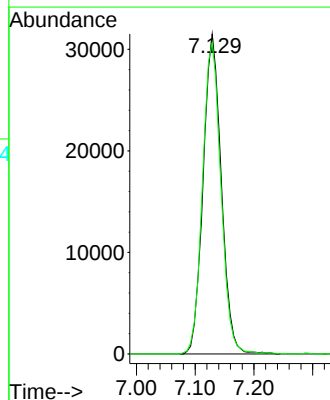
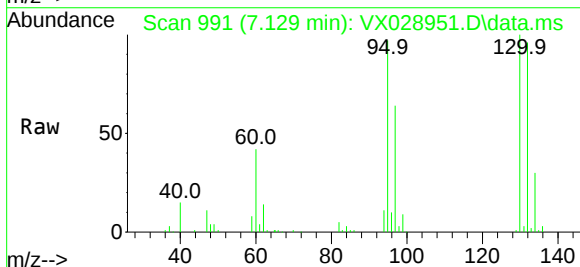


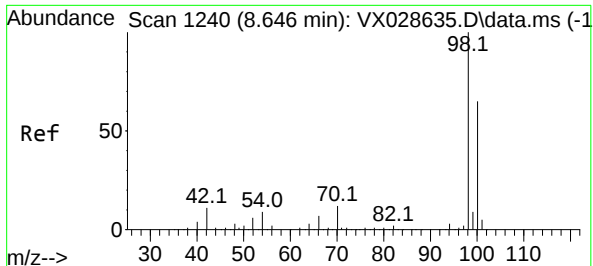
Tgt Ion:117 Resp: 34403  
Ion Ratio Lower Upper  
117 100  
119 5.1 77.3 115.9#  
121 0.0 24.2 36.2#



#44  
Trichloroethene  
Concen: 15.238 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.007 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

Tgt Ion:130 Resp: 67809  
Ion Ratio Lower Upper  
130 100  
95 97.3 0.0 188.8





#50

Toluene-d8

Concen: 48.500 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028951.D

Acq: 25 May 2022 15:27

Instrument :

MSVOA\_X

ClientSampleId :

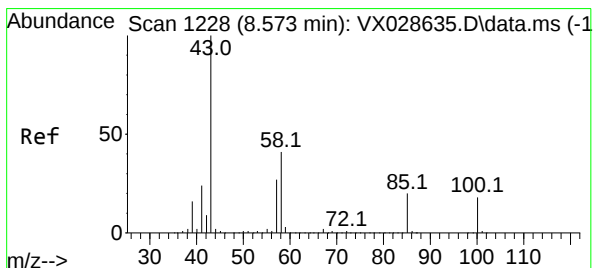
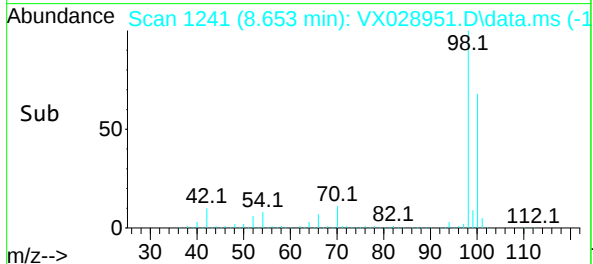
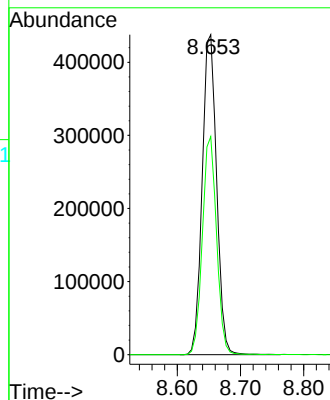
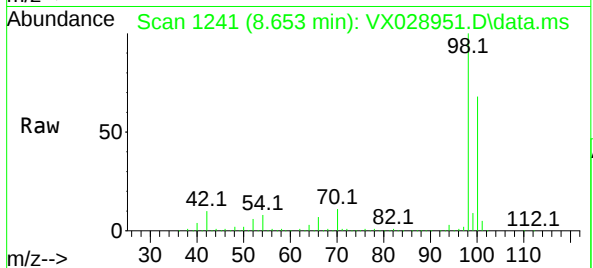
BRP-3-20220524

Tgt Ion: 98 Resp: 695052

Ion Ratio Lower Upper

98 100

100 67.0 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.421 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.080 min

Lab File: VX028951.D

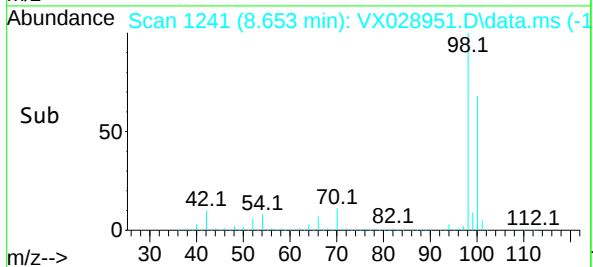
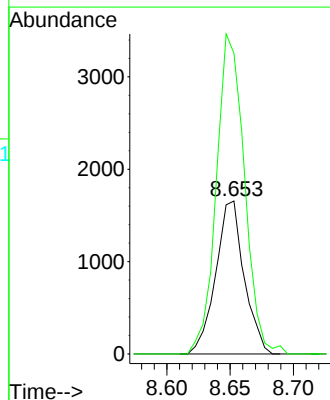
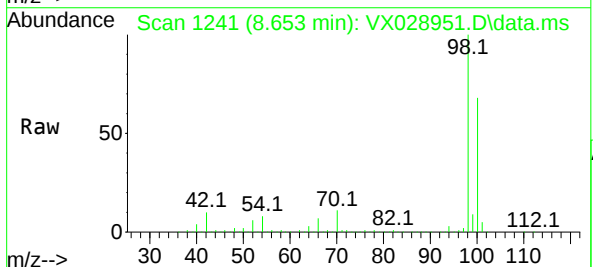
Acq: 25 May 2022 15:27

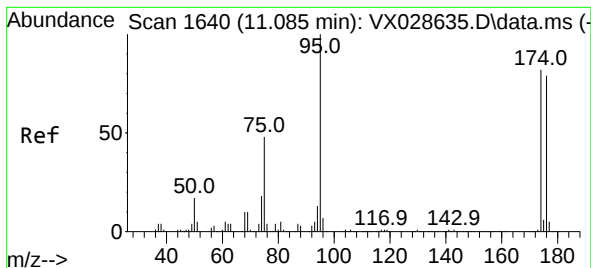
Tgt Ion: 43 Resp: 2590

Ion Ratio Lower Upper

43 100

58 206.5 36.1 54.1#

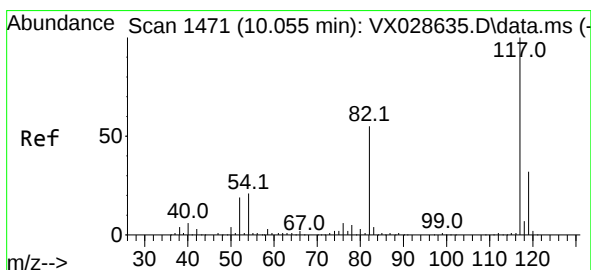
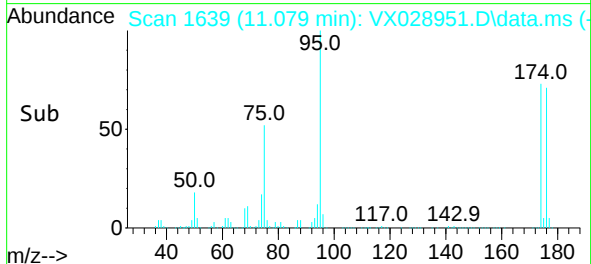
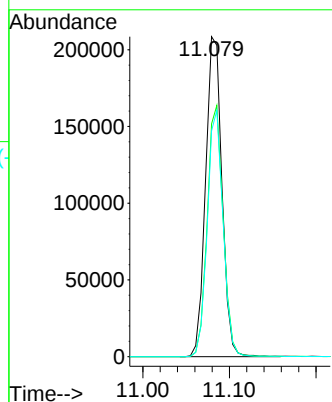
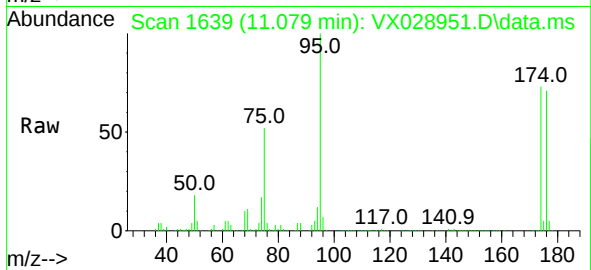




#62  
4-Bromofluorobenzene  
Concen: 51.050 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

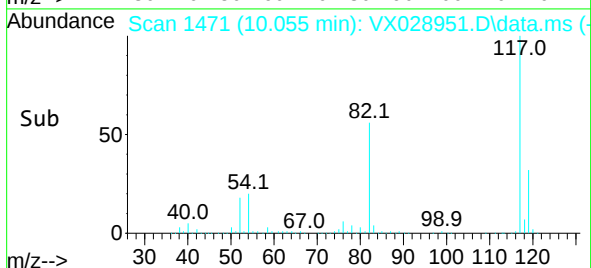
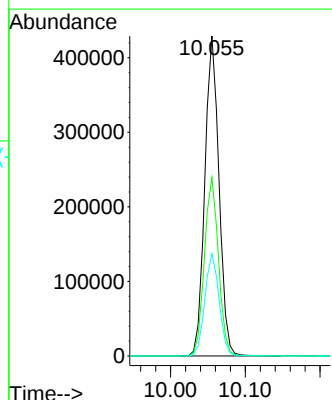
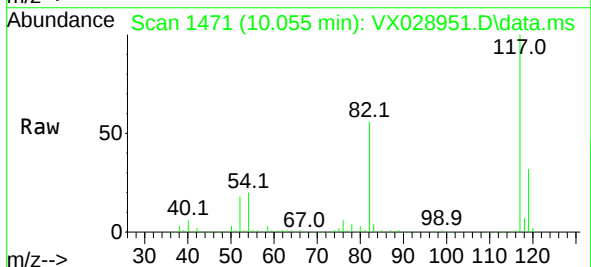
Instrument :  
MSVOA\_X  
ClientSampleId :  
BRP-3-20220524

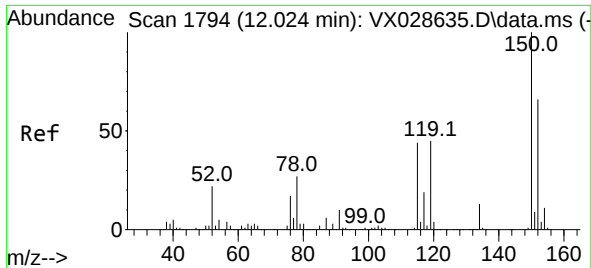
Tgt Ion: 95 Resp: 273256  
Ion Ratio Lower Upper  
95 100  
174 76.6 0.0 163.0  
176 74.4 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

Tgt Ion: 117 Resp: 564611  
Ion Ratio Lower Upper  
117 100  
82 55.7 41.8 62.8  
119 32.0 24.8 37.2

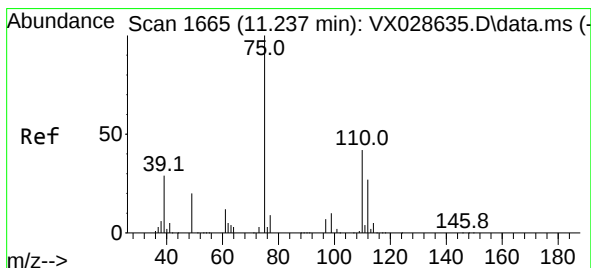
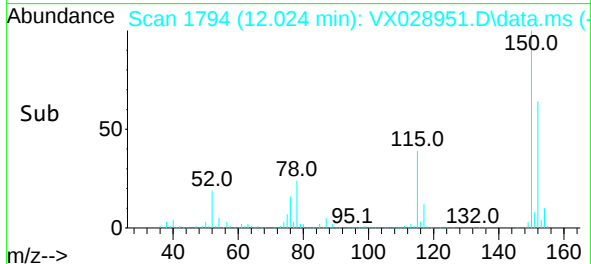
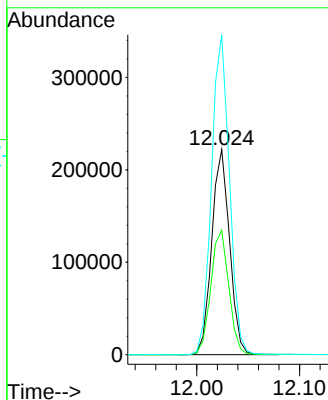
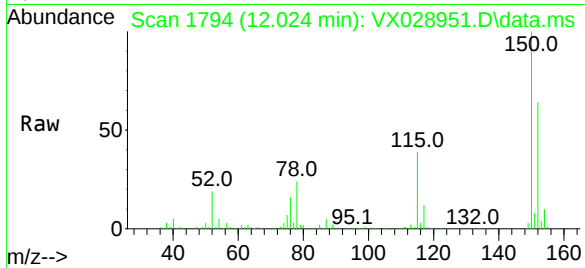




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

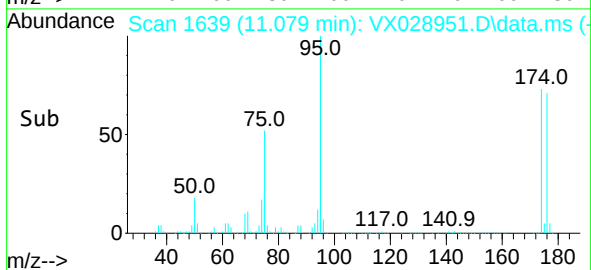
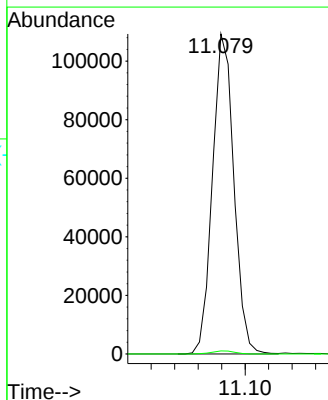
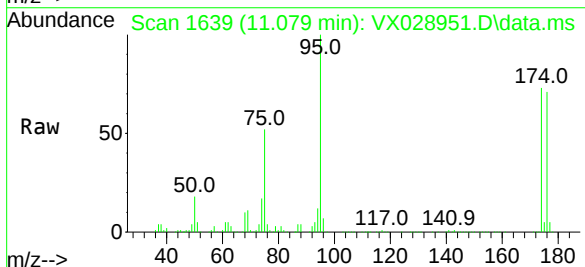
Instrument :  
MSVOA\_X  
ClientSampleId :  
BRP-3-20220524

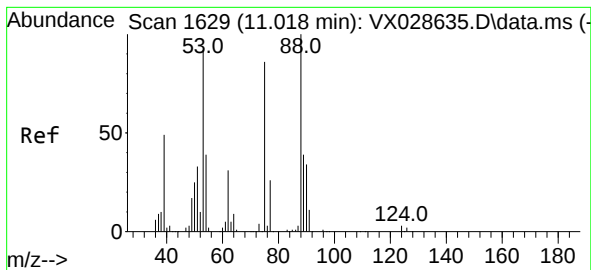
Tgt Ion:152 Resp: 266998  
Ion Ratio Lower Upper  
152 100  
115 61.3 37.5 112.7  
150 156.9 0.0 338.2



#76  
1,2,3-Trichloropropane  
Concen: 22.098 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX028951.D  
Acq: 25 May 2022 15:27

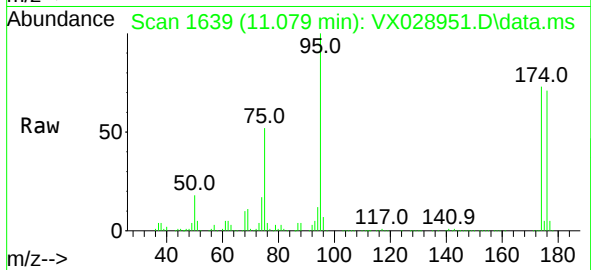
Tgt Ion: 75 Resp: 138173  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 64.690 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX028951.D  
 Acq: 25 May 2022 15:27

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BRP-3-20220524



Tgt Ion: 75 Resp: 138173  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.0 103.4#  
 89 0.0 37.0 55.6#

