

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092221\  
 Data File : VX024435.D  
 Acq On : 22 Sep 2021 15:31  
 Operator : JC/MD  
 Sample : M3818-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-TT-VPB-RW7-TB-20210914RE

Quant Time: Sep 22 16:22:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 21 10:52:48 2021  
 Response via : Initial Calibration

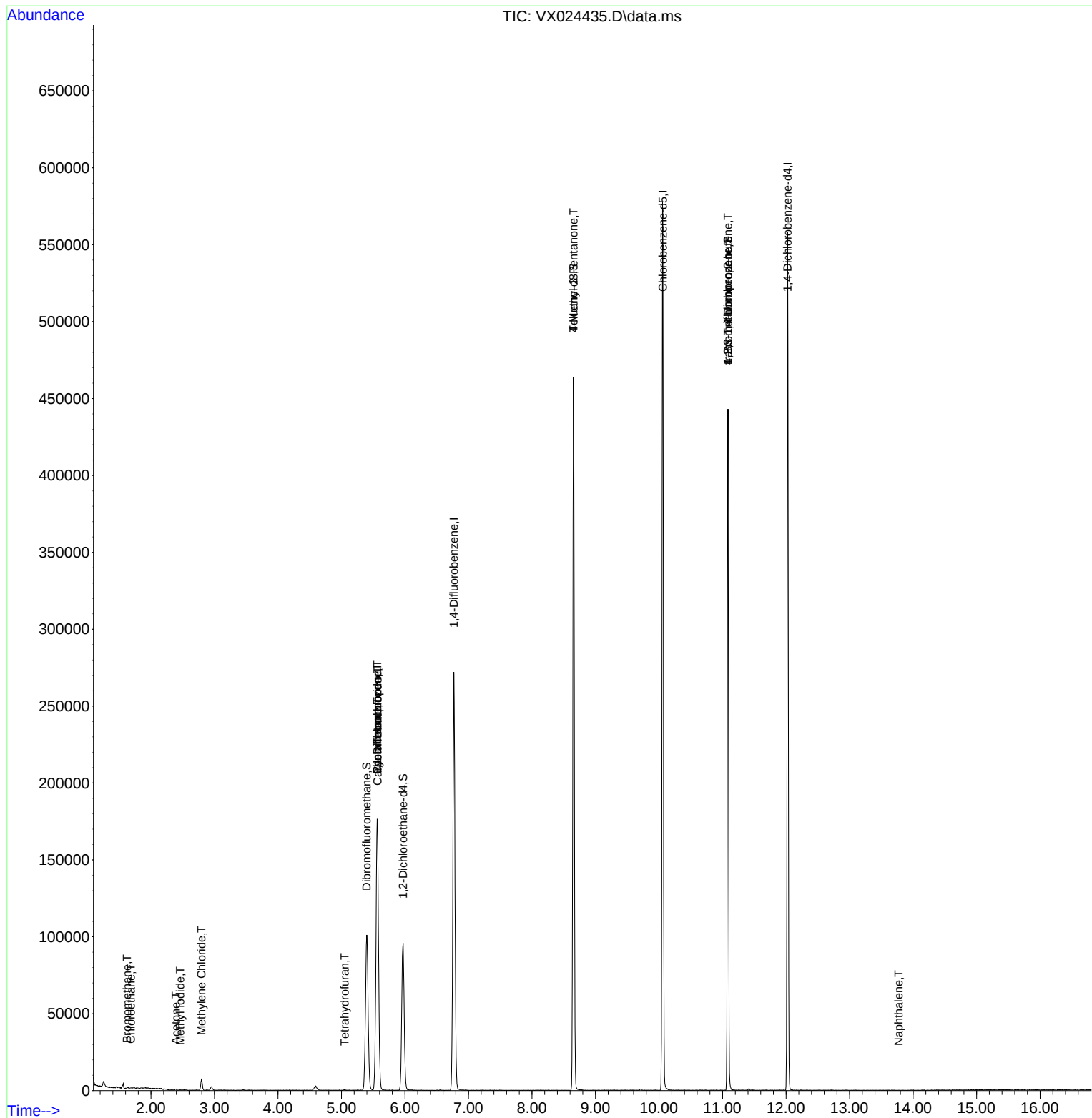
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 161932     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 254799     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.061         | 117  | 267163     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 113211     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.970          | 65   | 99189      | 42.956    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 85.920%   |        |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 86523      | 50.634    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 101.260%  |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 268535     | 43.138    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 86.280%#  |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 116155     | 47.947    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 95.900%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      | Qvalue     |           |        |          |
| 5) Bromomethane               | 1.623          | 94   | 286        | 0.297     | ug/l   | 90       |
| 6) Chloroethane               | 1.684          | 64   | 266        | 0.249     | ug/l # | 43       |
| 10) Methyl Iodide             | 2.459          | 142  | 490        | 0.222     | ug/l # | 47       |
| 11) Tert butyl alcohol        | 2.952          | 59   | 1383       | Below Cal | #      | 73       |
| 16) Acetone                   | 2.392          | 43   | 772        | 0.784     | ug/l # | 82       |
| 20) Methylene Chloride        | 2.794          | 84   | 2769       | 1.465     | ug/l # | 85       |
| 29) Tetrahydrofuran           | 5.050          | 42   | 233        | 0.257     | ug/l # | 33       |
| 31) Cyclohexane               | 5.562          | 56   | 3401       | 1.259     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 12942      | 5.525     | ug/l # | 45       |
| 38) Carbon Tetrachloride      | 5.568          | 117  | 16809      | 6.375     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 8.653          | 43   | 1228       | 0.444     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 59164      | 22.728    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 59164      | 66.842    | ug/l # | 12       |
| 95) Naphthalene               | 13.774         | 128  | 52         | 1.293     | ug/l # | 69       |
| -----                         |                |      |            |           |        |          |

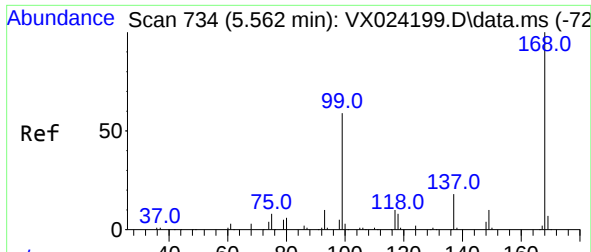
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092221\  
Data File : VX024435.D  
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Sample : M3818-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-TB-20210914RE

Quant Time: Sep 22 16:22:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 21 10:52:48 2021  
Response via : Initial Calibration

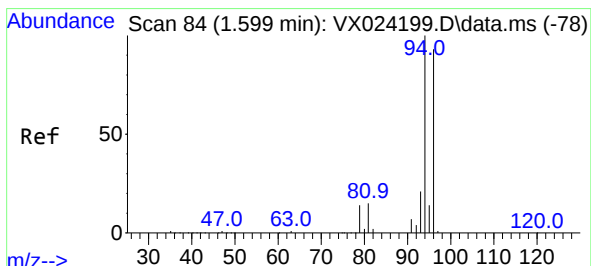
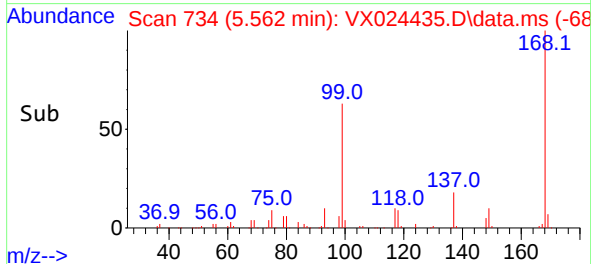
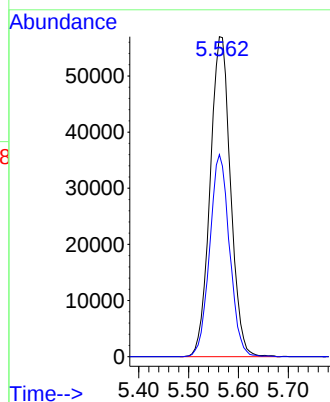
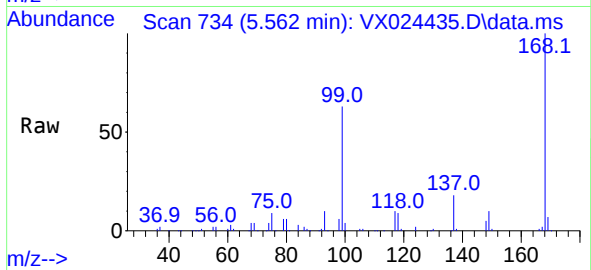




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

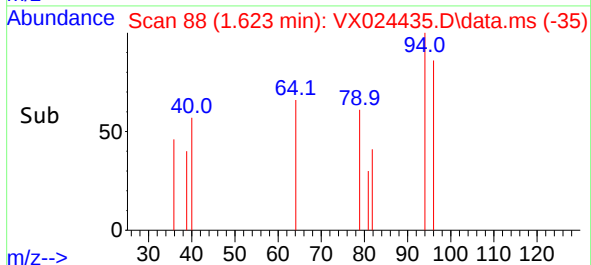
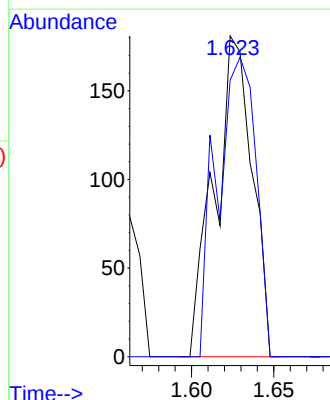
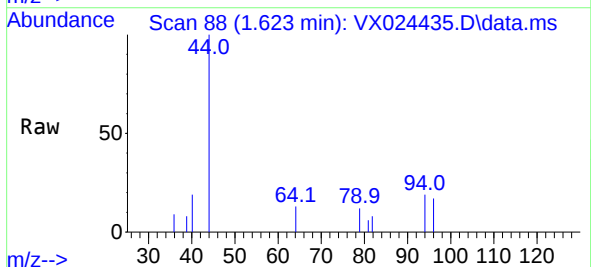
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-TB-20210914RE

Tgt Ion:168 Resp: 161932  
Ion Ratio Lower Upper  
168 100  
99 63.1 45.8 68.6

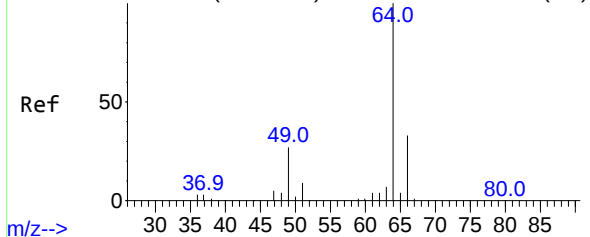


#5  
Bromomethane  
Concen: 0.297 ug/l  
RT: 1.623 min Scan# 88  
Delta R.T. 0.024 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

Tgt Ion: 94 Resp: 286  
Ion Ratio Lower Upper  
94 100  
96 86.2 76.4 114.6



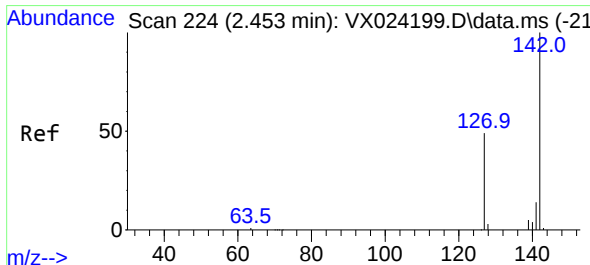
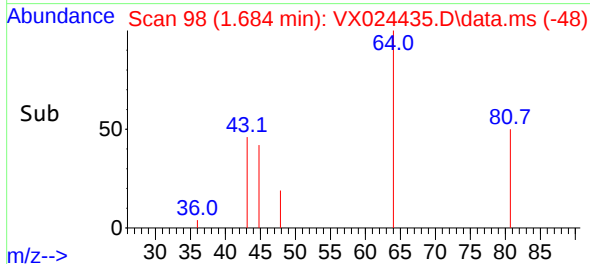
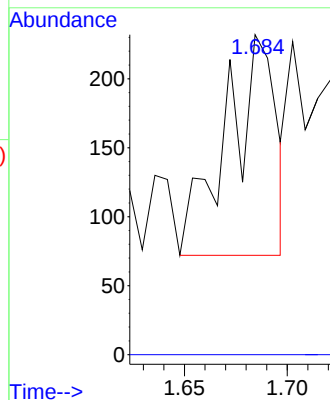
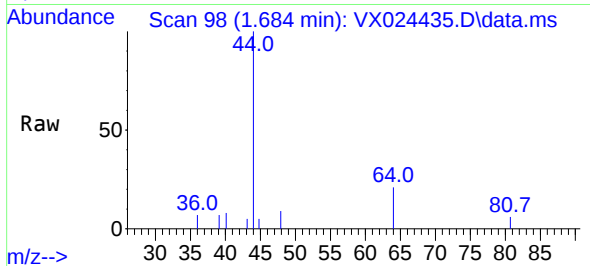
Abundance Scan 97 (1.679 min): VX024199.D\data.ms (-89)



#6  
Chloroethane  
Concen: 0.249 ug/l  
RT: 1.684 min Scan# 98  
Delta R.T. 0.005 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

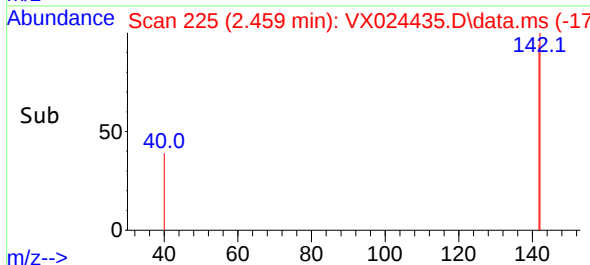
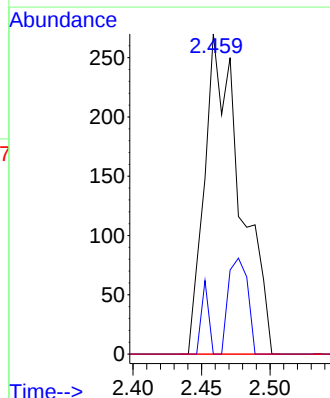
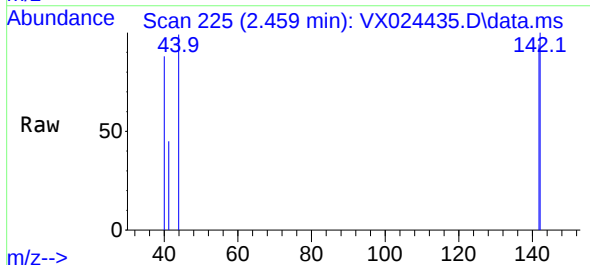
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-TB-20210914RE

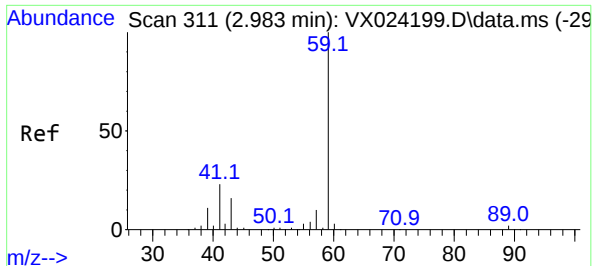
Tgt Ion: 64 Resp: 266  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.4 38.0#



#10  
Methyl Iodide  
Concen: 0.222 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.006 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

Tgt Ion: 142 Resp: 490  
Ion Ratio Lower Upper  
142 100  
127 4.7 33.3 49.9#  
141 0.0 11.4 17.0#



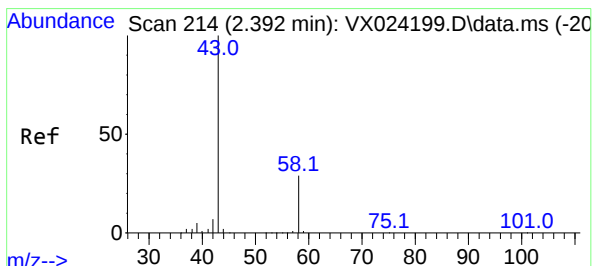
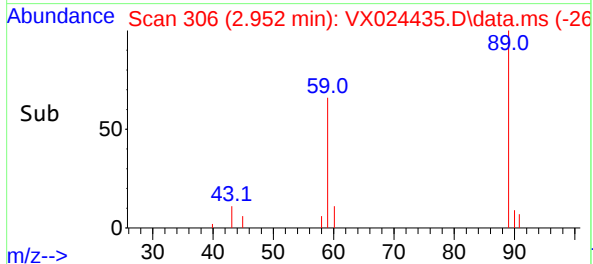
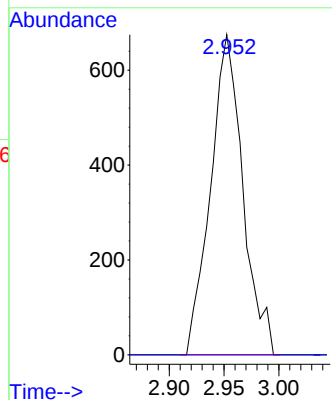
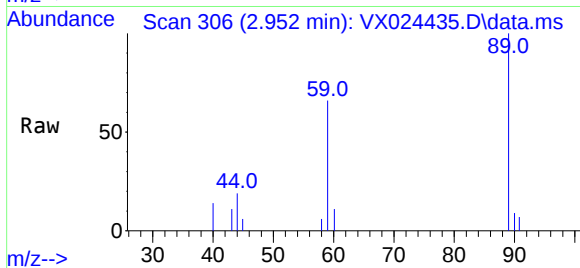


#11

Tert butyl alcohol  
Concen: Below Cal  
RT: 2.952 min Scan# 306  
Delta R.T. -0.031 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-TB-20210914RE

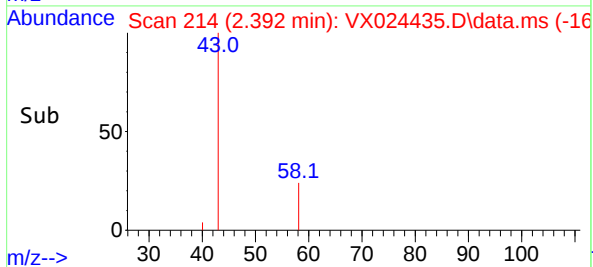
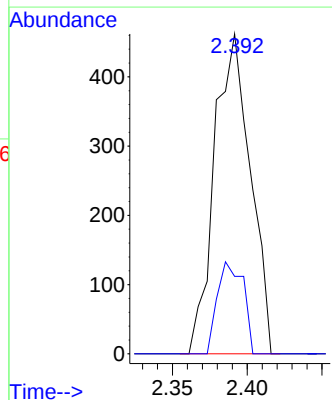
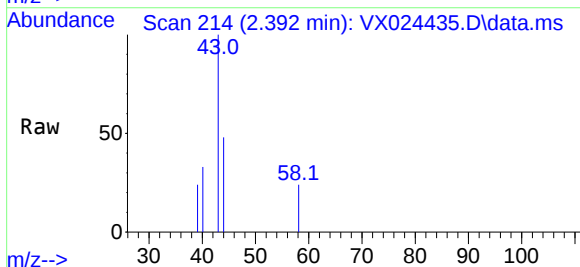
Tgt Ion: 59 Resp: 1383  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

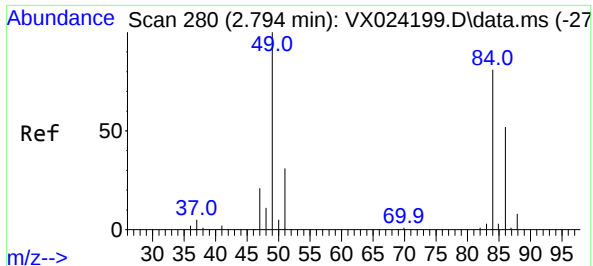


#16

Acetone  
Concen: 0.784 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

Tgt Ion: 43 Resp: 772  
Ion Ratio Lower Upper  
43 100  
58 24.2 27.8 41.8#





#20

Methylene Chloride

Concen: 1.465 ug/l

RT: 2.794 min Scan# 280

Delta R.T. -0.000 min

Lab File: VX024435.D

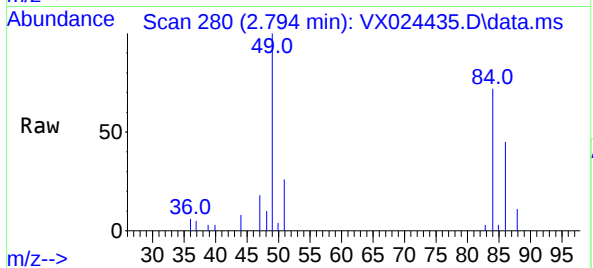
Acq: 22 Sep 2021 15:31

Instrument :

MSVOA\_X

ClientSampleId :

BP-TT-VPB-RW7-TB-20210914RE



Tgt Ion: 84 Resp: 2769

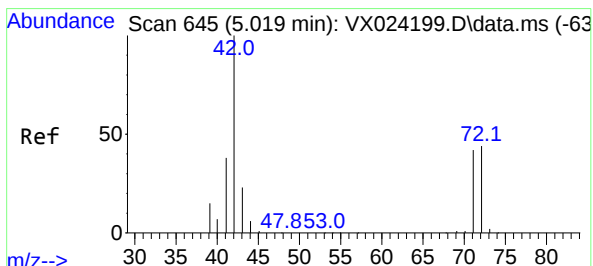
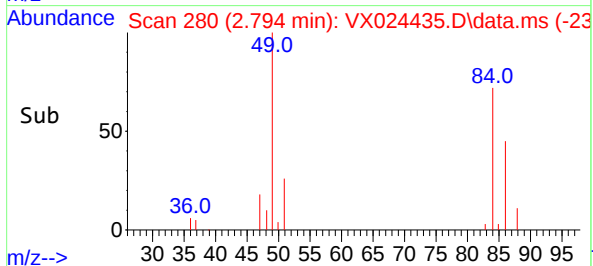
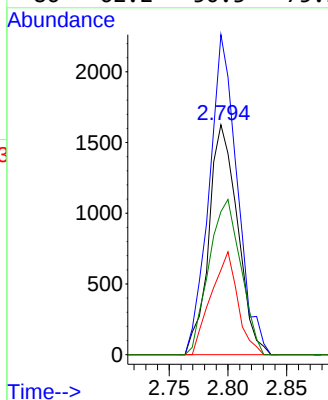
Ion Ratio Lower Upper

84 100

49 139.2 88.6 132.8#

51 36.8 27.0 40.6

86 62.2 50.3 75.5



#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.031 min

Lab File: VX024435.D

Acq: 22 Sep 2021 15:31

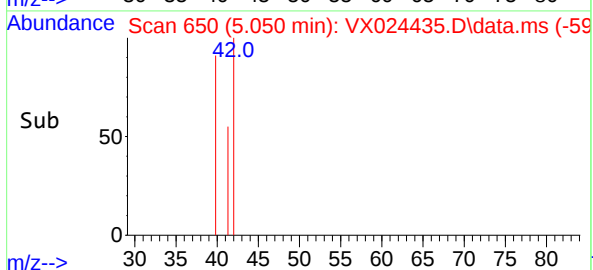
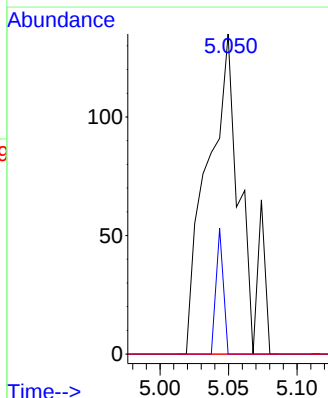
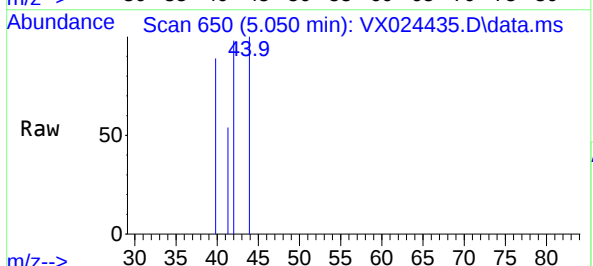
Tgt Ion: 42 Resp: 233

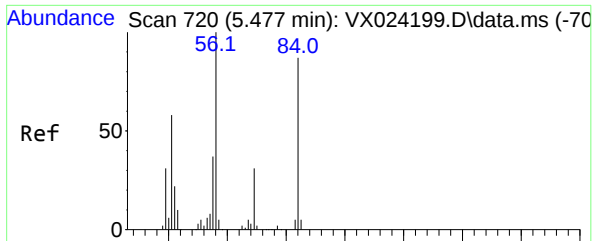
Ion Ratio Lower Upper

42 100

72 8.2 41.7 62.5#

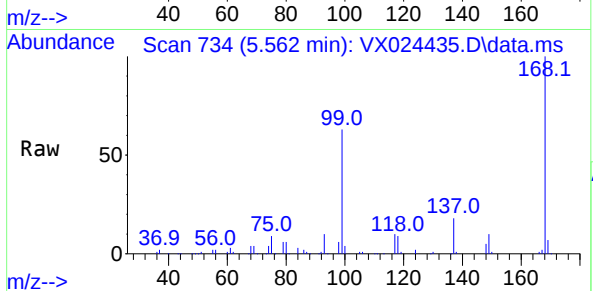
71 0.0 38.4 57.6#



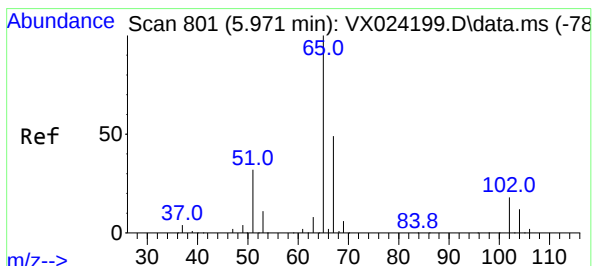
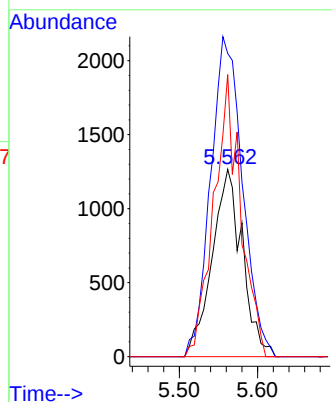
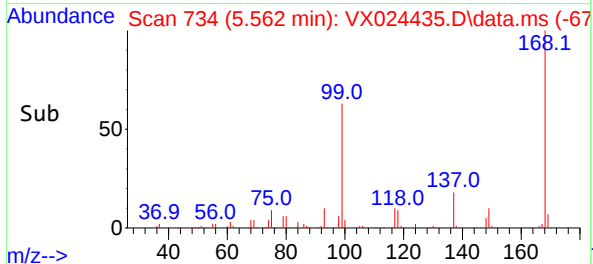


#31  
Cyclohexane  
Concen: 1.259 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.085 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

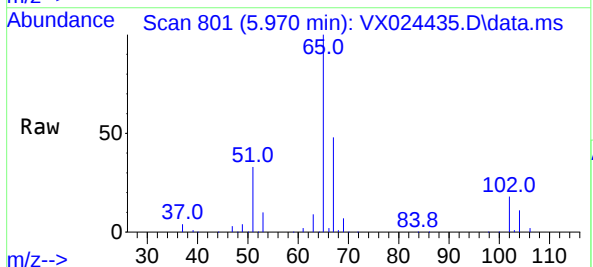
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-TB-20210914RE



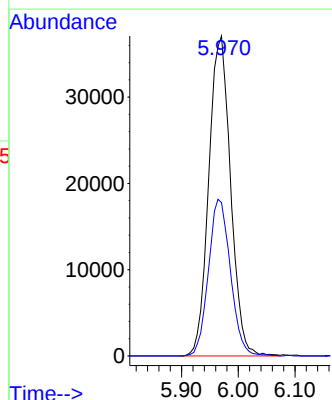
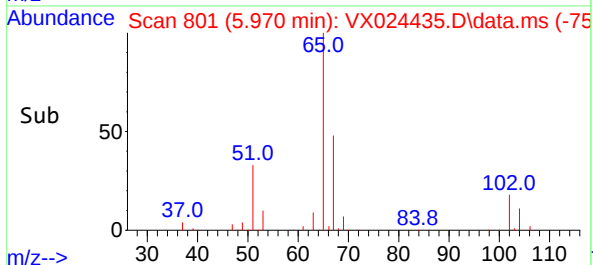
Tgt Ion: 56 Resp: 3401  
Ion Ratio Lower Upper  
56 100  
69 161.8 25.3 37.9#  
84 150.6 71.4 107.0#



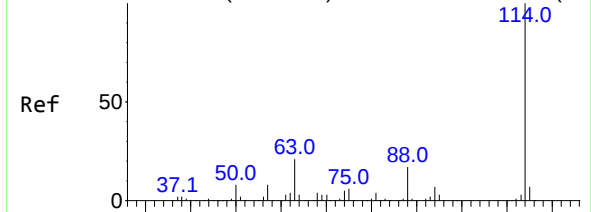
#33  
1,2-Dichloroethane-d4  
Concen: 42.956 ug/l  
RT: 5.970 min Scan# 801  
Delta R.T. -0.001 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31



Tgt Ion: 65 Resp: 99189  
Ion Ratio Lower Upper  
65 100  
67 49.3 0.0 105.4

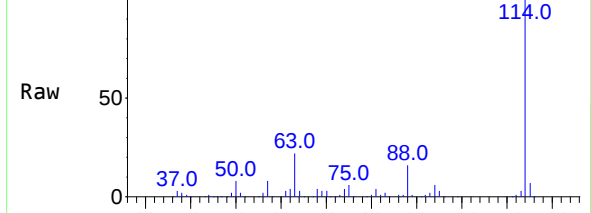


Abundance Scan 932 (6.769 min): VX024199.D\data.ms (-92



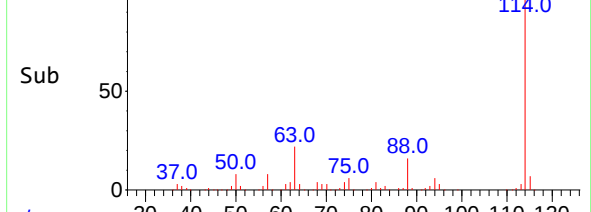
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Abundance Scan 932 (6.769 min): VX024435.D\data.ms



m/z-->

Abundance Scan 932 (6.769 min): VX024435.D\data.ms (-88

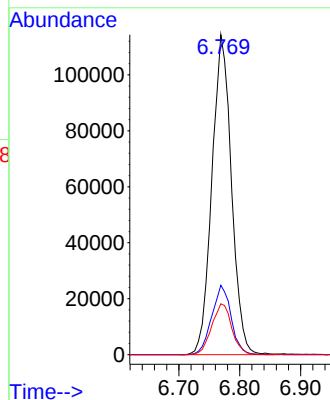


m/z-->

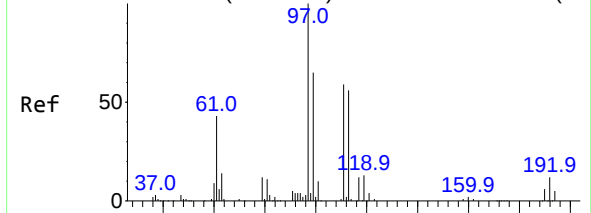
#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 254799 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.7  | 0.0   | 40.8   |
| 88       | 15.9  | 0.0   | 32.8   |

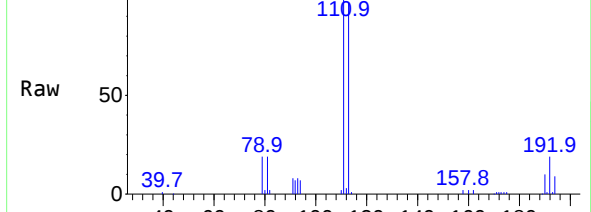


Abundance Scan 707 (5.397 min): VX024199.D\data.ms (-69



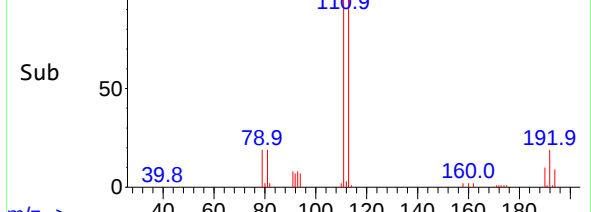
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Abundance Scan 707 (5.397 min): VX024435.D\data.ms



m/z-->

Abundance Scan 707 (5.397 min): VX024435.D\data.ms (-65

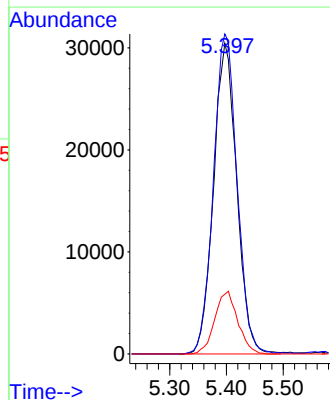


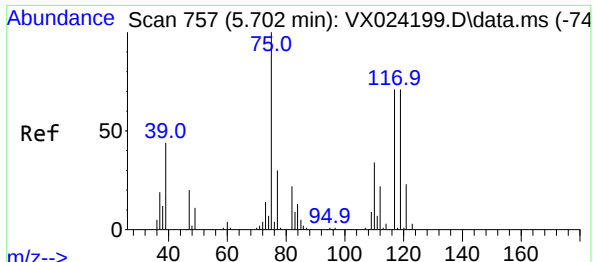
m/z-->

#35

Dibromofluoromethane  
Concen: 50.634 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 86523 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.9 | 81.9  | 122.9 |
| 192      | 20.0  | 16.7  | 25.1  |



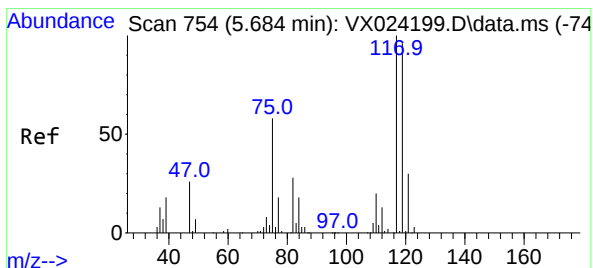
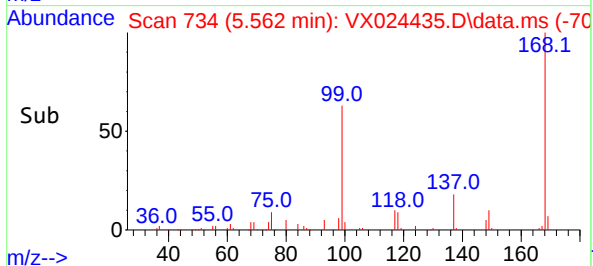
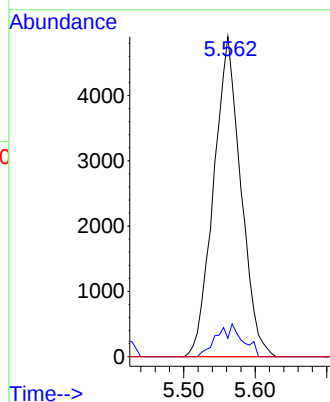
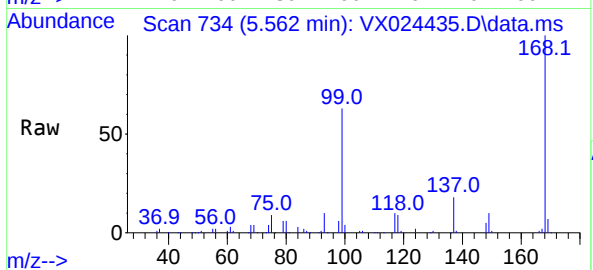


#36

1,1-Dichloropropene  
Concen: 5.525 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-TB-20210914RE

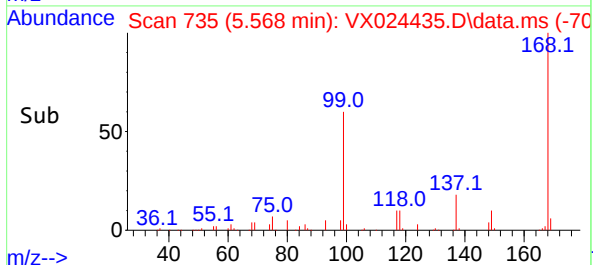
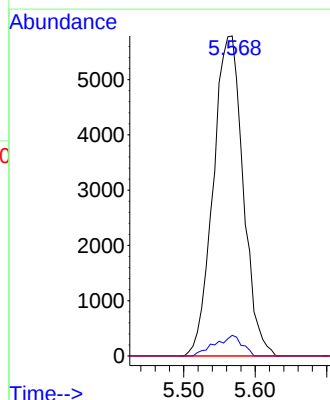
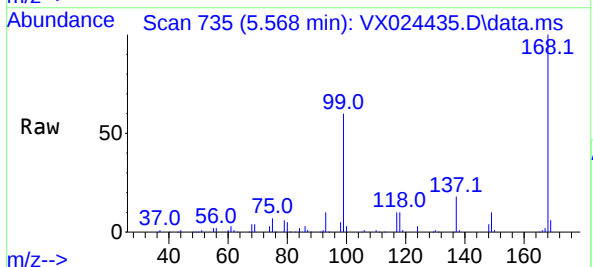
Tgt Ion: 75 Resp: 12942  
Ion Ratio Lower Upper  
75 100  
110 4.8 18.1 54.4#  
77 0.0 25.3 37.9#

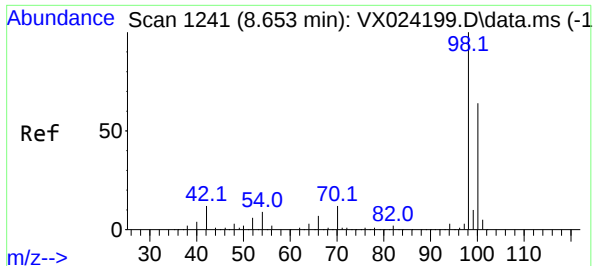


#38

Carbon Tetrachloride  
Concen: 6.375 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. -0.116 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

Tgt Ion: 117 Resp: 16809  
Ion Ratio Lower Upper  
117 100  
119 6.4 76.2 114.2#  
121 0.0 24.8 37.2#

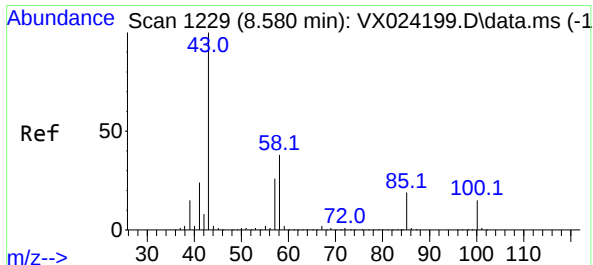
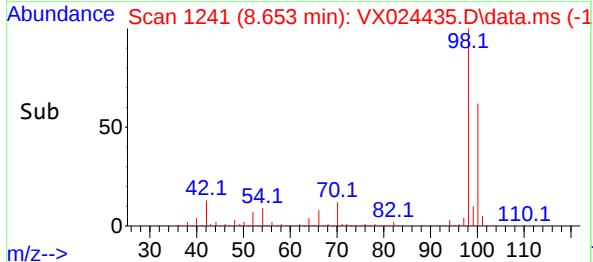
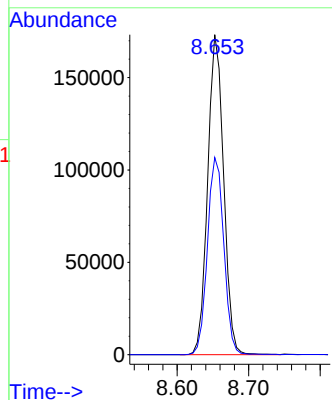
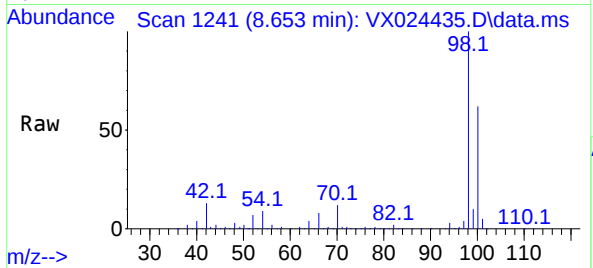




#50  
Toluene-d8  
Concen: 43.138 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

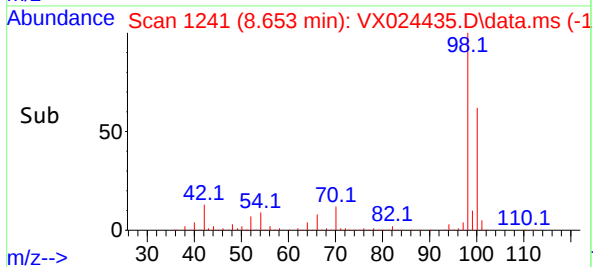
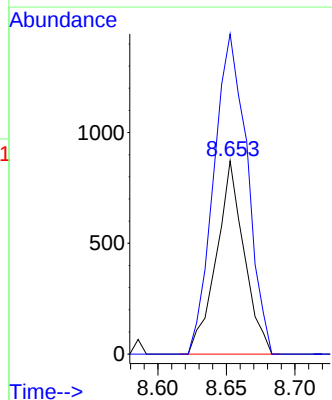
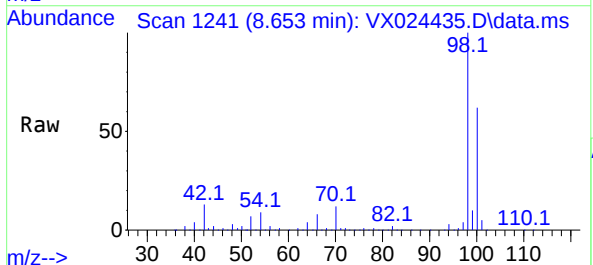
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-TB-20210914RE

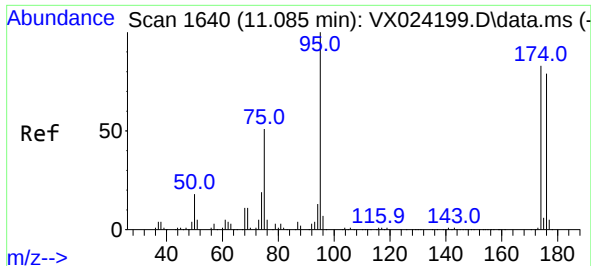
Tgt Ion: 98 Resp: 268535  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 0.444 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

Tgt Ion: 43 Resp: 1228  
Ion Ratio Lower Upper  
43 100  
58 199.4 35.4 53.0%

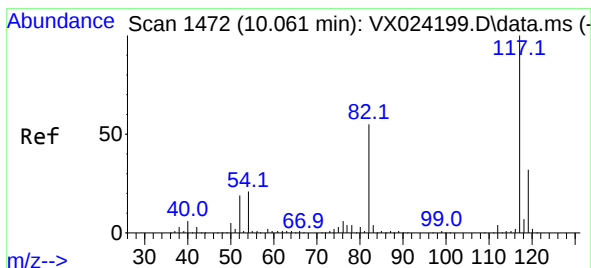
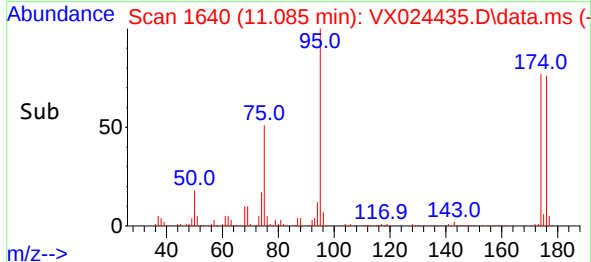
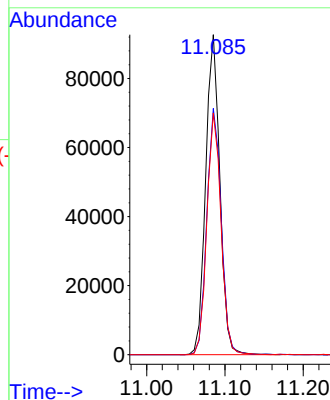
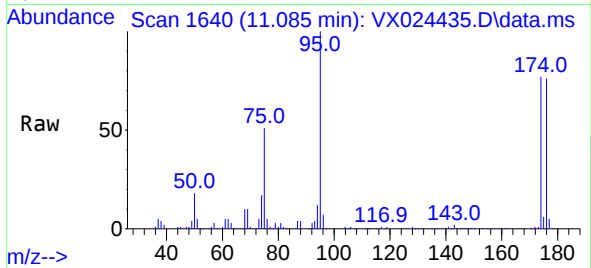




#62  
4-Bromofluorobenzene  
Concen: 47.947 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

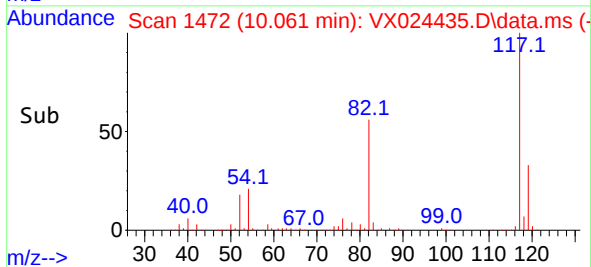
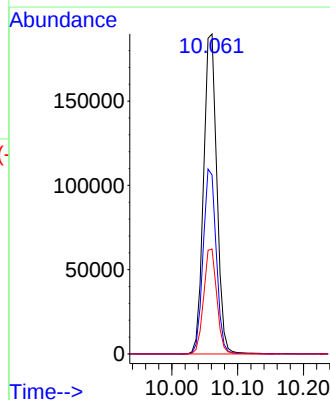
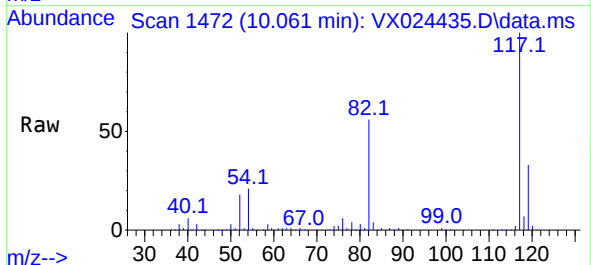
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-TB-20210914RE

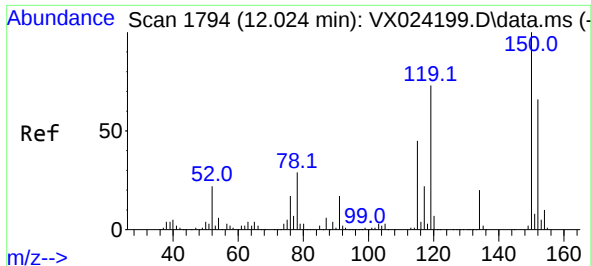
Tgt Ion: 95 Resp: 116155  
Ion Ratio Lower Upper  
95 100  
174 78.1 0.0 154.6  
176 75.4 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

Tgt Ion: 117 Resp: 267163  
Ion Ratio Lower Upper  
117 100  
82 55.9 47.4 71.2  
119 32.8 26.6 39.8

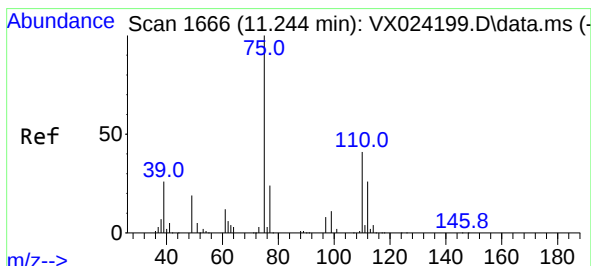
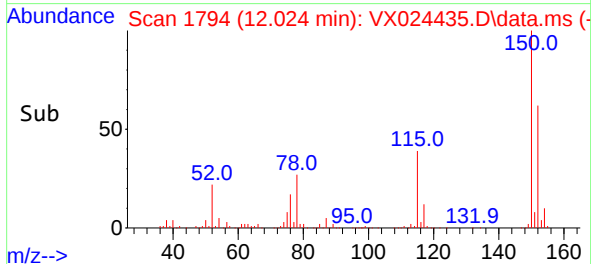
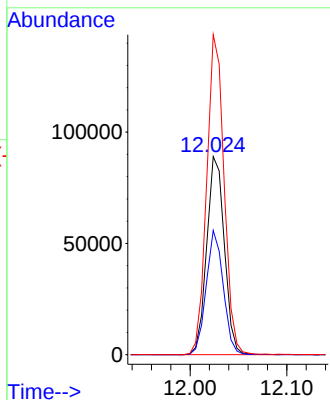
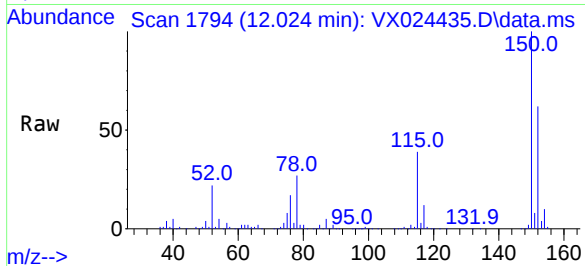




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

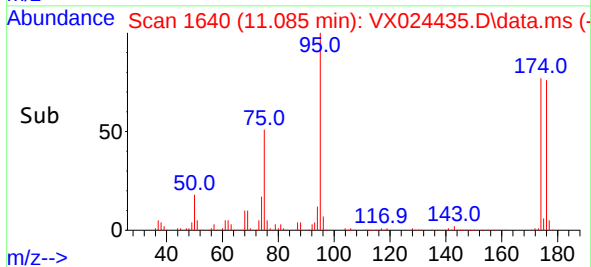
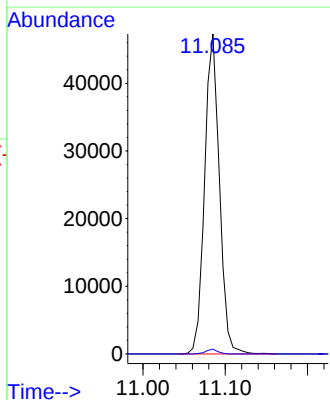
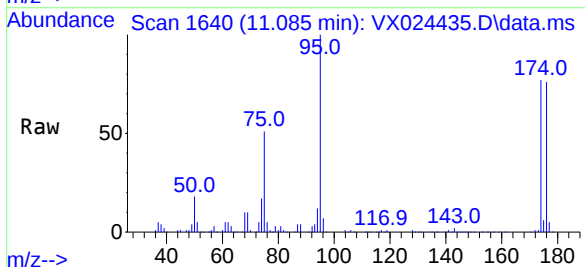
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-TB-20210914RE

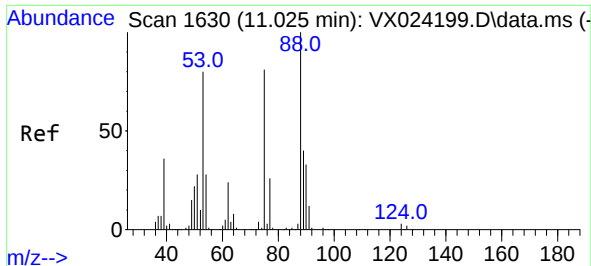
Tgt Ion:152 Resp: 113211  
Ion Ratio Lower Upper  
152 100  
115 60.7 41.1 123.3  
150 158.8 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 22.728 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

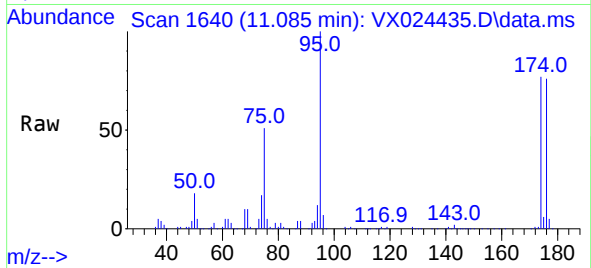
Tgt Ion: 75 Resp: 59164  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



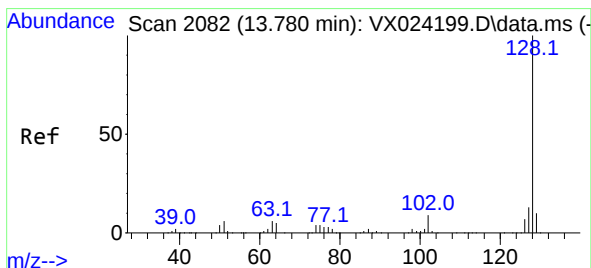
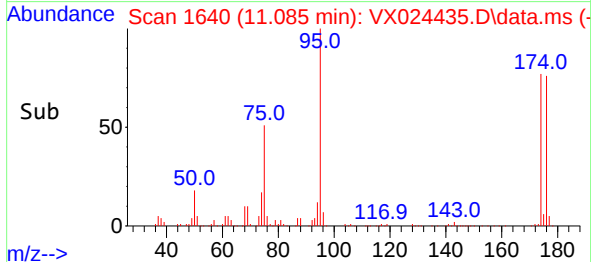
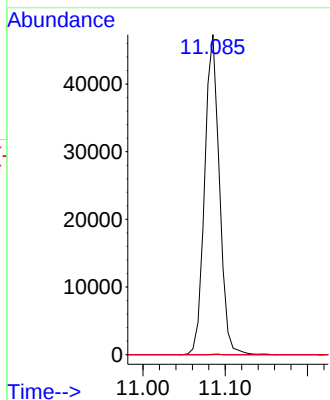


#81  
trans-1,4-Dichloro-2-butene  
Concen: 66.842 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.060 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-TT-VPB-RW7-TB-20210914RE



Tgt Ion: 75 Resp: 59164  
Ion Ratio Lower Upper  
75 100  
53 0.1 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.293 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VX024435.D  
Acq: 22 Sep 2021 15:31

Tgt Ion: 128 Resp: 52  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

