

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061021\  
 Data File : VX022648.D  
 Acq On : 10 Jun 2021 16:54  
 Operator : JC/MD  
 Sample : M2652-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PDB-BLANK-20210608

Quant Time: Jun 11 06:45:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 12:20:00 2021  
 Response via : Initial Calibration

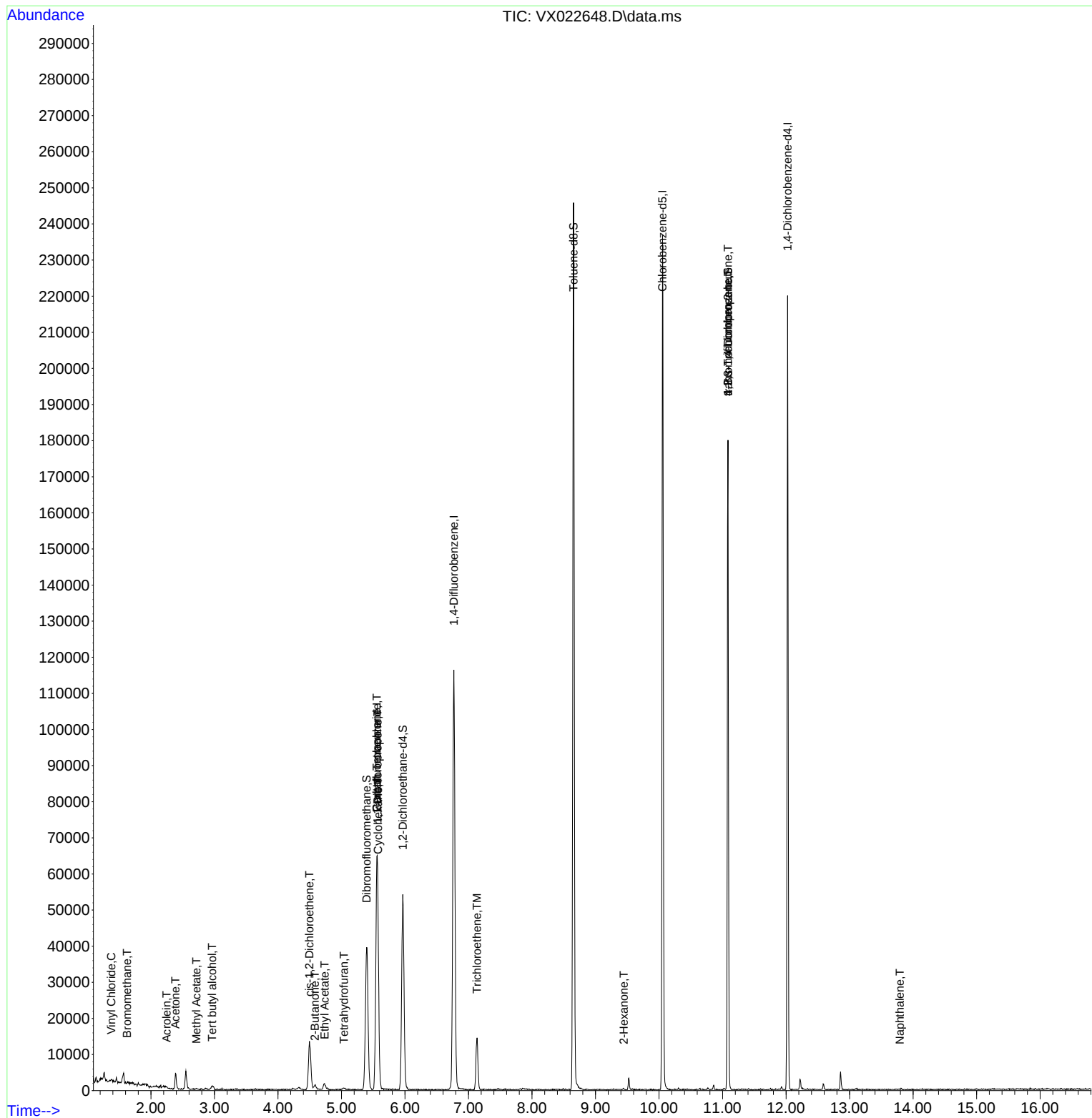
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 56102    | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 112863   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 100303   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 37387    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 47648    | 47.224   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 94.440%  |
| 35) Dibromofluoromethane      | 5.397  | 113   | 33870    | 47.036   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 94.080%  |
| 50) Toluene-d8                | 8.653  | 98    | 139833   | 49.260   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 98.520%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 47778    | 44.503   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 89.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 4) Vinyl Chloride             | 1.374  | 62    | 473      | 0.605    | ug/l   | 95       |
| 5) Bromomethane               | 1.624  | 94    | 97       | 0.228    | ug/l   | # 2      |
| 11) Tert butyl alcohol        | 2.965  | 59    | 933      | 3.994    | ug/l   | # 79     |
| 13) Acrolein                  | 2.246  | 56    | 23       | 0.235    | ug/l   | # 14     |
| 16) Acetone                   | 2.386  | 43    | 4451     | 9.852    | ug/l   | 98       |
| 18) Methyl Acetate            | 2.715  | 43    | 383      | 0.282    | ug/l   | # 47     |
| 25) 2-Butanone                | 4.580  | 43    | 1767     | 2.412    | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene    | 4.495  | 96    | 7818     | 8.502    | ug/l   | 93       |
| 29) Tetrahydrofuran           | 5.038  | 42    | 390      | 0.914    | ug/l   | # 44     |
| 31) Cyclohexane               | 5.574  | 56    | 1788     | 1.469    | ug/l   | # 39     |
| 36) 1,1-Dichloropropene       | 5.568  | 75    | 5934     | 5.277    | ug/l   | # 44     |
| 37) Ethyl Acetate             | 4.733  | 43    | 3198     | 2.237    | ug/l   | # 75     |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 6418     | 6.672    | ug/l   | # 16     |
| 44) Trichloroethene           | 7.135  | 130   | 4911     | 6.253    | ug/l   | 87       |
| 59) 2-Hexanone                | 9.445  | 43    | 253      | 0.231    | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 25949    | 26.177   | ug/l   | # 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 25949    | 65.629   | ug/l   | # 12     |
| 95) Naphthalene               | 13.792 | 128   | 166      | 1.525    | ug/l   | # 69     |
| -----                         |        |       |          |          |        |          |

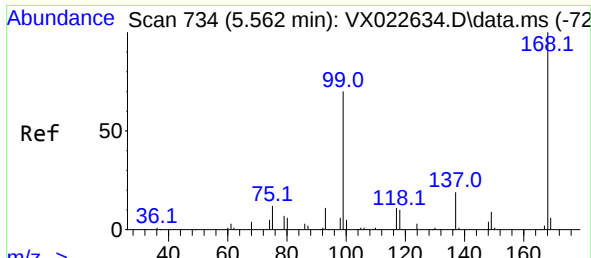
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061021\  
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Sample : M2652-07  
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Quant Title : SW846 8260  
QLast Update : Thu Jun 10 12:20:00 2021  
Response via : Initial Calibration

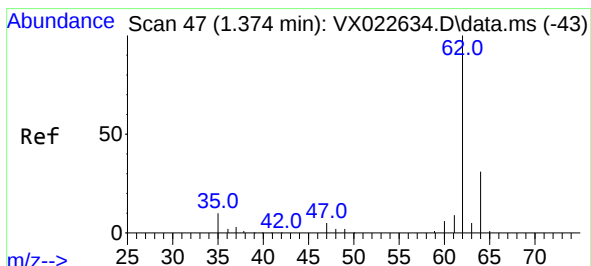
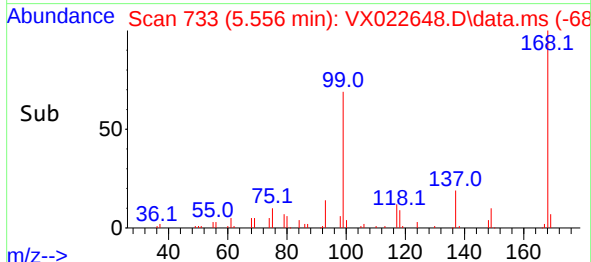
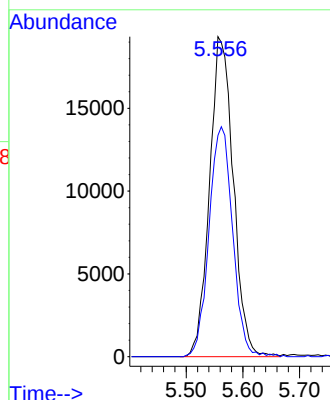
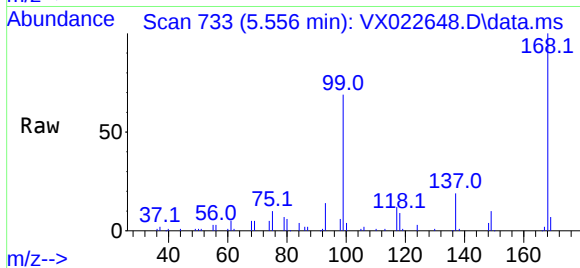




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.006 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

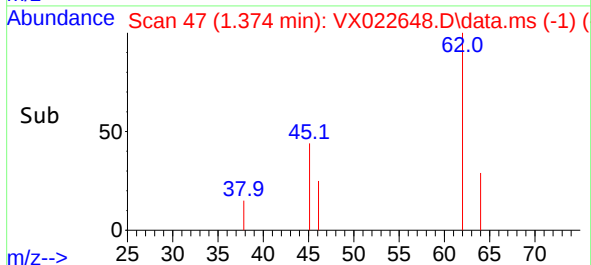
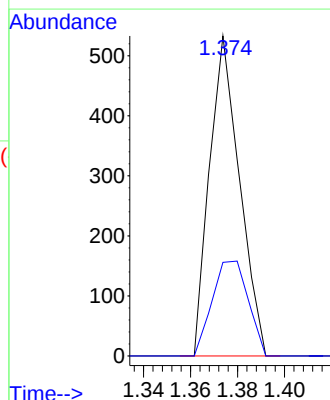
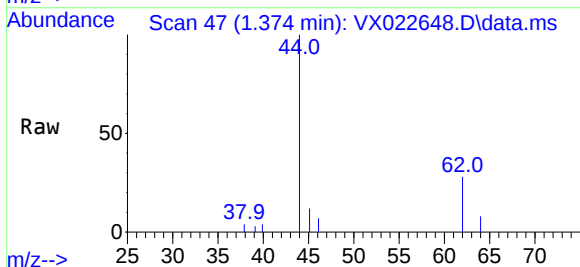
Instrument :  
MSVOA\_X  
ClientSampleId :  
PDB-BLANK-20210608

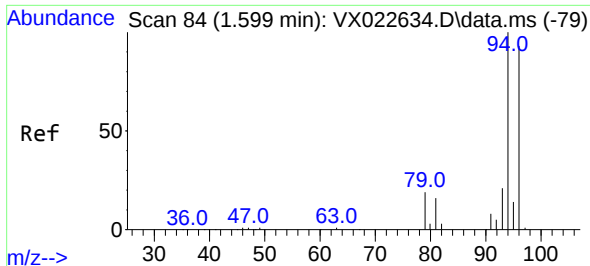
Tgt Ion:168 Resp: 56102  
Ion Ratio Lower Upper  
168 100  
99 69.1 45.8 68.6#



#4  
Vinyl Chloride  
Concen: 0.605 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Tgt Ion: 62 Resp: 473  
Ion Ratio Lower Upper  
62 100  
64 29.3 25.7 38.5

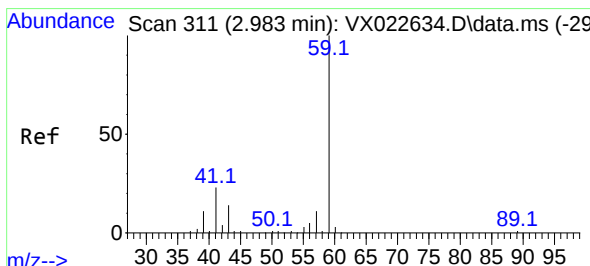
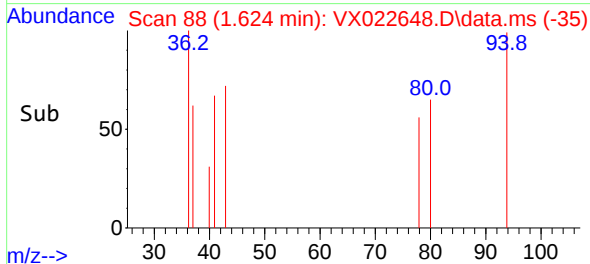
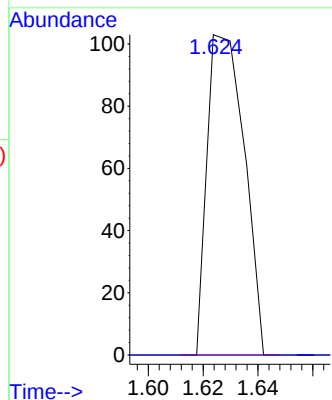
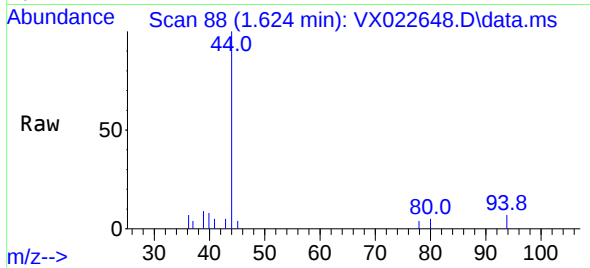




#5  
Bromomethane  
Concen: 0.228 ug/l  
RT: 1.624 min Scan# 88  
Delta R.T. 0.025 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

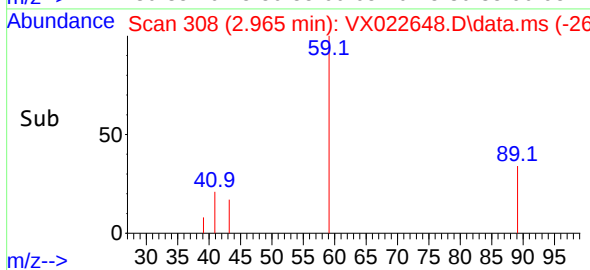
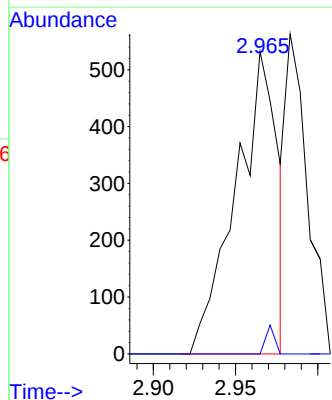
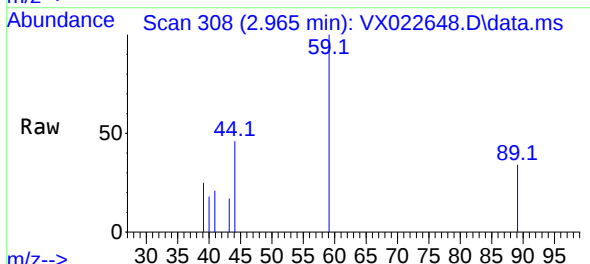
Instrument :  
MSVOA\_X  
ClientSampleId :  
PDB-BLANK-20210608

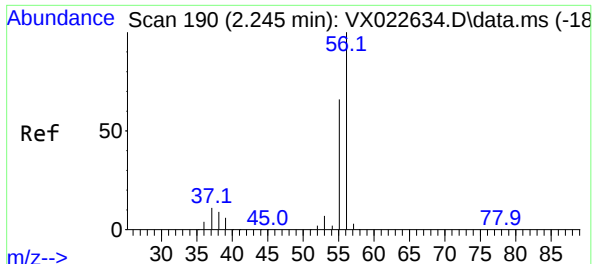
Tgt Ion: 94 Resp: 97  
Ion Ratio Lower Upper  
94 100  
96 0.0 76.4 114.6#



#11  
Tert butyl alcohol  
Concen: 3.994 ug/l  
RT: 2.965 min Scan# 308  
Delta R.T. -0.018 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Tgt Ion: 59 Resp: 933  
Ion Ratio Lower Upper  
59 100  
57 2.0 7.8 11.8#

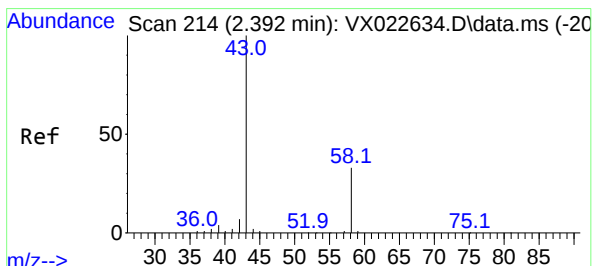
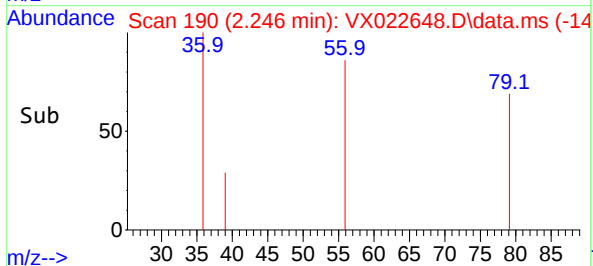
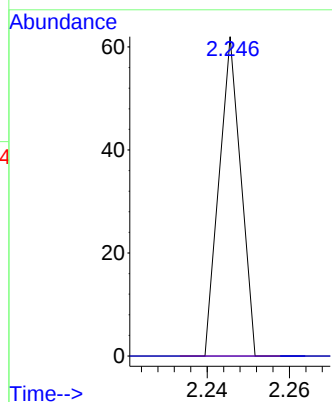
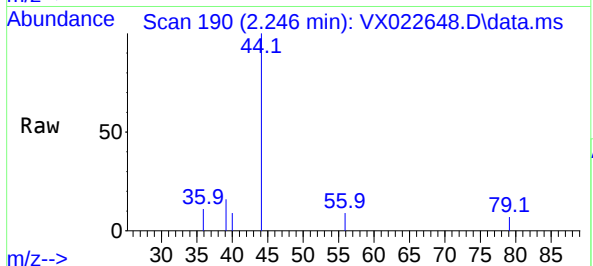




#13  
Acrolein  
Concen: 0.235 ug/l  
RT: 2.246 min Scan# 190  
Delta R.T. 0.007 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

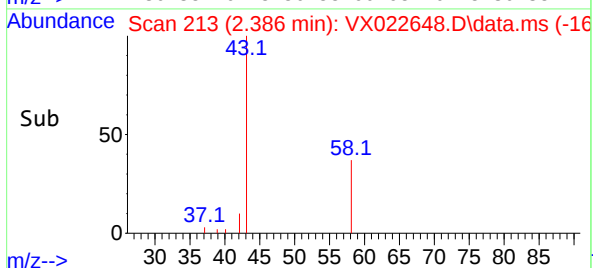
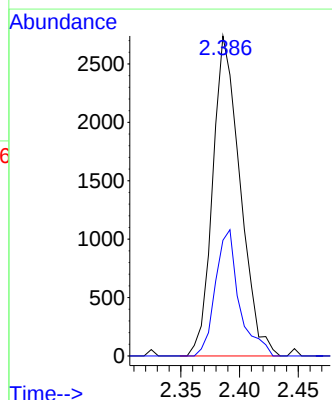
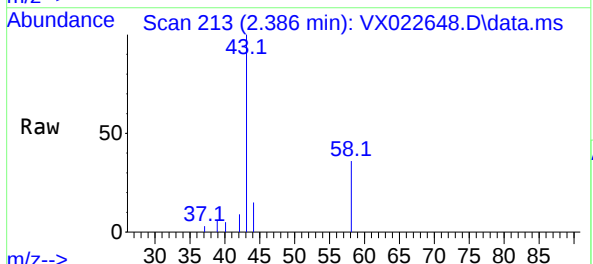
Instrument :  
MSVOA\_X  
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PDB-BLANK-20210608

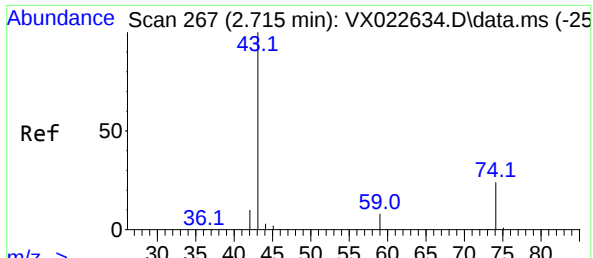
Tgt Ion: 56 Resp: 23  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#



#16  
Acetone  
Concen: 9.852 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Tgt Ion: 43 Resp: 4451  
Ion Ratio Lower Upper  
43 100  
58 36.1 27.8 41.8





#18

Methyl Acetate

Concen: 0.282 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

Lab File: VX022648.D

Acq: 10 Jun 2021 16:54

Instrument :

MSVOA\_X

ClientSampleId :

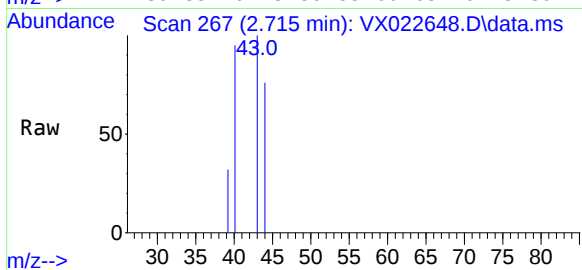
PDB-BLANK-20210608

Tgt Ion: 43 Resp: 383

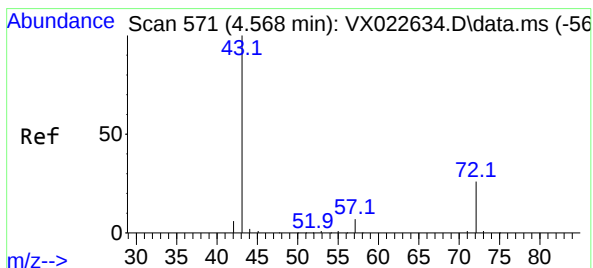
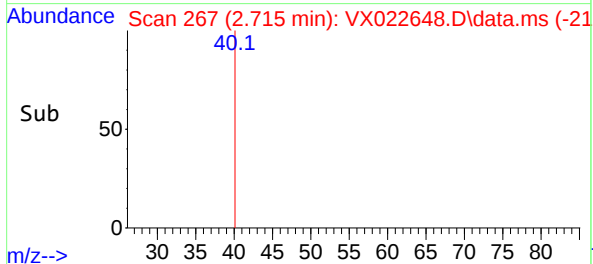
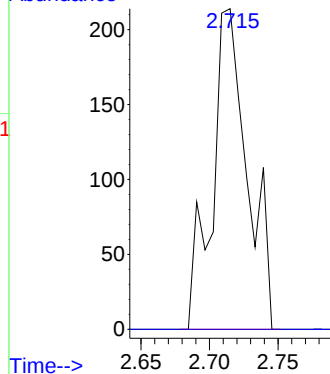
Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



Abundance



#25

2-Butanone

Concen: 2.412 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX022648.D

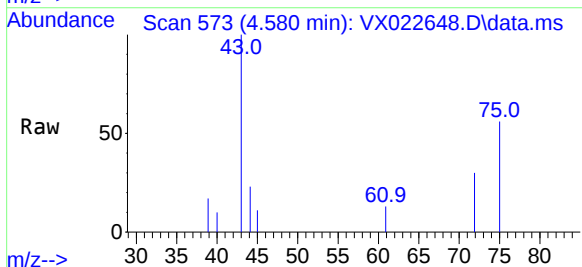
Acq: 10 Jun 2021 16:54

Tgt Ion: 43 Resp: 1767

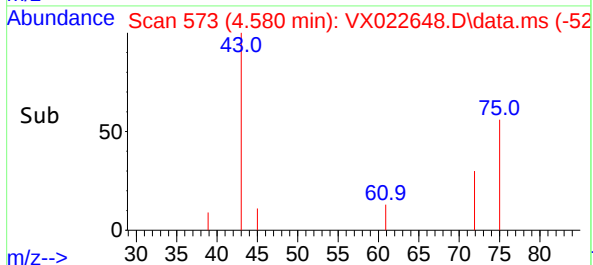
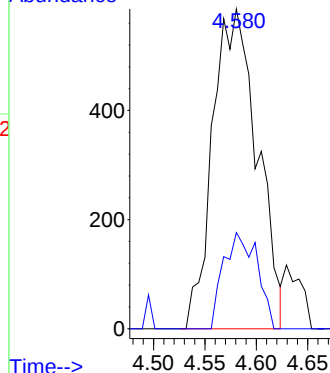
Ion Ratio Lower Upper

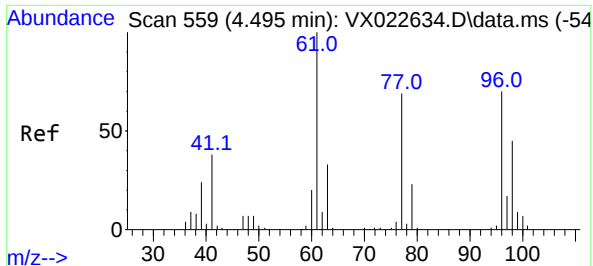
43 100

72 30.0 23.7 35.5



Abundance



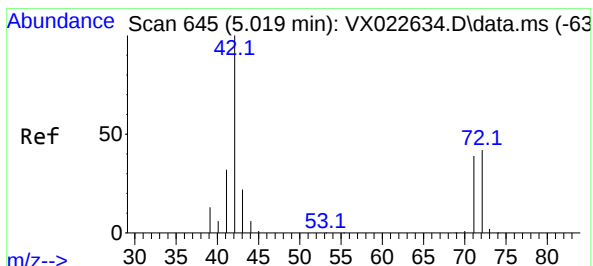
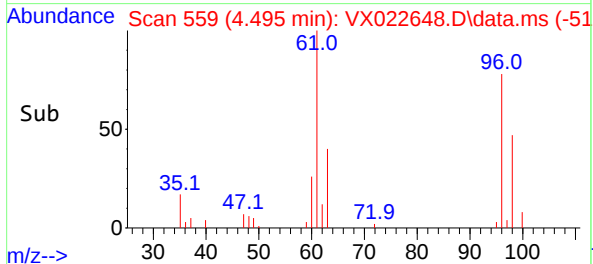
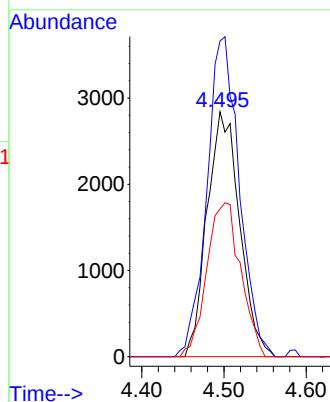
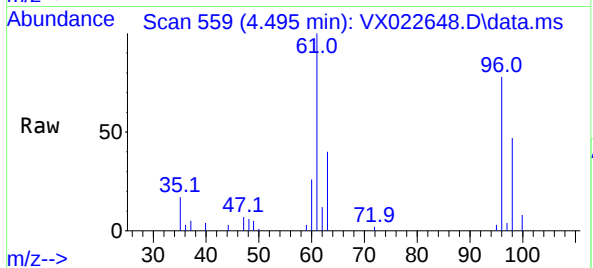


#27  
cis-1,2-Dichloroethene  
Concen: 8.502 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.000 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

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ClientSampleId :  
PDB-BLANK-20210608

Tgt Ion: 96 Resp: 7818

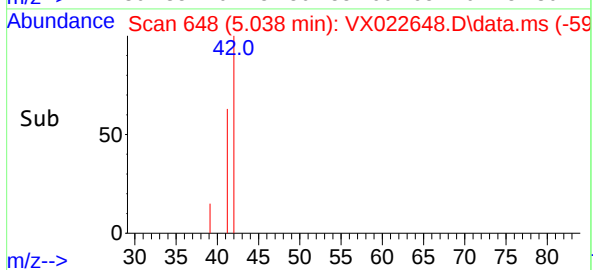
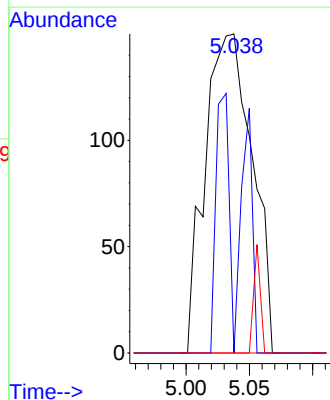
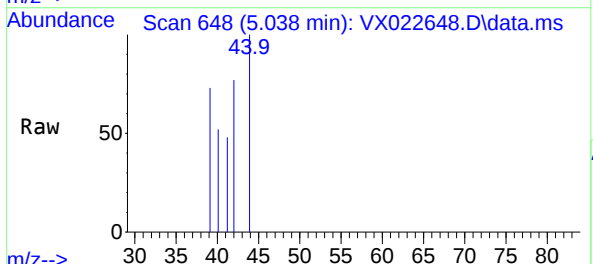
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 130.3 | 0.0   | 285.6 |
| 98  | 65.4  | 0.0   | 129.6 |

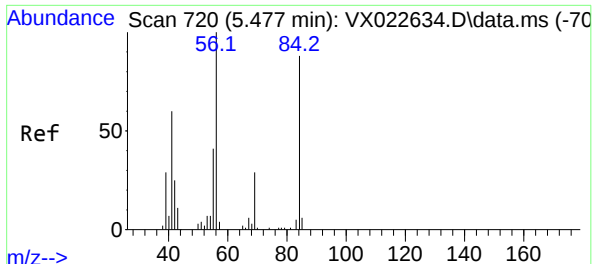


#29  
Tetrahydrofuran  
Concen: 0.914 ug/l  
RT: 5.038 min Scan# 648  
Delta R.T. 0.025 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Tgt Ion: 42 Resp: 390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 22.3  | 41.7  | 62.5# |
| 71  | 0.0   | 38.4  | 57.6# |

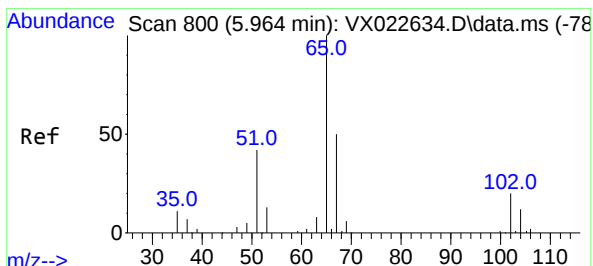
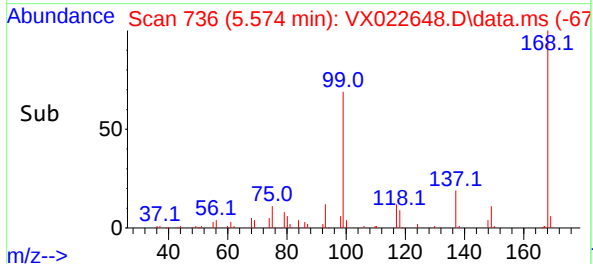
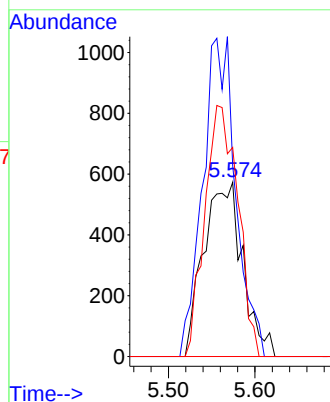
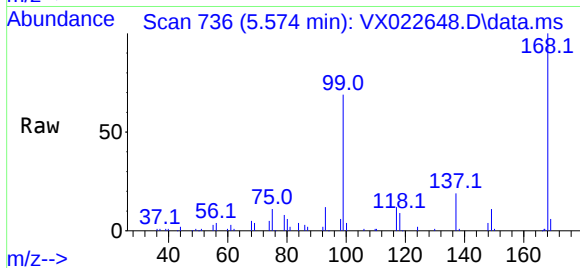




#31  
Cyclohexane  
Concen: 1.469 ug/l  
RT: 5.574 min Scan# 736  
Delta R.T. 0.097 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

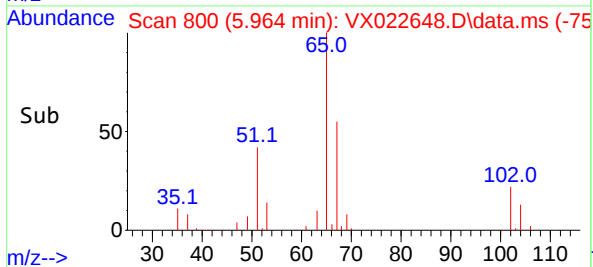
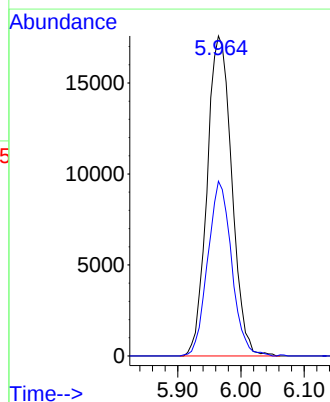
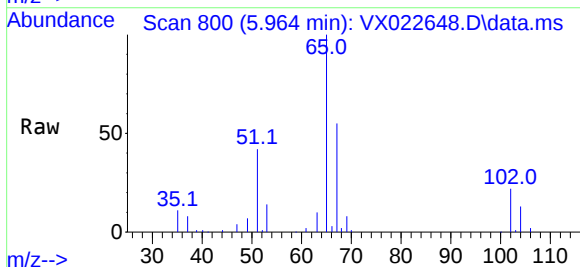
Instrument :  
MSVOA\_X  
ClientSampleId :  
PDB-BLANK-20210608

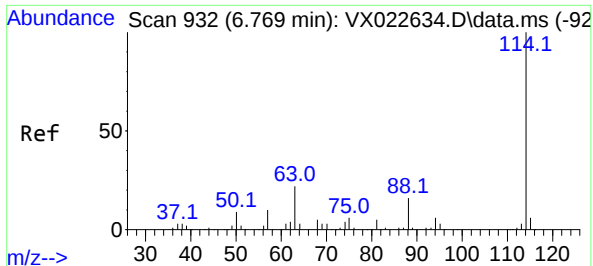
Tgt Ion: 56 Resp: 1788  
Ion Ratio Lower Upper  
56 100  
69 109.8 25.3 37.9#  
84 120.1 71.4 107.0#



#33  
1,2-Dichloroethane-d4  
Concen: 47.224 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Tgt Ion: 65 Resp: 47648  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 105.4



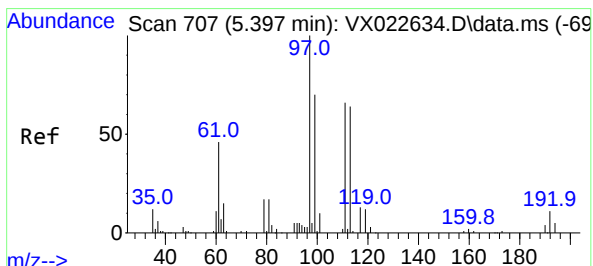
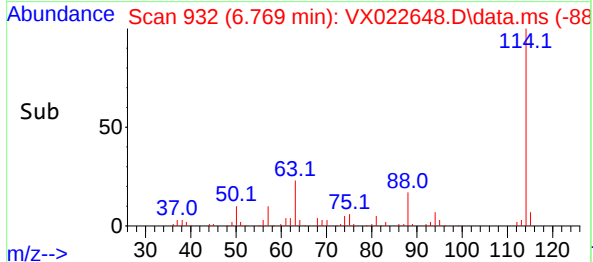
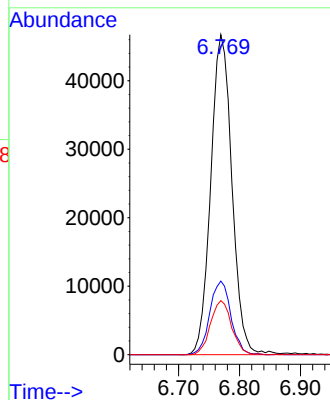
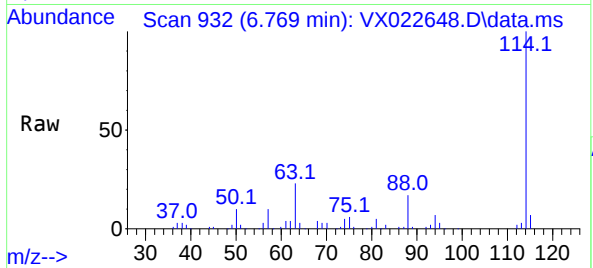


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
PDB-BLANK-20210608

Tgt Ion:114 Resp: 112863

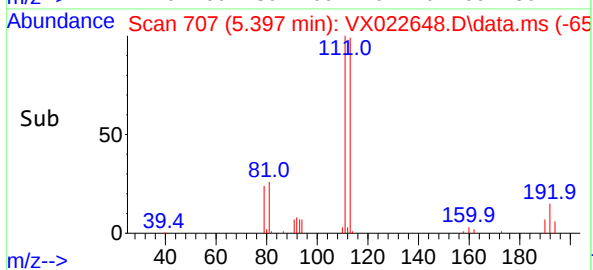
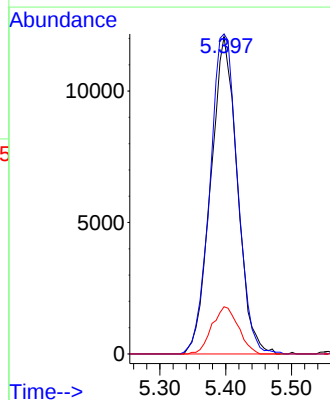
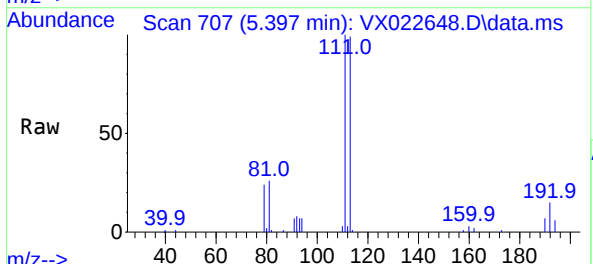
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 23.0  | 0.0   | 40.8  |
| 88  | 16.9  | 0.0   | 32.8  |

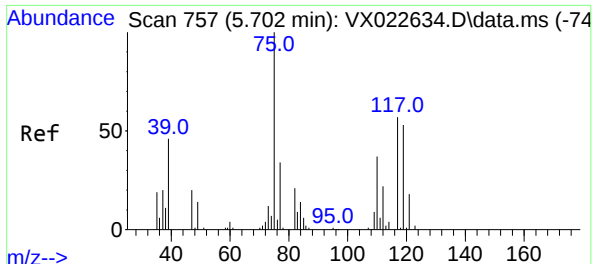


#35  
Dibromofluoromethane  
Concen: 47.036 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Tgt Ion:113 Resp: 33870

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 104.6 | 81.9  | 122.9 |
| 192 | 14.8  | 16.7  | 25.1  |

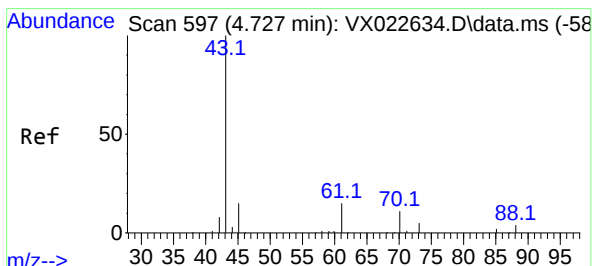
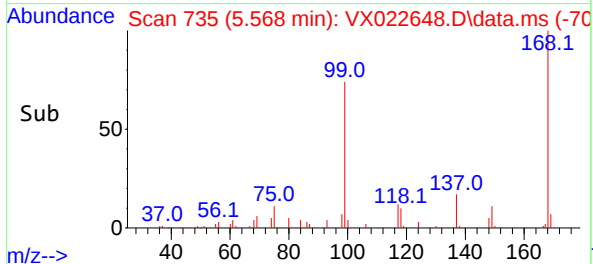
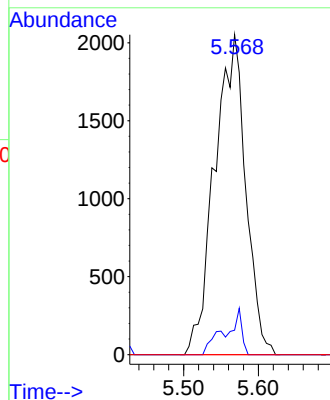
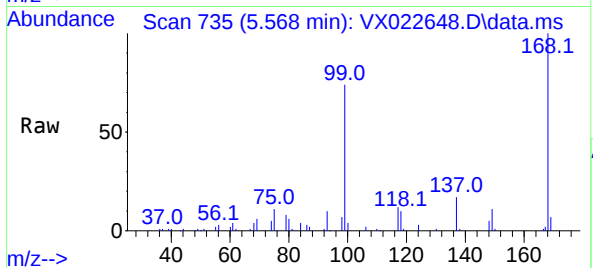




#36  
1,1-Dichloropropene  
Concen: 5.277 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. -0.134 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

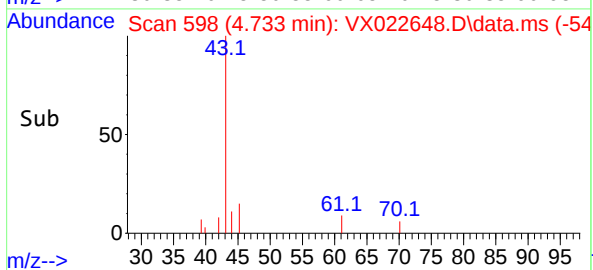
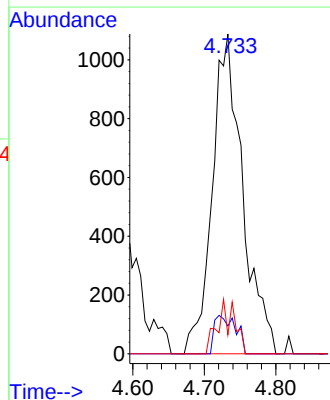
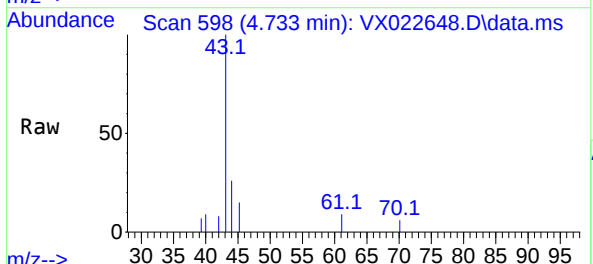
Instrument :  
MSVOA\_X  
ClientSampleId :  
PDB-BLANK-20210608

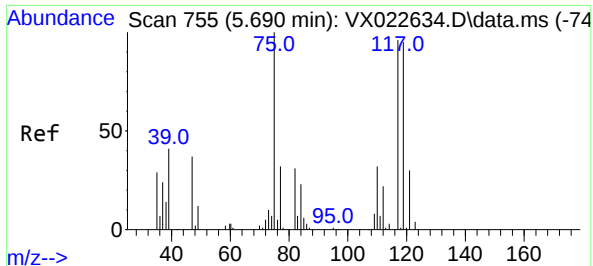
Tgt Ion: 75 Resp: 5934  
Ion Ratio Lower Upper  
75 100  
110 4.2 18.1 54.4#  
77 0.0 25.3 37.9#



#37  
Ethyl Acetate  
Concen: 2.237 ug/l  
RT: 4.733 min Scan# 598  
Delta R.T. 0.006 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

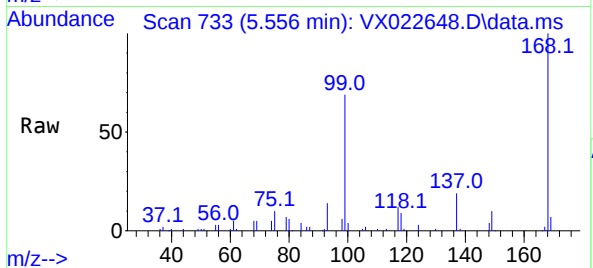
Tgt Ion: 43 Resp: 3198  
Ion Ratio Lower Upper  
43 100  
61 0.0 12.8 19.2#  
70 9.5 10.5 15.7#



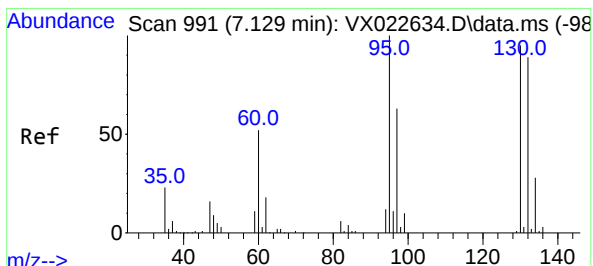
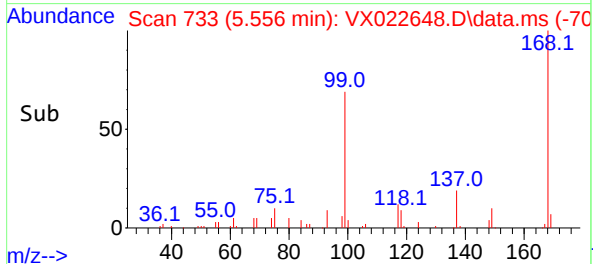
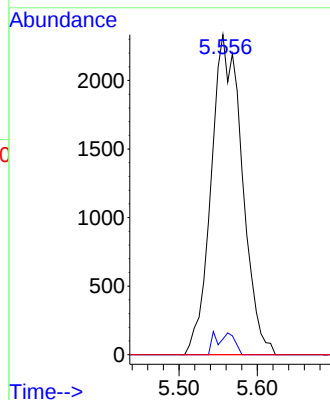


#38  
Carbon Tetrachloride  
Concen: 6.672 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.122 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
PDB-BLANK-20210608

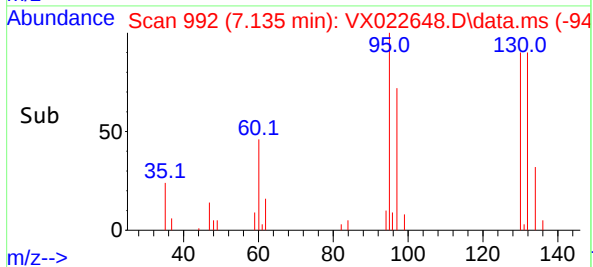
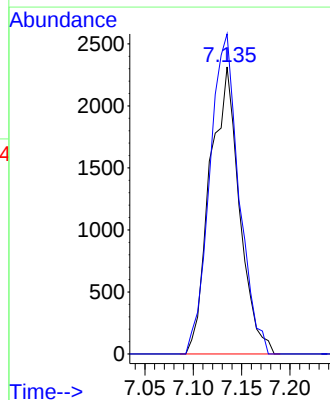
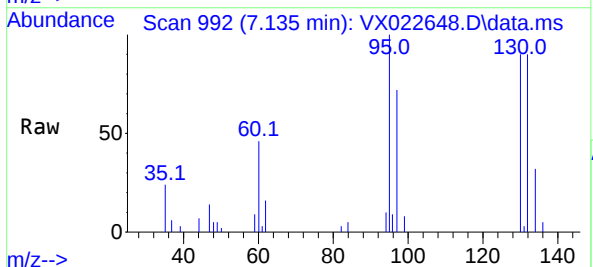


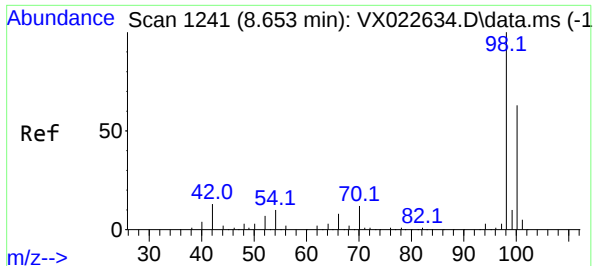
Tgt Ion:117 Resp: 6418  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.2 114.2#  
121 0.0 24.8 37.2#



#44  
Trichloroethene  
Concen: 6.253 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Tgt Ion:130 Resp: 4911  
Ion Ratio Lower Upper  
130 100  
95 111.5 0.0 198.0

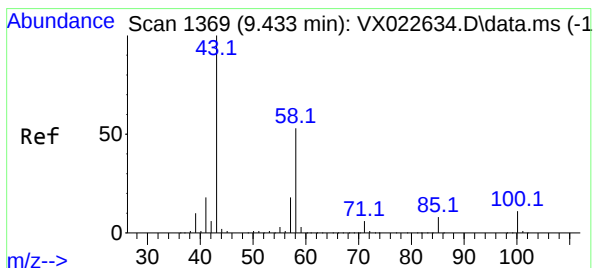
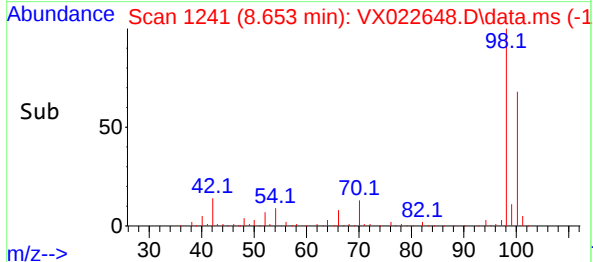
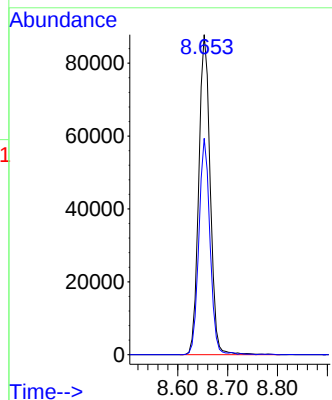
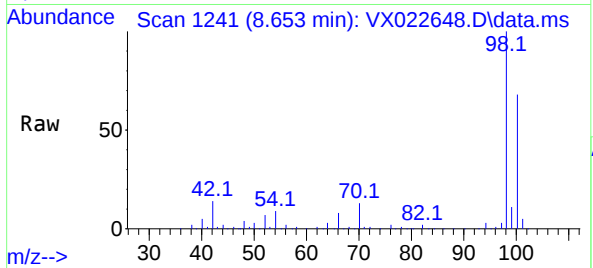




#50  
Toluene-d8  
Concen: 49.260 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

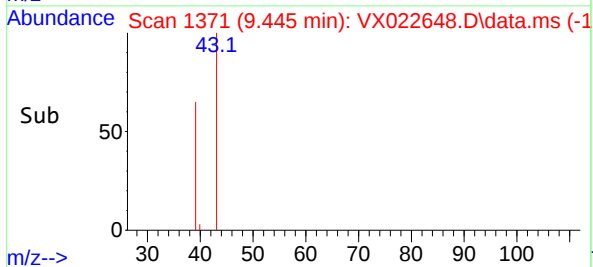
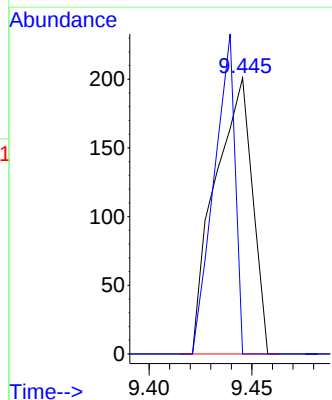
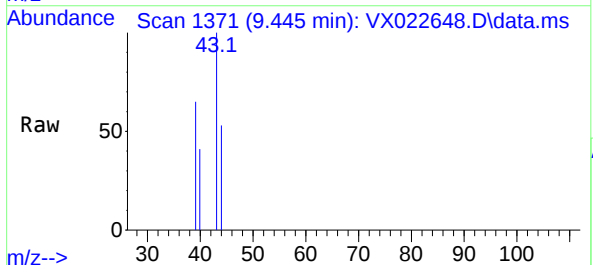
Instrument :  
MSVOA\_X  
ClientSampleId :  
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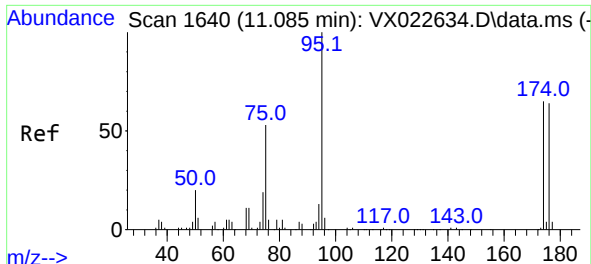
Tgt Ion: 98 Resp: 139833  
Ion Ratio Lower Upper  
98 100  
100 65.7 51.9 77.9



#59  
2-Hexanone  
Concen: 0.231 ug/l  
RT: 9.445 min Scan# 1371  
Delta R.T. 0.012 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Tgt Ion: 43 Resp: 253  
Ion Ratio Lower Upper  
43 100  
58 65.6 30.9 92.8

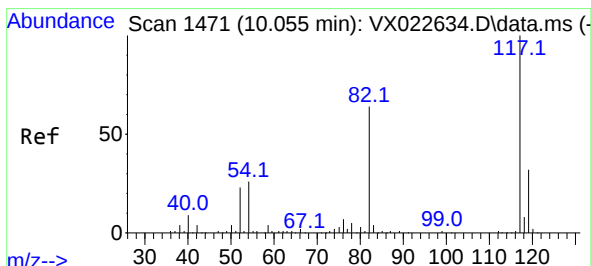
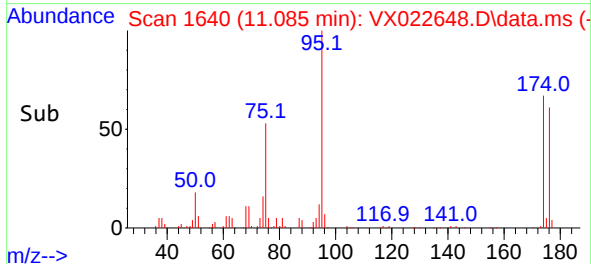
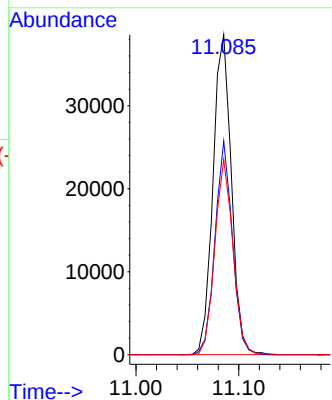
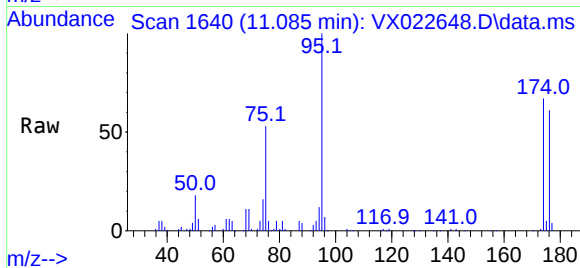




#62  
4-Bromofluorobenzene  
Concen: 44.503 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

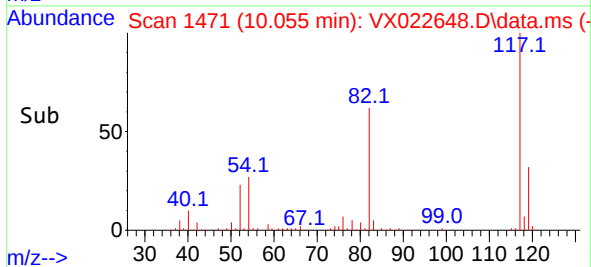
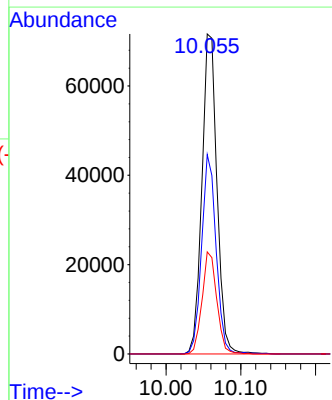
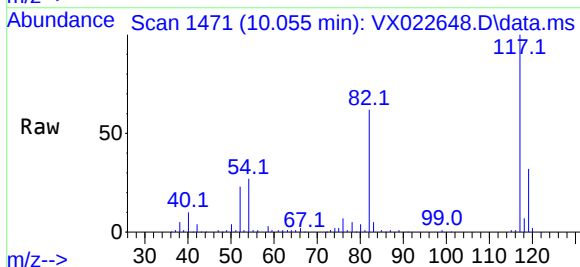
Instrument :  
MSVOA\_X  
ClientSampleId :  
PDB-BLANK-20210608

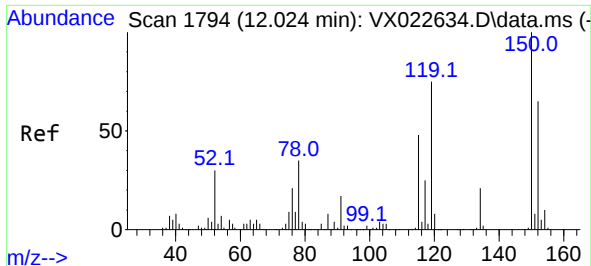
Tgt Ion: 95 Resp: 47778  
Ion Ratio Lower Upper  
95 100  
174 63.2 0.0 154.6  
176 60.1 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Tgt Ion: 117 Resp: 100303  
Ion Ratio Lower Upper  
117 100  
82 62.3 47.4 71.2  
119 31.9 26.6 39.8

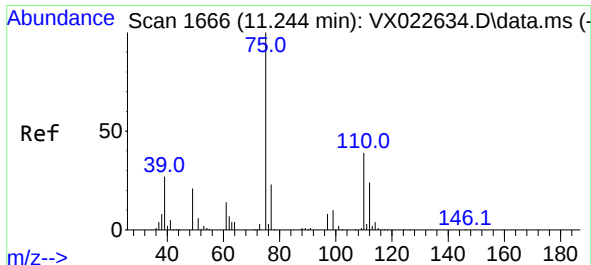
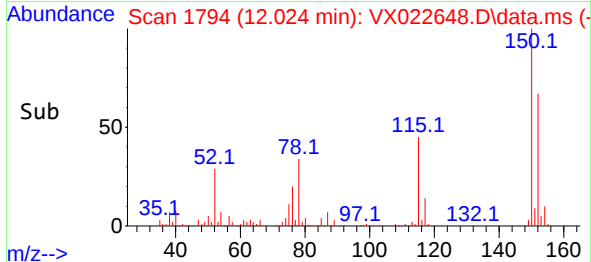
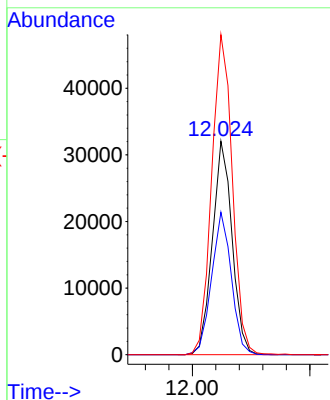
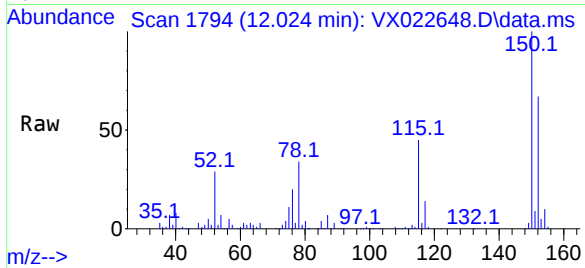




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

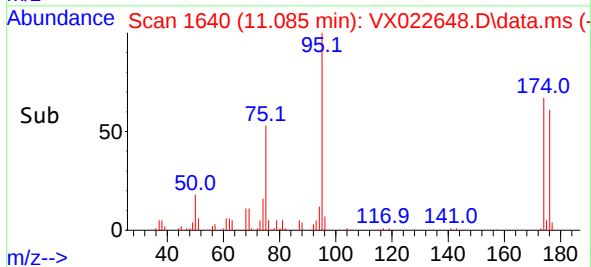
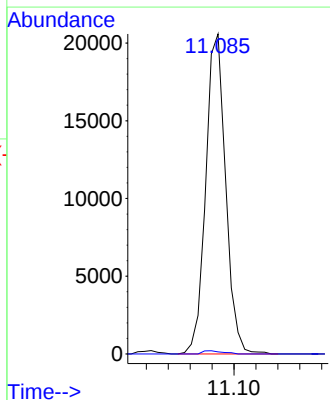
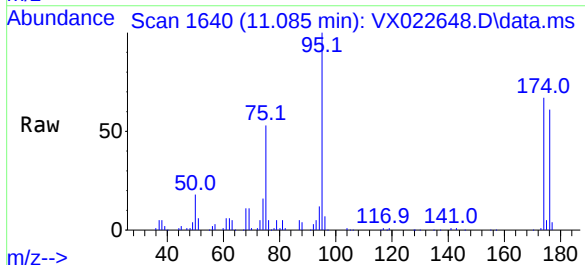
Instrument :  
MSVOA\_X  
ClientSampleId :  
PDB-BLANK-20210608

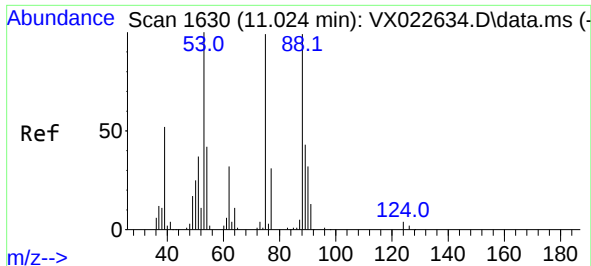
Tgt Ion:152 Resp: 37387  
Ion Ratio Lower Upper  
152 100  
115 66.7 41.1 123.3  
150 156.9 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 26.177 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Tgt Ion: 75 Resp: 25949  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#

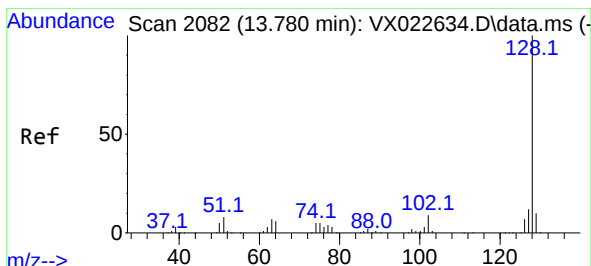
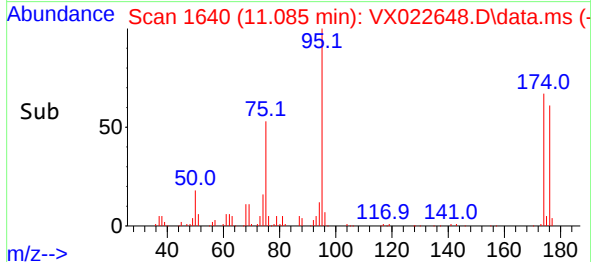
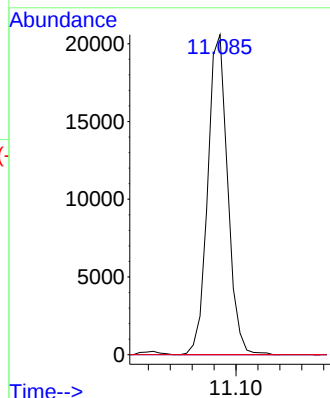
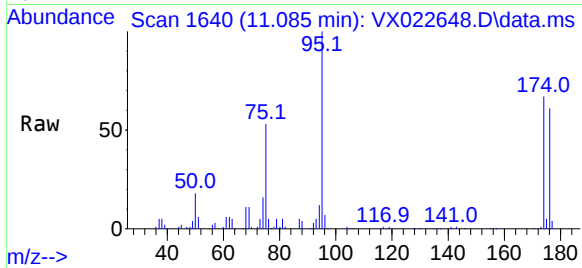




#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.629 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
PDB-BLANK-20210608

Tgt Ion: 75 Resp: 25949  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 1.525 ug/l  
RT: 13.792 min Scan# 2084  
Delta R.T. 0.012 min  
Lab File: VX022648.D  
Acq: 10 Jun 2021 16:54

Tgt Ion: 128 Resp: 166  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

