

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082722\  
 Data File : VX030868.D  
 Acq On : 27 Aug 2022 14:18  
 Operator : JC/MD  
 Sample : N4373-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB05-20220824

Quant Time: Aug 29 01:09:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X082522W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 26 02:03:28 2022  
 Response via : Initial Calibration

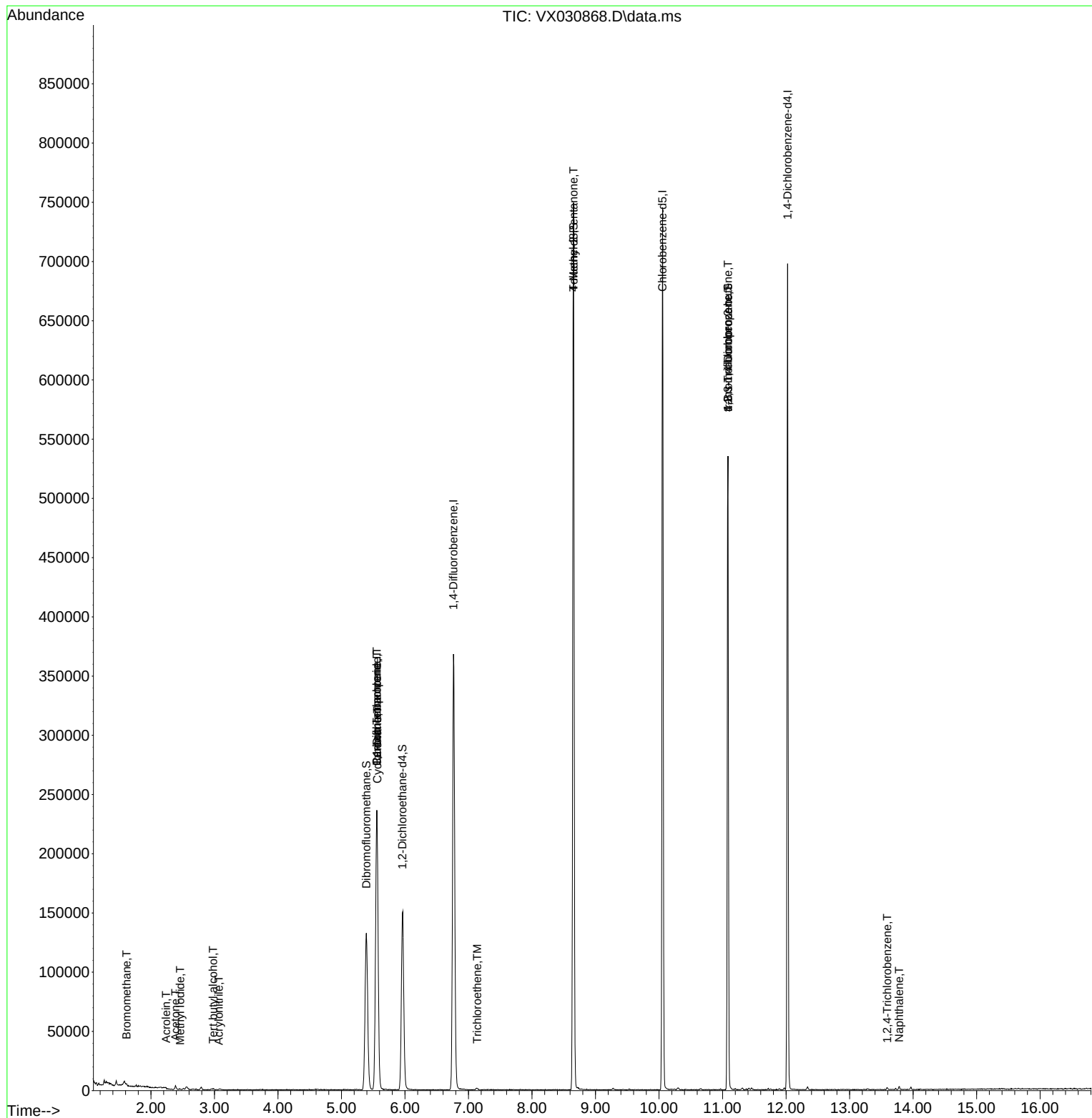
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 218131              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 371690              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 329113              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 137179              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 144487              | 56.313    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 112.620% |           |        |          |
| 35) Dibromofluoromethane      | 5.391          | 113  | 118145              | 51.719    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 103.440% |           |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 437655              | 54.981    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 109.960% |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 144804              | 48.861    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 97.720%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 3) Chloromethane              | 1.294          | 50   | 514                 | Below Cal | #      | 83       |
| 5) Bromomethane               | 1.618          | 94   | 475                 | 0.467     | ug/l # | 69       |
| 6) Chloroethane               | 1.697          | 64   | 443                 | Below Cal | #      | 41       |
| 10) Methyl Iodide             | 2.459          | 142  | 507                 | 4.292     | ug/l # | 90       |
| 11) Tert butyl alcohol        | 2.977          | 59   | 747                 | 1.341     | ug/l # | 74       |
| 13) Acrolein                  | 2.239          | 56   | 119                 | 10.284    | ug/l # | 14       |
| 15) Acrylonitrile             | 3.069          | 53   | 290                 | 0.212     | ug/l # | 74       |
| 16) Acetone                   | 2.386          | 43   | 2870                | 2.421     | ug/l   | 98       |
| 17) Carbon Disulfide          | 2.514          | 76   | 1164                | Below Cal | #      | 74       |
| 20) Methylene Chloride        | 2.788          | 84   | 829                 | Below Cal | #      | 93       |
| 31) Cyclohexane               | 5.562          | 56   | 4635                | 1.413     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 17351               | 5.578     | ug/l # | 43       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 22023               | 6.712     | ug/l # | 17       |
| 44) Trichloroethene           | 7.135          | 130  | 551                 | 0.205     | ug/l   | 87       |
| 51) 4-Methyl-2-Pentanone      | 8.653          | 43   | 1862                | 0.497     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 73351               | 24.406    | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 73351               | 78.745    | ug/l # | 13       |
| 93) 1,2,4-Trichlorobenzene    | 13.591         | 180  | 719                 | 0.256     | ug/l   | 88       |
| 95) Naphthalene               | 13.780         | 128  | 2248                | 0.230     | ug/l   | 97       |
| -----                         |                |      |                     |           |        |          |

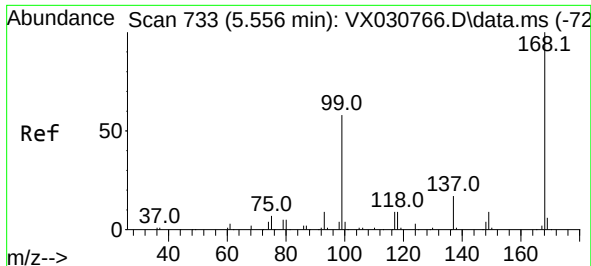
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Aug 26 02:03:28 2022  
Response via : Initial Calibration

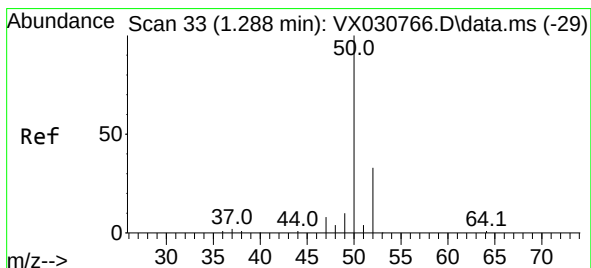
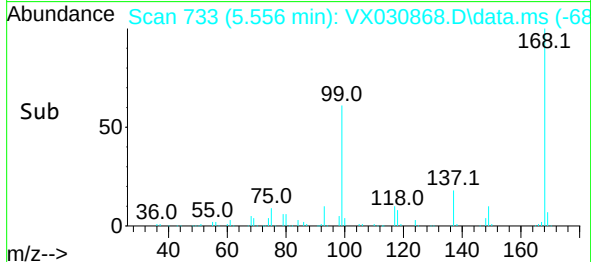
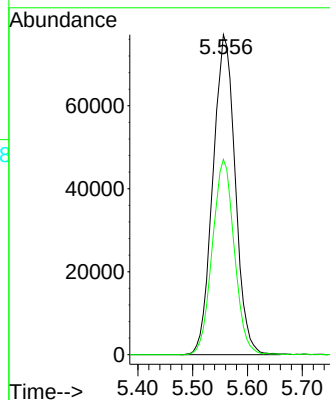
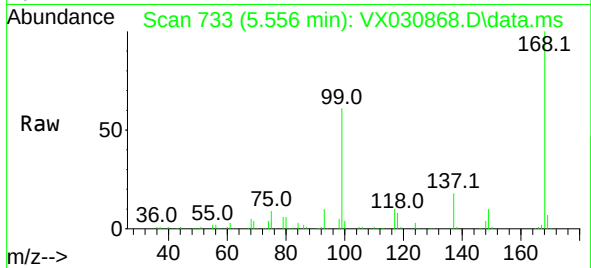




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

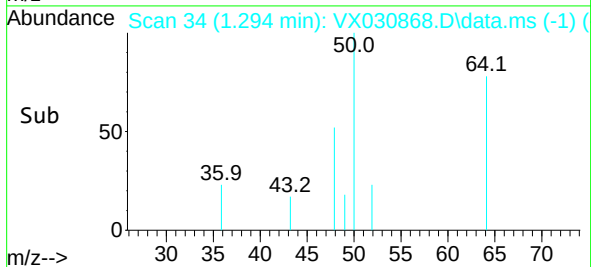
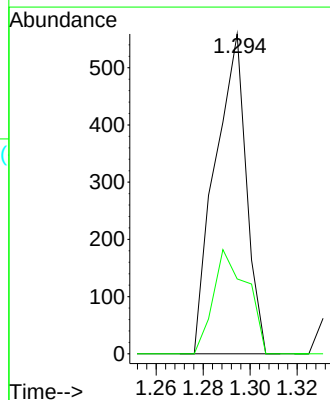
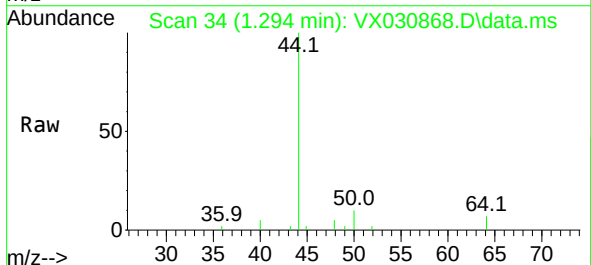
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20220824

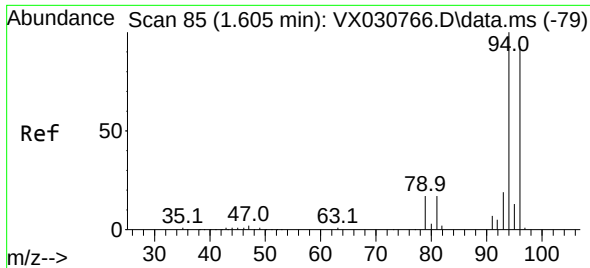
Tgt Ion:168 Resp: 218131  
Ion Ratio Lower Upper  
168 100  
99 61.0 44.0 66.0



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.294 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

Tgt Ion: 50 Resp: 514  
Ion Ratio Lower Upper  
50 100  
52 23.4 26.3 39.5#

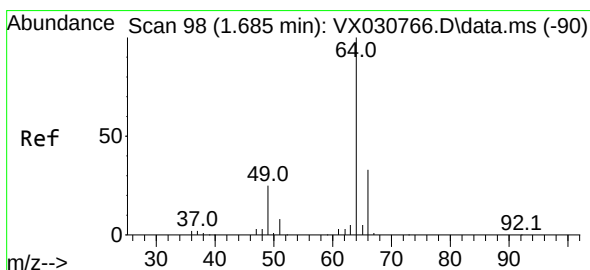
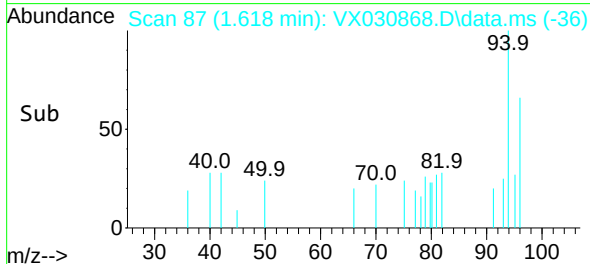
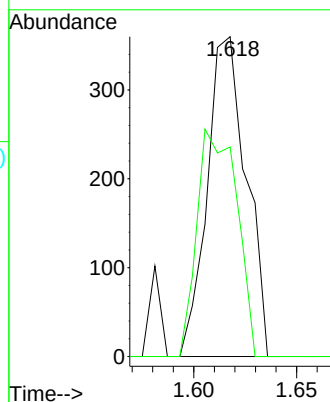
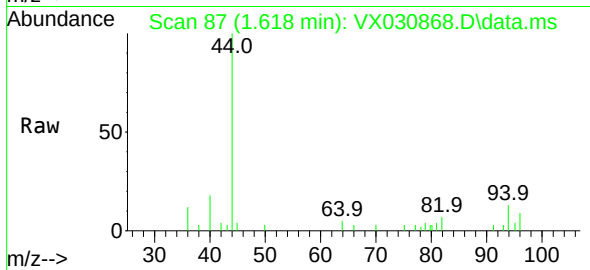




#5  
Bromomethane  
Concen: 0.467 ug/l  
RT: 1.618 min Scan# 81  
Delta R.T. 0.012 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

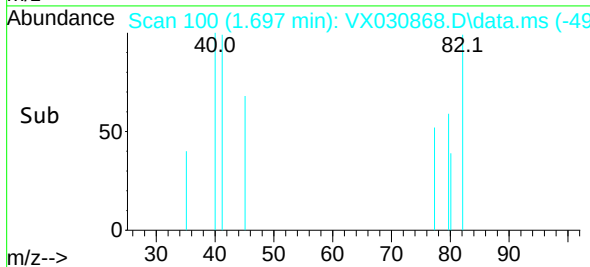
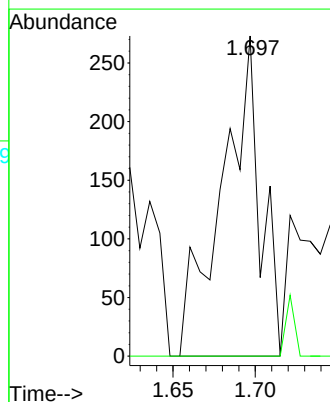
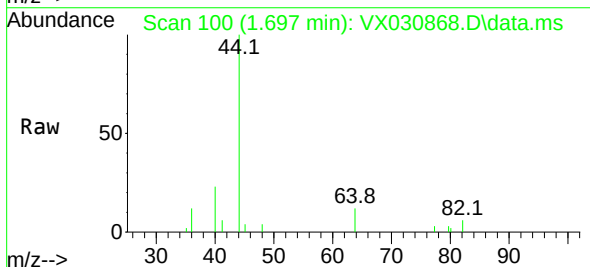
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20220824

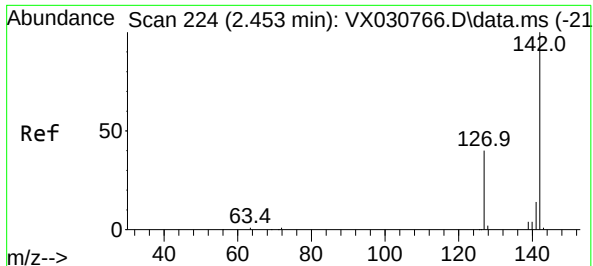
Tgt Ion: 94 Resp: 475  
Ion Ratio Lower Upper  
94 100  
96 65.6 76.9 115.3#



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.697 min Scan# 100  
Delta R.T. 0.012 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

Tgt Ion: 64 Resp: 443  
Ion Ratio Lower Upper  
64 100  
66 0.0 27.2 40.8#

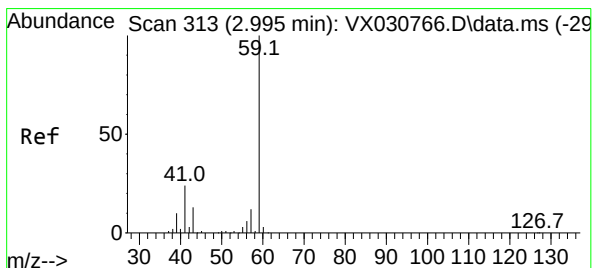
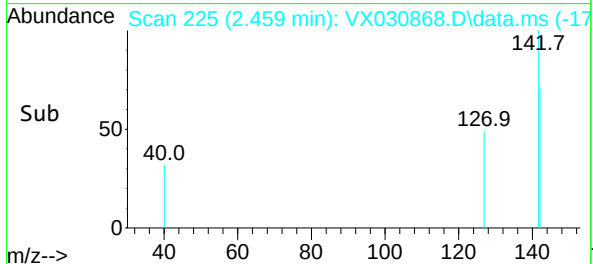
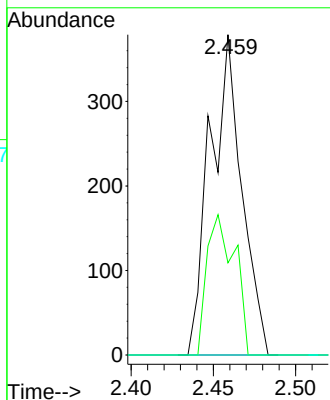
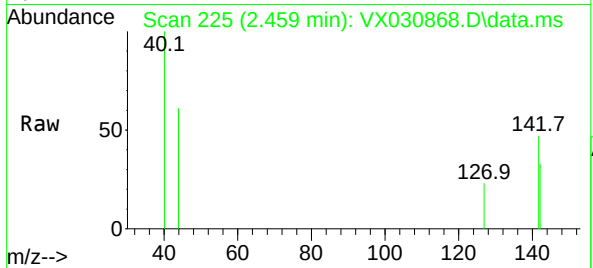




#10  
Methyl Iodide  
Concen: 4.292 ug/l  
RT: 2.459 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

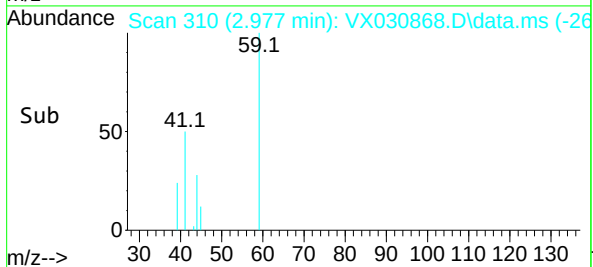
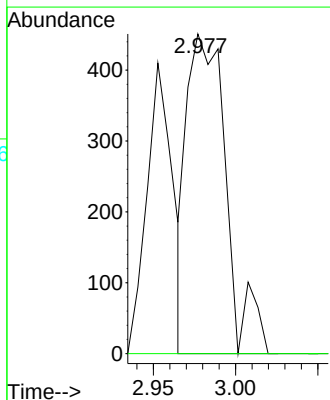
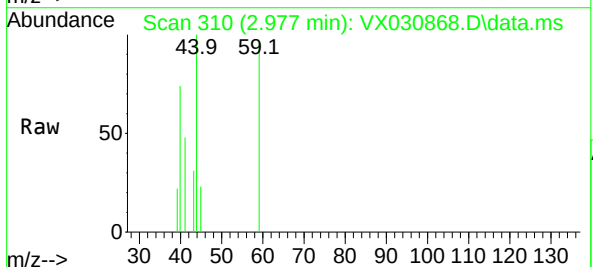
Instrument :  
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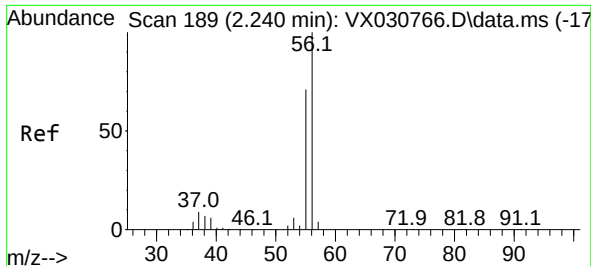
Tgt Ion:142 Resp: 507  
Ion Ratio Lower Upper  
142 100  
127 38.5 30.2 45.2  
141 0.0 11.3 16.9#



#11  
Tert butyl alcohol  
Concen: 1.341 ug/l  
RT: 2.977 min Scan# 310  
Delta R.T. -0.018 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

Tgt Ion: 59 Resp: 747  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

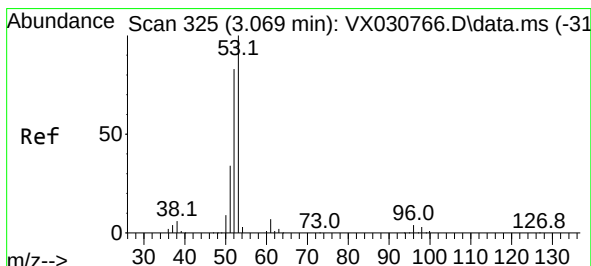
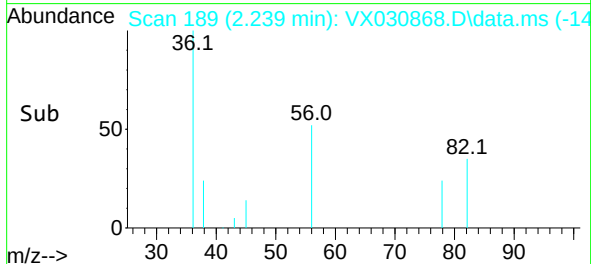
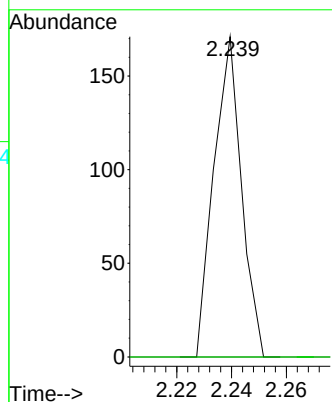
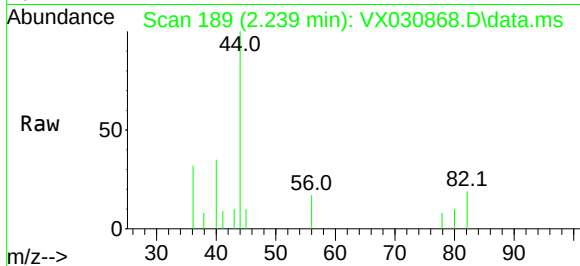




#13  
Acrolein  
Concen: 10.284 ug/l  
RT: 2.239 min Scan# 119  
Delta R.T. -0.001 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

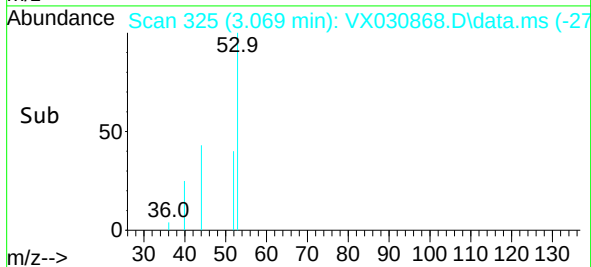
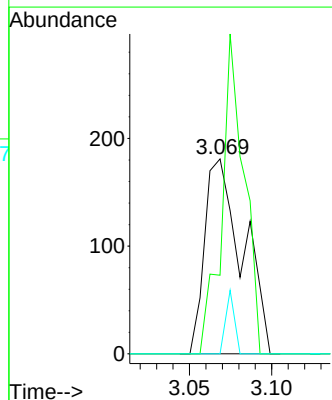
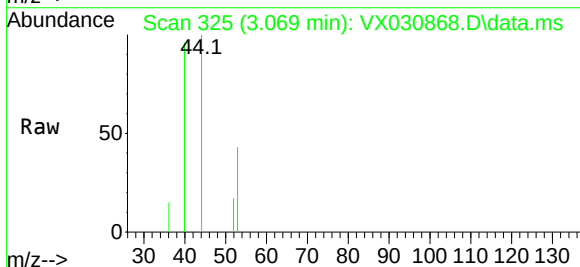
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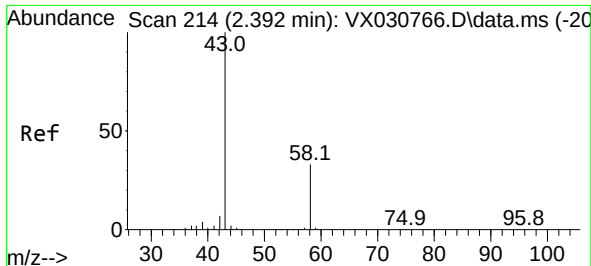
Tgt Ion: 56 Resp: 119  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.6 84.8#



#15  
Acrylonitrile  
Concen: 0.212 ug/l  
RT: 3.069 min Scan# 325  
Delta R.T. -0.000 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

Tgt Ion: 53 Resp: 290  
Ion Ratio Lower Upper  
53 100  
52 96.9 65.4 98.0  
51 7.6 27.7 41.5#

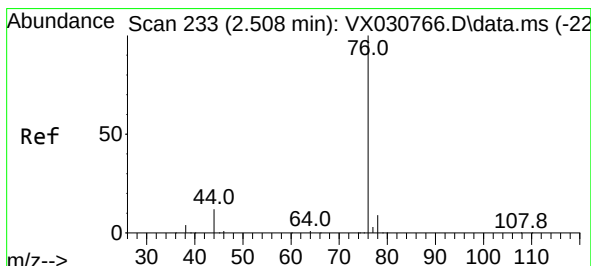
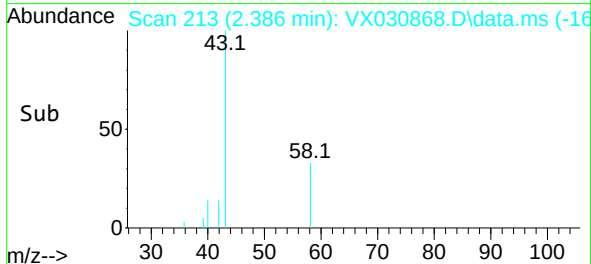
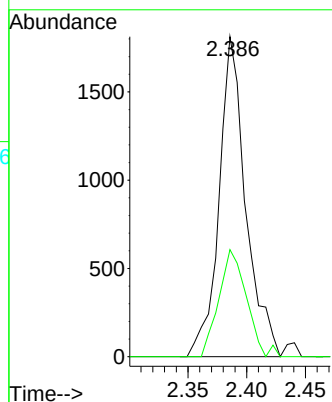
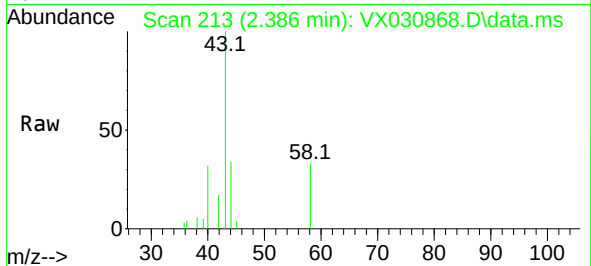




#16  
Acetone  
Concen: 2.421 ug/l  
RT: 2.386 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

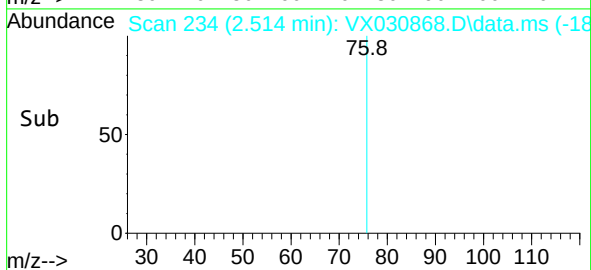
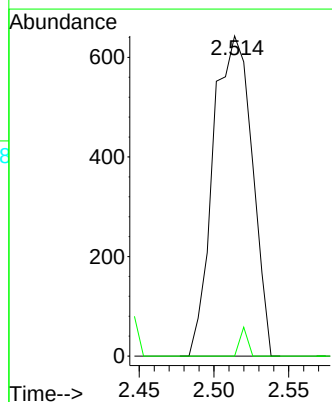
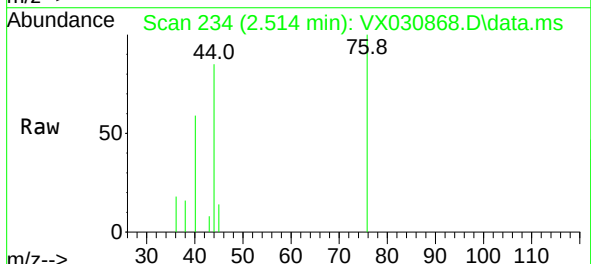
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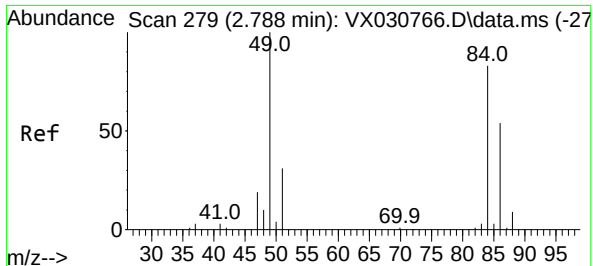
Tgt Ion: 43 Resp: 2870  
Ion Ratio Lower Upper  
43 100  
58 33.5 27.7 41.5



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 2.514 min Scan# 234  
Delta R.T. 0.006 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

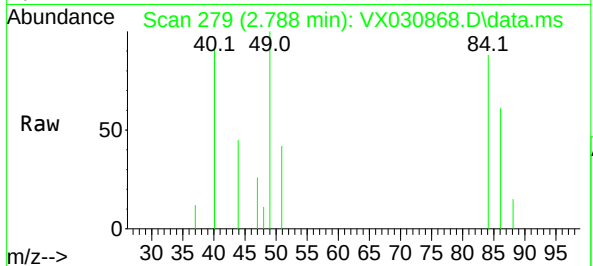
Tgt Ion: 76 Resp: 1164  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.8 11.6#



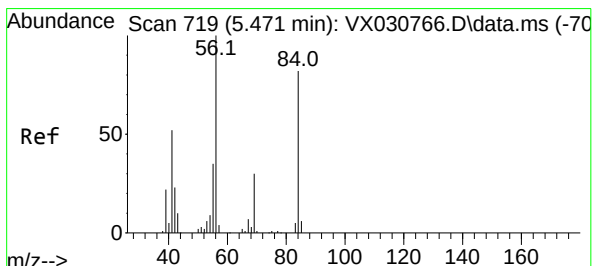
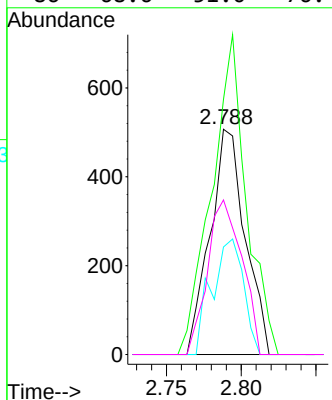


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.788 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

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MSVOA\_X  
ClientSampleId :  
TB05-20220824

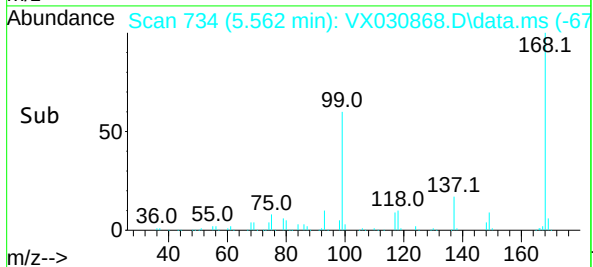
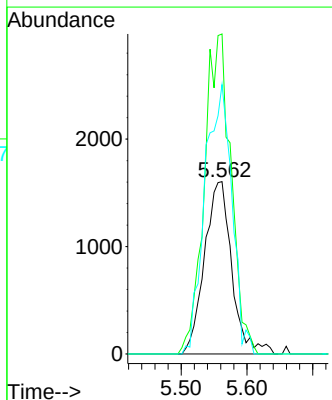
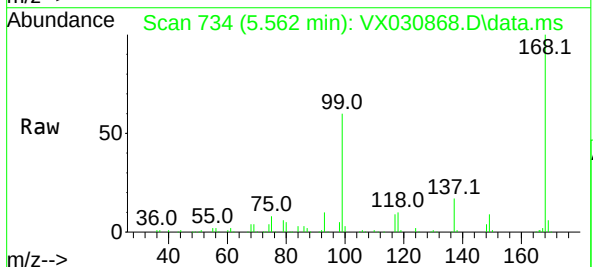


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 829   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.2 | 93.8  | 140.6 |
| 51       | 47.7  | 29.4  | 44.0# |
| 86       | 68.6  | 51.0  | 76.4  |

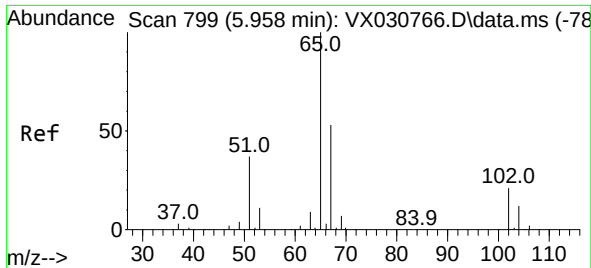


#31  
Cyclohexane  
Concen: 1.413 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.091 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4635   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 185.7 | 25.4  | 38.0#  |
| 84       | 156.4 | 68.9  | 103.3# |



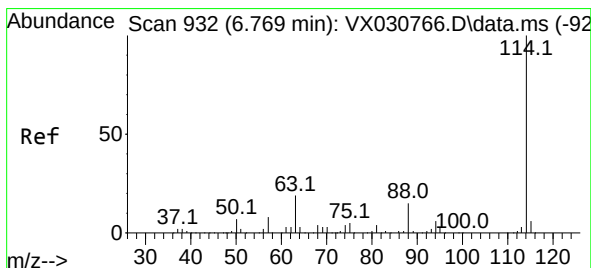
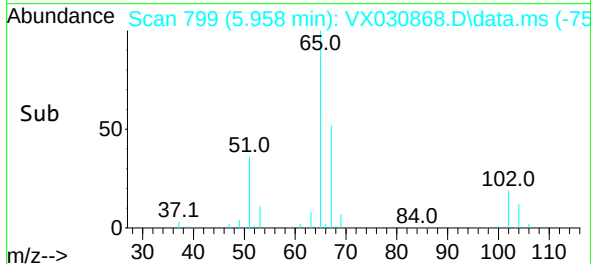
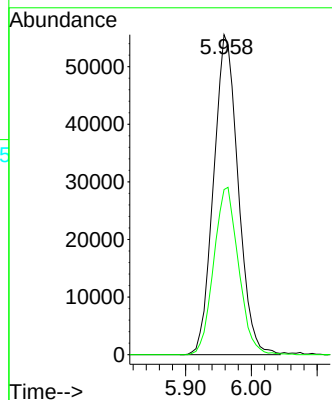
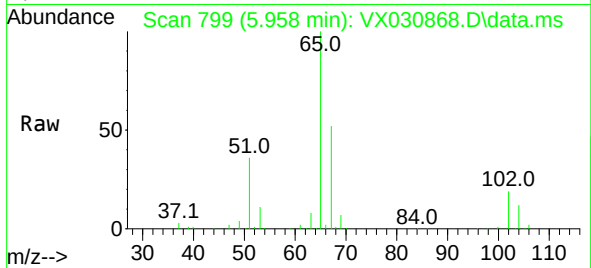




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.313 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX030868.D  
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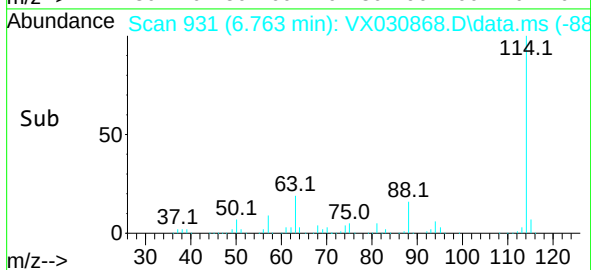
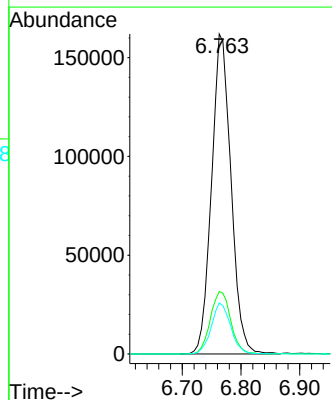
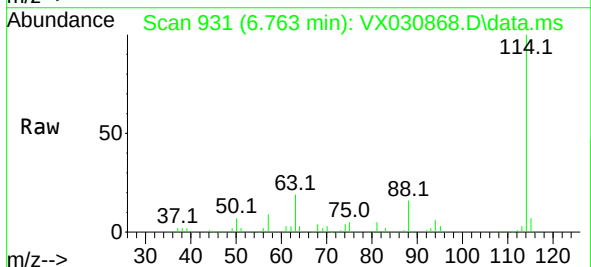
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB05-20220824

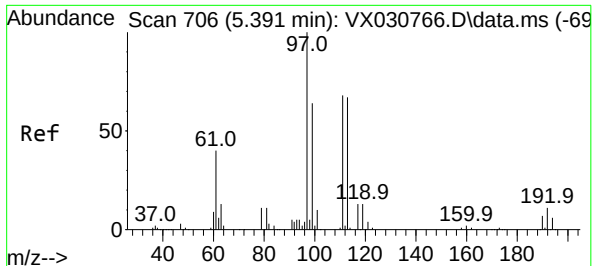
Tgt Ion: 65 Resp: 144487  
 Ion Ratio Lower Upper  
 65 100  
 67 52.9 0.0 109.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.006 min  
 Lab File: VX030868.D  
 Acq: 27 Aug 2022 14:18

Tgt Ion: 114 Resp: 371690  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 38.4  
 88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.719 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030868.D

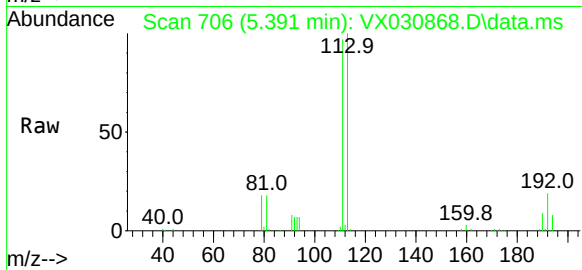
Acq: 27 Aug 2022 14:18

Instrument :

MSVOA\_X

ClientSampleId :

TB05-20220824



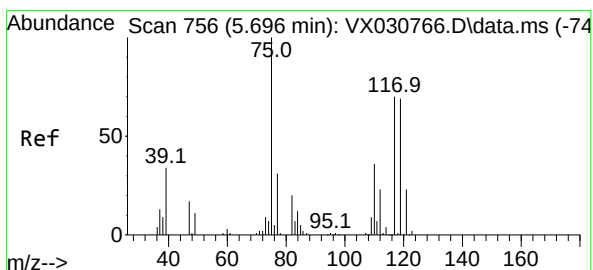
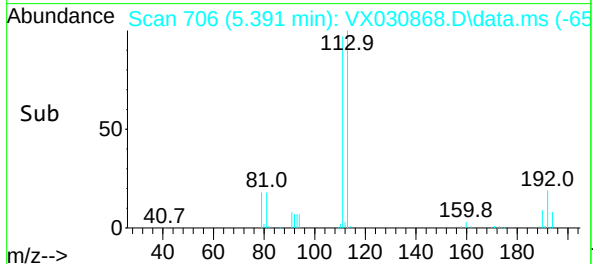
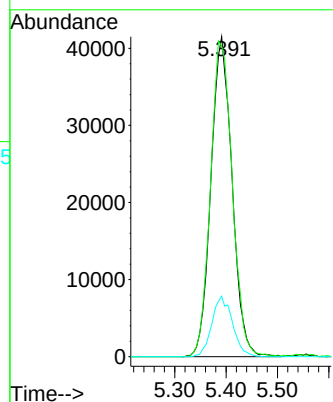
Tgt Ion:113 Resp: 118145

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

192 18.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.578 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030868.D

Acq: 27 Aug 2022 14:18

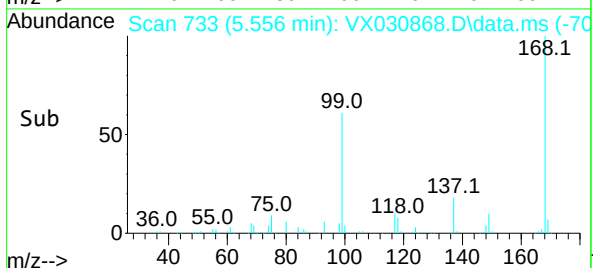
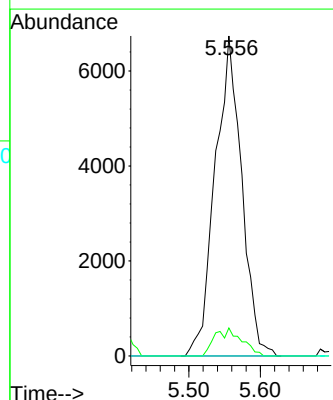
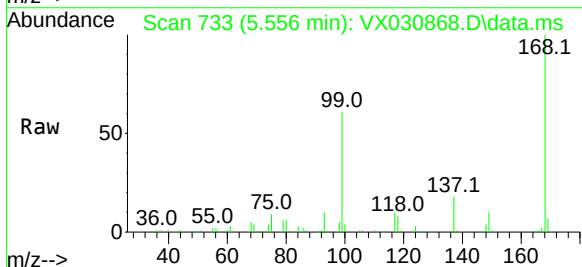
Tgt Ion: 75 Resp: 17351

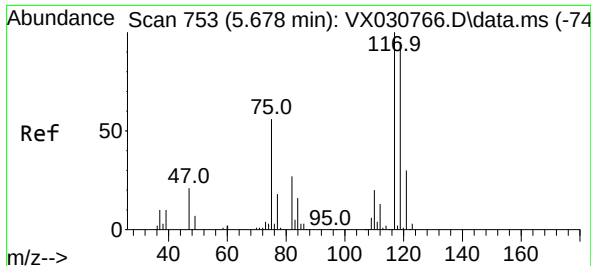
Ion Ratio Lower Upper

75 100

110 3.8 19.3 57.9#

77 0.0 24.4 36.6#

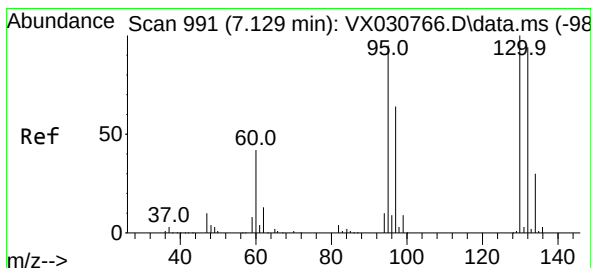
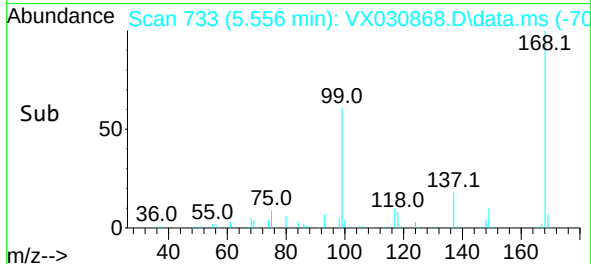
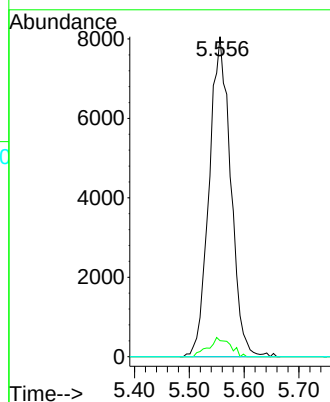
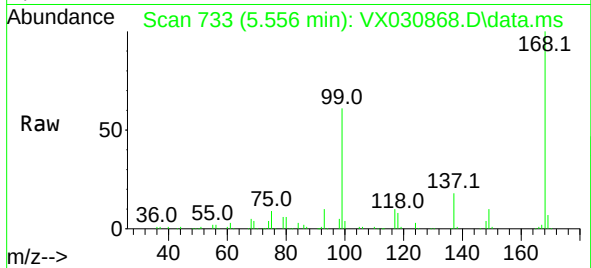




#38  
Carbon Tetrachloride  
Concen: 6.712 ug/l  
RT: 5.556 min Scan# 711  
Delta R.T. -0.122 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

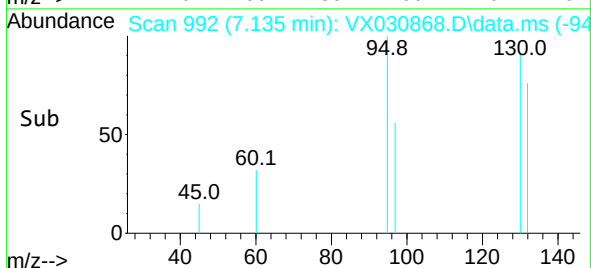
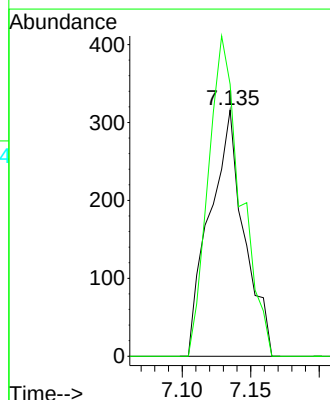
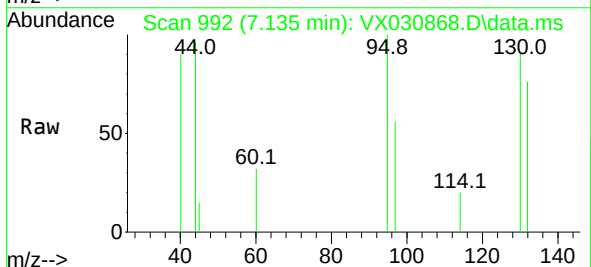
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20220824

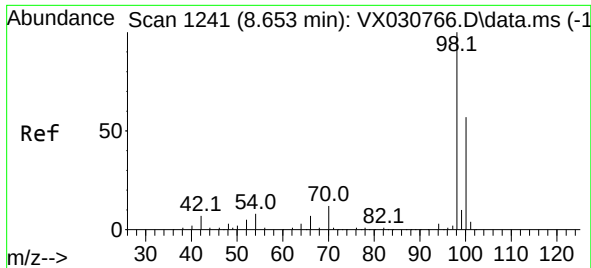
Tgt Ion:117 Resp: 22023  
Ion Ratio Lower Upper  
117 100  
119 5.0 74.1 111.1#  
121 0.0 25.8 38.8#



#44  
Trichloroethene  
Concen: 0.205 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

Tgt Ion:130 Resp: 551  
Ion Ratio Lower Upper  
130 100  
95 110.4 0.0 194.8

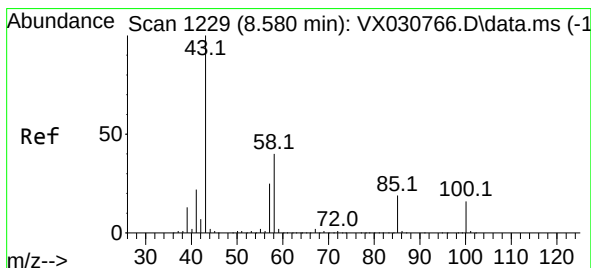
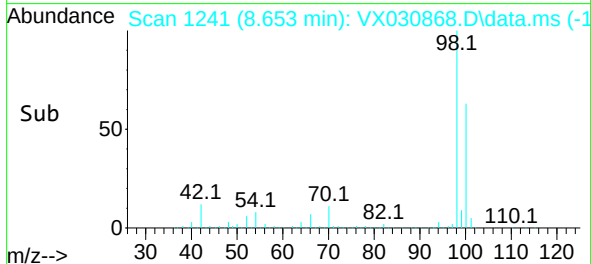
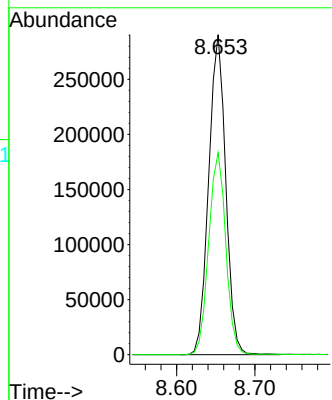
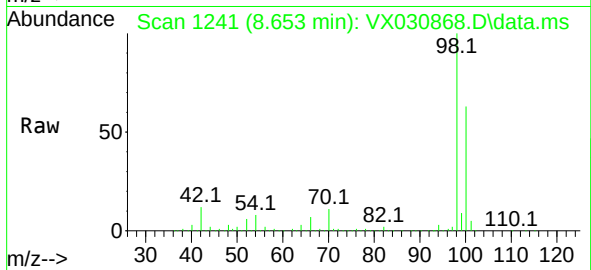




#50  
Toluene-d8  
Concen: 54.981 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

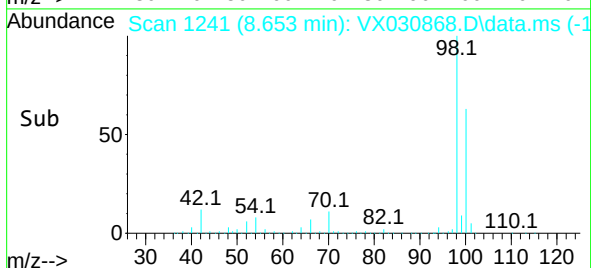
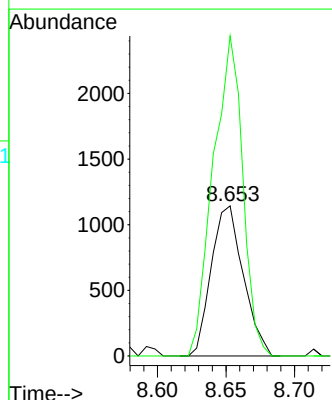
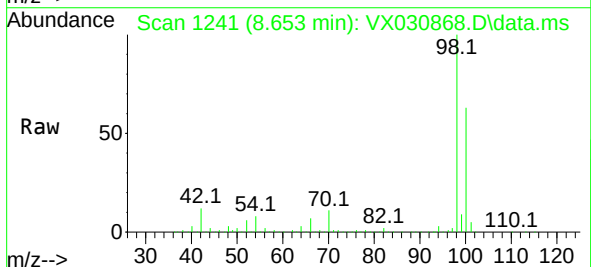
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20220824

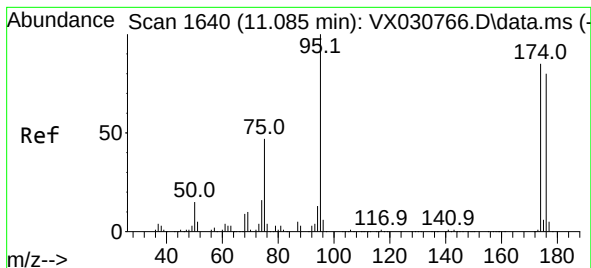
Tgt Ion: 98 Resp: 437655  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.3 78.5



#51  
4-Methyl-2-Pentanone  
Concen: 0.497 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.073 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

Tgt Ion: 43 Resp: 1862  
Ion Ratio Lower Upper  
43 100  
58 196.2 31.4 47.2#

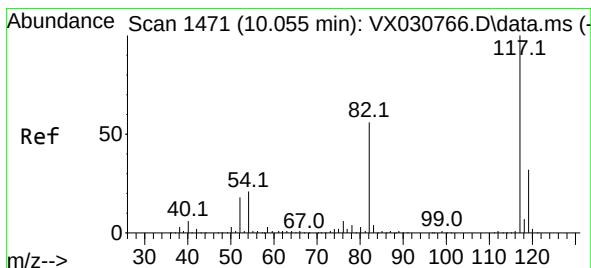
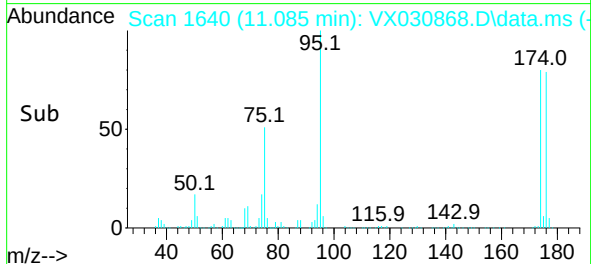
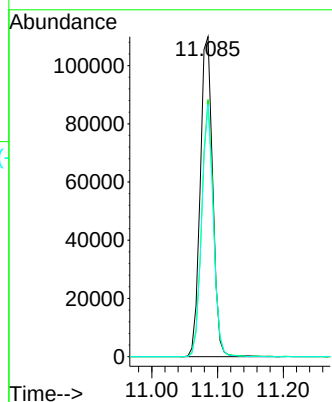
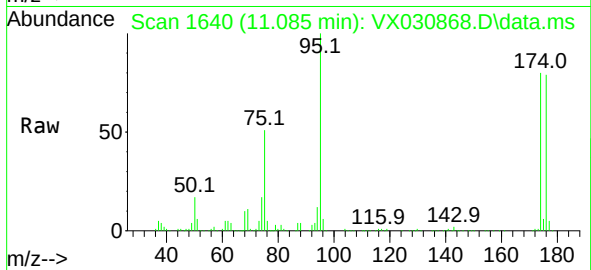




#62  
4-Bromofluorobenzene  
Concen: 48.861 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

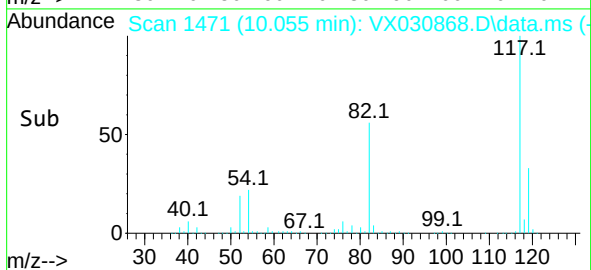
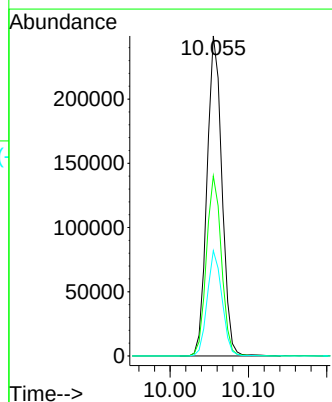
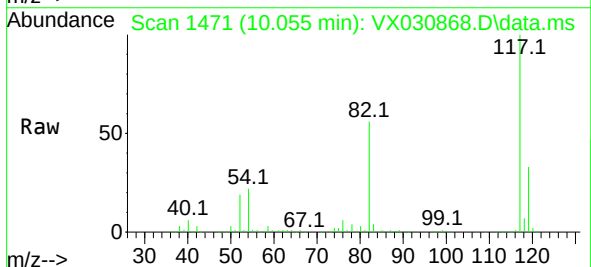
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20220824

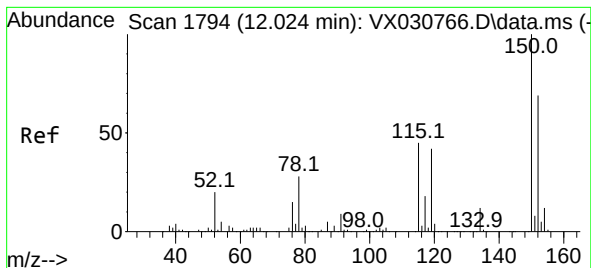
Tgt Ion: 95 Resp: 144804  
Ion Ratio Lower Upper  
95 100  
174 75.8 0.0 149.0  
176 73.8 0.0 146.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

Tgt Ion: 117 Resp: 329113  
Ion Ratio Lower Upper  
117 100  
82 56.3 42.7 64.1  
119 32.9 25.4 38.2

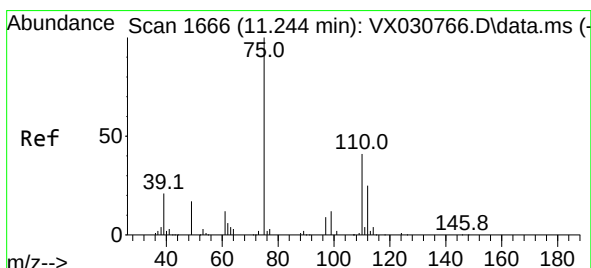
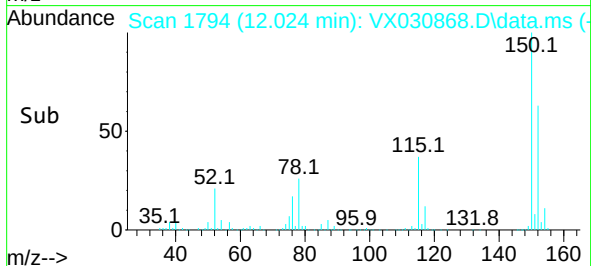
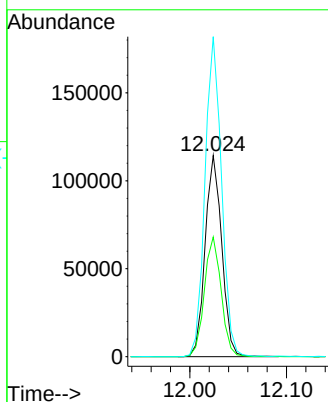
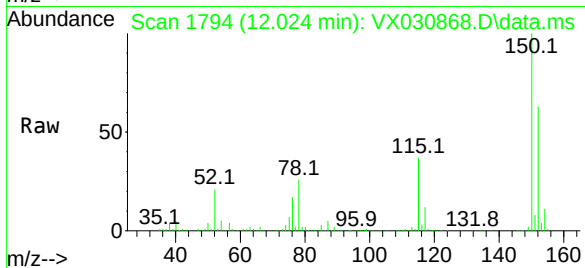




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX030868.D  
 Acq: 27 Aug 2022 14:18

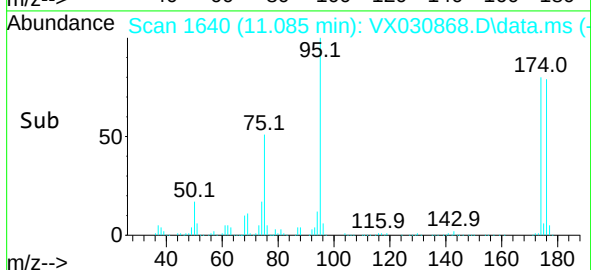
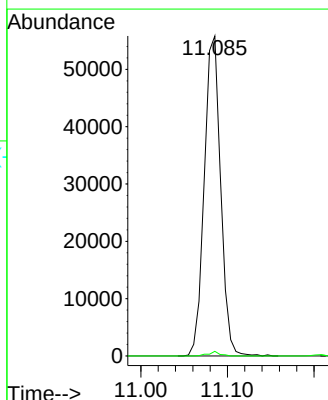
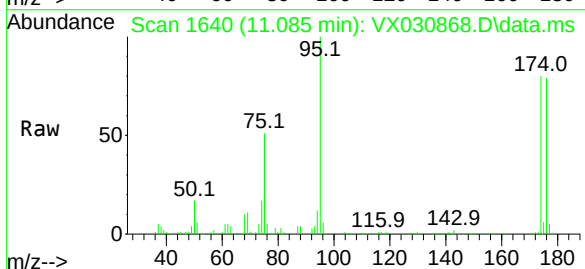
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB05-20220824

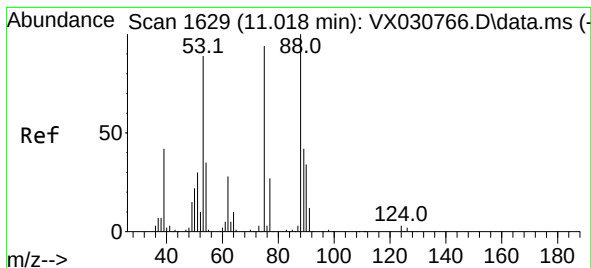
Tgt Ion:152 Resp: 137179  
 Ion Ratio Lower Upper  
 152 100  
 115 59.9 40.5 121.5  
 150 157.9 0.0 347.0



#76  
 1,2,3-Trichloropropane  
 Concen: 24.406 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX030868.D  
 Acq: 27 Aug 2022 14:18

Tgt Ion: 75 Resp: 73351  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 19.8 59.3#

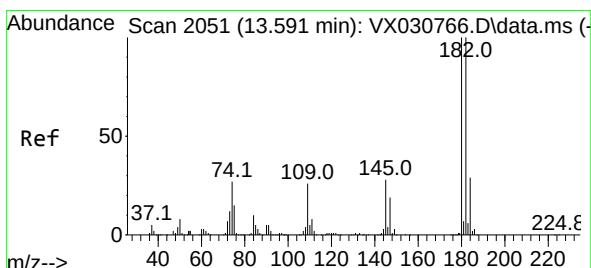
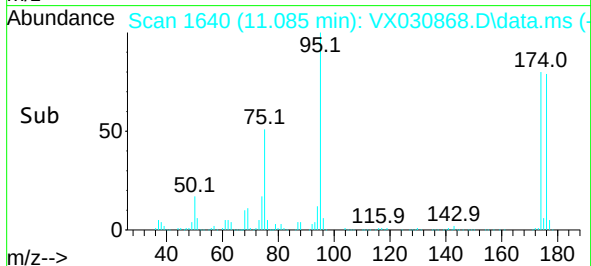
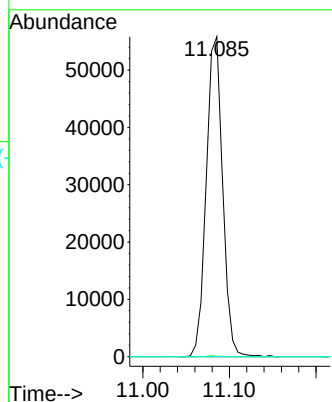
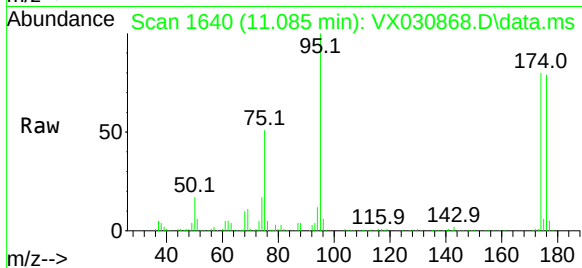




#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.745 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.067 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

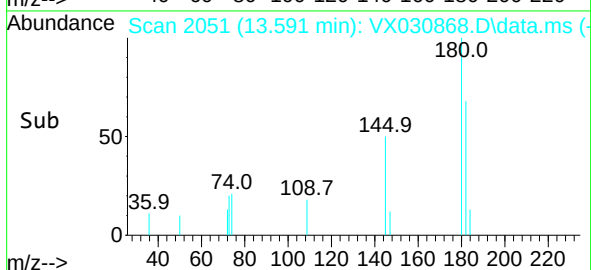
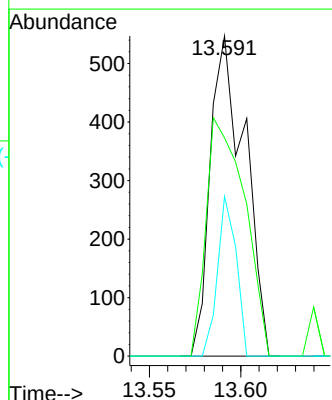
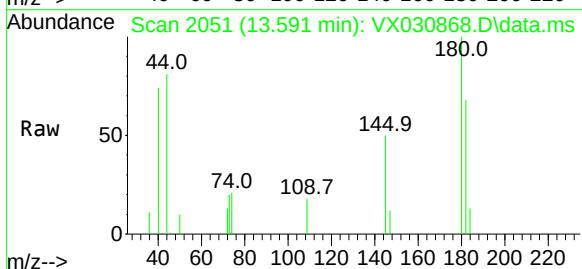
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20220824

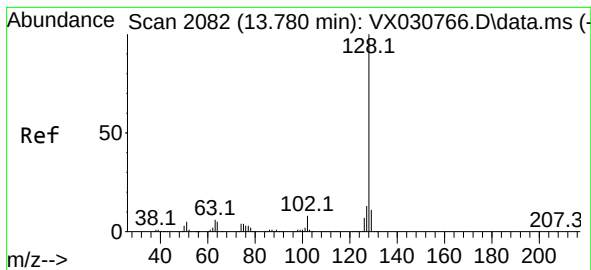
Tgt Ion: 75 Resp: 73351  
Ion Ratio Lower Upper  
75 100  
53 0.2 74.2 111.4#  
89 0.0 34.8 52.2#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.256 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.000 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

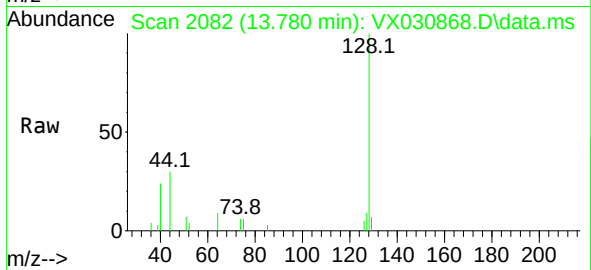
Tgt Ion: 180 Resp: 719  
Ion Ratio Lower Upper  
180 100  
182 83.2 48.2 144.6  
145 27.0 15.9 47.6





#95  
Naphthalene  
Concen: 0.230 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX030868.D  
Acq: 27 Aug 2022 14:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB05-20220824



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 2248  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 11.1  | 10.2  | 15.2  |
| 129      | 10.1  | 8.6   | 13.0  |

