

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062422\  
 Data File : VX029785.D  
 Acq On : 24 Jun 2022 19:03  
 Operator : JC/MD  
 Sample : N3376-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 220615002-01-TRIP-BLANK

Quant Time: Jun 25 02:06:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061822W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 20 01:31:01 2022  
 Response via : Initial Calibration

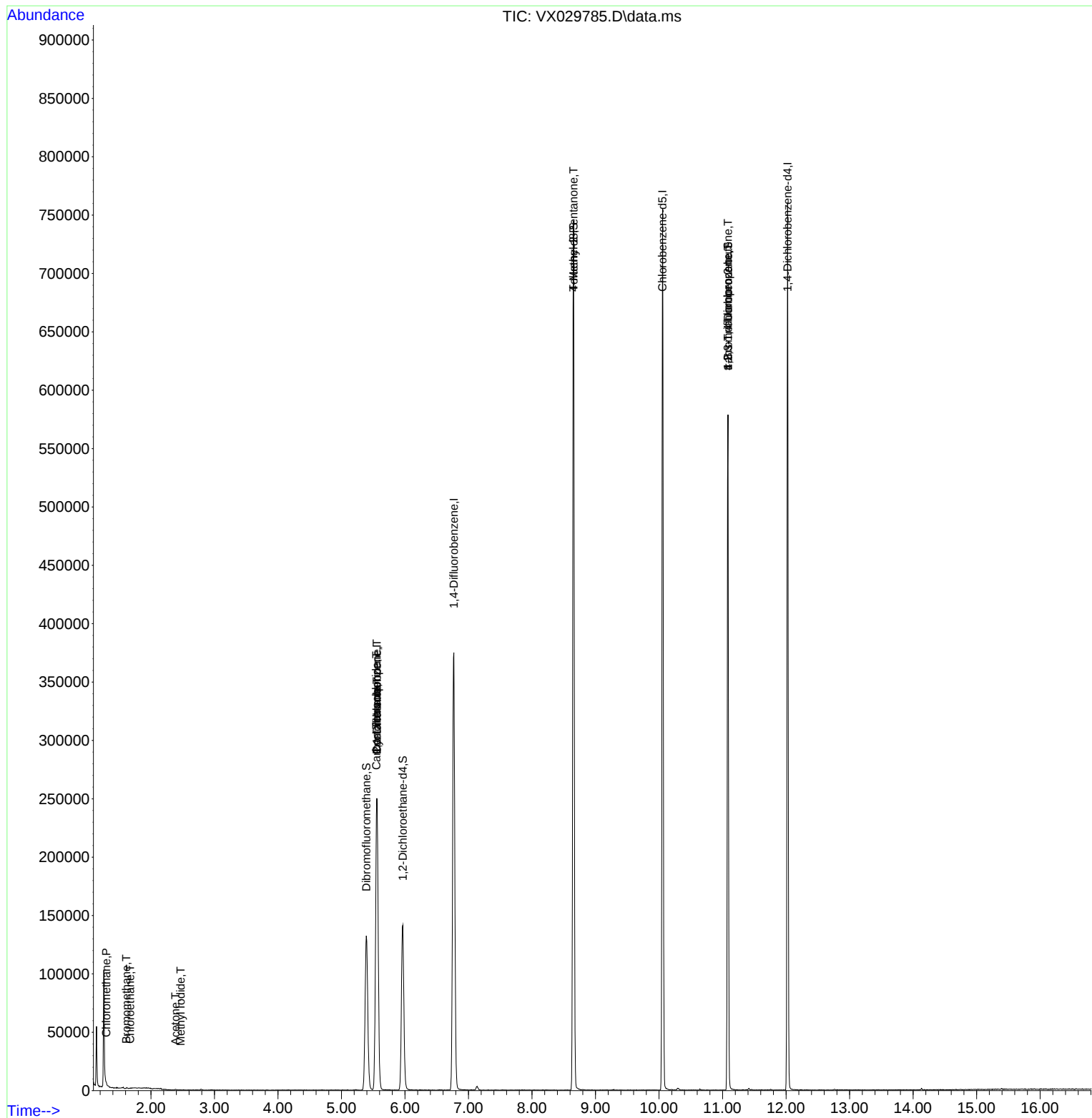
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 246615   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 408150   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 362845   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 158682   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 136934   | 41.946    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 83.900%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 120928   | 45.464    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 90.920%  |
| 50) Toluene-d8                | 8.653  | 98    | 469870   | 48.356    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 96.720%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 164547   | 44.904    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 89.800%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.294  | 50    | 681      | 0.212     | ug/l # | 84       |
| 5) Bromomethane               | 1.611  | 94    | 445      | 0.294     | ug/l # | 54       |
| 6) Chloroethane               | 1.672  | 64    | 196      | 1.375     | ug/l # | 43       |
| 10) Methyl Iodide             | 2.465  | 142   | 192      | 3.079     | ug/l # | 41       |
| 11) Tert butyl alcohol        | 2.965  | 59    | 239      | Below Cal | #      | 72       |
| 16) Acetone                   | 2.386  | 43    | 603      | 0.463     | ug/l # | 66       |
| 31) Cyclohexane               | 5.556  | 56    | 4325     | 0.987     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 17794    | 4.943     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 25021    | 7.068     | ug/l # | 14       |
| 44) Trichloroethene           | 7.135  | 130   | 1429     | Below Cal |        | 100      |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 1619     | 0.438     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 78691    | 22.764    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 78691    | 75.729    | ug/l # | 15       |
| -----                         |        |       |          |           |        |          |

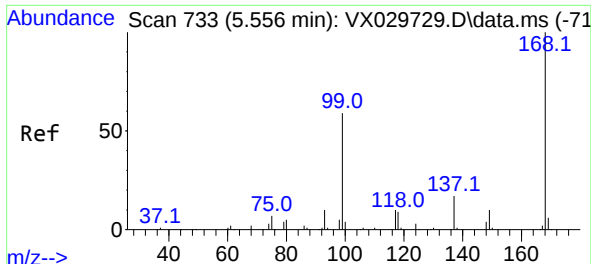
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
220615002-01-TRIP-BLANK

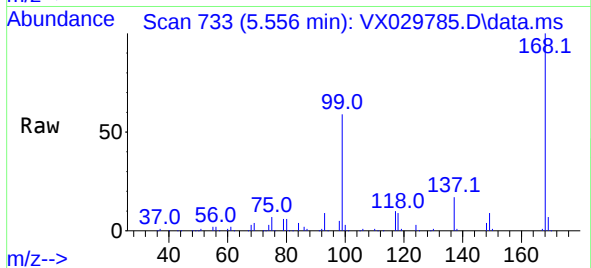
Quant Time: Jun 25 02:06:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061822W.M  
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QLast Update : Mon Jun 20 01:31:01 2022  
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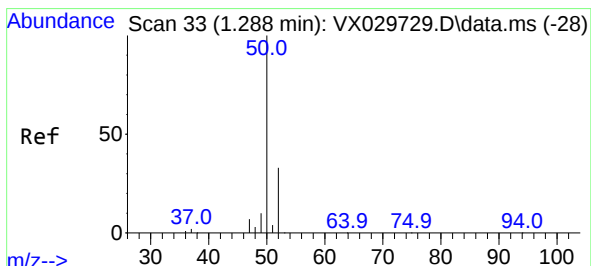
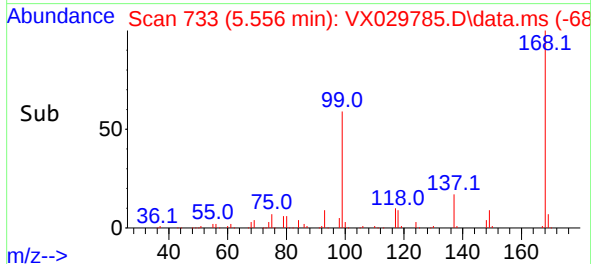
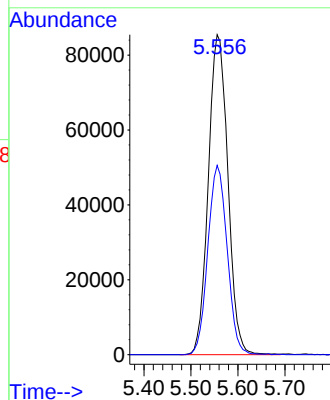


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
220615002-01-TRIP-BLANK

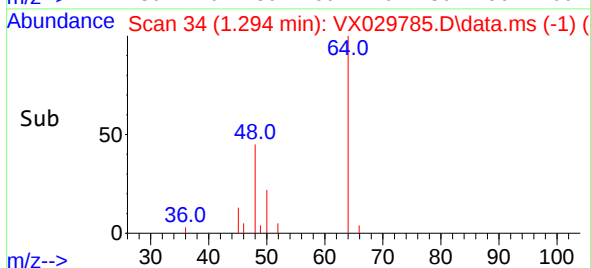
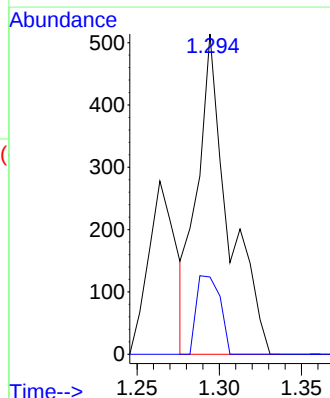
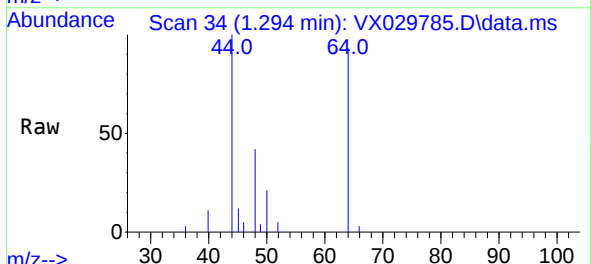


Tgt Ion:168 Resp: 246615  
Ion Ratio Lower Upper  
168 100  
99 59.2 41.7 62.5

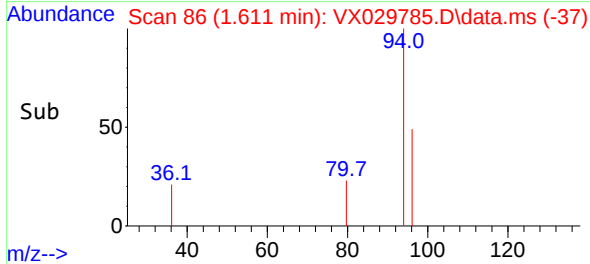
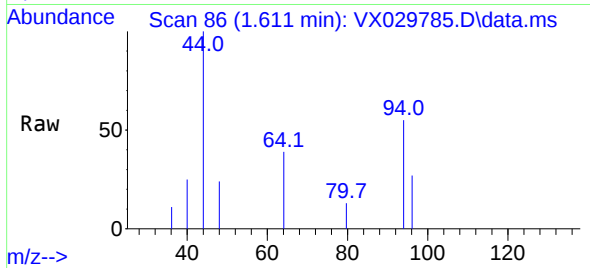
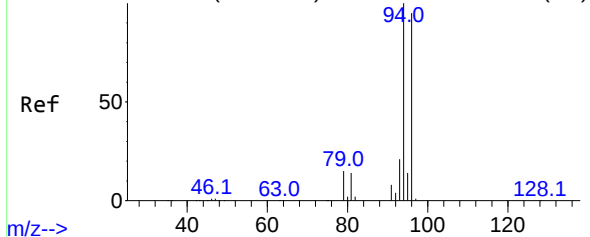


#3  
Chloromethane  
Concen: 0.212 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

Tgt Ion: 50 Resp: 681  
Ion Ratio Lower Upper  
50 100  
52 24.1 26.4 39.6#



Abundance Scan 86 (1.612 min): VX029729.D\data.ms (-81)



#5

Bromomethane

Concen: 0.294 ug/l

RT: 1.611 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX029785.D

Acq: 24 Jun 2022 19:03

Instrument :

MSVOA\_X

ClientSampleId :

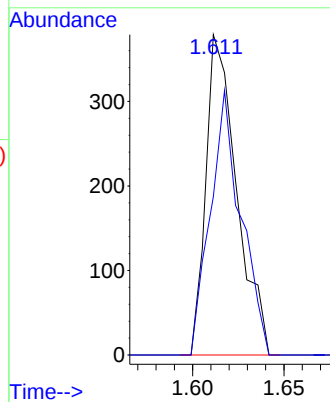
220615002-01-TRIP-BLANK

Tgt Ion: 94 Resp: 445

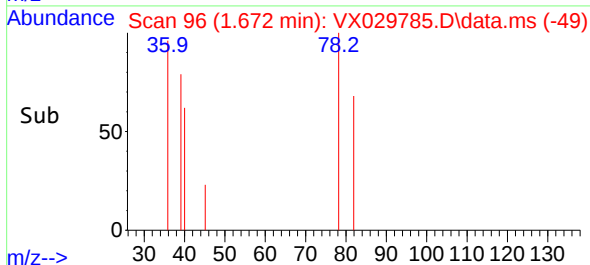
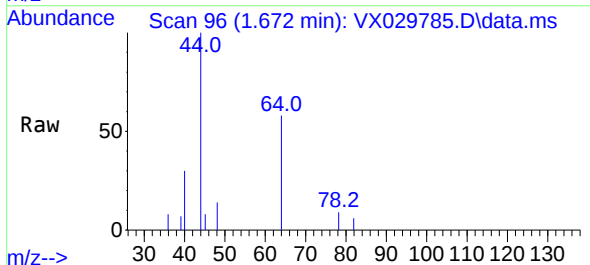
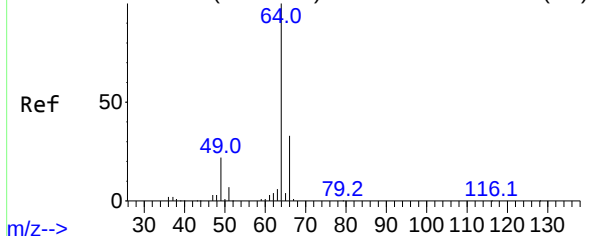
Ion Ratio Lower Upper

94 100

96 49.3 75.3 112.9#



Abundance Scan 98 (1.685 min): VX029729.D\data.ms (-89)



#6

Chloroethane

Concen: 1.375 ug/l

RT: 1.672 min Scan# 96

Delta R.T. -0.013 min

Lab File: VX029785.D

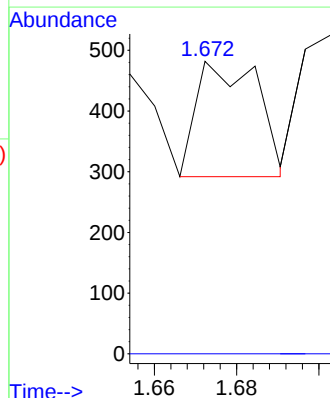
Acq: 24 Jun 2022 19:03

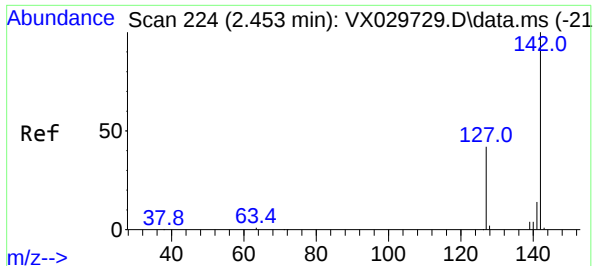
Tgt Ion: 64 Resp: 196

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

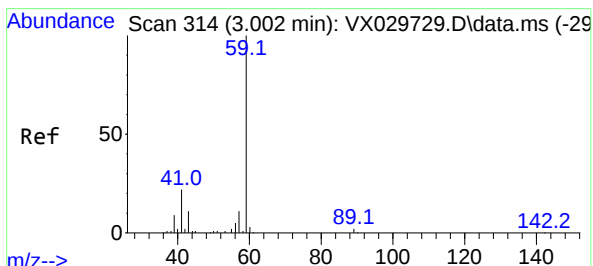
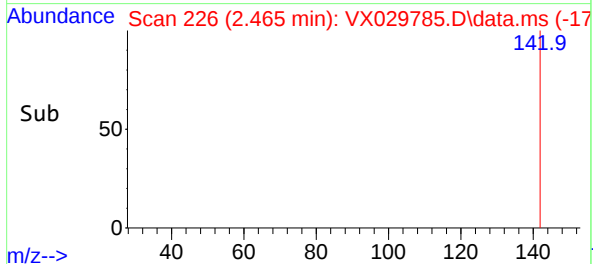
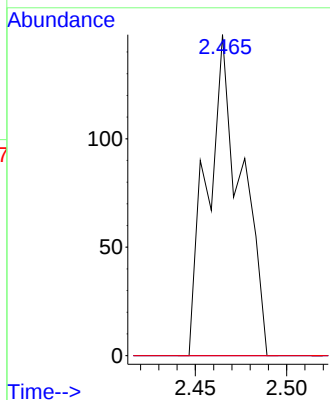
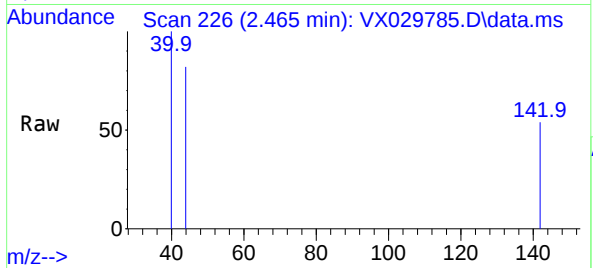




#10  
Methyl Iodide  
Concen: 3.079 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

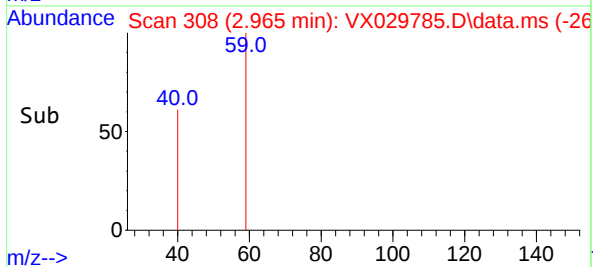
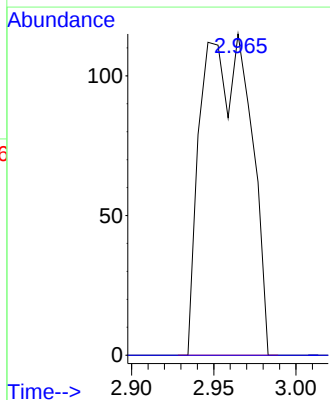
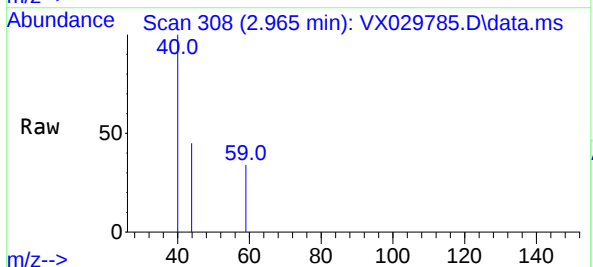
Instrument :  
MSVOA\_X  
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220615002-01-TRIP-BLANK

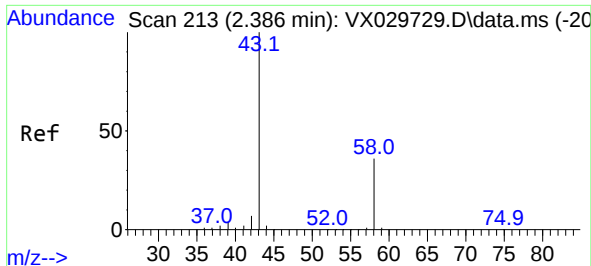
Tgt Ion:142 Resp: 192  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.9 50.9#  
141 0.0 11.4 17.2#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.965 min Scan# 308  
Delta R.T. -0.018 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

Tgt Ion: 59 Resp: 239  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

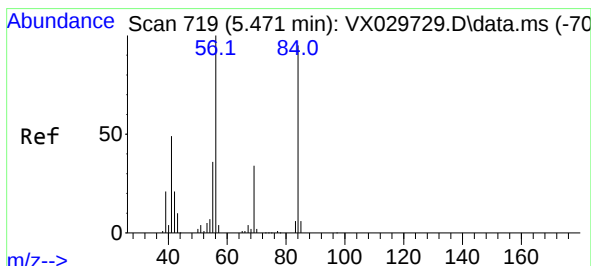
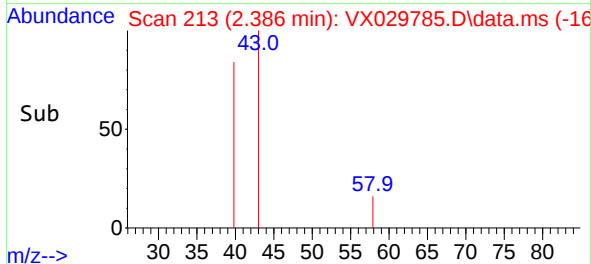
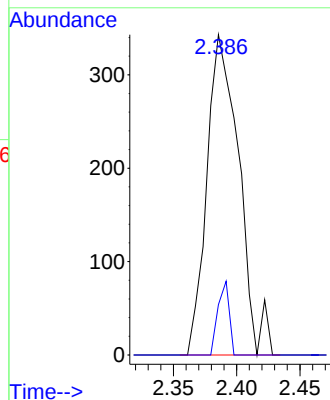
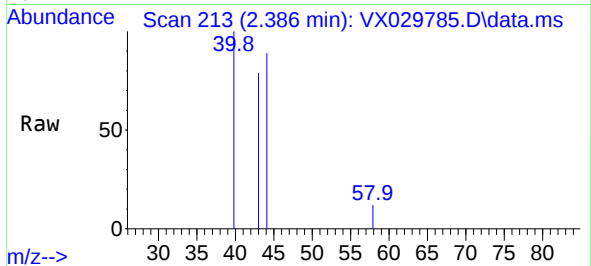




#16  
Acetone  
Concen: 0.463 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

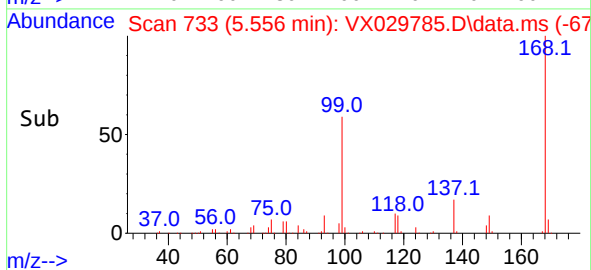
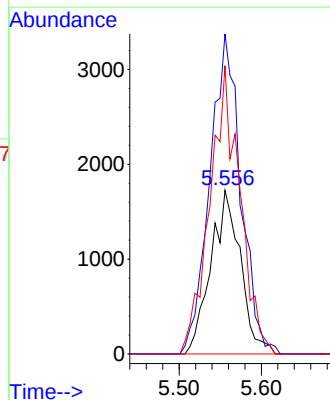
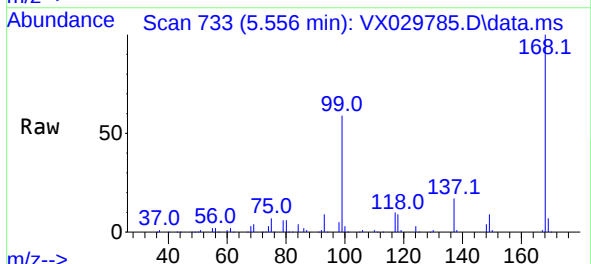
Instrument : MSVOA\_X  
ClientSampleId : 220615002-01-TRIP-BLANK

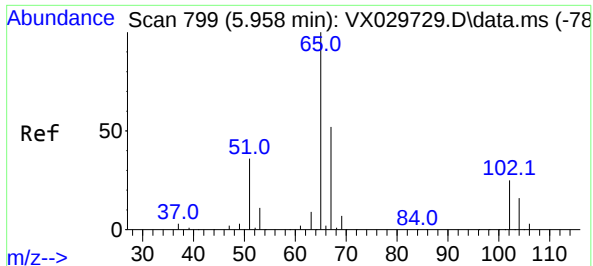
Tgt Ion: 43 Resp: 603  
Ion Ratio Lower Upper  
43 100  
58 15.7 28.8 43.2#



#31  
Cyclohexane  
Concen: 0.987 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

Tgt Ion: 56 Resp: 4325  
Ion Ratio Lower Upper  
56 100  
69 195.7 26.7 40.1#  
84 176.3 77.2 115.8#

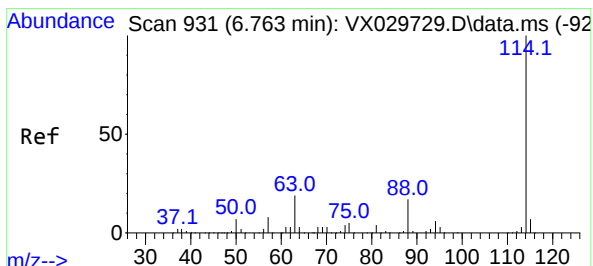
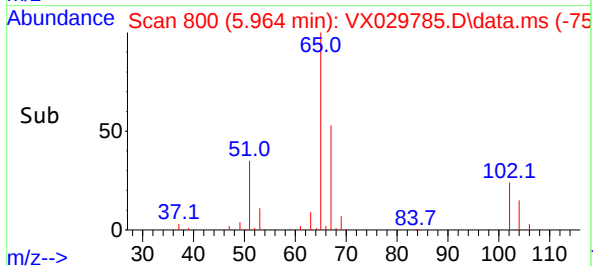
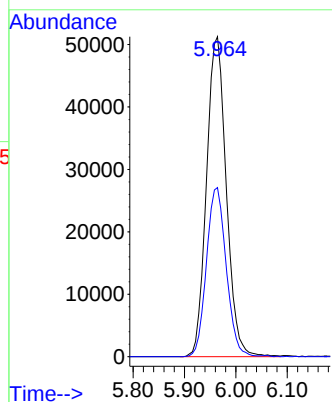
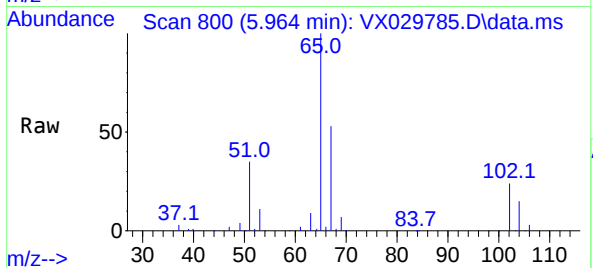




#33  
1,2-Dichloroethane-d4  
Concen: 41.946 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

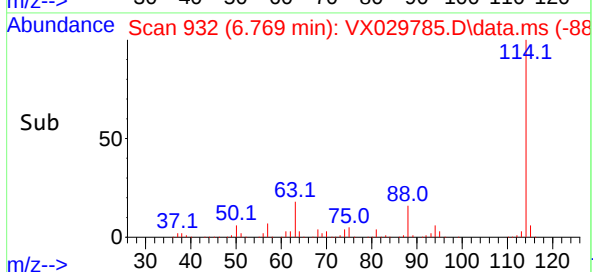
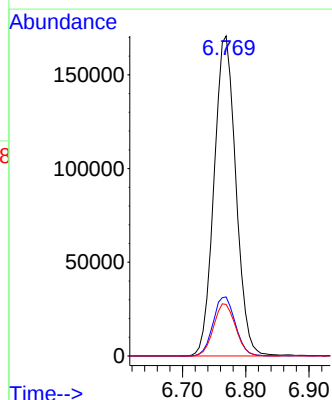
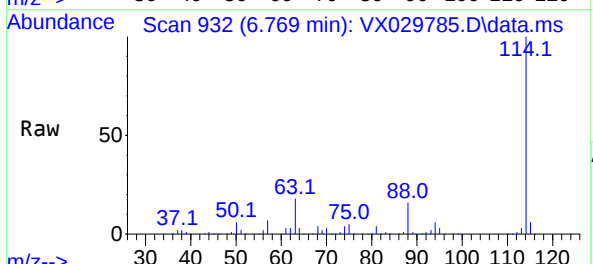
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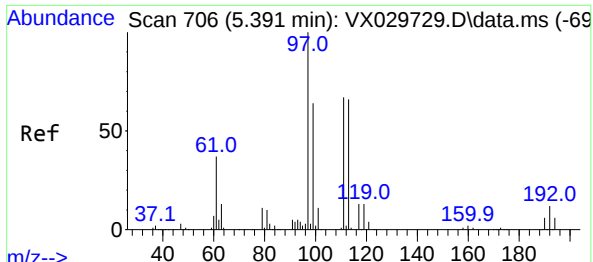
Tgt Ion: 65 Resp: 136934  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 107.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.006 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

Tgt Ion: 114 Resp: 408150  
Ion Ratio Lower Upper  
114 100  
63 18.4 0.0 36.8  
88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.464 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029785.D

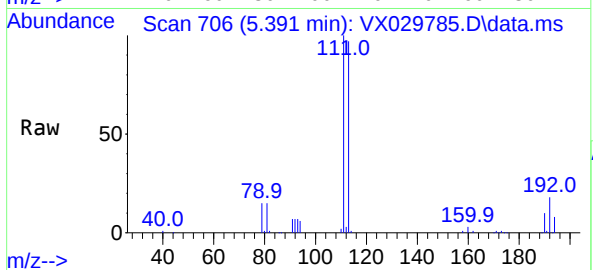
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Instrument :

MSVOA\_X

ClientSampleId :

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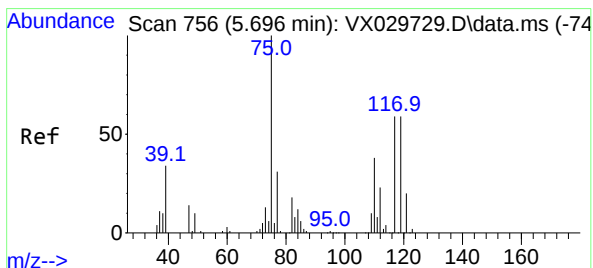
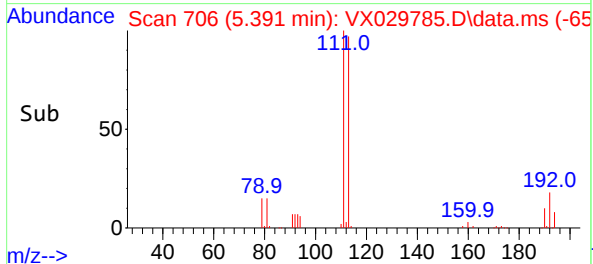
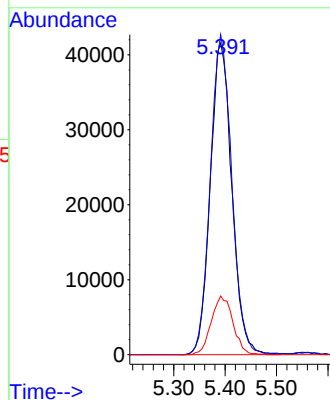
Tgt Ion:113 Resp: 120928

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 18.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.943 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029785.D

Acq: 24 Jun 2022 19:03

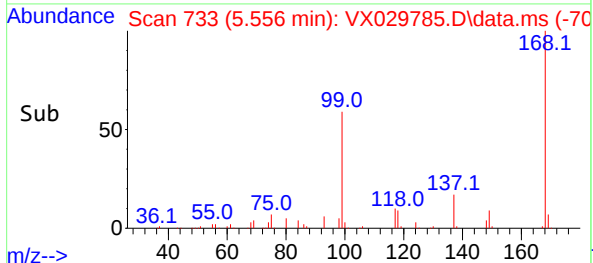
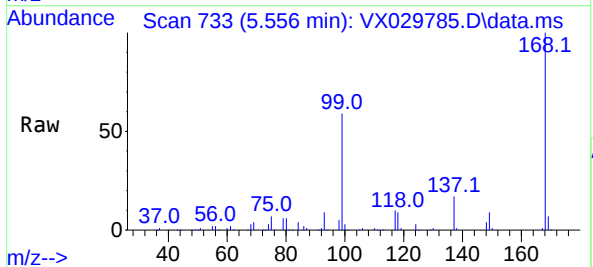
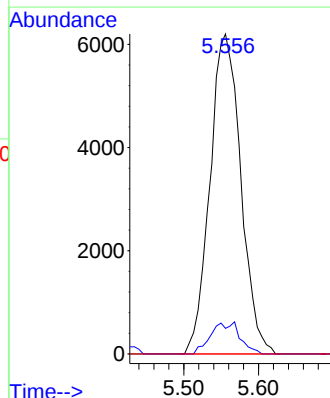
Tgt Ion: 75 Resp: 17794

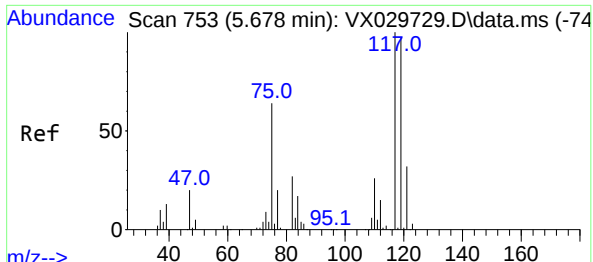
Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

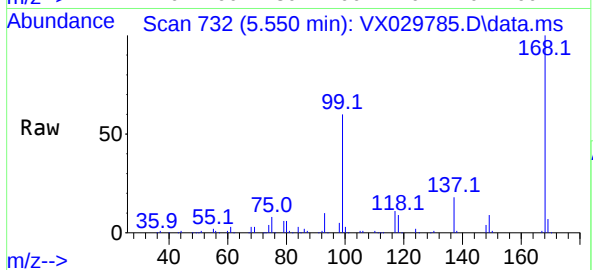
77 0.0 24.8 37.2#



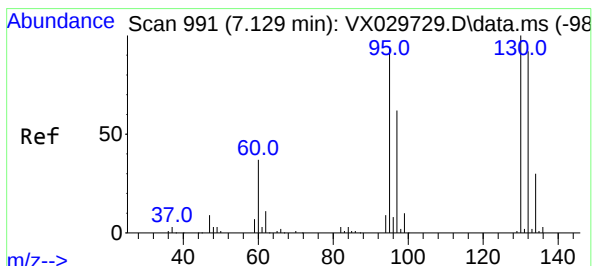
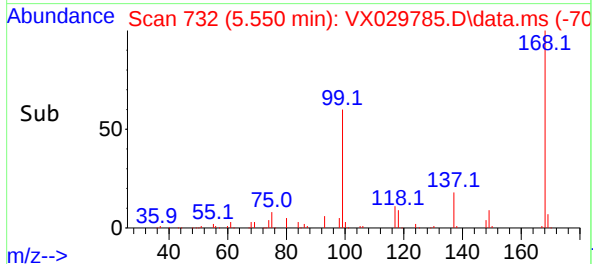
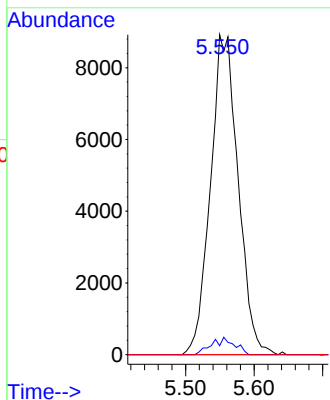


#38  
Carbon Tetrachloride  
Concen: 7.068 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
220615002-01-TRIP-BLANK

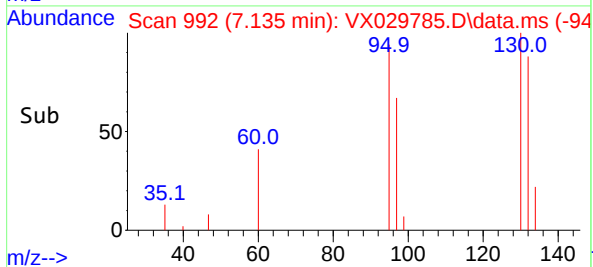
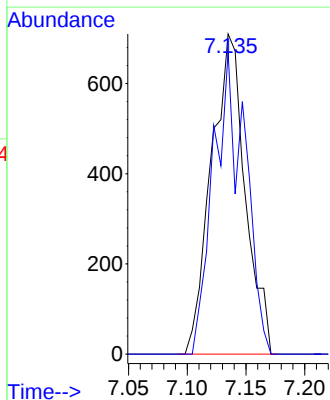
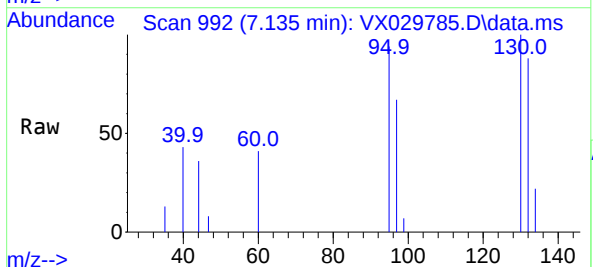


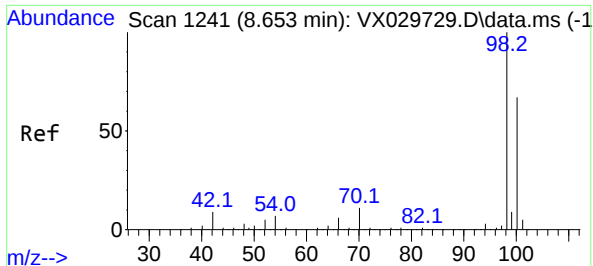
Tgt Ion:117 Resp: 25021  
Ion Ratio Lower Upper  
117 100  
119 2.8 77.3 115.9#  
121 0.0 24.2 36.2#



#44  
Trichloroethene  
Concen: Below Cal  
RT: 7.135 min Scan# 992  
Delta R.T. 0.006 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

Tgt Ion:130 Resp: 1429  
Ion Ratio Lower Upper  
130 100  
95 94.4 0.0 188.8





#50

Toluene-d8

Concen: 48.356 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029785.D

Acq: 24 Jun 2022 19:03

Instrument :

MSVOA\_X

ClientSampleId :

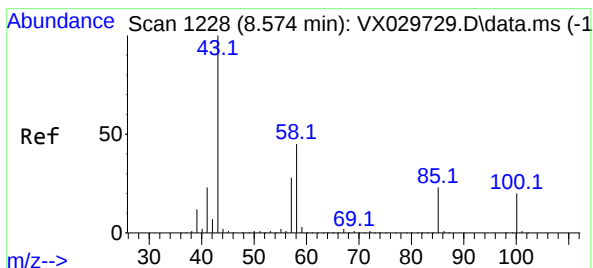
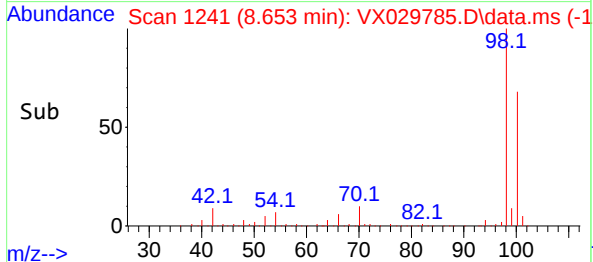
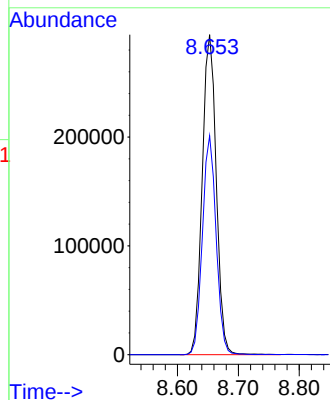
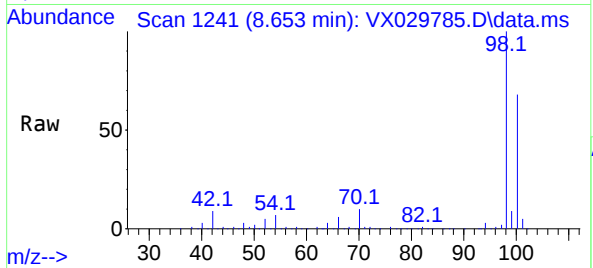
220615002-01-TRIP-BLANK

Tgt Ion: 98 Resp: 469870

Ion Ratio Lower Upper

98 100

100 66.9 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.438 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX029785.D

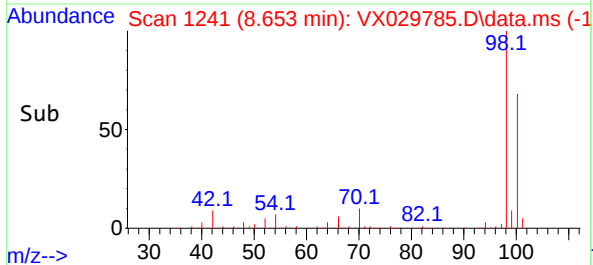
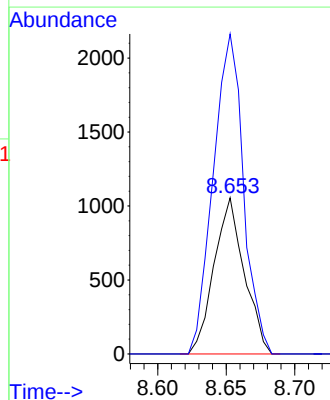
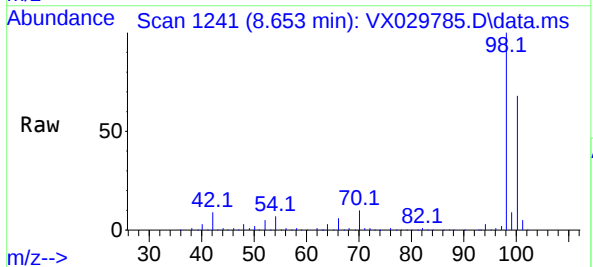
Acq: 24 Jun 2022 19:03

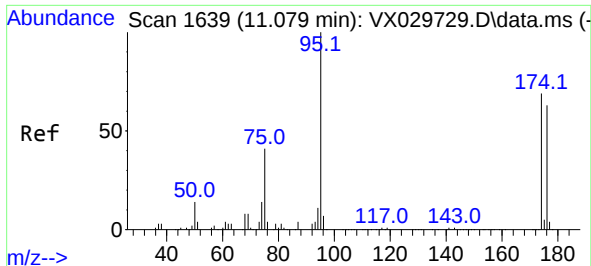
Tgt Ion: 43 Resp: 1619

Ion Ratio Lower Upper

43 100

58 204.8 36.1 54.1#

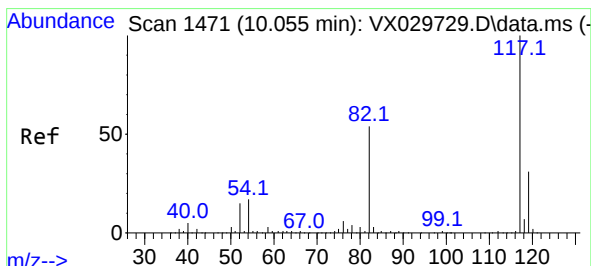
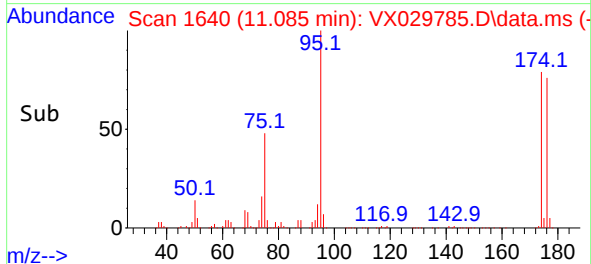
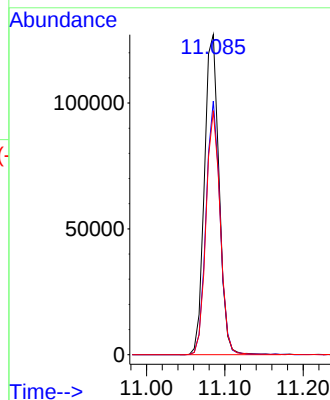
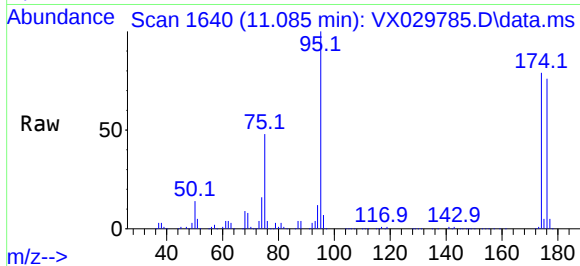




#62  
4-Bromofluorobenzene  
Concen: 44.904 ug/l  
RT: 11.085 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

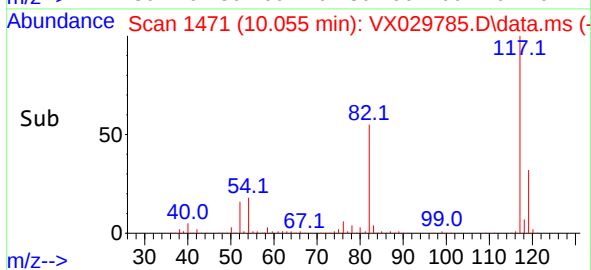
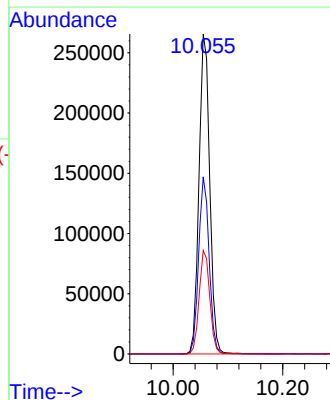
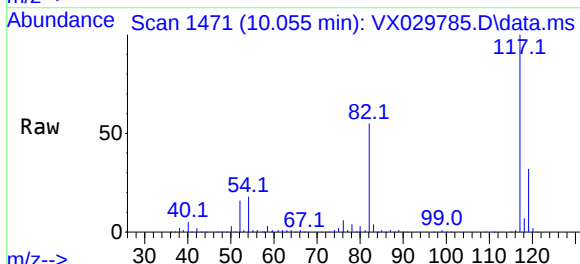
Instrument :  
MSVOA\_X  
ClientSampleId :  
220615002-01-TRIP-BLANK

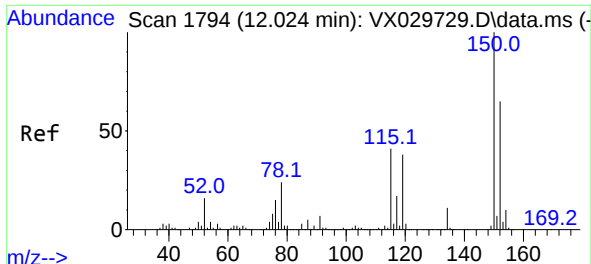
Tgt Ion: 95 Resp: 164547  
Ion Ratio Lower Upper  
95 100  
174 75.8 0.0 163.0  
176 73.9 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

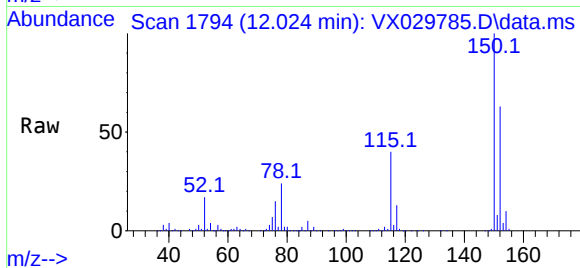
Tgt Ion: 117 Resp: 362845  
Ion Ratio Lower Upper  
117 100  
82 55.3 41.8 62.8  
119 32.3 24.8 37.2



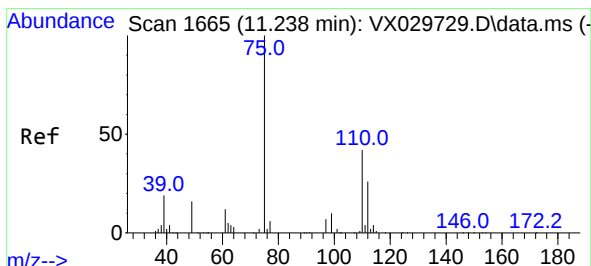
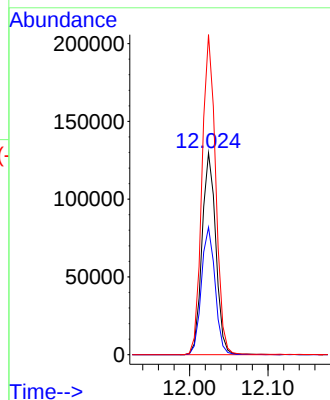
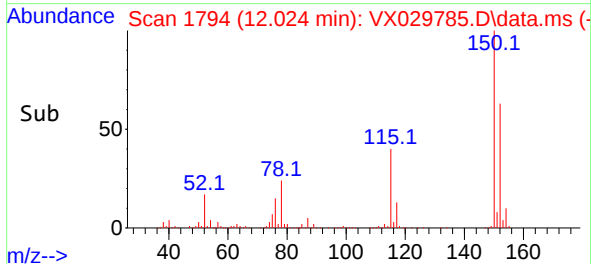


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
220615002-01-TRIP-BLANK

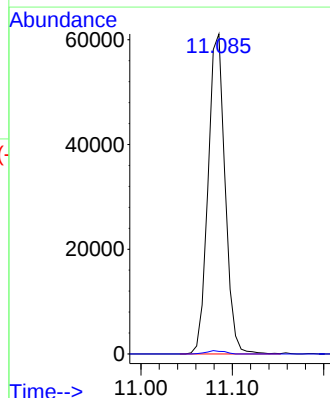
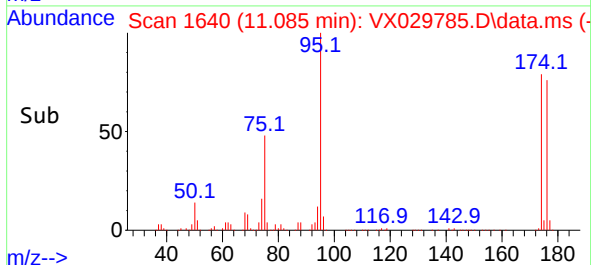
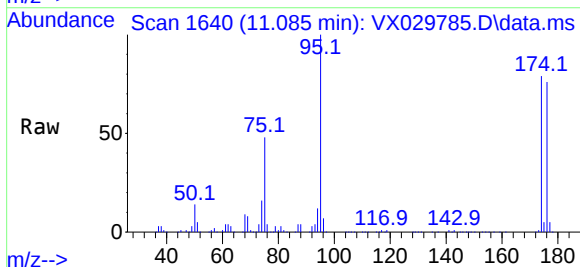


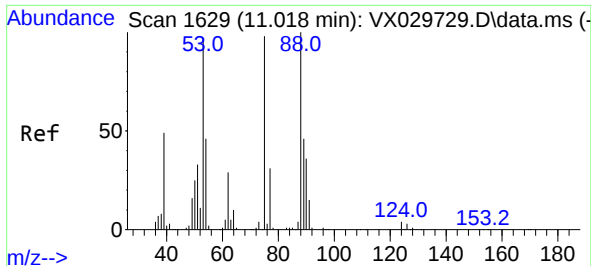
Tgt Ion:152 Resp: 158682  
Ion Ratio Lower Upper  
152 100  
115 62.8 37.5 112.7  
150 157.1 0.0 338.2



#76  
1,2,3-Trichloropropane  
Concen: 22.764 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

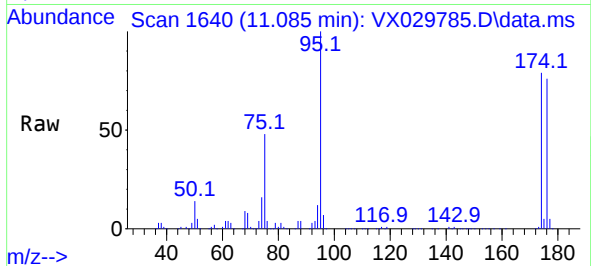
Tgt Ion: 75 Resp: 78691  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.4 58.2#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.729 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.067 min  
Lab File: VX029785.D  
Acq: 24 Jun 2022 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
220615002-01-TRIP-BLANK



Tgt Ion: 75 Resp: 78691  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#

