

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032125\  
 Data File : VX045399.D  
 Acq On : 21 Mar 2025 19:31  
 Operator : JC/MD  
 Sample : Q1608-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT163S1-20250317

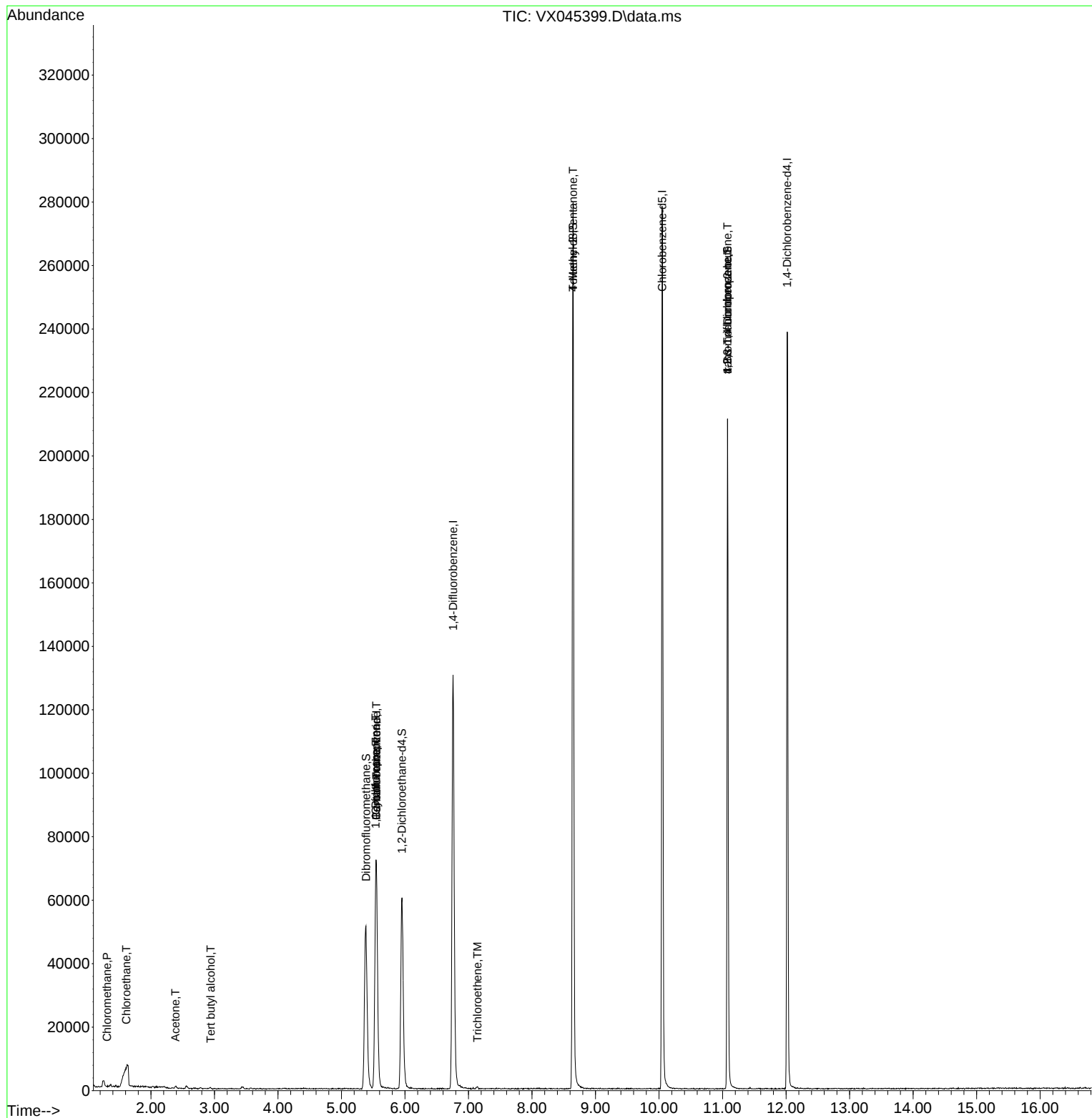
Quant Time: Mar 21 23:20:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 64623               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 126814              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049         | 117  | 116621              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 44709               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 58882               | 57.282  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 114.560% |         |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 44762               | 52.787  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 105.580% |         |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 160134              | 52.090  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 104.180% |         |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 53297               | 52.319  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 104.640% |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      | Qvalue              |         |        |          |
| 3) Chloromethane              | 1.306          | 50   | 368                 | 0.370   | ug/l # | 43       |
| 6) Chloroethane               | 1.611          | 64   | 157                 | 0.345   | ug/l # | 41       |
| 11) Tert butyl alcohol        | 2.940          | 59   | 64                  | 0.329   | ug/l # | 73       |
| 16) Acetone                   | 2.386          | 43   | 937                 | 1.965   | ug/l # | 89       |
| 31) Cyclohexane               | 5.543          | 56   | 1979                | 1.415   | ug/l # | 7        |
| 36) 1,1-Dichloropropene       | 5.537          | 75   | 6257                | 5.380   | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 7180                | 6.081   | ug/l # | 15       |
| 44) Trichloroethene           | 7.141          | 130  | 319                 | 0.370   | ug/l   | 64       |
| 51) 4-Methyl-2-Pentanone      | 8.647          | 43   | 898                 | 0.604   | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 31100               | 29.886  | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 31100               | 102.277 | ug/l # | 6        |
| -----                         |                |      |                     |         |        |          |

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

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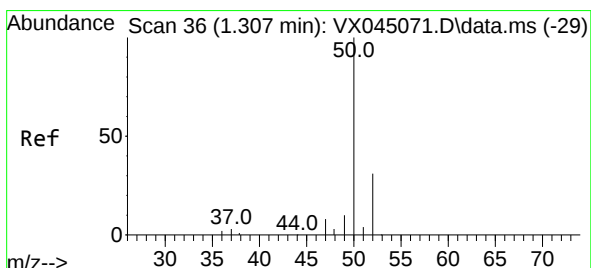
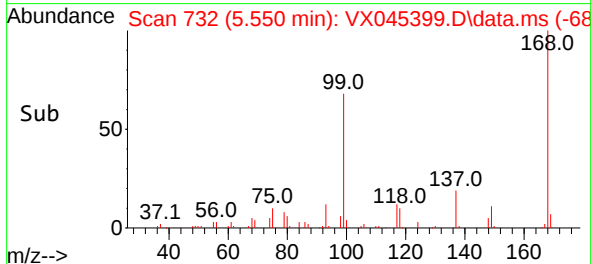
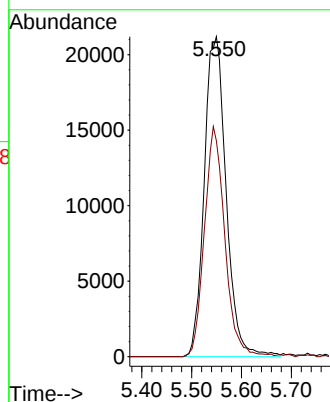
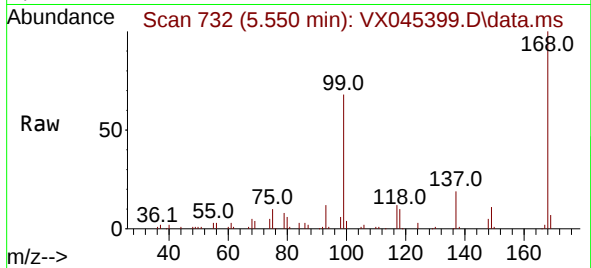




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

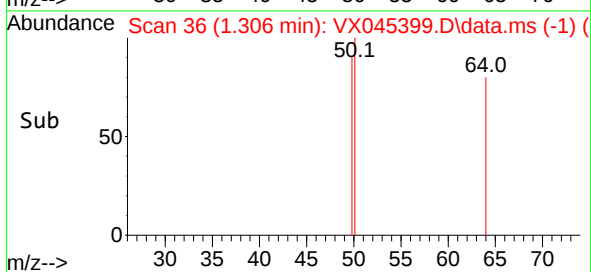
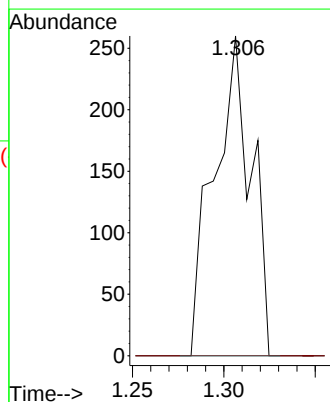
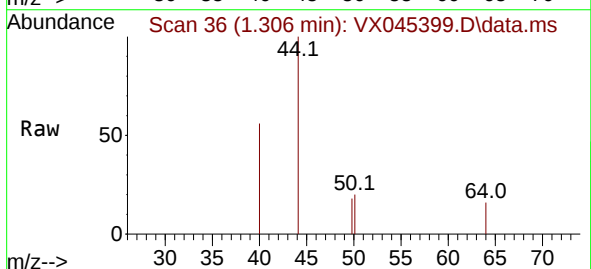
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT163S1-20250317

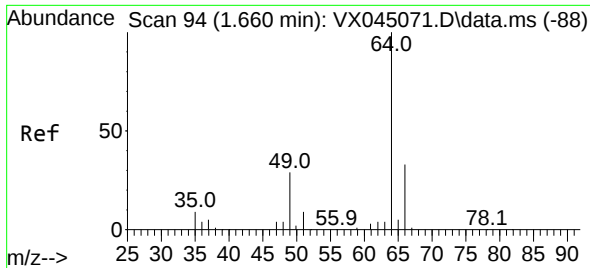
Tgt Ion:168 Resp: 64623  
Ion Ratio Lower Upper  
168 100  
99 67.5 48.2 72.4



#3  
Chloromethane  
Concen: 0.370 ug/l  
RT: 1.306 min Scan# 36  
Delta R.T. -0.000 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

Tgt Ion: 50 Resp: 368  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.0 37.4#

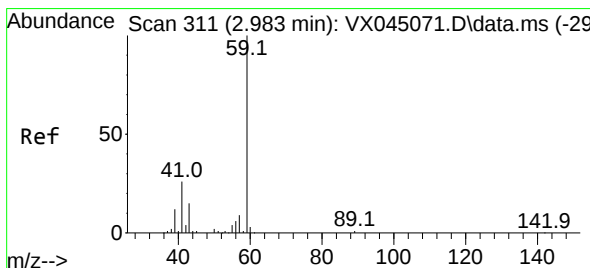
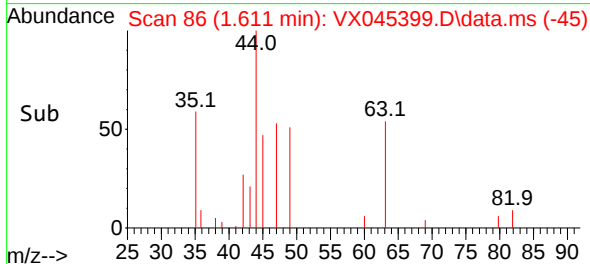
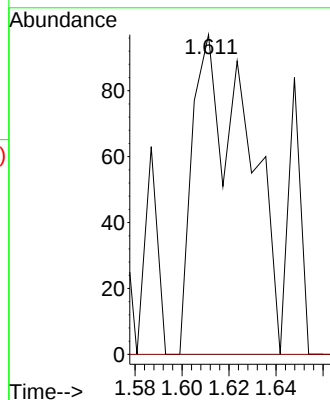
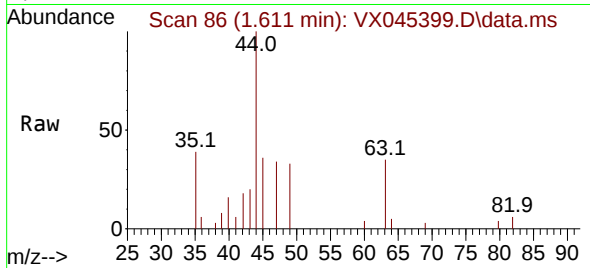




#6  
Chloroethane  
Concen: 0.345 ug/l  
RT: 1.611 min Scan# 80  
Delta R.T. -0.049 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

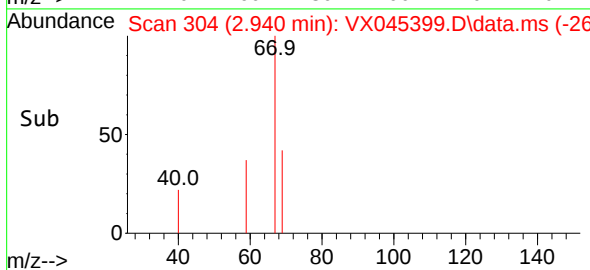
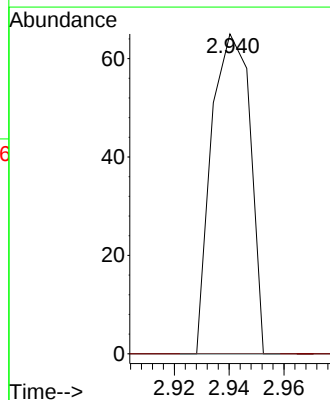
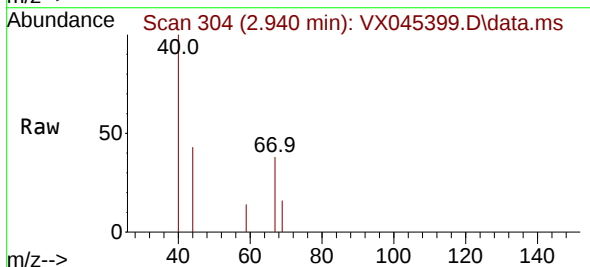
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ClientSampleId :  
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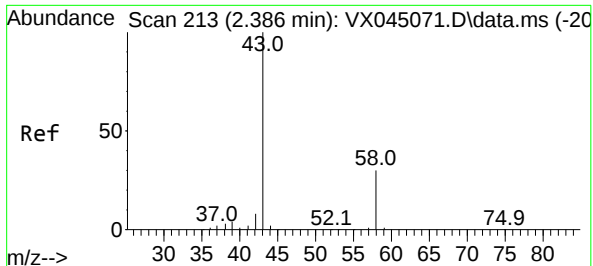
Tgt Ion: 64 Resp: 157  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.7 40.1#



#11  
Tert butyl alcohol  
Concen: 0.329 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.043 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

Tgt Ion: 59 Resp: 64  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

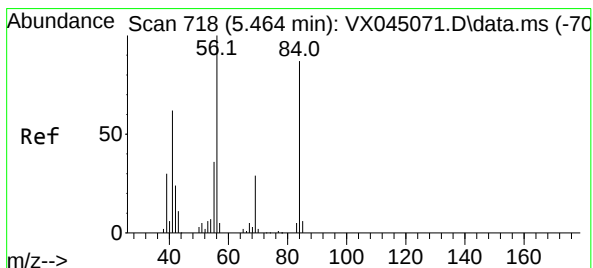
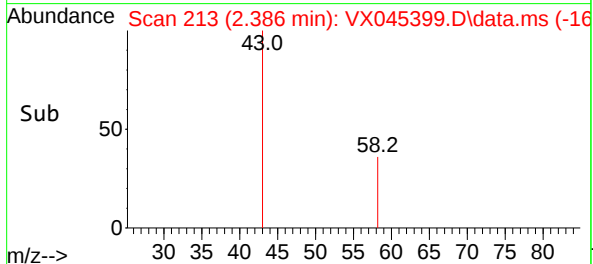
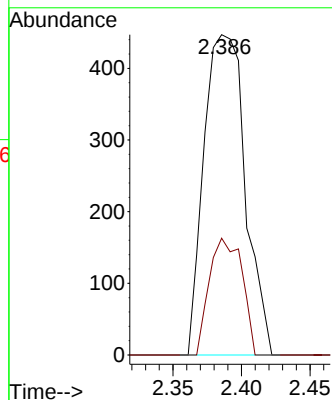
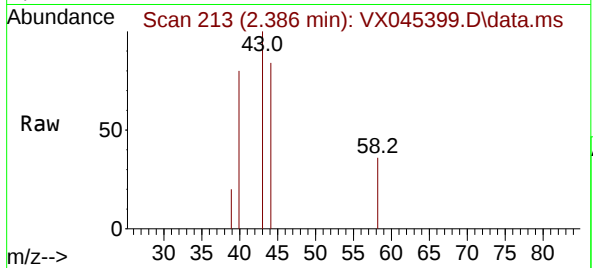




#16  
Acetone  
Concen: 1.965 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

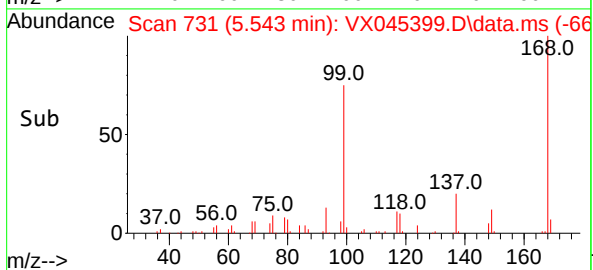
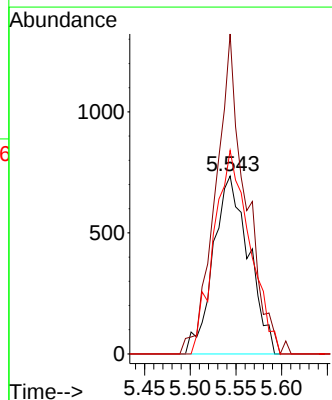
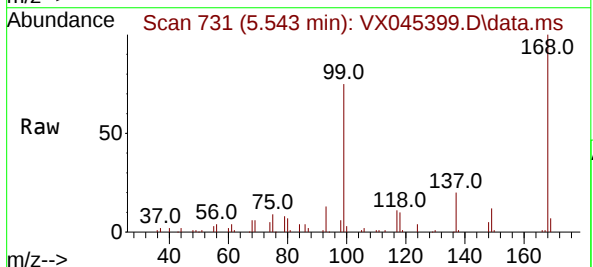
Instrument :  
MSVOA\_X  
ClientSampleId :  
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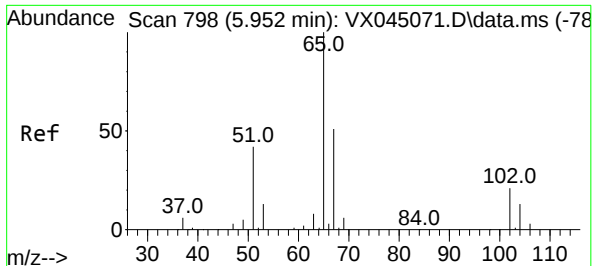
Tgt Ion: 43 Resp: 937  
Ion Ratio Lower Upper  
43 100  
58 36.5 24.2 36.4#



#31  
Cyclohexane  
Concen: 1.415 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. 0.079 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

Tgt Ion: 56 Resp: 1979  
Ion Ratio Lower Upper  
56 100  
69 179.9 23.4 35.2#  
84 114.4 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 57.282 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045399.D

Acq: 21 Mar 2025 19:31

Instrument :

MSVOA\_X

ClientSampleId :

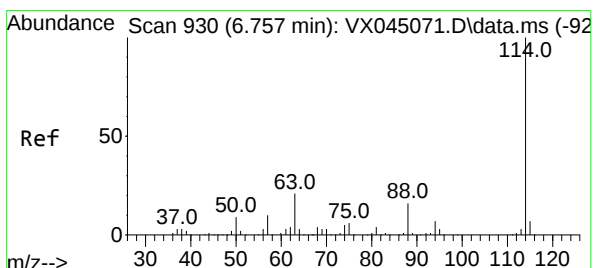
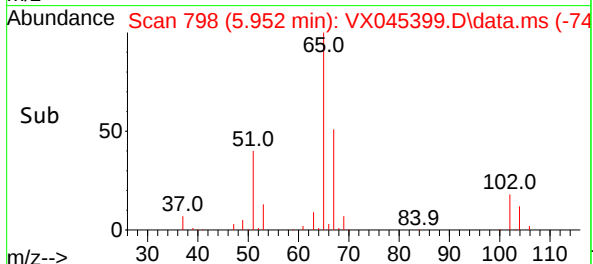
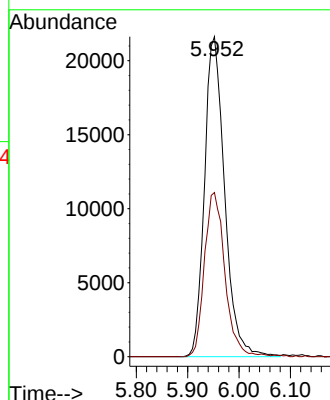
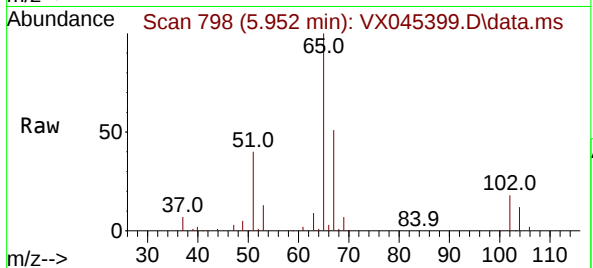
TT163S1-20250317

Tgt Ion: 65 Resp: 58882

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045399.D

Acq: 21 Mar 2025 19:31

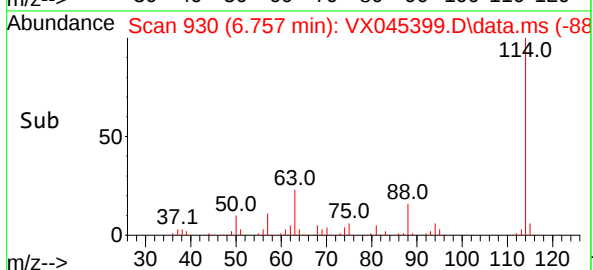
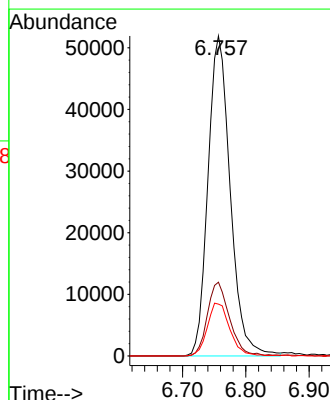
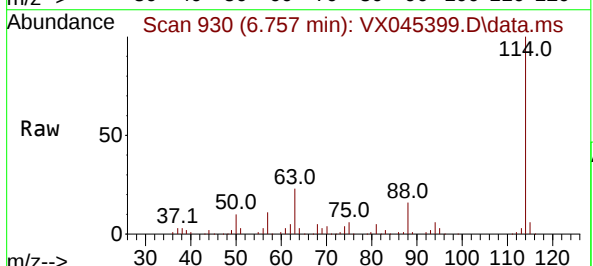
Tgt Ion: 114 Resp: 126814

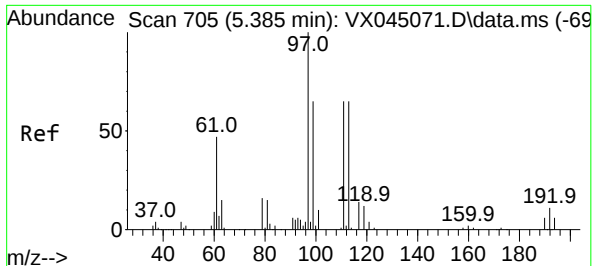
Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 16.2 0.0 32.8

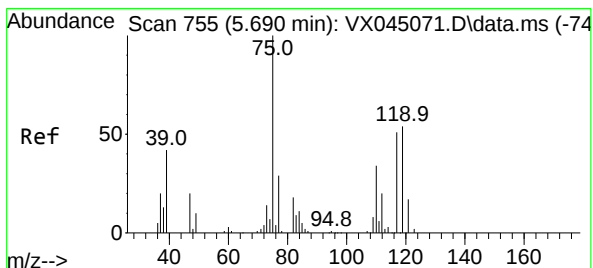
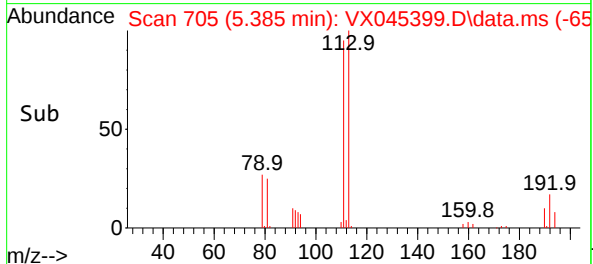
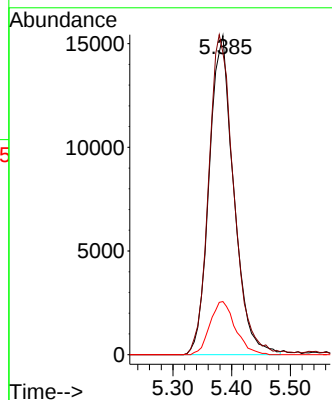
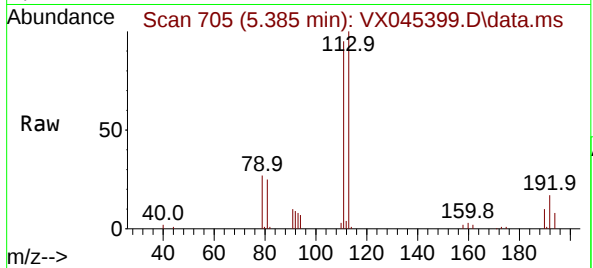




#35  
Dibromofluoromethane  
Concen: 52.787 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

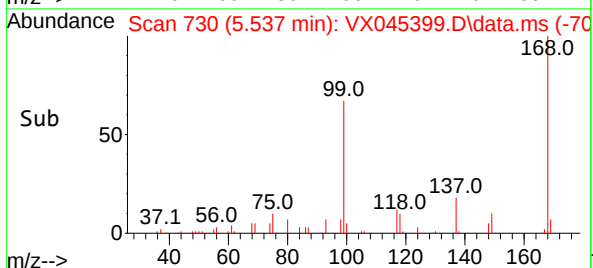
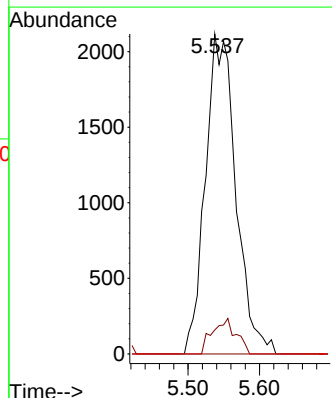
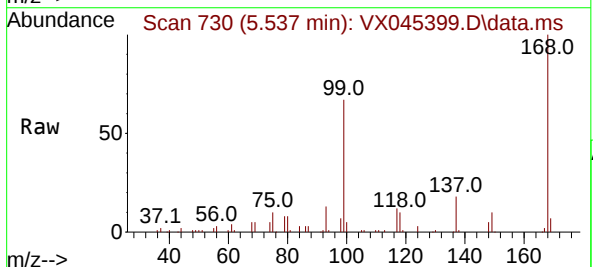
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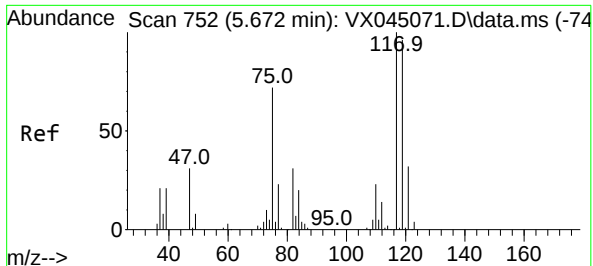
Tgt Ion:113 Resp: 44762  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.8 122.6  
192 17.2 14.3 21.5



#36  
1,1-Dichloropropene  
Concen: 5.380 ug/l  
RT: 5.537 min Scan# 730  
Delta R.T. -0.153 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

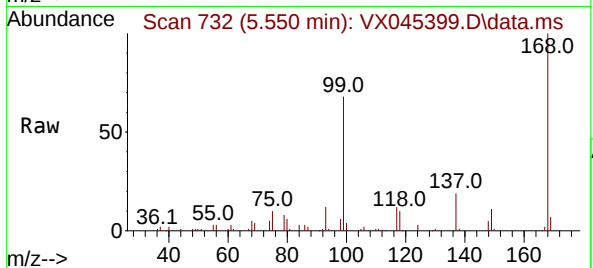
Tgt Ion: 75 Resp: 6257  
Ion Ratio Lower Upper  
75 100  
110 8.5 16.9 50.6#  
77 0.0 24.5 36.7#



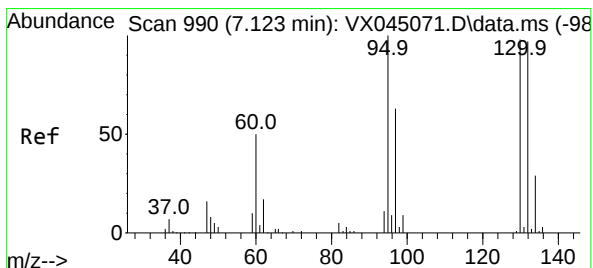
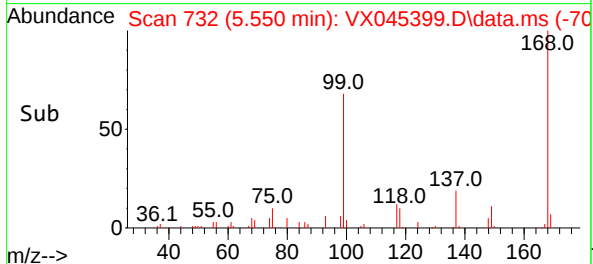
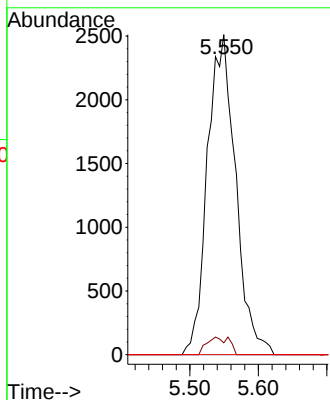


#38  
Carbon Tetrachloride  
Concen: 6.081 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

Instrument :  
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ClientSampleId :  
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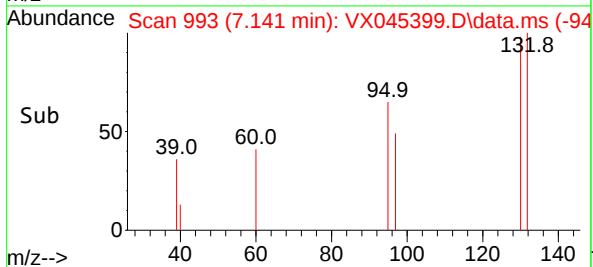
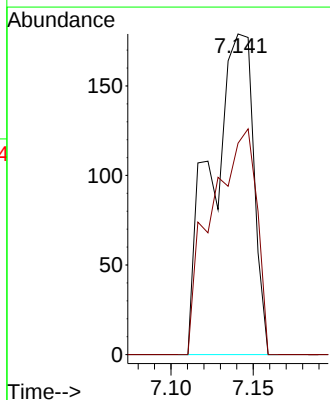
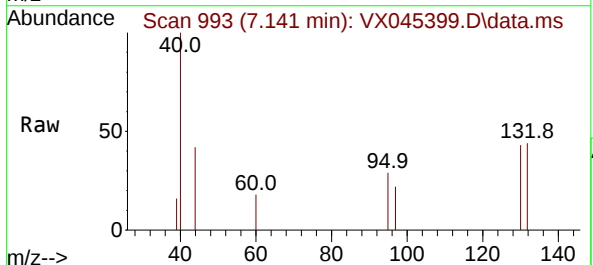


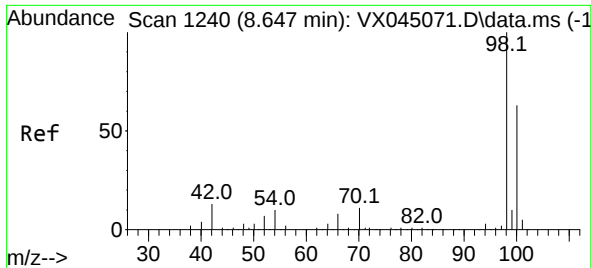
Tgt Ion:117 Resp: 7180  
Ion Ratio Lower Upper  
117 100  
119 3.7 76.7 115.1#  
121 0.0 25.5 38.3#



#44  
Trichloroethene  
Concen: 0.370 ug/l  
RT: 7.141 min Scan# 993  
Delta R.T. 0.018 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

Tgt Ion:130 Resp: 319  
Ion Ratio Lower Upper  
130 100  
95 65.9 0.0 205.0

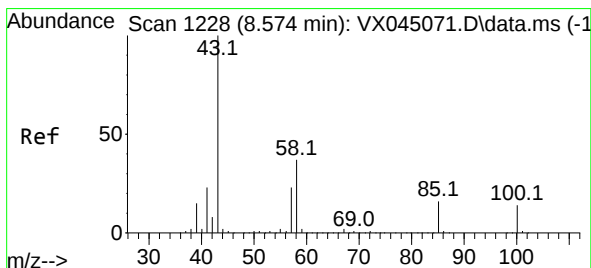
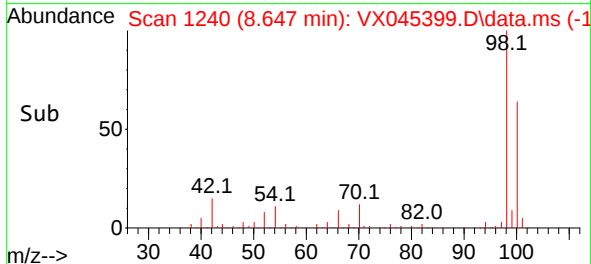
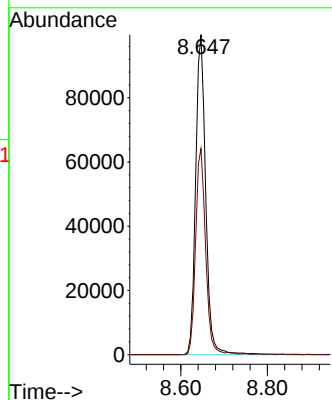
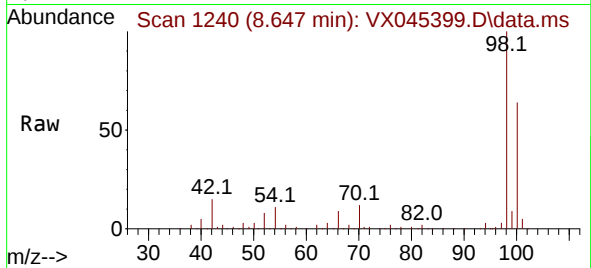




#50  
Toluene-d8  
Concen: 52.090 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

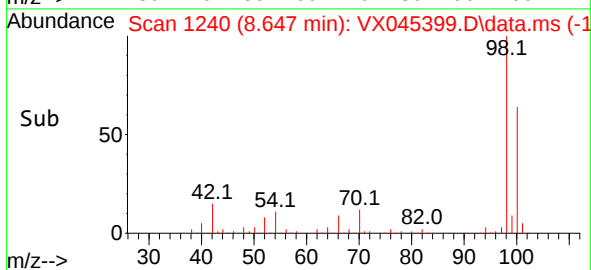
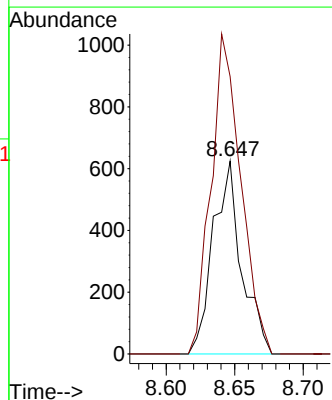
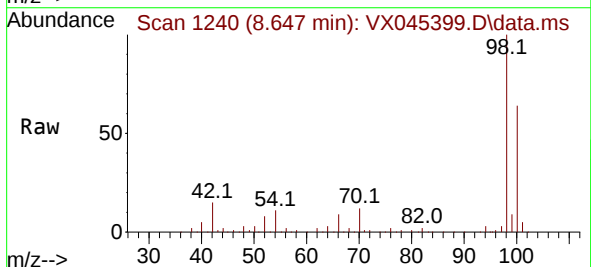
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT163S1-20250317

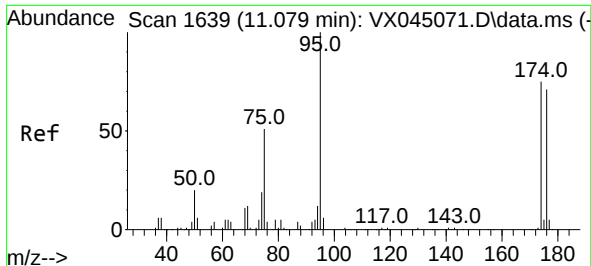
Tgt Ion: 98 Resp: 160134  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.604 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

Tgt Ion: 43 Resp: 898  
Ion Ratio Lower Upper  
43 100  
58 175.1 29.2 43.8#

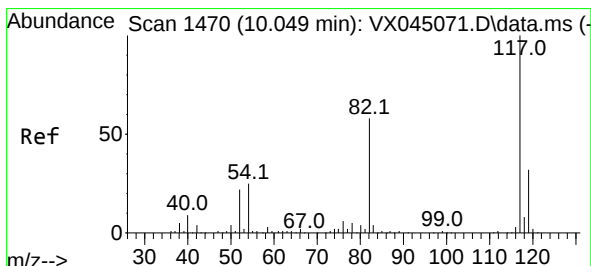
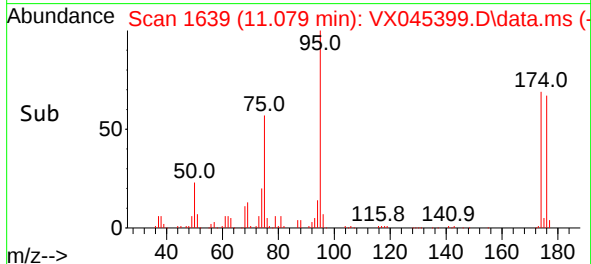
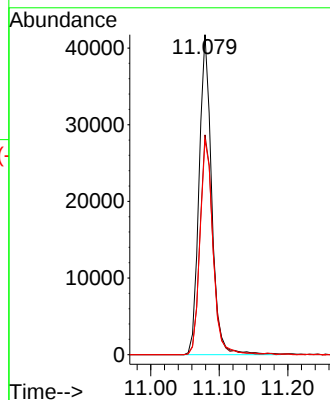
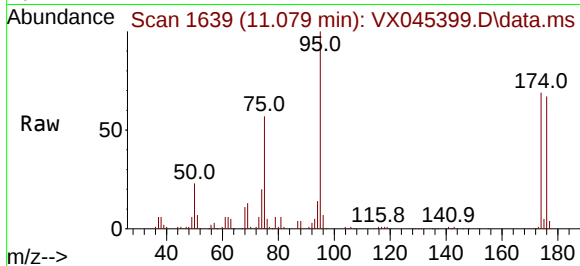




#62  
4-Bromofluorobenzene  
Concen: 52.319 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

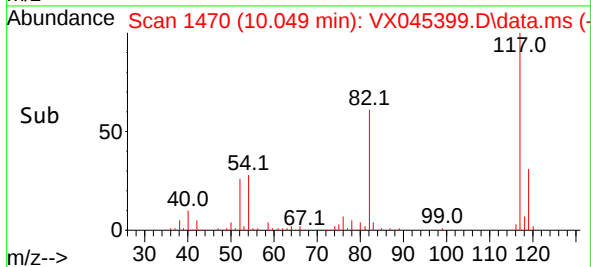
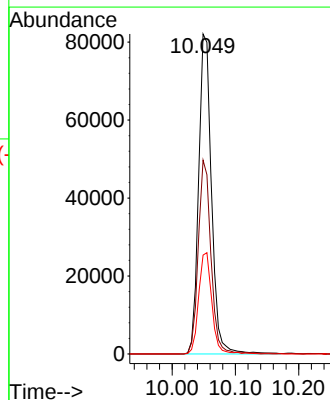
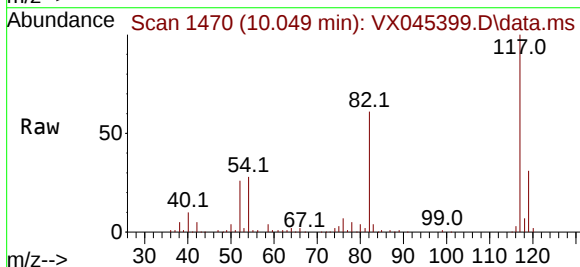
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT163S1-20250317

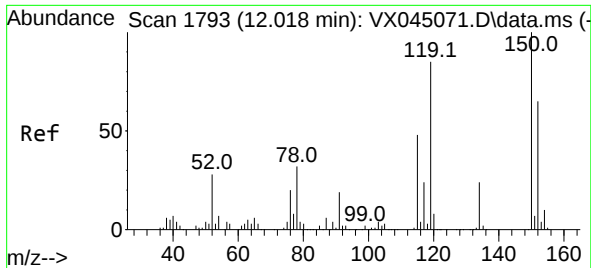
Tgt Ion: 95 Resp: 53297  
Ion Ratio Lower Upper  
95 100  
174 70.6 0.0 148.2  
176 69.7 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

Tgt Ion: 117 Resp: 116621  
Ion Ratio Lower Upper  
117 100  
82 60.5 46.3 69.5  
119 30.9 25.7 38.5

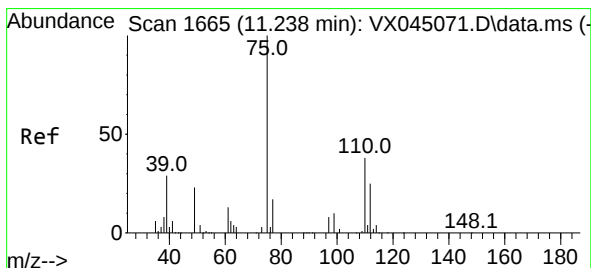
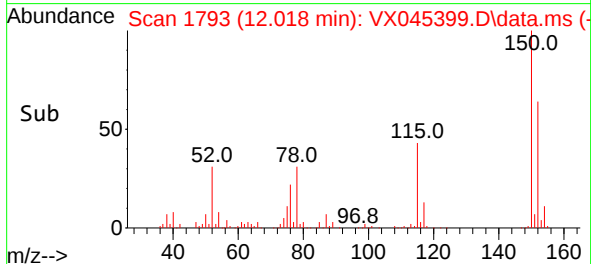
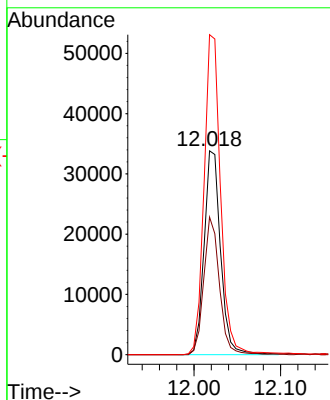
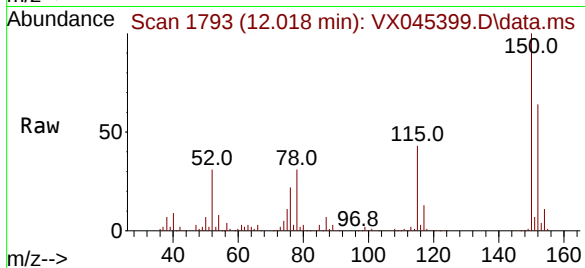




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

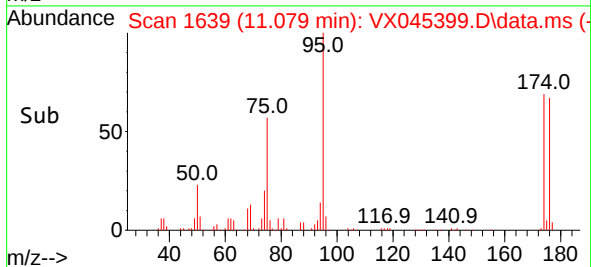
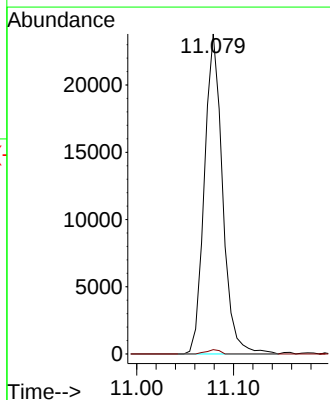
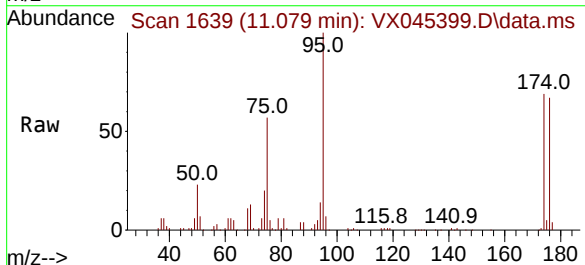
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT163S1-20250317

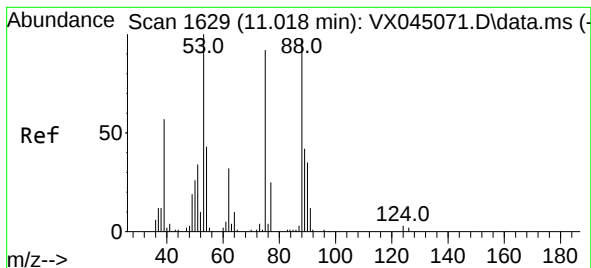
Tgt Ion:152 Resp: 44709  
Ion Ratio Lower Upper  
152 100  
115 64.2 44.2 132.6  
150 158.5 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 29.886 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

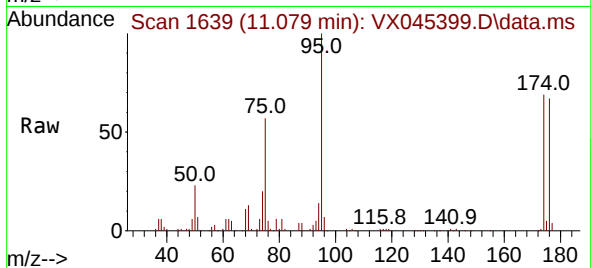
Tgt Ion: 75 Resp: 31100  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.7 62.1#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 102.277 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX045399.D  
Acq: 21 Mar 2025 19:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT163S1-20250317



Tgt Ion: 75 Resp: 31100  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.5 132.7#  
89 0.0 36.2 54.4#

