

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032425\  
 Data File : VX045422.D  
 Acq On : 24 Mar 2025 18:00  
 Operator : JC/MD  
 Sample : Q1608-22  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT161S1-20250319

Quant Time: Mar 25 01:38:33 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

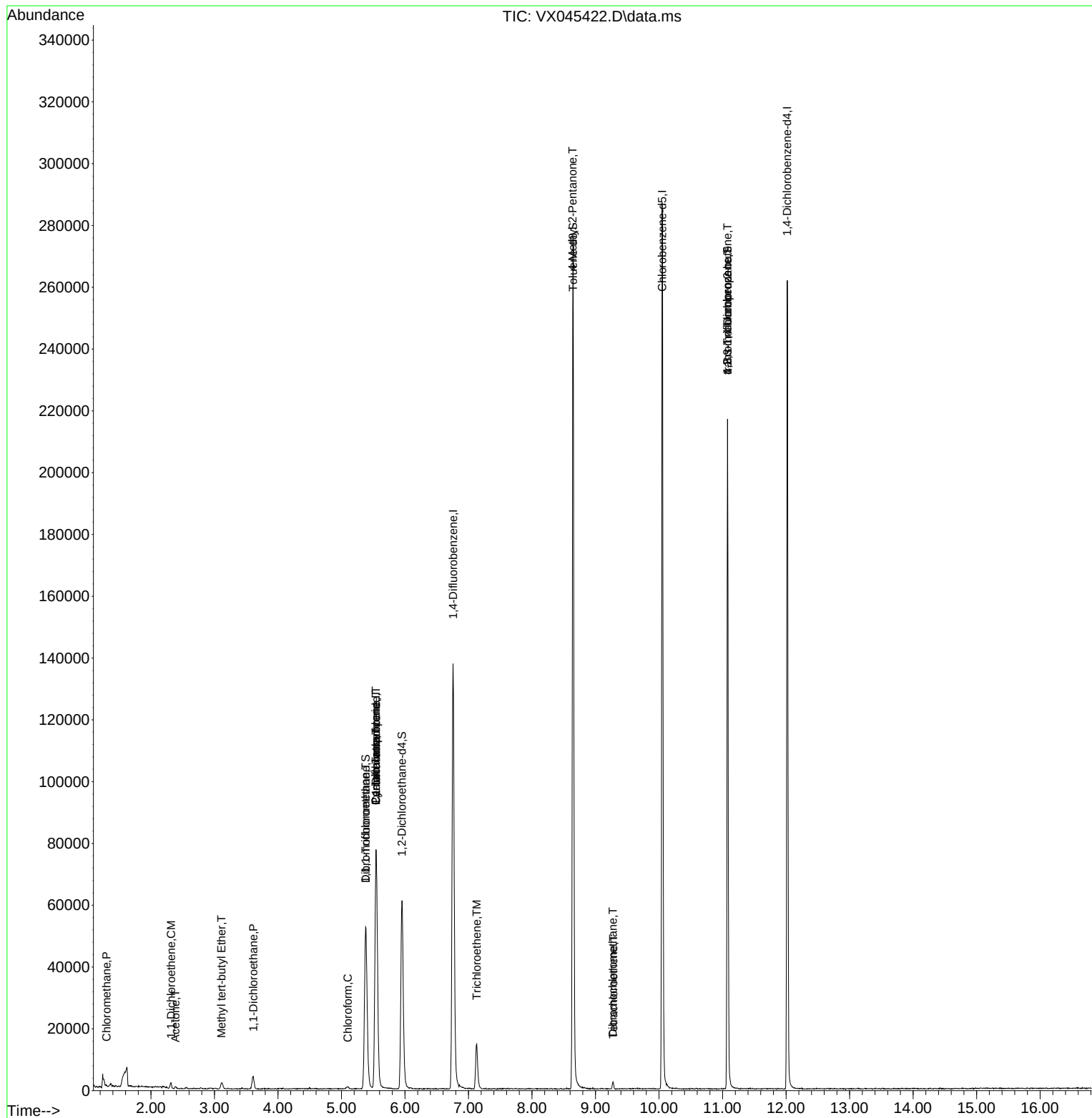
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.544  | 168   | 67871    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 133134   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 121041   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 49396    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 59840    | 55.429   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 110.860% |          |
| 35) Dibromofluoromethane      | 5.379  | 113   | 45405    | 51.004   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 102.000% |          |
| 50) Toluene-d8                | 8.647  | 98    | 155997   | 48.335   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 96.680%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 54765    | 51.208   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 102.420% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 1.300  | 50    | 294      | 0.281    | ug/l #     | 43       |
| 12) 1,1-Dichloroethene        | 2.319  | 96    | 568      | 0.681    | ug/l       | 98       |
| 16) Acetone                   | 2.386  | 43    | 768      | 1.533    | ug/l #     | 87       |
| 19) Methyl tert-butyl Ether   | 3.111  | 73    | 2141     | 0.765    | ug/l       | 93       |
| 24) 1,1-Dichloroethane        | 3.611  | 63    | 4647     | 2.746    | ug/l       | 98       |
| 30) Chloroform                | 5.099  | 83    | 870      | 0.517    | ug/l #     | 66       |
| 31) Cyclohexane               | 5.544  | 56    | 1989     | 1.354    | ug/l #     | 26       |
| 32) 1,1,1-Trichloroethane     | 5.379  | 97    | 370      | 0.272    | ug/l #     | 23       |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 6650     | 5.447    | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 7723     | 6.231    | ug/l #     | 17       |
| 44) Trichloroethene           | 7.129  | 130   | 5695     | 6.291    | ug/l       | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.641  | 43    | 919      | 0.588    | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 439      | 0.451    | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.281  | 164   | 387      | 0.499    | ug/l       | 87       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 30767    | 26.761   | ug/l #     | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 30767    | 91.581   | ug/l #     | 6        |
| -----                         |        |       |          |          |            |          |

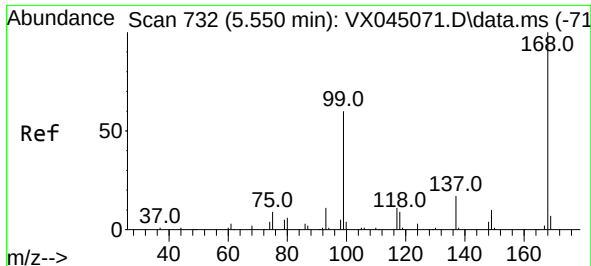
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032425\  
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ClientSampleId :  
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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

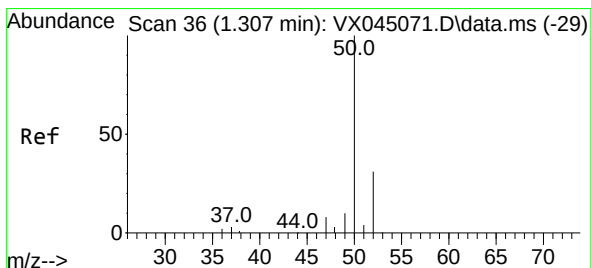
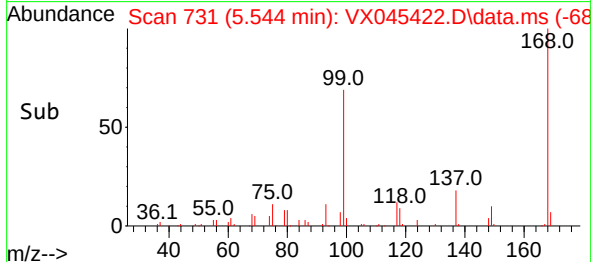
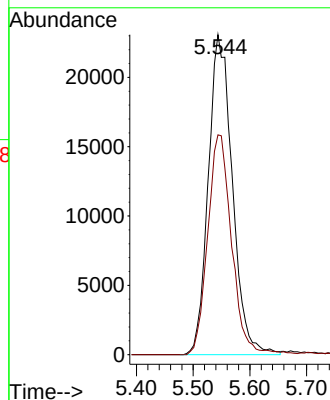
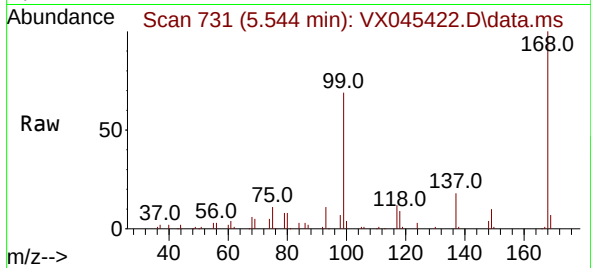




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

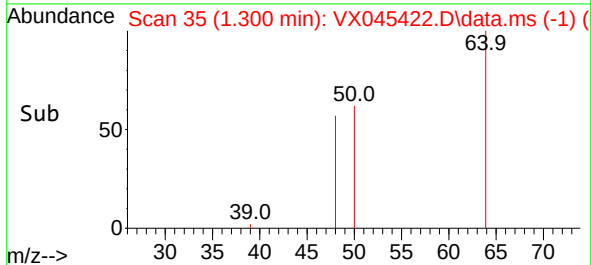
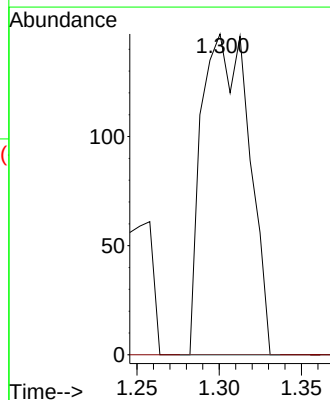
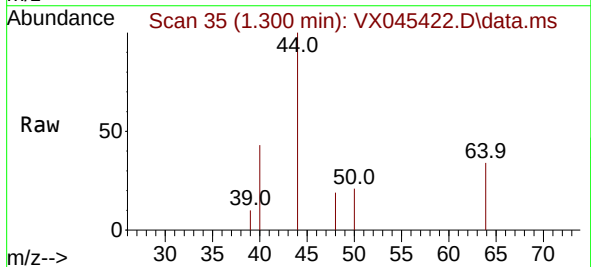
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT161S1-20250319

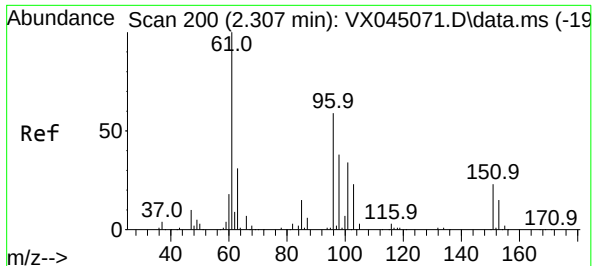
Tgt Ion:168 Resp: 67871  
Ion Ratio Lower Upper  
168 100  
99 68.7 48.2 72.4



#3  
Chloromethane  
Concen: 0.281 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. -0.006 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

Tgt Ion: 50 Resp: 294  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.0 37.4#





#12

1,1-Dichloroethene

Concen: 0.681 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.012 min

Lab File: VX045422.D

Acq: 24 Mar 2025 18:00

Instrument :

MSVOA\_X

ClientSampleId :

TT161S1-20250319

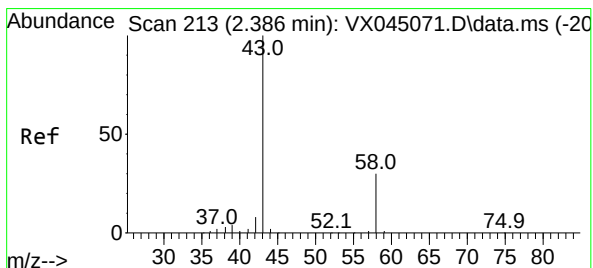
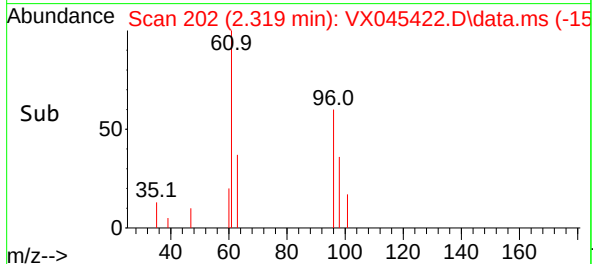
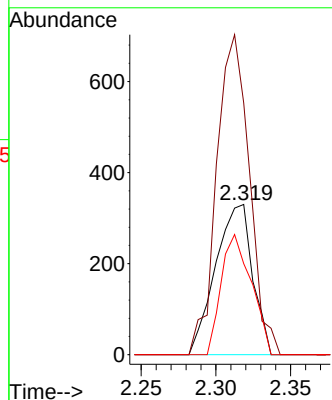
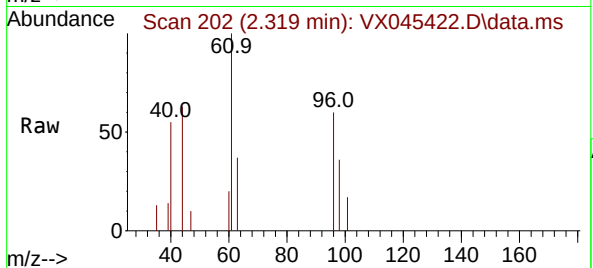
Tgt Ion: 96 Resp: 568

Ion Ratio Lower Upper

96 100

61 167.6 134.6 202.0

98 60.6 51.0 76.6



#16

Acetone

Concen: 1.533 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045422.D

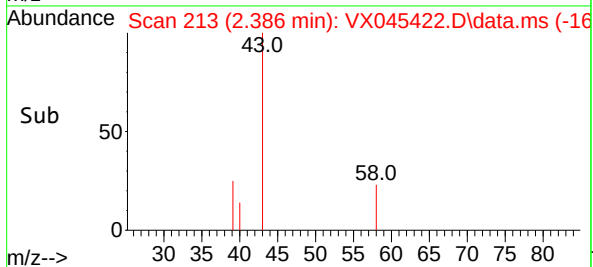
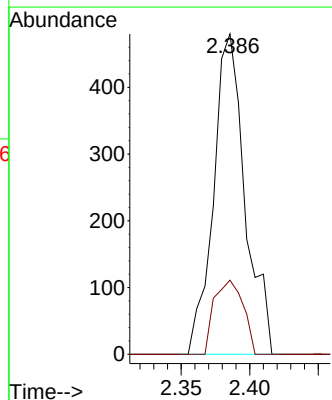
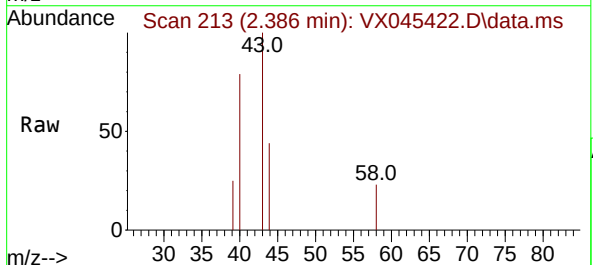
Acq: 24 Mar 2025 18:00

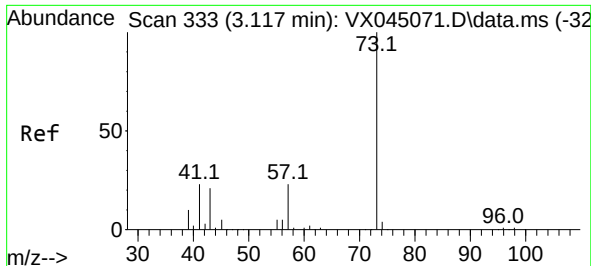
Tgt Ion: 43 Resp: 768

Ion Ratio Lower Upper

43 100

58 23.1 24.2 36.4#

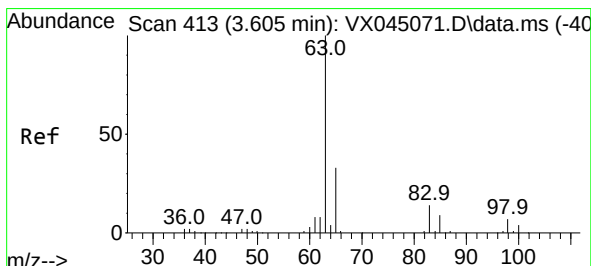
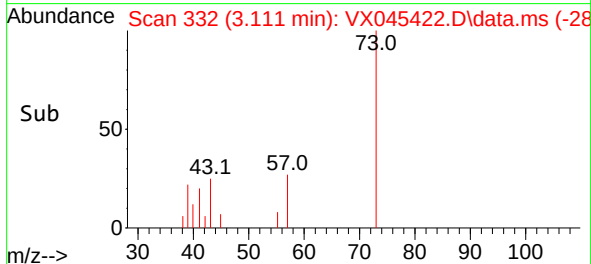
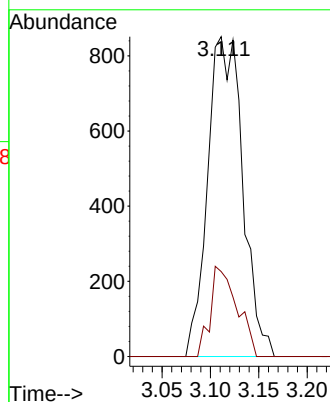
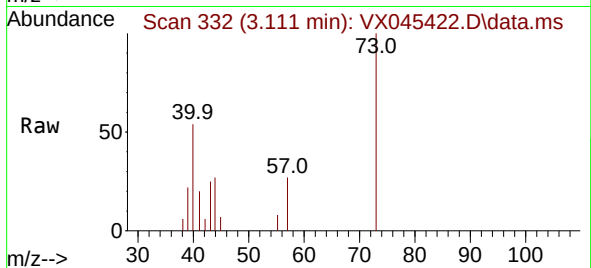




#19  
Methyl tert-butyl Ether  
Concen: 0.765 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

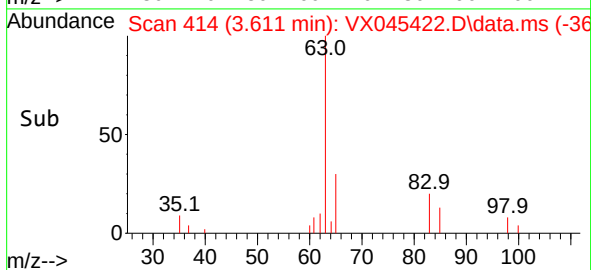
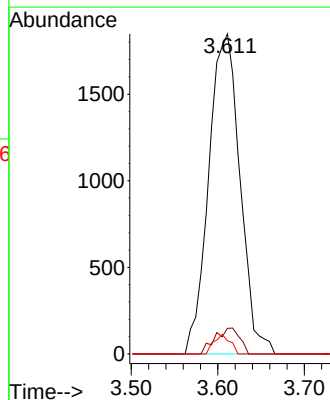
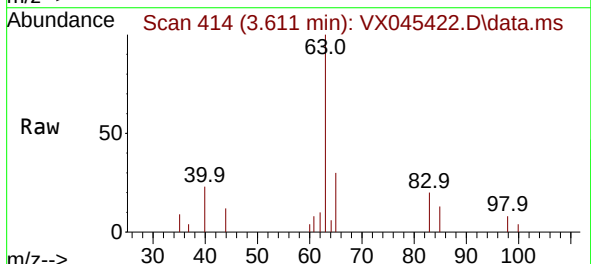
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT161S1-20250319

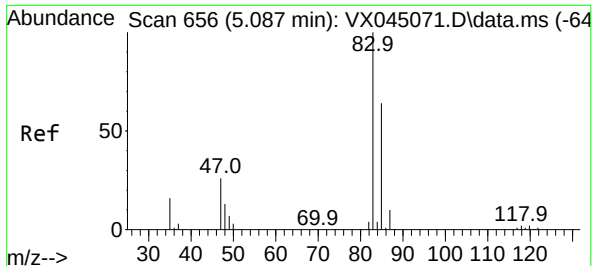
Tgt Ion: 73 Resp: 2141  
Ion Ratio Lower Upper  
73 100  
57 26.6 18.5 27.7



#24  
1,1-Dichloroethane  
Concen: 2.746 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. 0.006 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

Tgt Ion: 63 Resp: 4647  
Ion Ratio Lower Upper  
63 100  
98 8.0 3.4 10.2  
100 4.2 2.1 6.5





#30

Chloroform

Concen: 0.517 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX045422.D

Acq: 24 Mar 2025 18:00

Instrument :

MSVOA\_X

ClientSampleId :

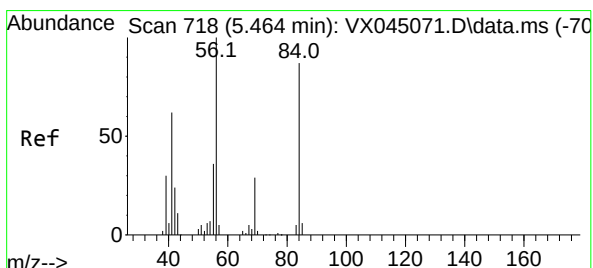
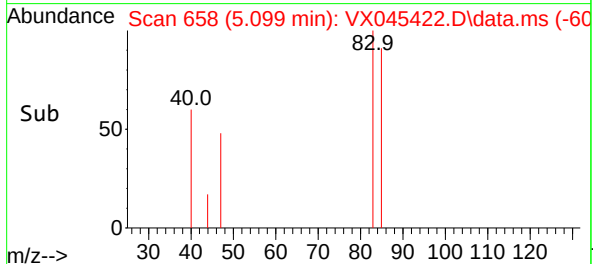
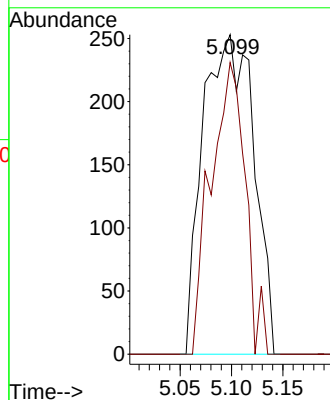
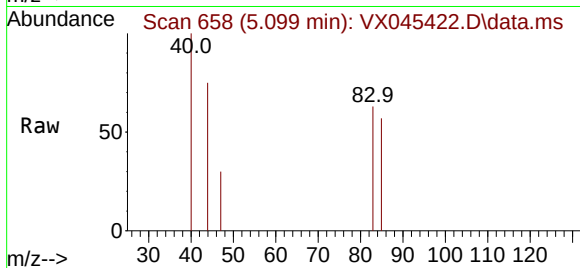
TT161S1-20250319

Tgt Ion: 83 Resp: 870

Ion Ratio Lower Upper

83 100

85 91.3 51.4 77.2#



#31

Cyclohexane

Concen: 1.354 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045422.D

Acq: 24 Mar 2025 18:00

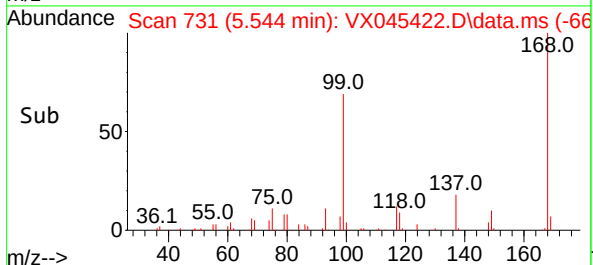
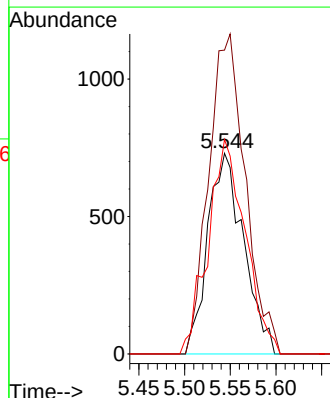
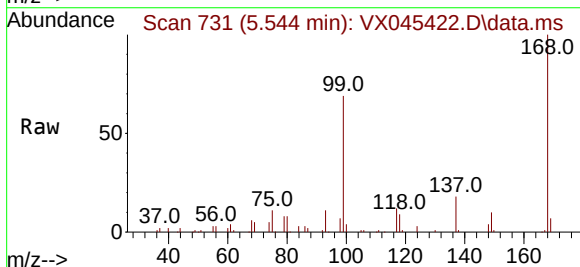
Tgt Ion: 56 Resp: 1989

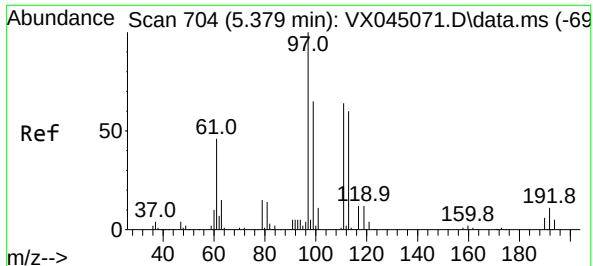
Ion Ratio Lower Upper

56 100

69 151.4 23.4 35.2#

84 106.8 69.4 104.2#





#32

1,1,1-Trichloroethane

Concen: 0.272 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX045422.D

Acq: 24 Mar 2025 18:00

Instrument :

MSVOA\_X

ClientSampleId :

TT161S1-20250319

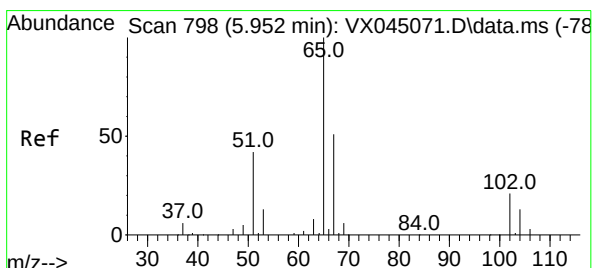
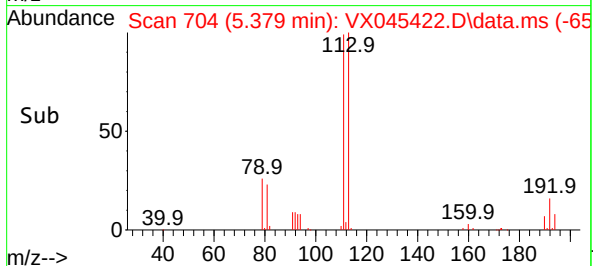
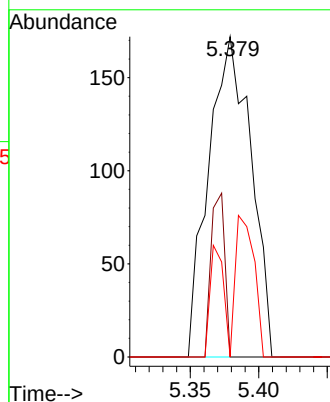
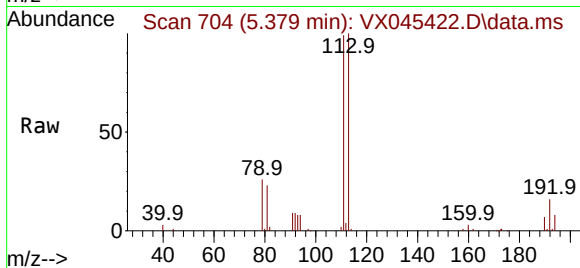
Tgt Ion: 97 Resp: 370

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

61 0.0 38.4 57.6#



#33

1,2-Dichloroethane-d4

Concen: 55.429 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045422.D

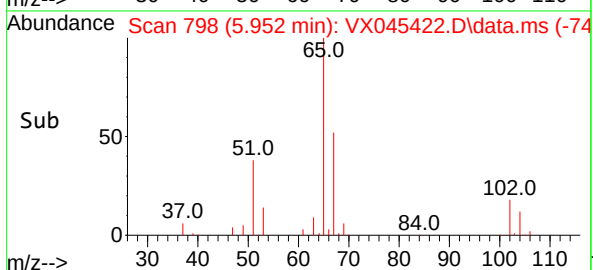
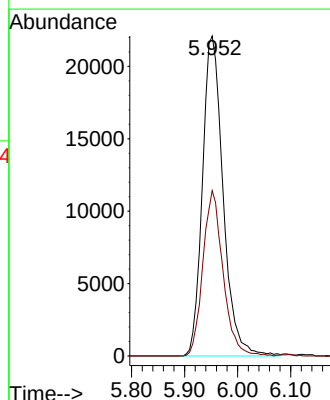
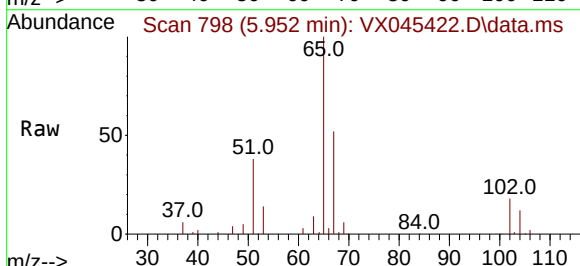
Acq: 24 Mar 2025 18:00

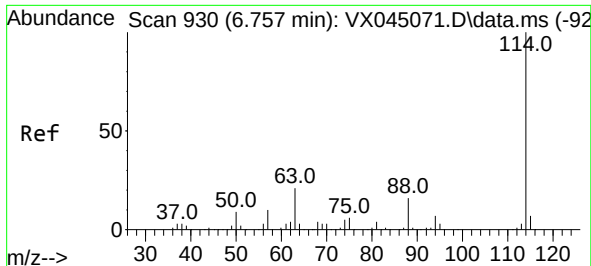
Tgt Ion: 65 Resp: 59840

Ion Ratio Lower Upper

65 100

67 50.3 0.0 106.2

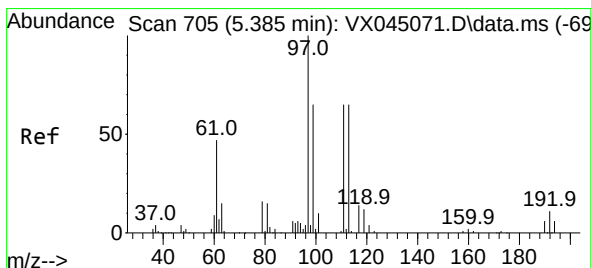
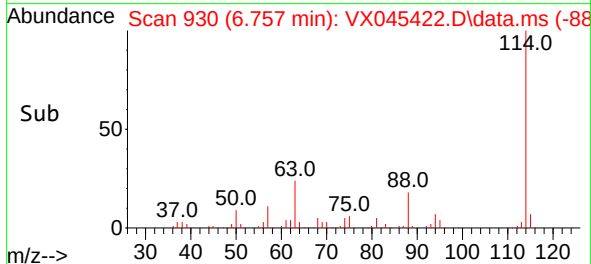
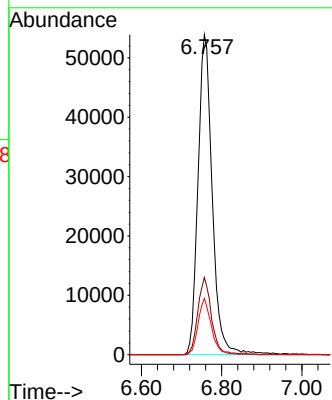
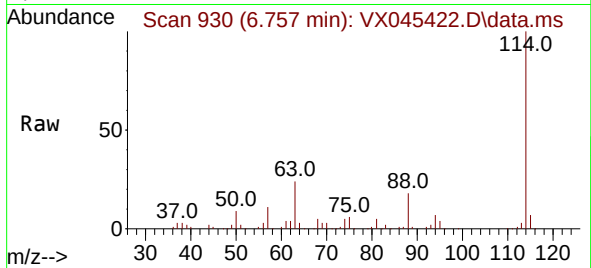




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

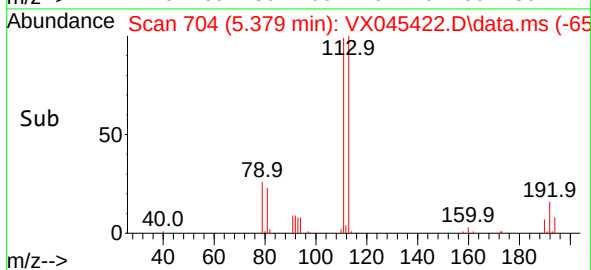
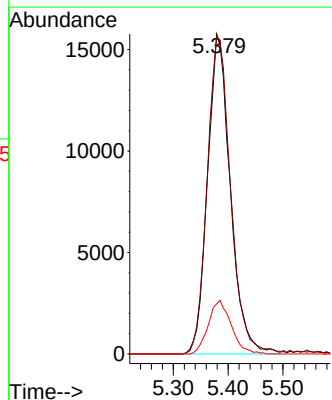
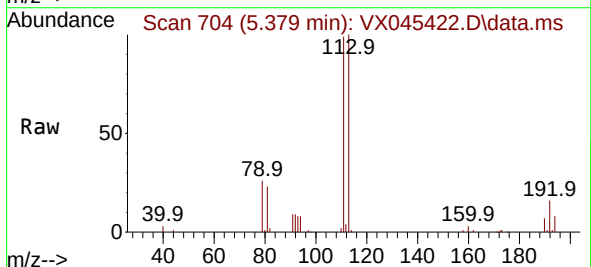
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Tgt Ion:114 Resp: 133134  
Ion Ratio Lower Upper  
114 100  
63 24.2 0.0 41.8  
88 17.6 0.0 32.8

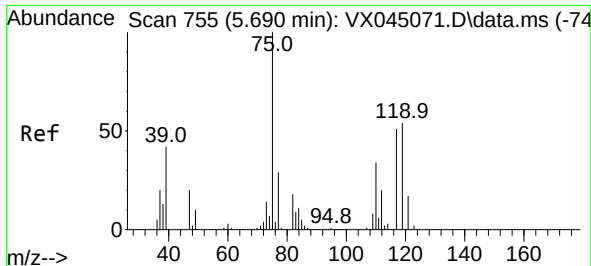


#35  
Dibromofluoromethane  
Concen: 51.004 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

Tgt Ion:113 Resp: 45405  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.8 122.6  
192 16.9 14.3 21.5



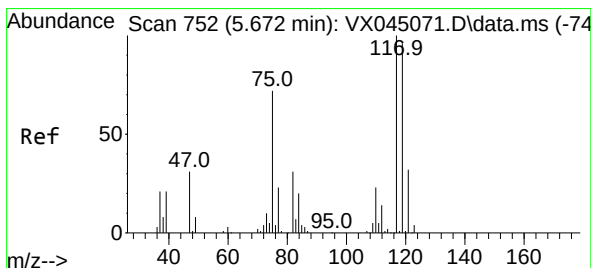
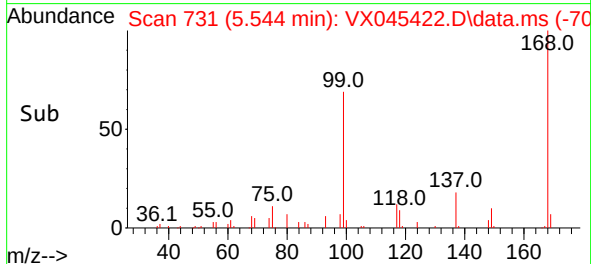
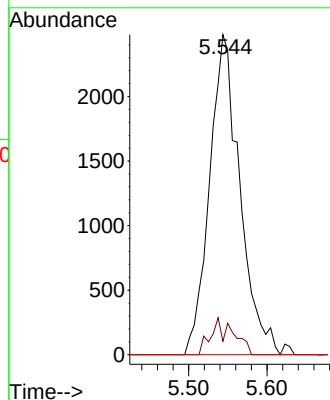
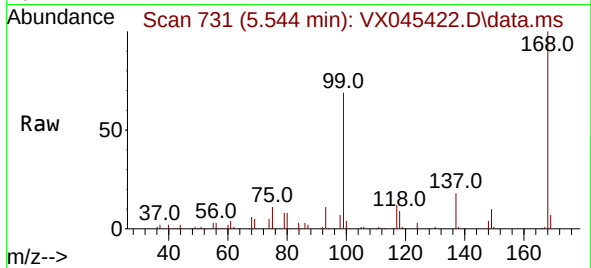




#36  
 1,1-Dichloropropene  
 Concen: 5.447 ug/l  
 RT: 5.544 min Scan# 711  
 Delta R.T. -0.146 min  
 Lab File: VX045422.D  
 Acq: 24 Mar 2025 18:00

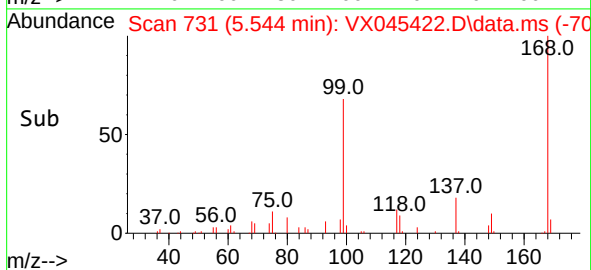
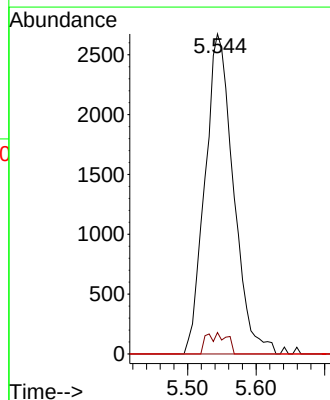
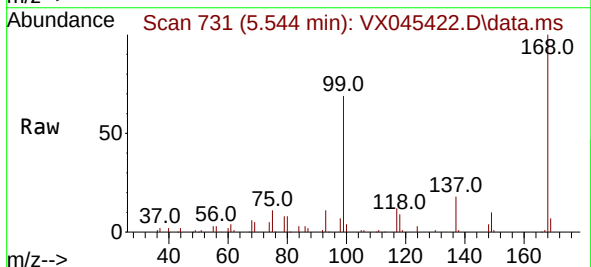
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT161S1-20250319

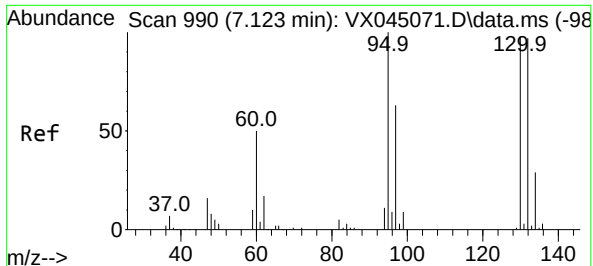
Tgt Ion: 75 Resp: 6650  
 Ion Ratio Lower Upper  
 75 100  
 110 4.4 16.9 50.6#  
 77 0.0 24.5 36.7#



#38  
 Carbon Tetrachloride  
 Concen: 6.231 ug/l  
 RT: 5.544 min Scan# 731  
 Delta R.T. -0.128 min  
 Lab File: VX045422.D  
 Acq: 24 Mar 2025 18:00

Tgt Ion: 117 Resp: 7723  
 Ion Ratio Lower Upper  
 117 100  
 119 6.7 76.7 115.1#  
 121 0.0 25.5 38.3#

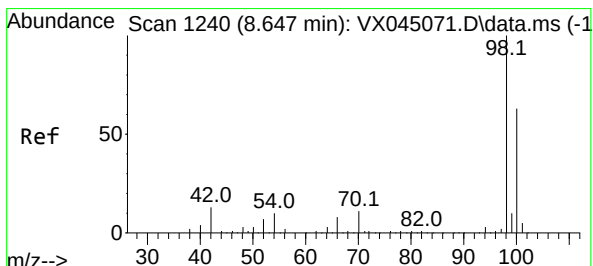
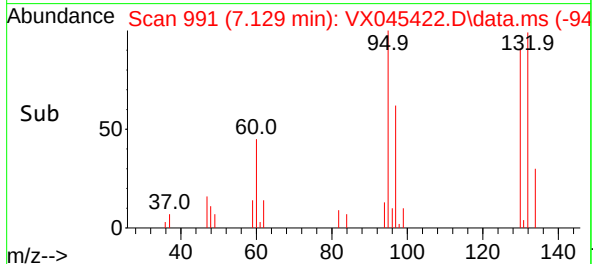
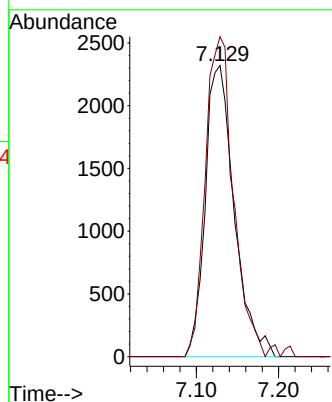
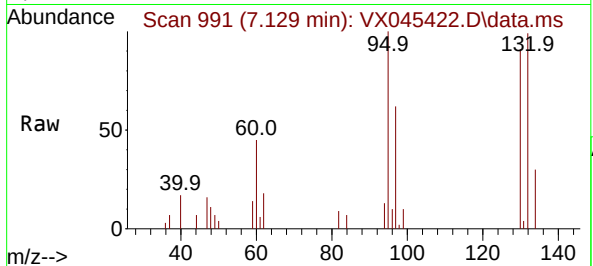




#44  
Trichloroethene  
Concen: 6.291 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

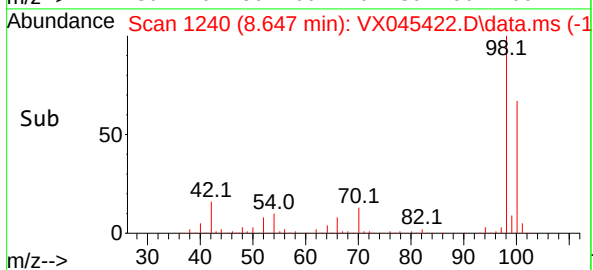
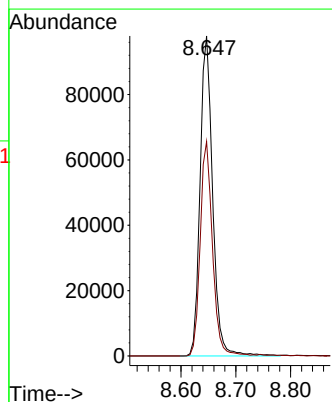
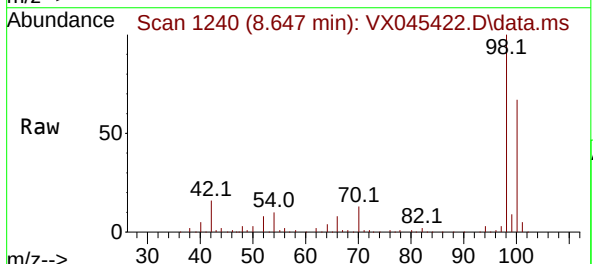
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT161S1-20250319

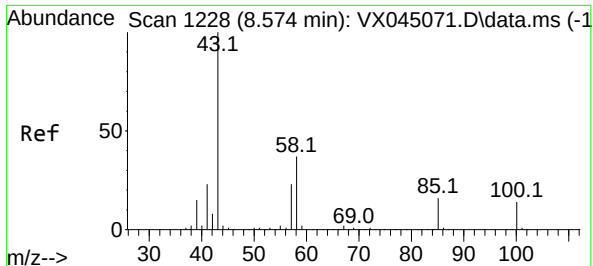
Tgt Ion:130 Resp: 5695  
Ion Ratio Lower Upper  
130 100  
95 109.9 0.0 205.0



#50  
Toluene-d8  
Concen: 48.335 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

Tgt Ion: 98 Resp: 155997  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.0 78.0

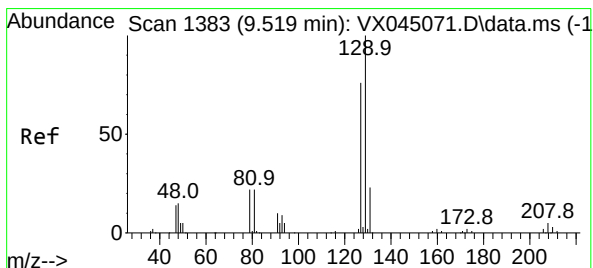
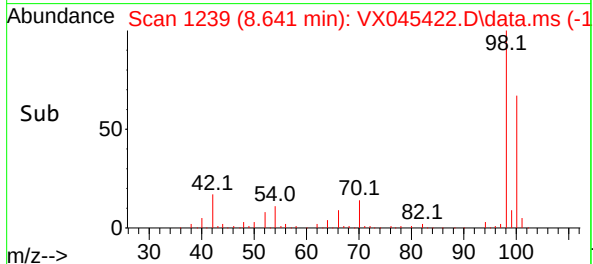
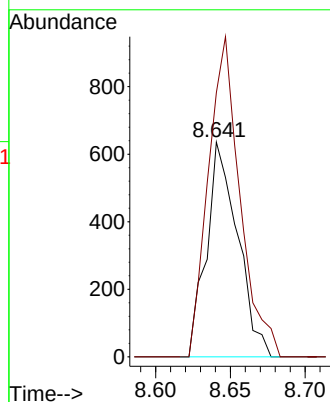
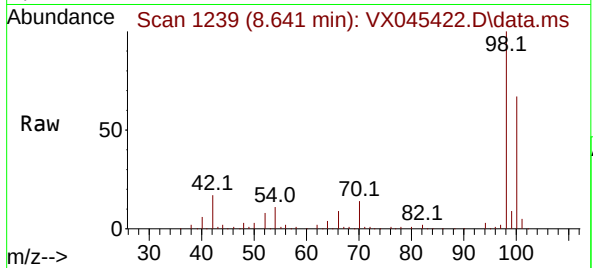




#51  
4-Methyl-2-Pentanone  
Concen: 0.588 ug/l  
RT: 8.641 min Scan# 11  
Delta R.T. 0.067 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

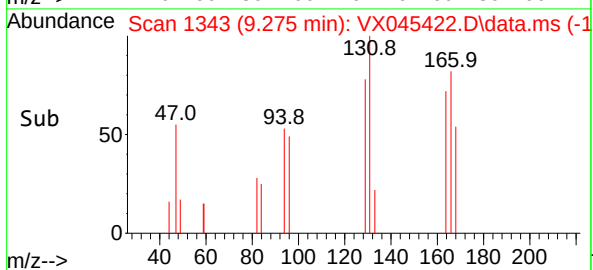
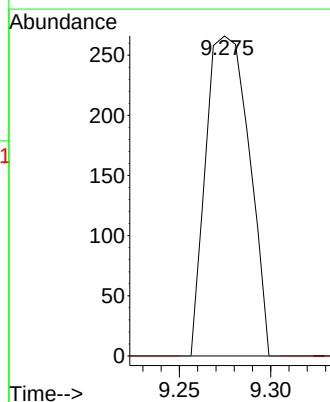
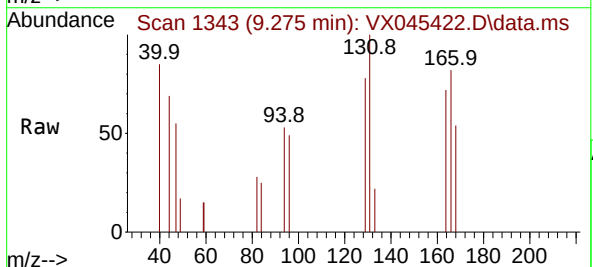
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT161S1-20250319

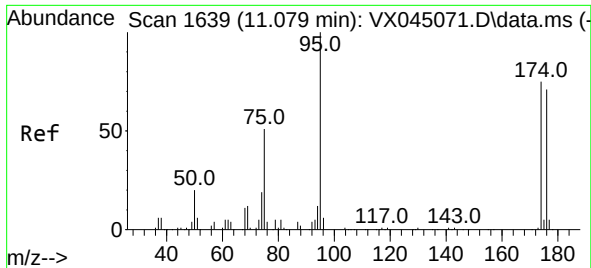
Tgt Ion: 43 Resp: 919  
Ion Ratio Lower Upper  
43 100  
58 151.8 29.2 43.8#



#60  
Dibromochloromethane  
Concen: 0.451 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.244 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

Tgt Ion: 129 Resp: 439  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#

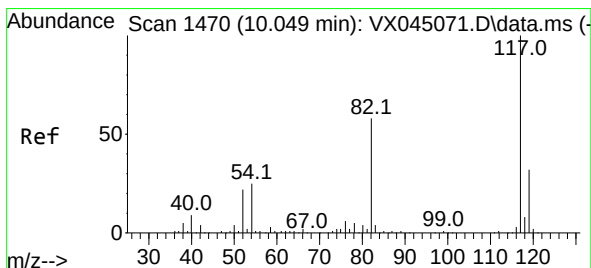
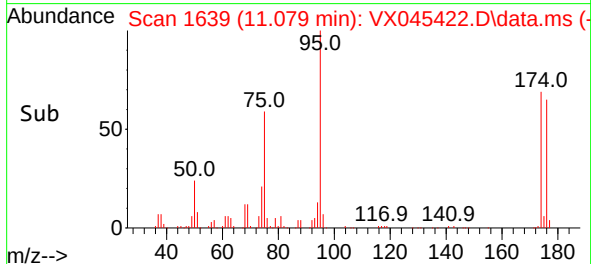
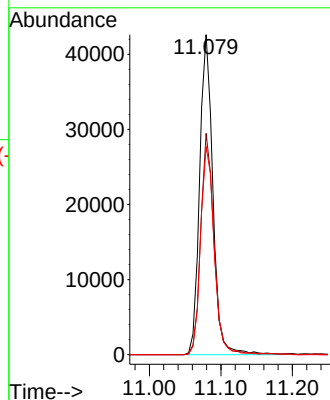
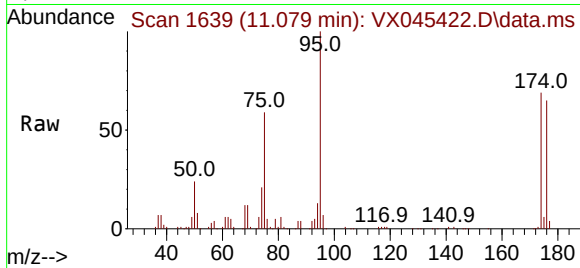




#62  
4-Bromofluorobenzene  
Concen: 51.208 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

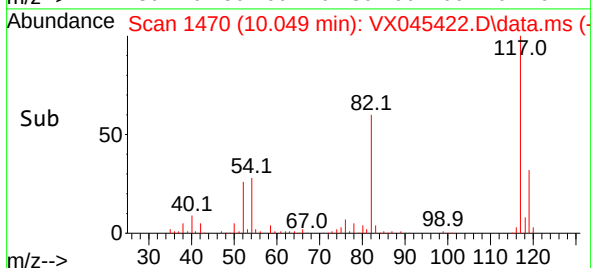
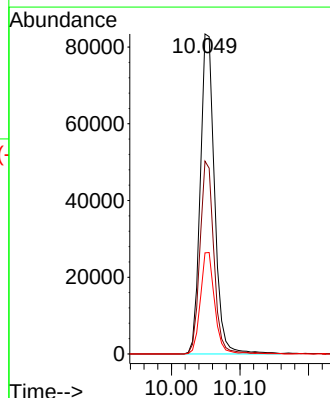
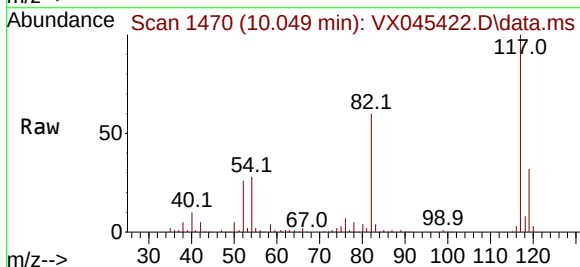
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT161S1-20250319

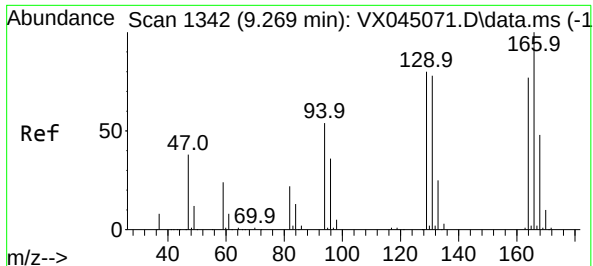
Tgt Ion: 95 Resp: 54765  
Ion Ratio Lower Upper  
95 100  
174 69.0 0.0 148.2  
176 67.4 0.0 141.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

Tgt Ion: 117 Resp: 121041  
Ion Ratio Lower Upper  
117 100  
82 60.2 46.3 69.5  
119 31.6 25.7 38.5

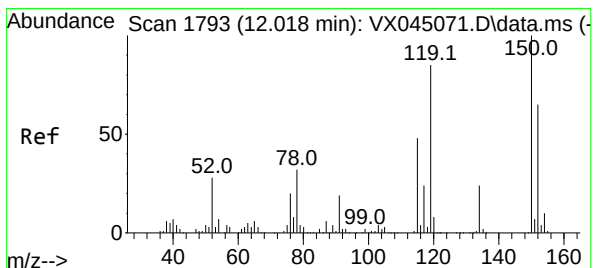
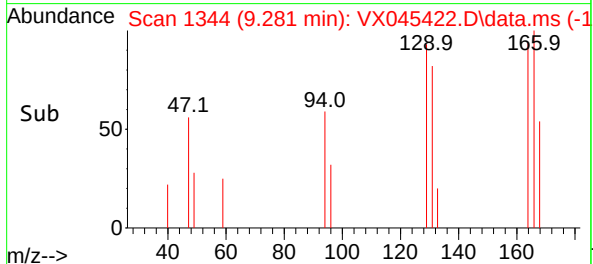
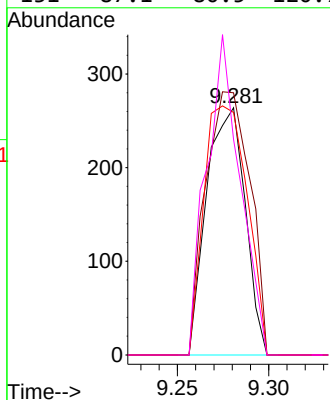
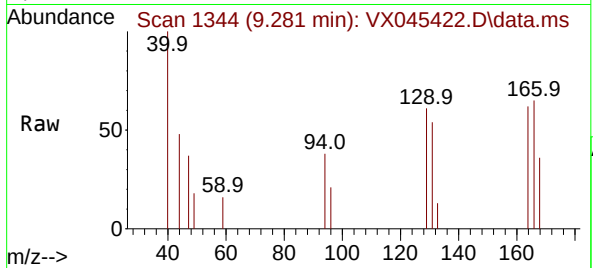




#64  
Tetrachloroethene  
Concen: 0.499 ug/l  
RT: 9.281 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

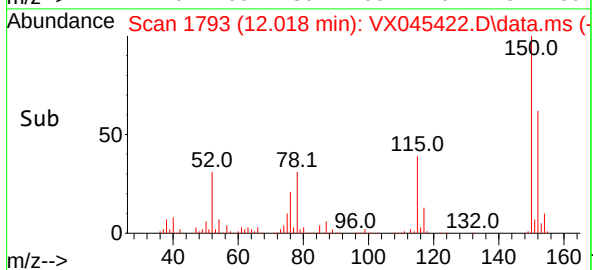
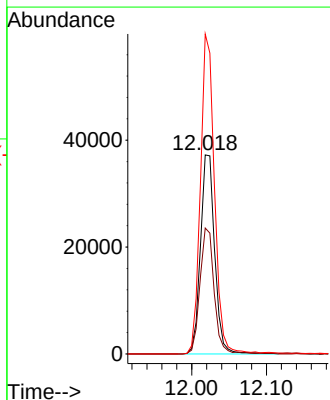
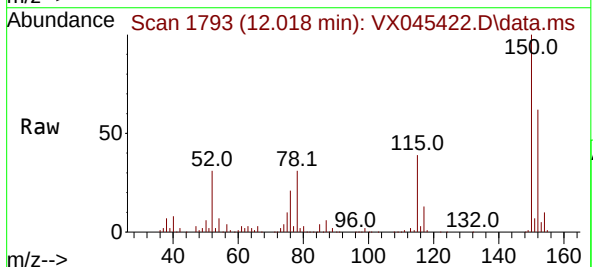
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT161S1-20250319

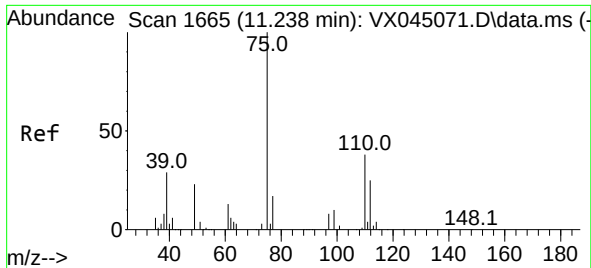
Tgt Ion:164 Resp: 387  
Ion Ratio Lower Upper  
164 100  
166 106.1 103.6 155.4  
129 98.1 82.7 124.1  
131 87.1 80.5 120.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

Tgt Ion:152 Resp: 49396  
Ion Ratio Lower Upper  
152 100  
115 63.1 44.2 132.6  
150 158.7 0.0 349.0

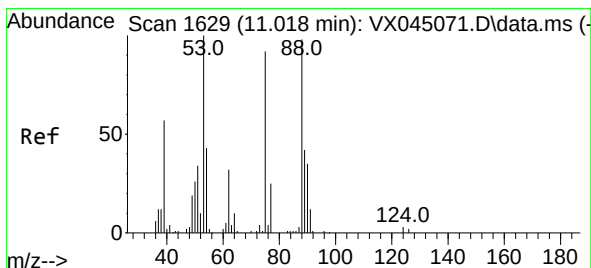
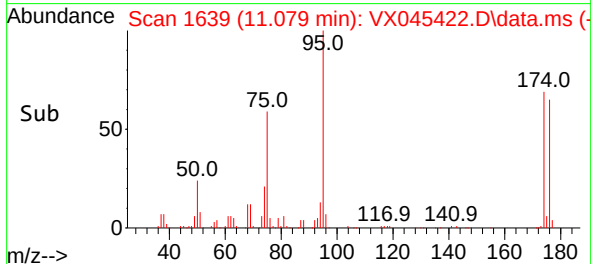
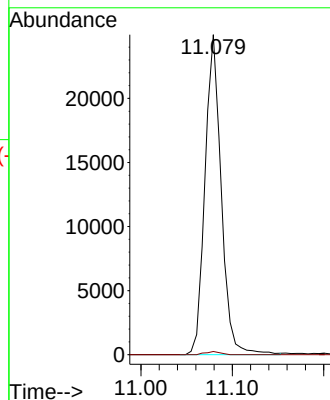
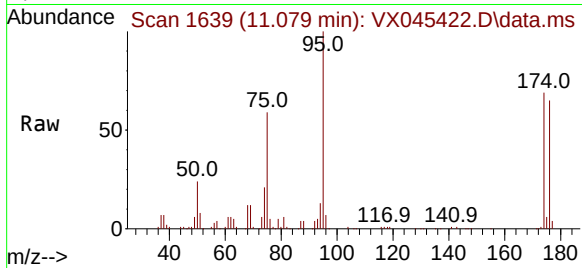




#76  
1,2,3-Trichloropropane  
Concen: 26.761 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT161S1-20250319

Tgt Ion: 75 Resp: 30767  
Ion Ratio Lower Upper  
75 100  
77 0.9 20.7 62.1#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 91.581 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX045422.D  
Acq: 24 Mar 2025 18:00

Tgt Ion: 75 Resp: 30767  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.5 132.7#  
89 0.0 36.2 54.4#

