

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032125\  
 Data File : VX045381.D  
 Acq On : 21 Mar 2025 12:31  
 Operator : JC/MD  
 Sample : Q1582-06 5X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D1-20250313DL

Quant Time: Mar 21 23:13:37 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

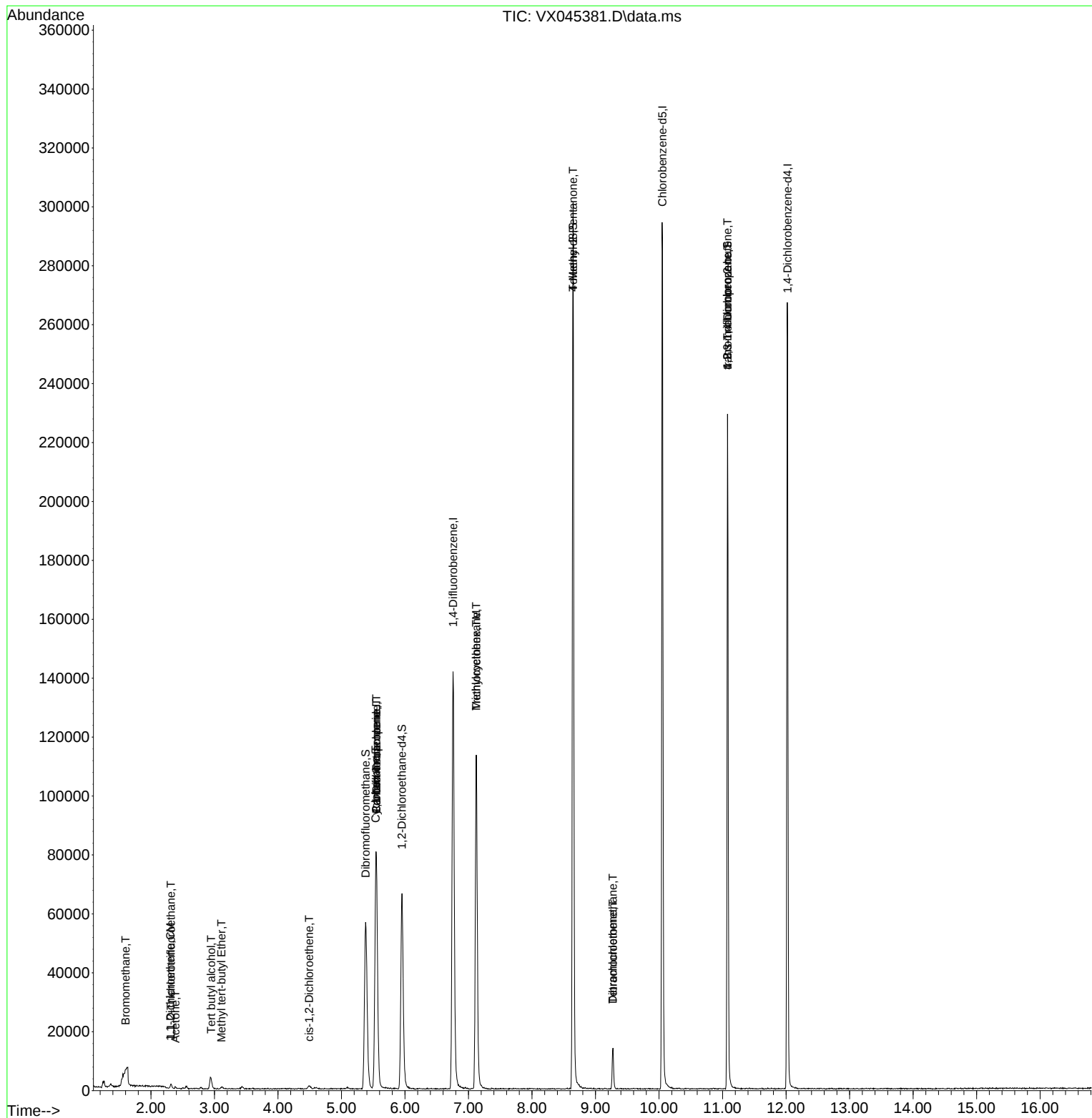
| Compound                      | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                         |           |       |          |          |        |          |
| Internal Standards            |           |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.549     | 168   | 70298    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757     | 114   | 138928   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 125925   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 52363    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952     | 65    | 64047    | 57.277   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery | =      | 114.560% |
| 35) Dibromofluoromethane      | 5.379     | 113   | 49958    | 53.778   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | =      | 107.560% |
| 50) Toluene-d8                | 8.646     | 98    | 168731   | 50.100   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery | =      | 100.200% |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 58561    | 52.474   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 77 - 121 | Recovery | =      | 104.940% |
| Target Compounds              |           |       |          |          |        |          |
|                               |           |       |          |          |        | Qvalue   |
| 5) Bromomethane               | 1.599     | 94    | 147      | 0.348    | ug/l # | 60       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.312     | 101   | 554      | 0.678    | ug/l   | 92       |
| 11) Tert butyl alcohol        | 2.946     | 59    | 2505     | 11.827   | ug/l # | 73       |
| 12) 1,1-Dichloroethene        | 2.306     | 96    | 192      | 0.222    | ug/l # | 50       |
| 16) Acetone                   | 2.385     | 43    | 446      | 0.860    | ug/l   | 95       |
| 19) Methyl tert-butyl Ether   | 3.111     | 73    | 724      | 0.250    | ug/l # | 52       |
| 27) cis-1,2-Dichloroethene    | 4.489     | 96    | 746      | 0.708    | ug/l   | 88       |
| 31) Cyclohexane               | 5.537     | 56    | 2151     | 1.414    | ug/l # | 52       |
| 36) 1,1-Dichloropropene       | 5.549     | 75    | 7021     | 5.511    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.549     | 117   | 8479     | 6.556    | ug/l # | 16       |
| 39) Methylcyclohexane         | 7.122     | 83    | 632      | 0.414    | ug/l # | 1        |
| 44) Trichloroethene           | 7.122     | 130   | 40486    | 42.859   | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.646     | 43    | 905      | 0.555    | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.274     | 129   | 2467     | 2.428    | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.274     | 164   | 2468     | 3.060    | ug/l   | 85       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 33664    | 27.622   | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 33664    | 94.526   | ug/l # | 6        |
| -----                         |           |       |          |          |        |          |

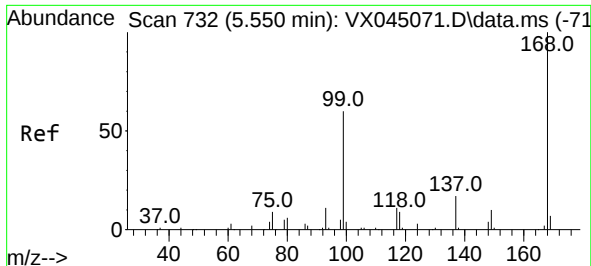
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032125\  
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Sample : Q1582-06 5X  
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RE131D1-20250313DL

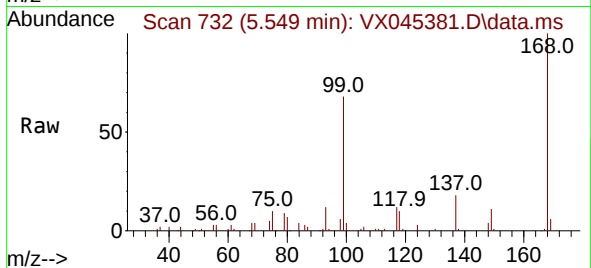
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Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration



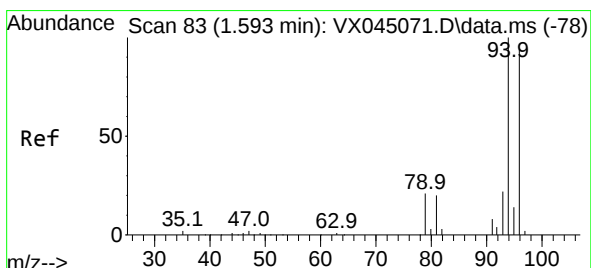
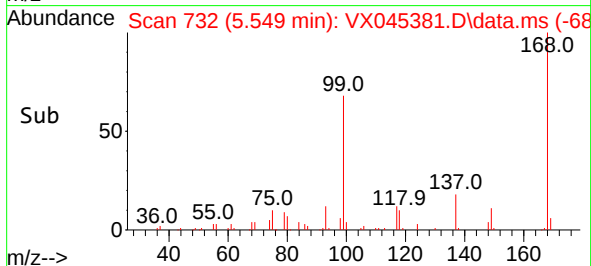
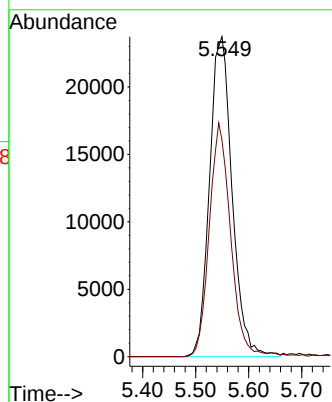


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D1-20250313DL

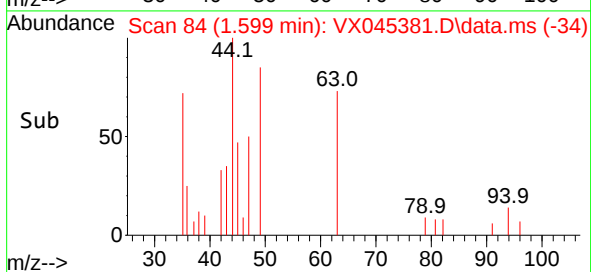
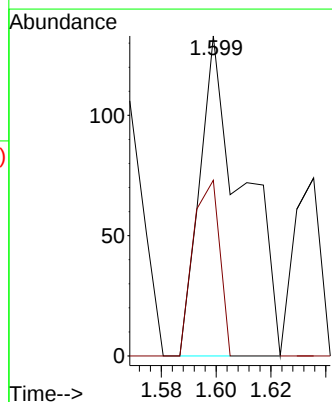
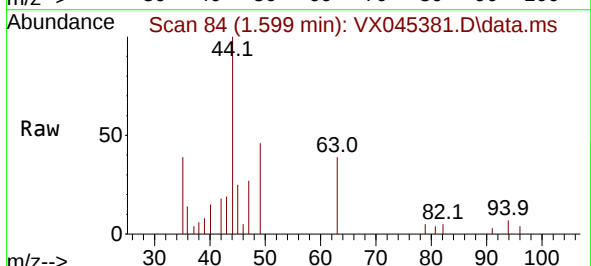


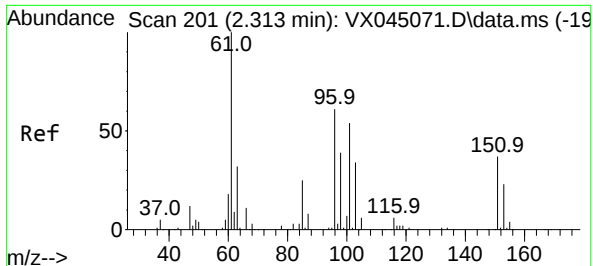
Tgt Ion:168 Resp: 70298  
Ion Ratio Lower Upper  
168 100  
99 67.7 48.2 72.4



#5  
Bromomethane  
Concen: 0.348 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

Tgt Ion: 94 Resp: 147  
Ion Ratio Lower Upper  
94 100  
96 54.9 75.0 112.4#

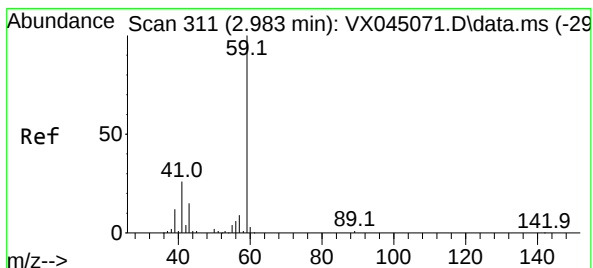
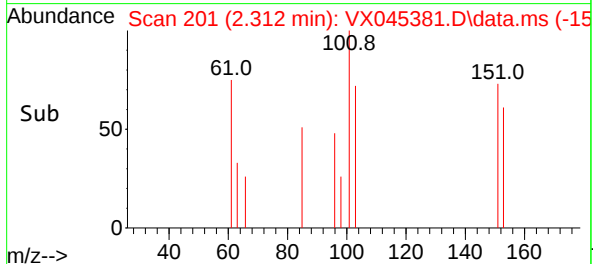
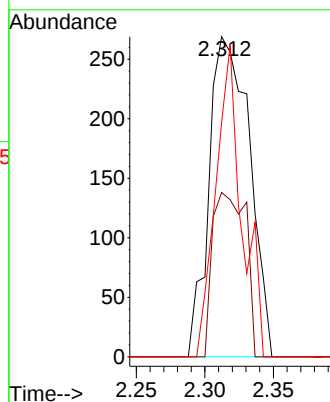
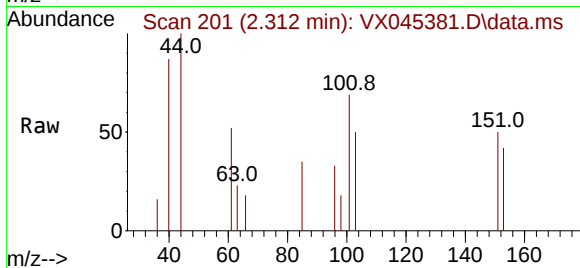




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.678 ug/l  
RT: 2.312 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

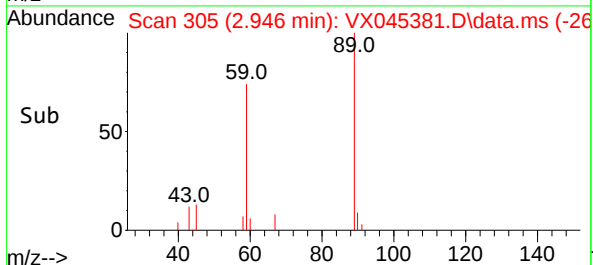
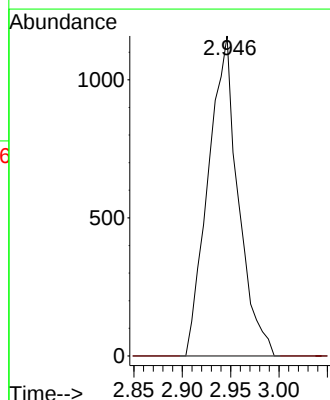
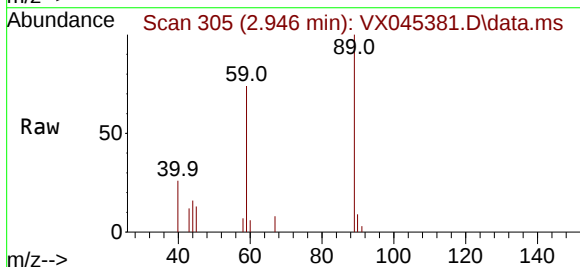
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D1-20250313DL

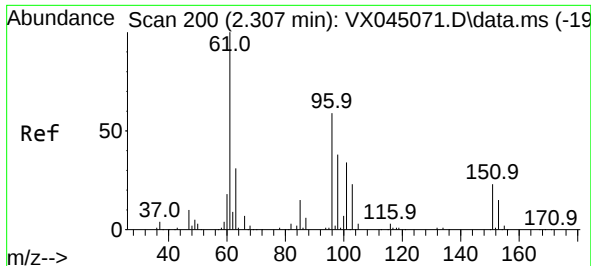
Tgt Ion:101 Resp: 554  
Ion Ratio Lower Upper  
101 100  
85 42.1 36.2 54.4  
151 62.3 56.4 84.6



#11  
Tert butyl alcohol  
Concen: 11.827 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.037 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

Tgt Ion: 59 Resp: 2505  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

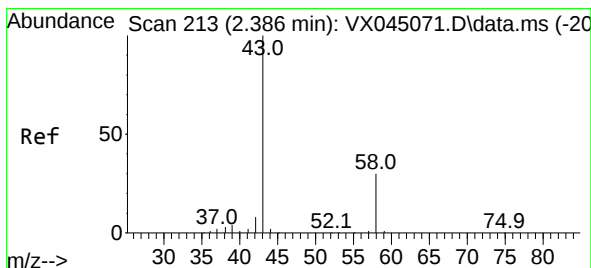
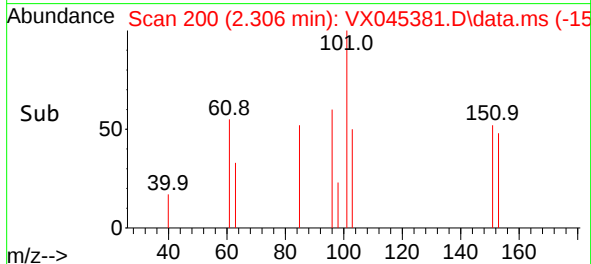
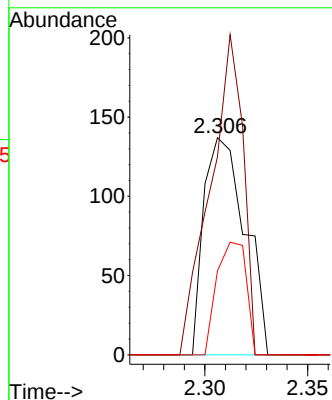
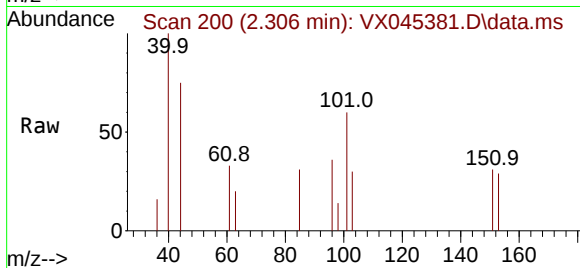




#12  
1,1-Dichloroethene  
Concen: 0.222 ug/l  
RT: 2.306 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

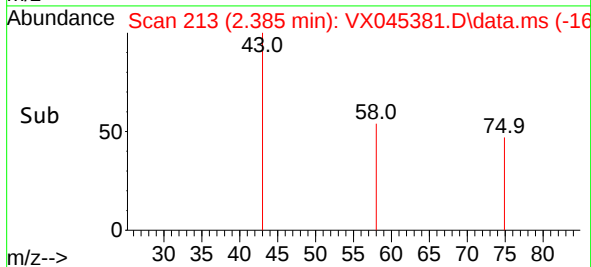
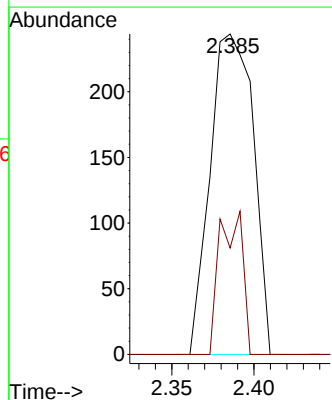
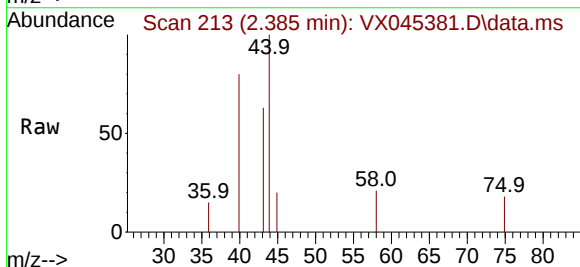
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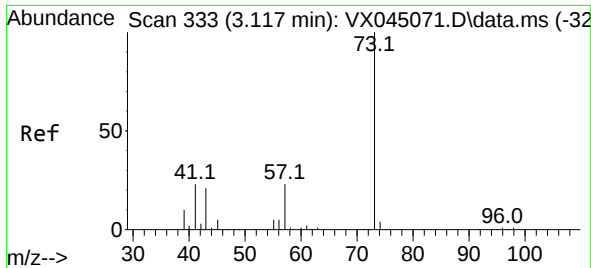
Tgt Ion: 96 Resp: 192  
Ion Ratio Lower Upper  
96 100  
61 91.2 134.6 202.0#  
98 38.7 51.0 76.6#



#16  
Acetone  
Concen: 0.860 ug/l  
RT: 2.385 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

Tgt Ion: 43 Resp: 446  
Ion Ratio Lower Upper  
43 100  
58 33.2 24.2 36.4

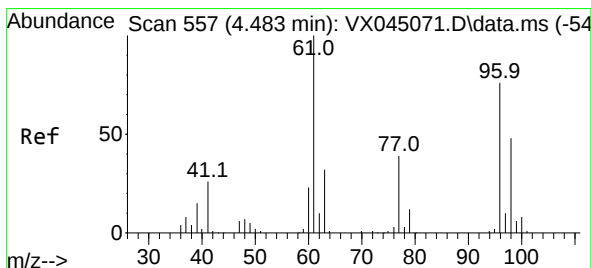
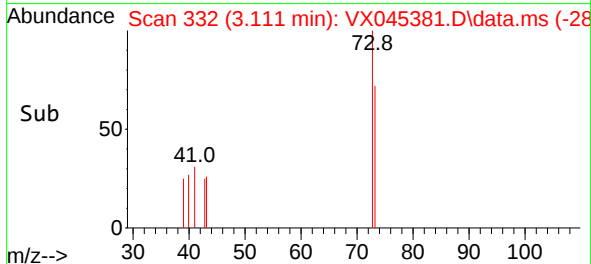
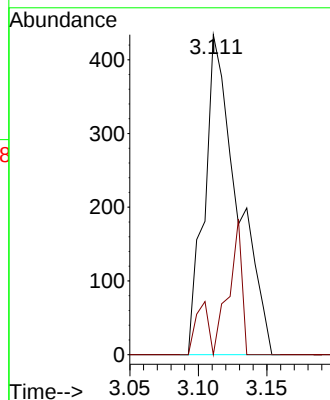
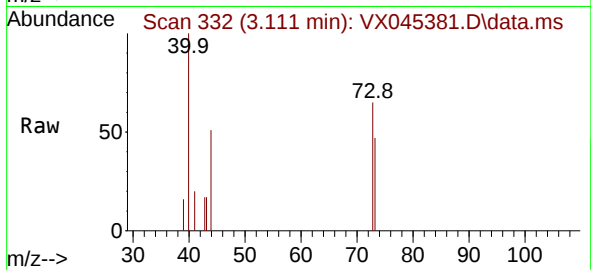




#19  
Methyl tert-butyl Ether  
Concen: 0.250 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

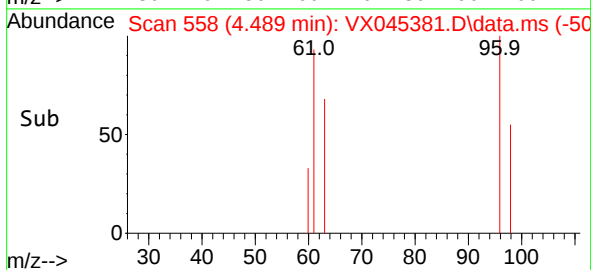
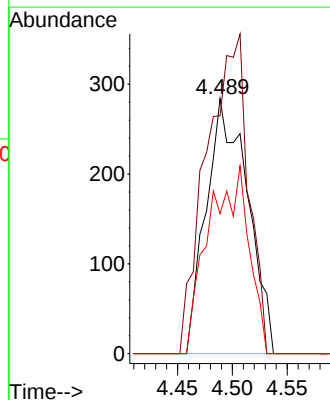
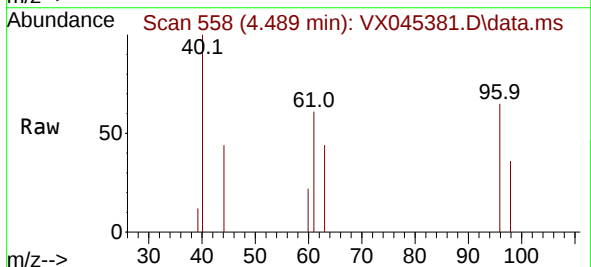
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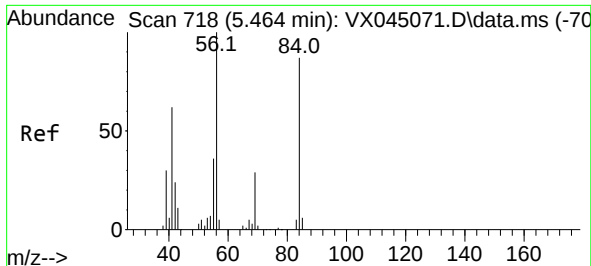
Tgt Ion: 73 Resp: 724  
Ion Ratio Lower Upper  
73 100  
57 0.0 18.5 27.7#



#27  
cis-1,2-Dichloroethene  
Concen: 0.708 ug/l  
RT: 4.489 min Scan# 558  
Delta R.T. 0.006 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

Tgt Ion: 96 Resp: 746  
Ion Ratio Lower Upper  
96 100  
61 126.1 0.0 283.2  
98 71.2 0.0 128.0

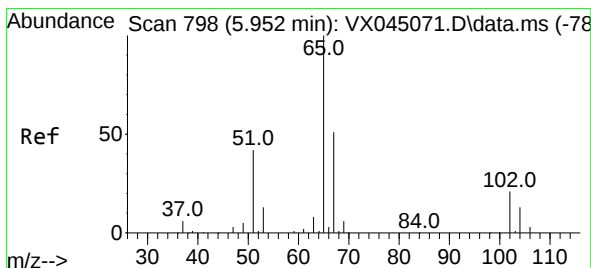
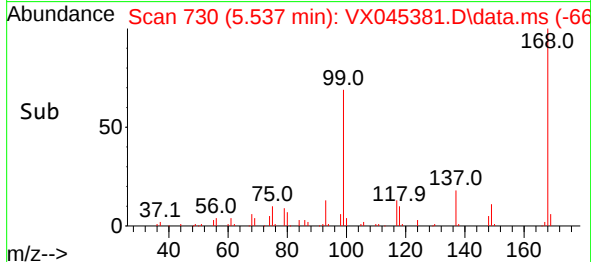
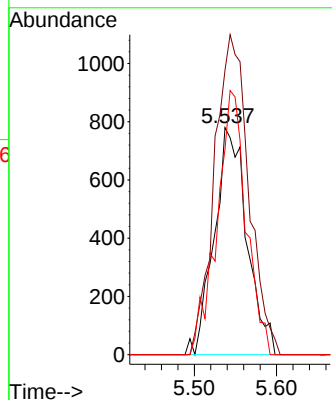
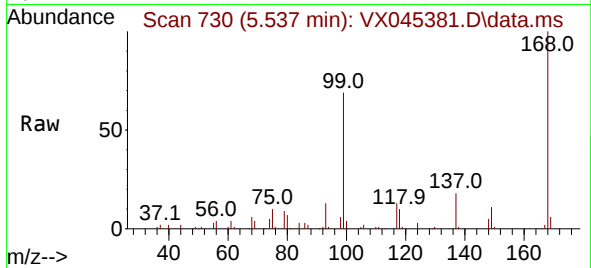




#31  
Cyclohexane  
Concen: 1.414 ug/l  
RT: 5.537 min Scan# 718  
Delta R.T. 0.073 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

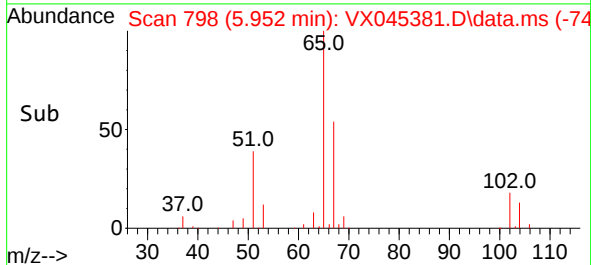
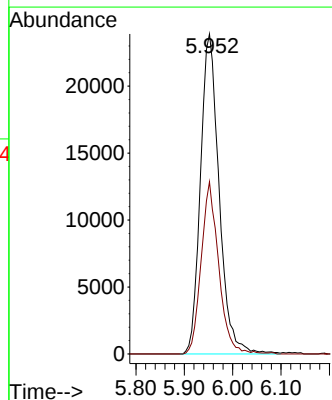
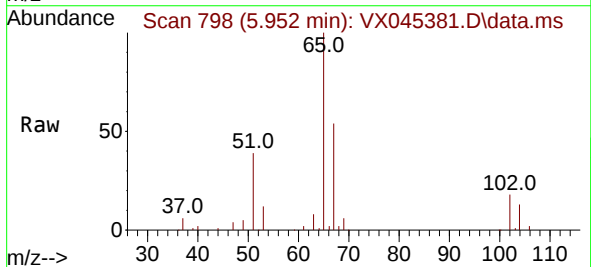
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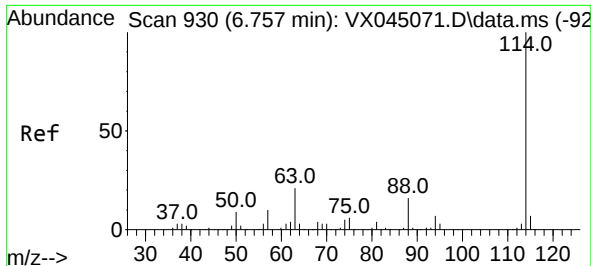
Tgt Ion: 56 Resp: 2151  
Ion Ratio Lower Upper  
56 100  
69 125.3 23.4 35.2#  
84 90.4 69.4 104.2



#33  
1,2-Dichloroethane-d4  
Concen: 57.277 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

Tgt Ion: 65 Resp: 64047  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 106.2

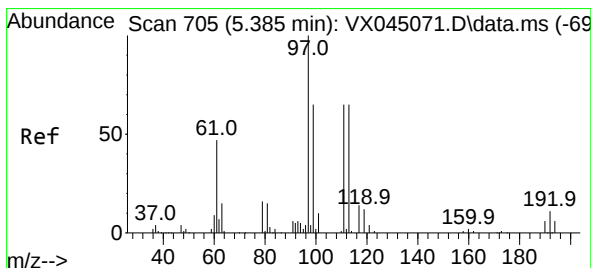
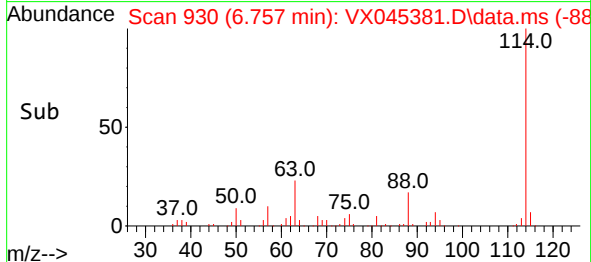
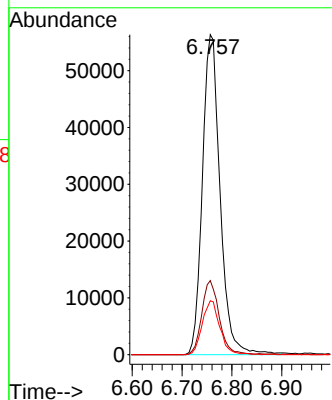
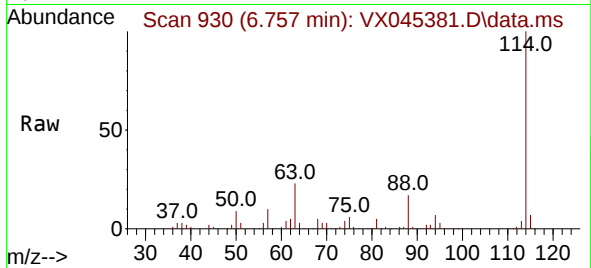




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

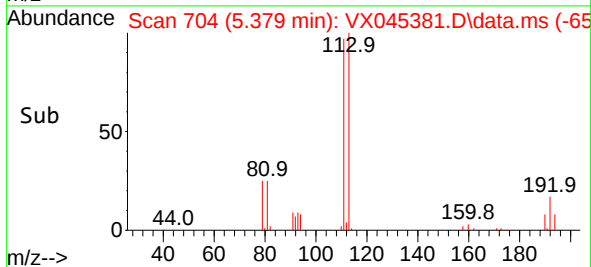
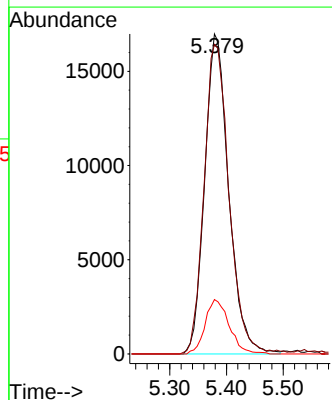
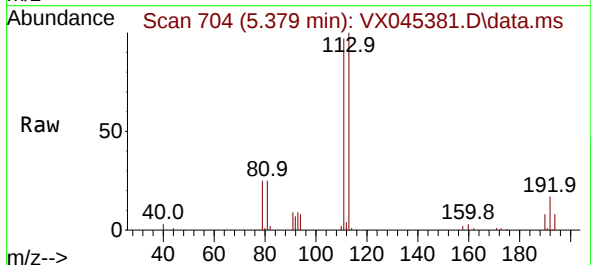
Instrument :  
MSVOA\_X  
ClientSampleId :  
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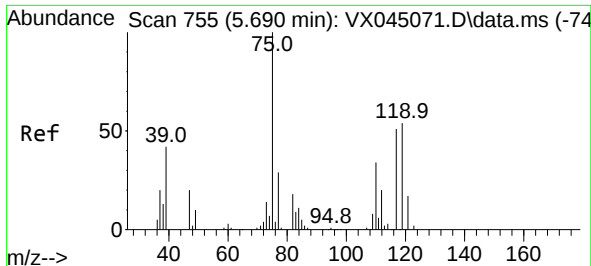
Tgt Ion:114 Resp: 138928  
Ion Ratio Lower Upper  
114 100  
63 23.2 0.0 41.8  
88 16.8 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 53.778 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

Tgt Ion:113 Resp: 49958  
Ion Ratio Lower Upper  
113 100  
111 100.5 81.8 122.6  
192 17.0 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.511 ug/l

RT: 5.549 min Scan# 712

Delta R.T. -0.141 min

Lab File: VX045381.D

Acq: 21 Mar 2025 12:31

Instrument :

MSVOA\_X

ClientSampleId :

RE131D1-20250313DL

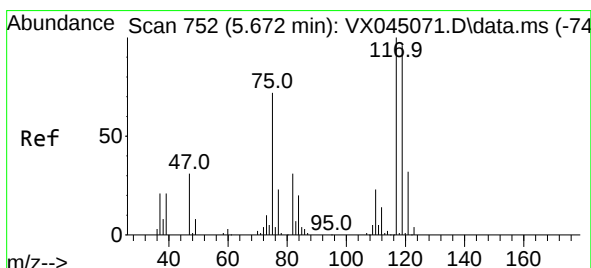
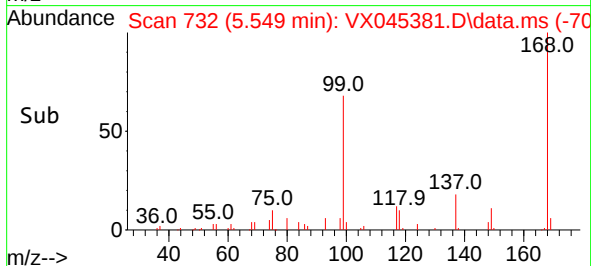
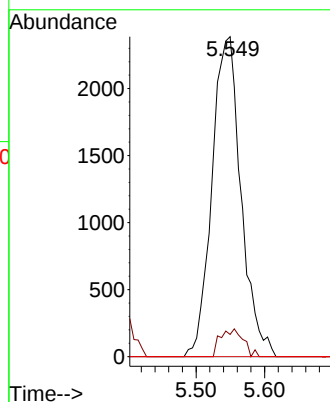
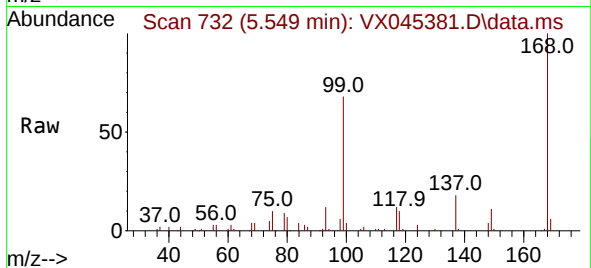
Tgt Ion: 75 Resp: 7021

Ion Ratio Lower Upper

75 100

110 6.9 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.556 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045381.D

Acq: 21 Mar 2025 12:31

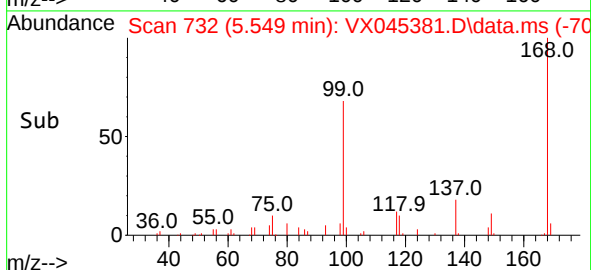
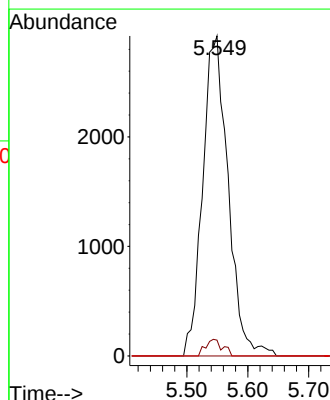
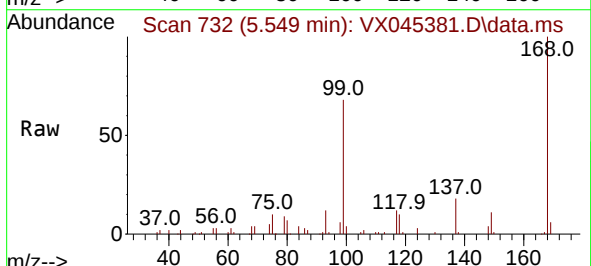
Tgt Ion: 117 Resp: 8479

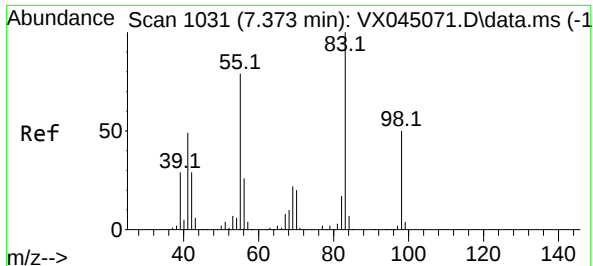
Ion Ratio Lower Upper

117 100

119 4.9 76.7 115.1#

121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.414 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX045381.D

Acq: 21 Mar 2025 12:31

Instrument :

MSVOA\_X

ClientSampleId :

RE131D1-20250313DL

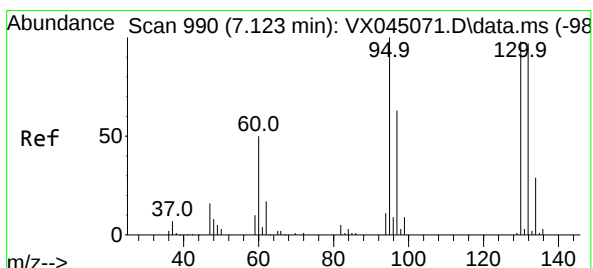
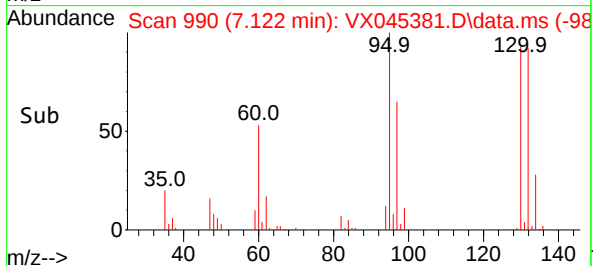
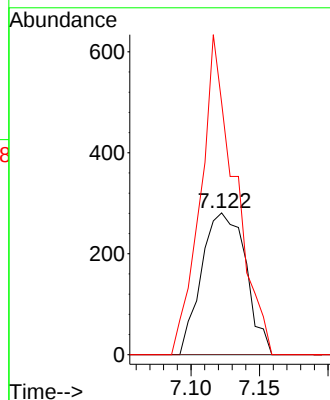
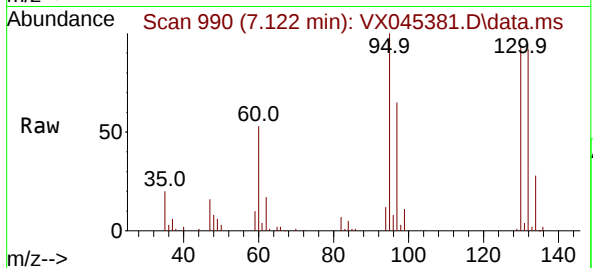
Tgt Ion: 83 Resp: 632

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 177.6 39.7 59.5#



#44

Trichloroethene

Concen: 42.859 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045381.D

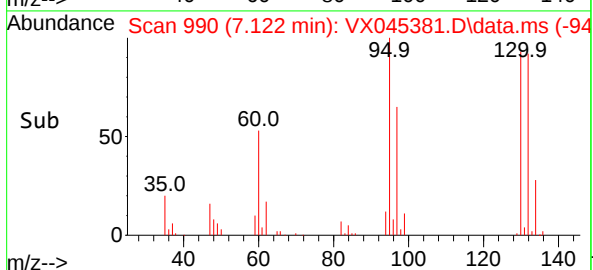
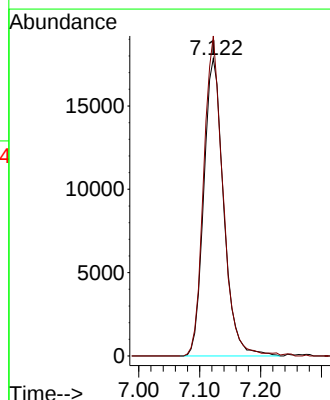
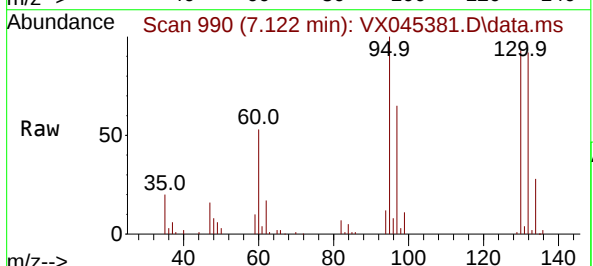
Acq: 21 Mar 2025 12:31

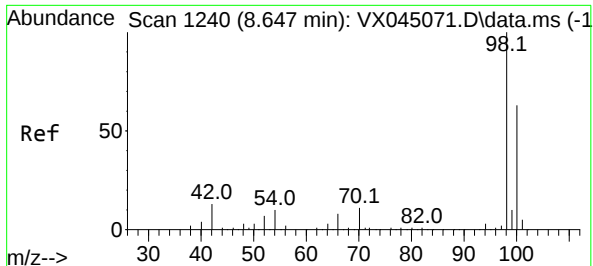
Tgt Ion:130 Resp: 40486

Ion Ratio Lower Upper

130 100

95 107.5 0.0 205.0

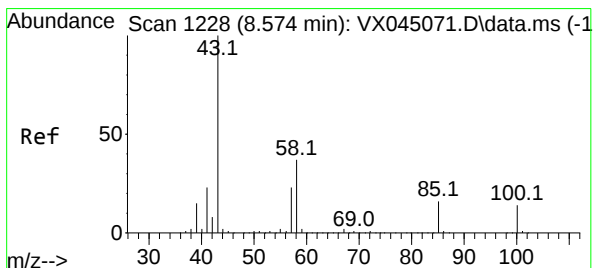
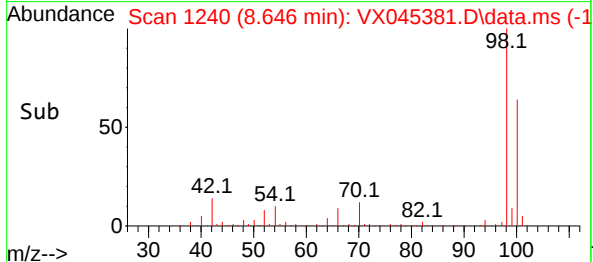
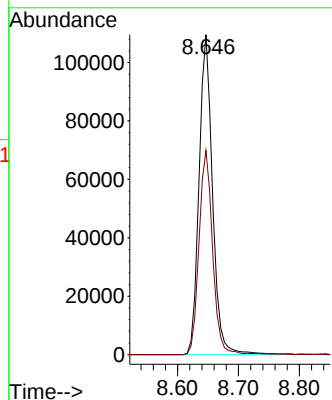
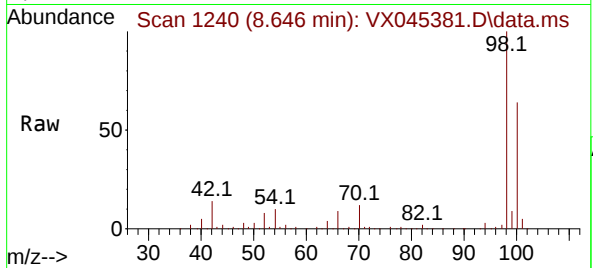




#50  
Toluene-d8  
Concen: 50.100 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

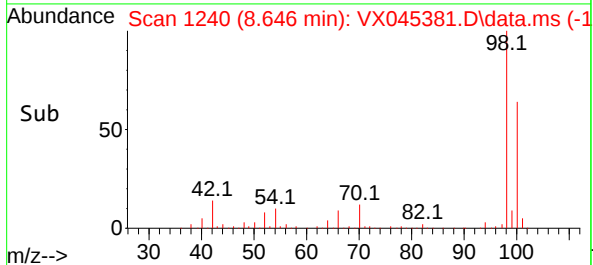
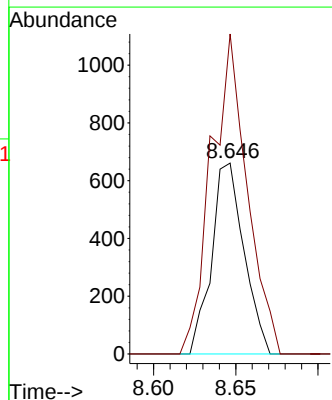
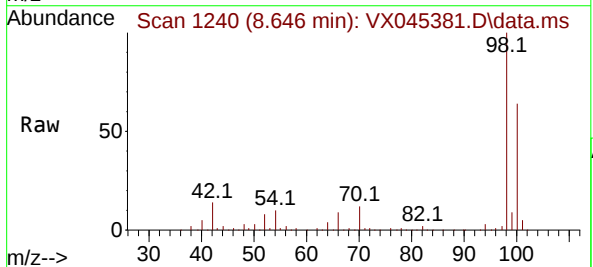
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D1-20250313DL

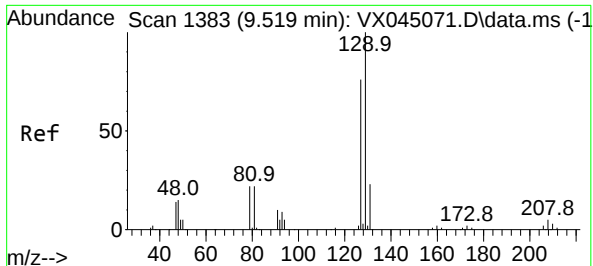
Tgt Ion: 98 Resp: 168731  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 0.555 ug/l  
RT: 8.646 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

Tgt Ion: 43 Resp: 905  
Ion Ratio Lower Upper  
43 100  
58 185.4 29.2 43.8#

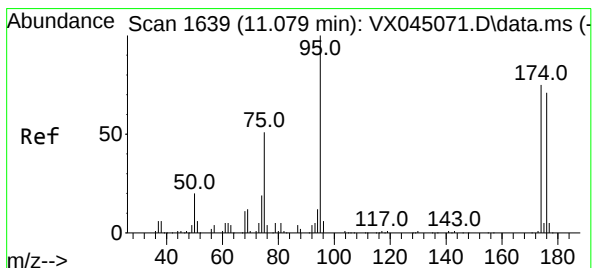
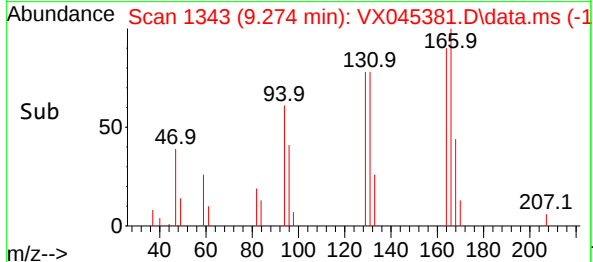
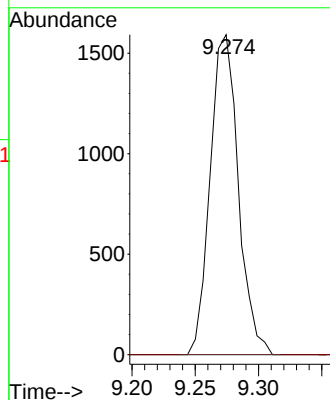
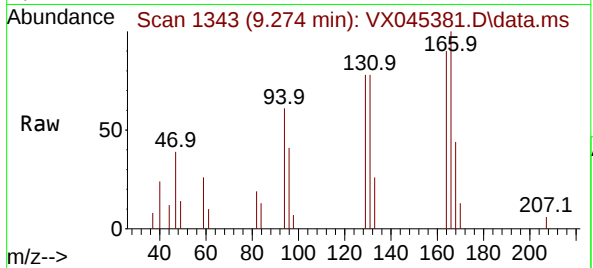




#60  
Dibromochloromethane  
Concen: 2.428 ug/l  
RT: 9.274 min Scan# 11  
Delta R.T. -0.244 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

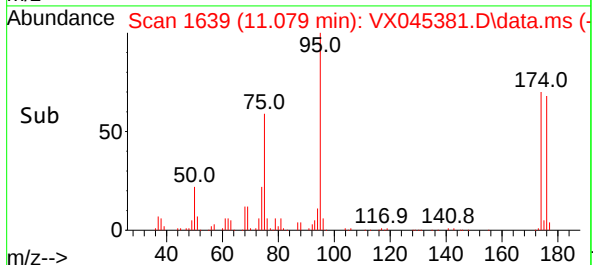
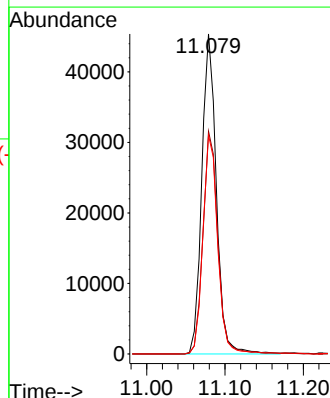
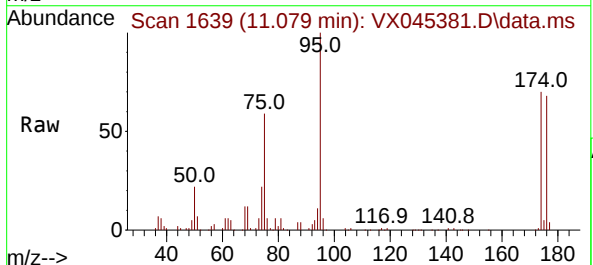
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D1-20250313DL

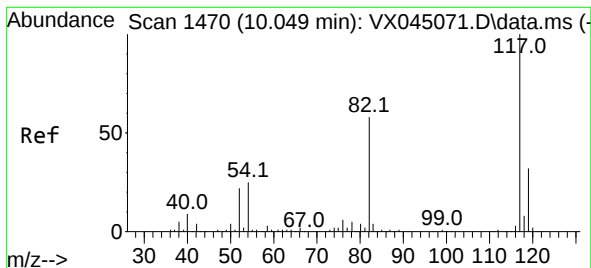
Tgt Ion:129 Resp: 2467  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#



#62  
4-Bromofluorobenzene  
Concen: 52.474 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

Tgt Ion: 95 Resp: 58561  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 148.2  
176 69.4 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045381.D

Acq: 21 Mar 2025 12:31

Instrument :

MSVOA\_X

ClientSampleId :

RE131D1-20250313DL

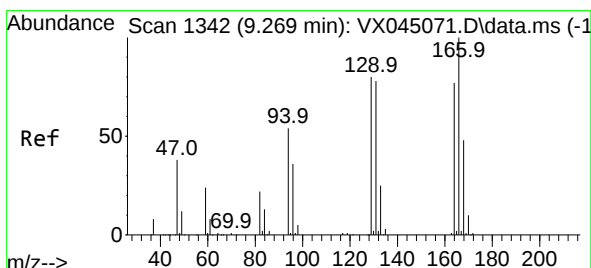
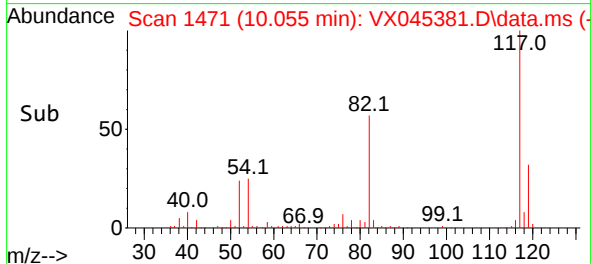
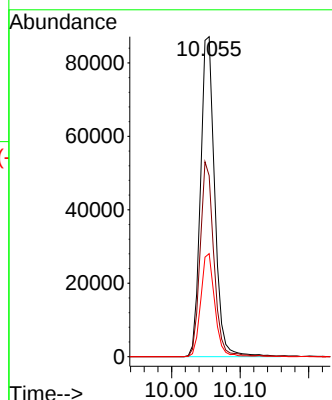
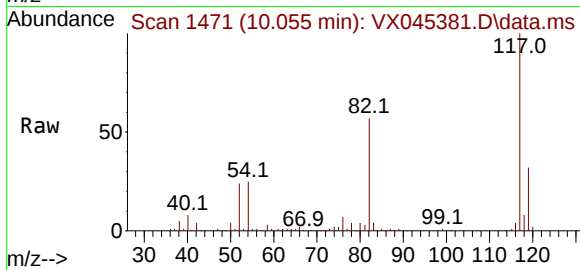
Tgt Ion:117 Resp: 125925

Ion Ratio Lower Upper

117 100

82 56.6 46.3 69.5

119 32.2 25.7 38.5



#64

Tetrachloroethene

Concen: 3.060 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX045381.D

Acq: 21 Mar 2025 12:31

Tgt Ion:164 Resp: 2468

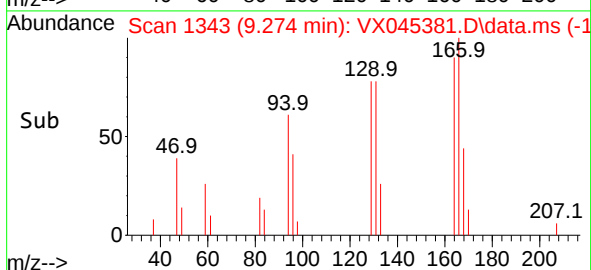
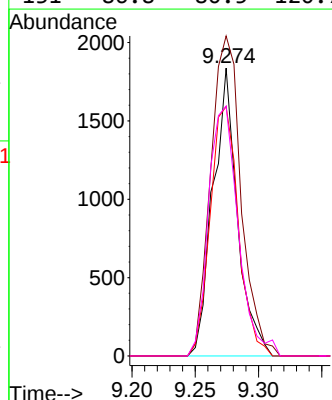
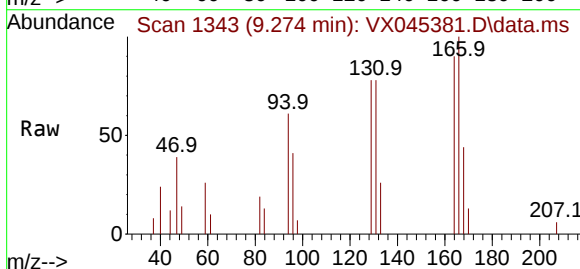
Ion Ratio Lower Upper

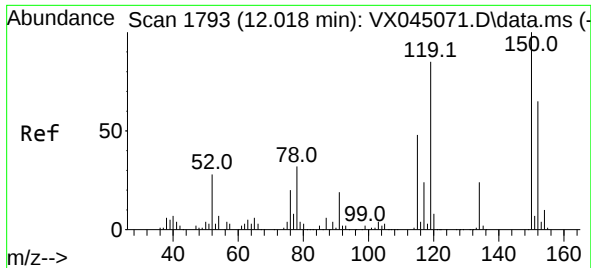
164 100

166 111.2 103.6 155.4

129 86.7 82.7 124.1

131 86.8 80.5 120.7

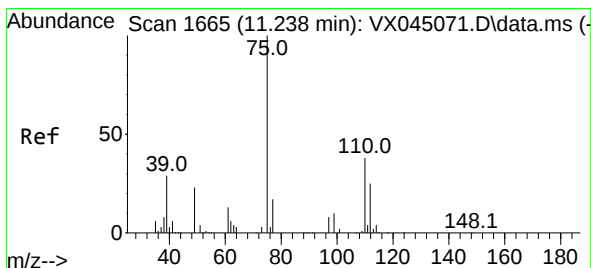
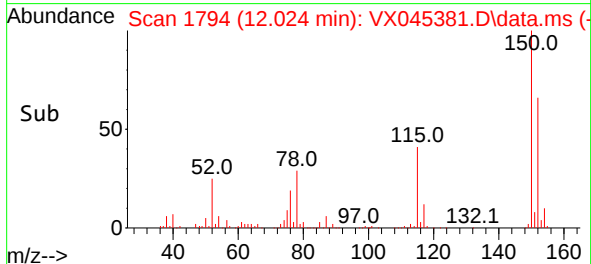
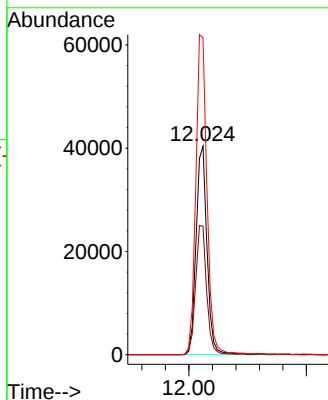
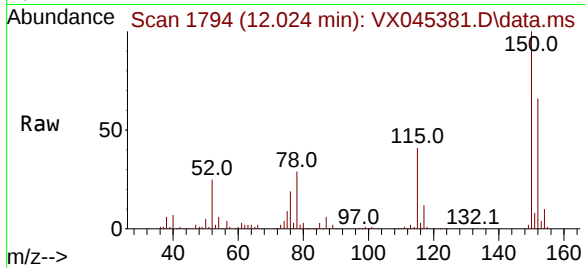




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX045381.D  
 Acq: 21 Mar 2025 12:31

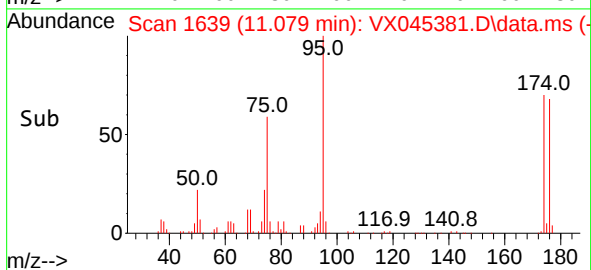
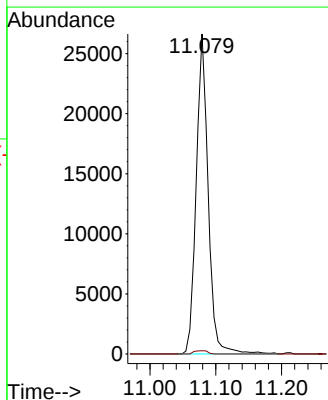
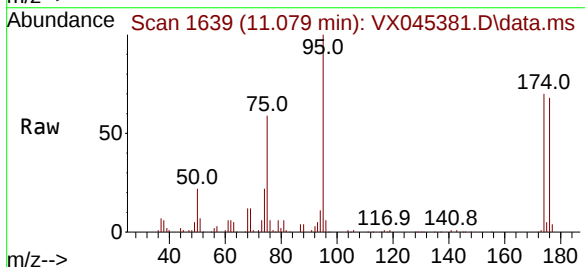
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE131D1-20250313DL

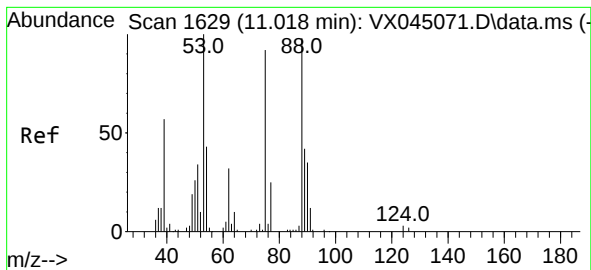
Tgt Ion:152 Resp: 52363  
 Ion Ratio Lower Upper  
 152 100  
 115 62.3 44.2 132.6  
 150 156.0 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 27.622 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX045381.D  
 Acq: 21 Mar 2025 12:31

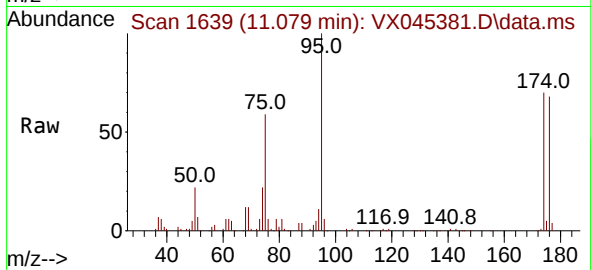
Tgt Ion: 75 Resp: 33664  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 20.7 62.1#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 94.526 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX045381.D  
Acq: 21 Mar 2025 12:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE131D1-20250313DL



Tgt Ion: 75 Resp: 33664  
Ion Ratio Lower Upper  
75 100  
53 0.0 88.5 132.7#  
89 0.0 36.2 54.4#

