

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092525\  
 Data File : VX047805.D  
 Acq On : 25 Sep 2025 12:49  
 Operator : JC/MD  
 Sample : Q3165-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-184-DUP-20250922

Quant Time: Sep 26 01:26:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 17 06:39:58 2025  
 Response via : Initial Calibration

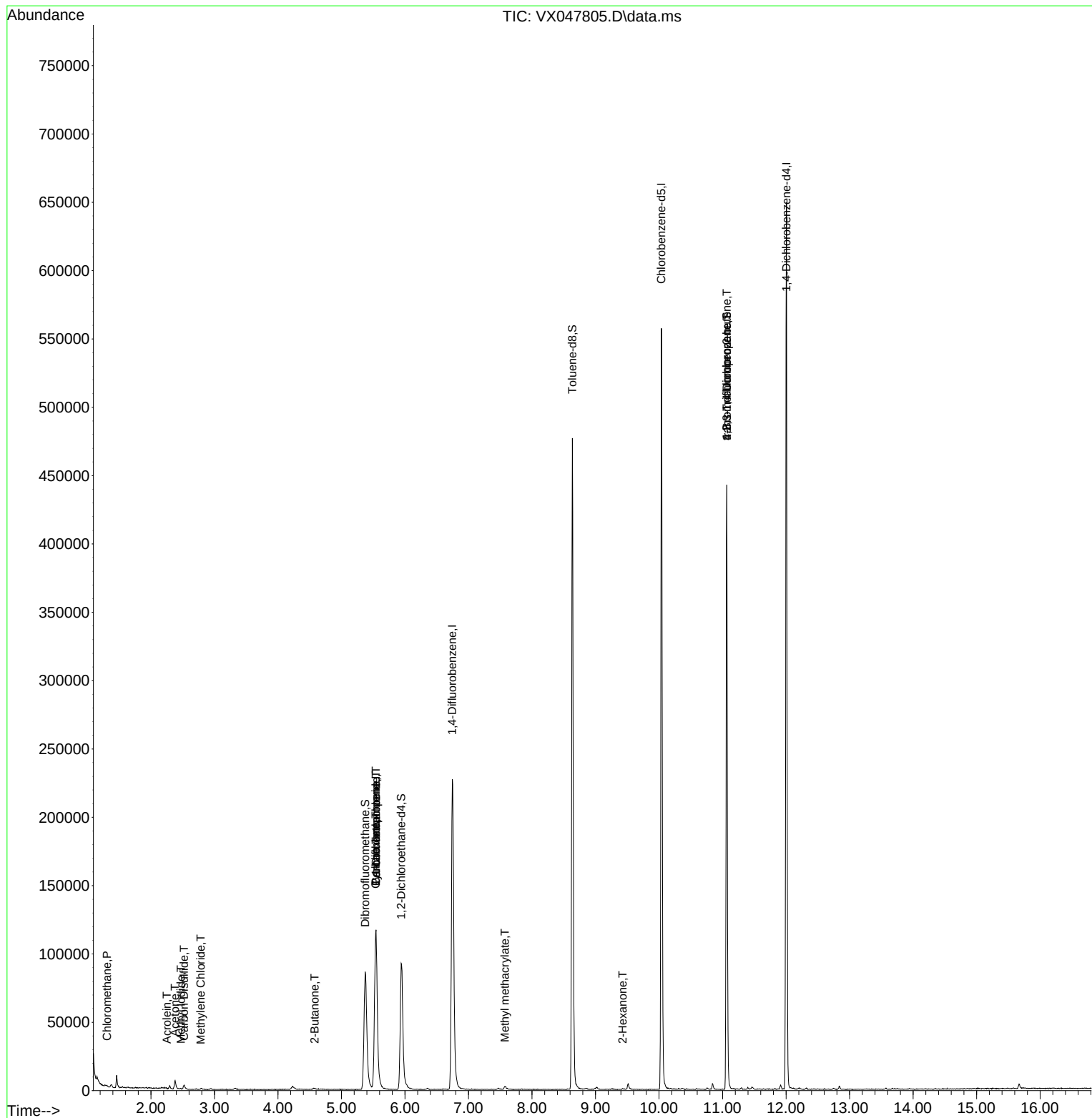
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.543          | 168  | 118043              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.744          | 114  | 252631              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.036         | 117  | 261796              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006         | 152  | 135087              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.940          | 65   | 102254              | 54.421 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 108.840% |        |        |          |
| 35) Dibromofluoromethane      | 5.373          | 113  | 84610               | 49.939 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 99.880%  |        |        |          |
| 50) Toluene-d8                | 8.634          | 98   | 288250              | 49.168 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 98.340%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.067         | 95   | 123534              | 55.522 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 111.040% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 3) Chloromethane              | 1.306          | 50   | 1013                | 0.631  | ug/l   | 99       |
| 10) Methyl Iodide             | 2.471          | 142  | 529                 | 0.248  | ug/l # | 81       |
| 13) Acrolein                  | 2.251          | 56   | 44                  | 0.228  | ug/l # | 46       |
| 16) Acetone                   | 2.379          | 43   | 7787                | 9.532  | ug/l   | 95       |
| 17) Carbon Disulfide          | 2.519          | 76   | 3075                | 0.801  | ug/l   | 98       |
| 20) Methylene Chloride        | 2.782          | 84   | 462                 | 0.267  | ug/l # | 65       |
| 25) 2-Butanone                | 4.574          | 43   | 2427                | 2.382  | ug/l # | 71       |
| 31) Cyclohexane               | 5.537          | 56   | 2740                | 1.104  | ug/l # | 25       |
| 36) 1,1-Dichloropropene       | 5.543          | 75   | 9694                | 3.916  | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.543          | 117  | 12835               | 4.771  | ug/l # | 17       |
| 48) Methyl methacrylate       | 7.573          | 41   | 694                 | 0.320  | ug/l # | 36       |
| 59) 2-Hexanone                | 9.427          | 43   | 669                 | 0.386  | ug/l # | 62       |
| 76) 1,2,3-Trichloropropane    | 11.067         | 75   | 64387               | 23.541 | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.067         | 75   | 64387               | 60.033 | ug/l # | 8        |
| -----                         |                |      |                     |        |        |          |

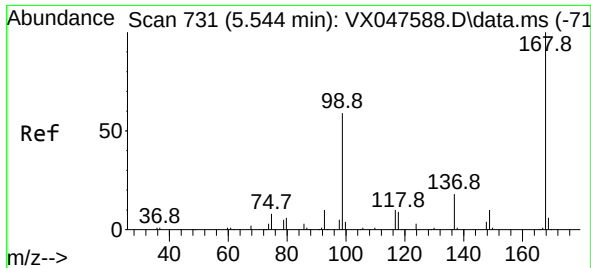
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 17 06:39:58 2025  
Response via : Initial Calibration

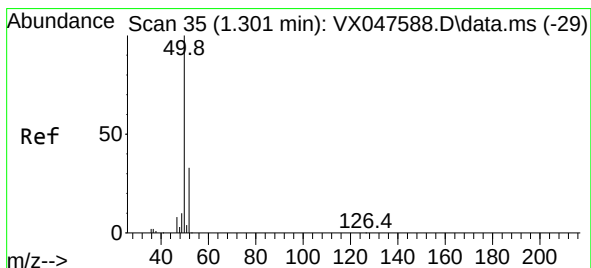
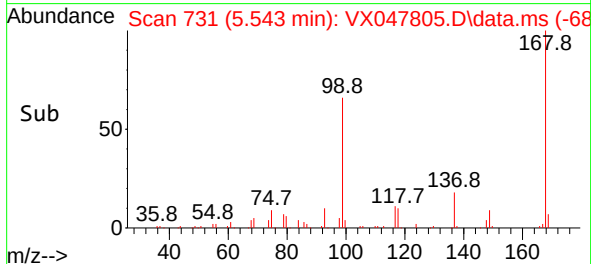
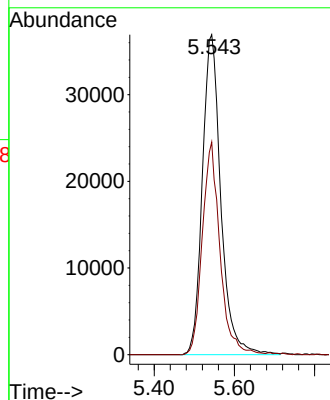
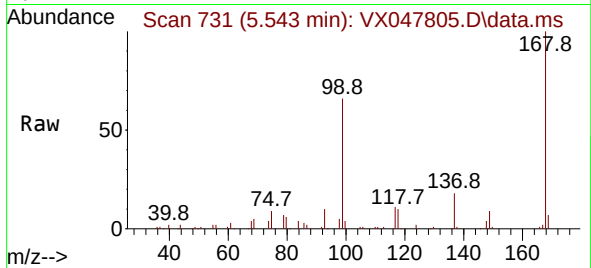




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.543 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

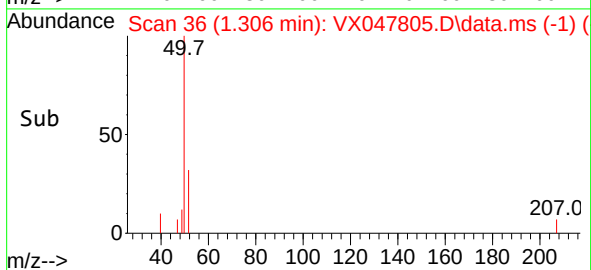
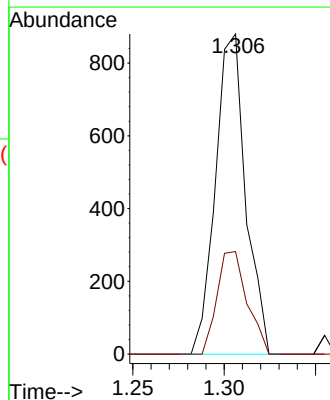
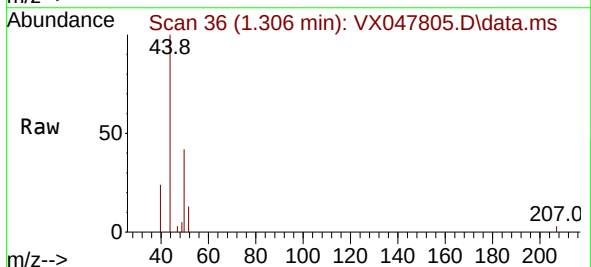
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-184-DUP-20250922

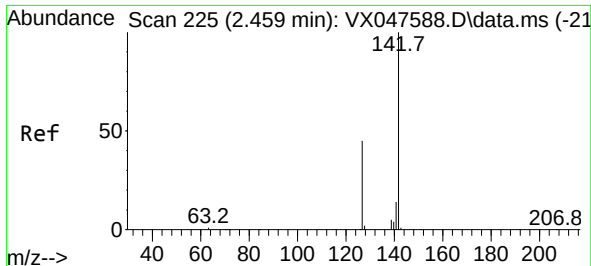
Tgt Ion:168 Resp: 118043  
Ion Ratio Lower Upper  
168 100  
99 66.4 48.8 73.2



#3  
Chloromethane  
Concen: 0.631 ug/l  
RT: 1.306 min Scan# 36  
Delta R.T. 0.006 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

Tgt Ion: 50 Resp: 1013  
Ion Ratio Lower Upper  
50 100  
52 32.0 26.1 39.1





#10

Methyl Iodide

Concen: 0.248 ug/l

RT: 2.471 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX047805.D

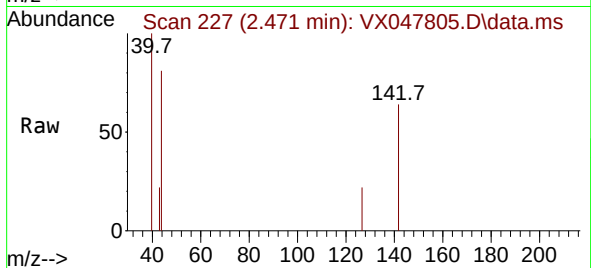
Acq: 25 Sep 2025 12:49

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-184-DUP-20250922



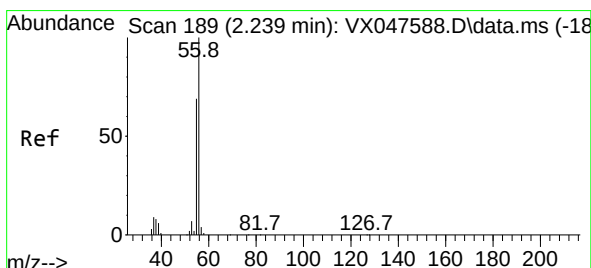
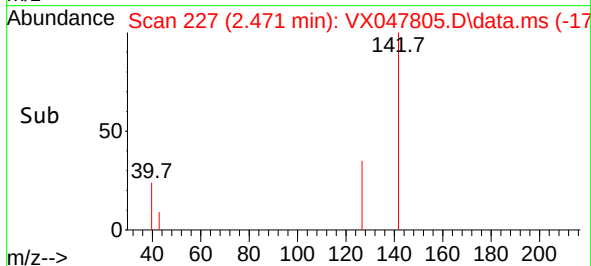
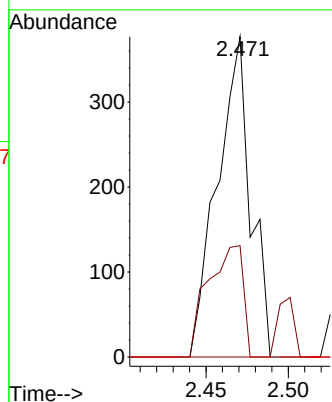
Tgt Ion:142 Resp: 529

Ion Ratio Lower Upper

142 100

127 36.9 37.2 55.8#

141 0.0 11.4 17.0#



#13

Acrolein

Concen: 0.228 ug/l

RT: 2.251 min Scan# 191

Delta R.T. 0.012 min

Lab File: VX047805.D

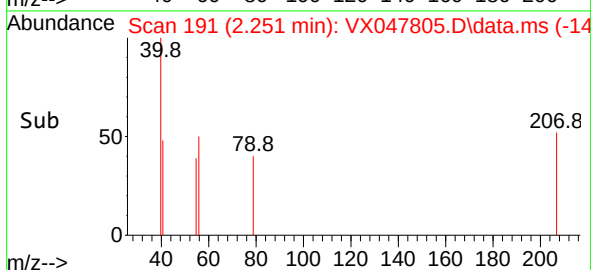
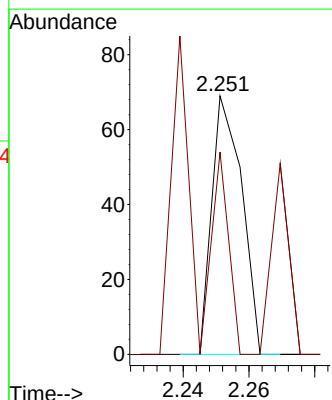
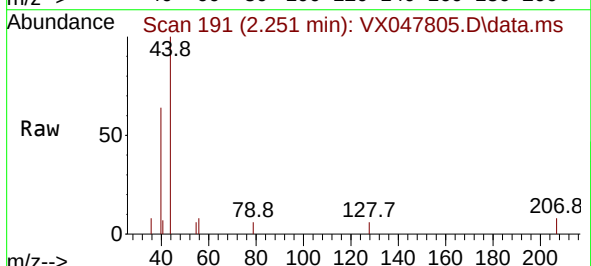
Acq: 25 Sep 2025 12:49

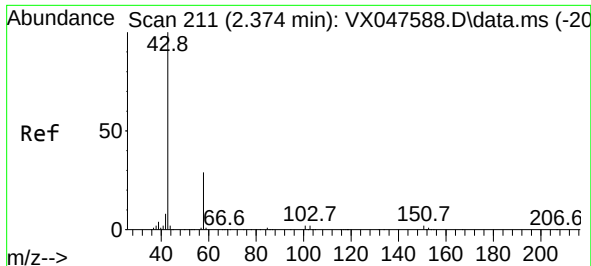
Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 115.9 57.2 85.8#

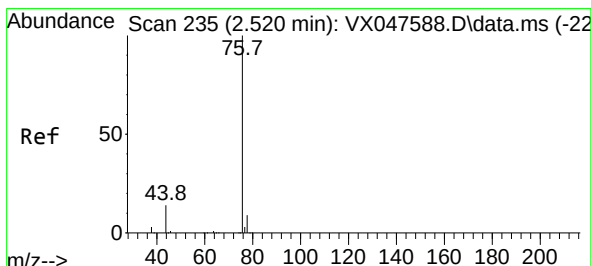
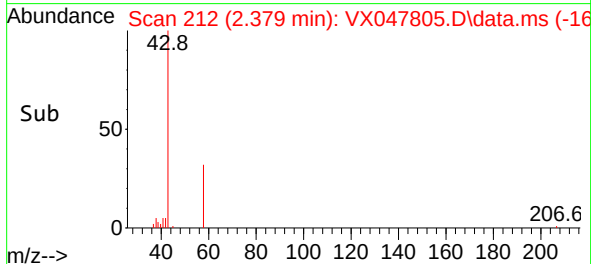
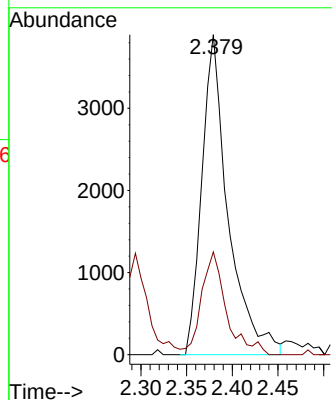
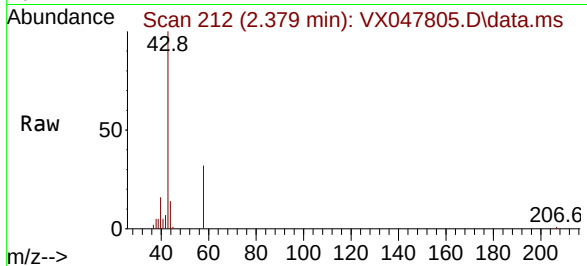




#16  
Acetone  
Concen: 9.532 ug/l  
RT: 2.379 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

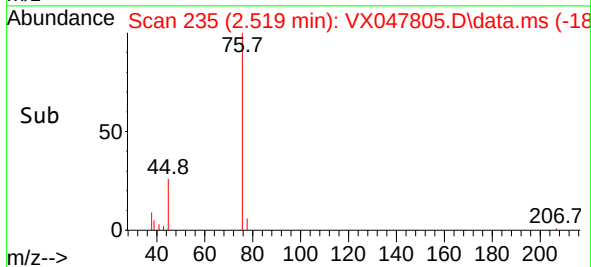
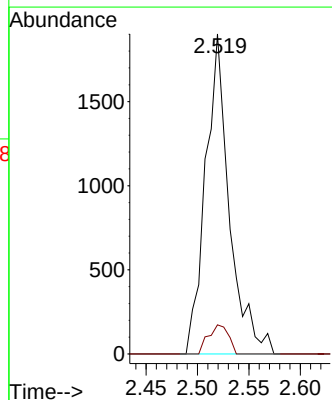
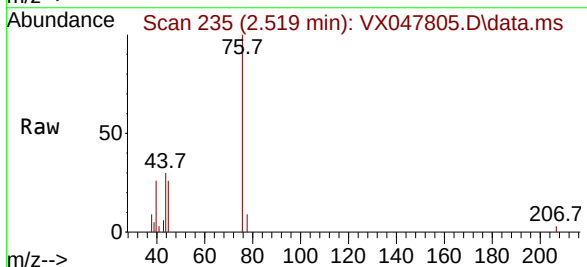
Instrument :  
MSVOA\_X  
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BP-VPB-184-DUP-20250922

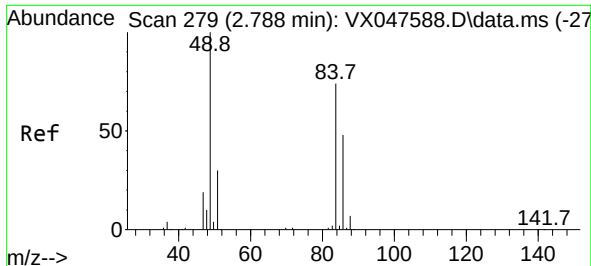
Tgt Ion: 43 Resp: 7787  
Ion Ratio Lower Upper  
43 100  
58 32.1 23.4 35.0



#17  
Carbon Disulfide  
Concen: 0.801 ug/l  
RT: 2.519 min Scan# 235  
Delta R.T. -0.000 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

Tgt Ion: 76 Resp: 3075  
Ion Ratio Lower Upper  
76 100  
78 9.1 6.8 10.2

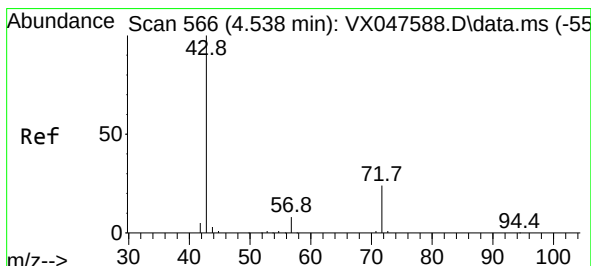
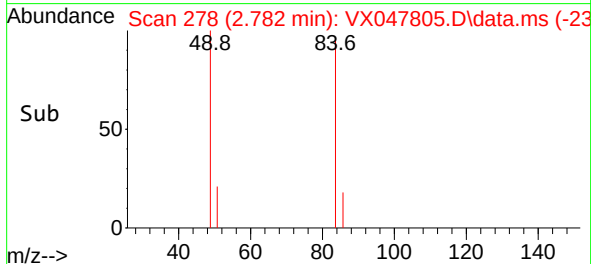
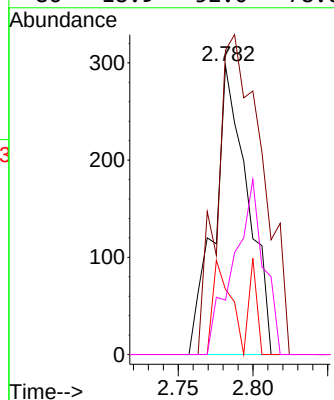
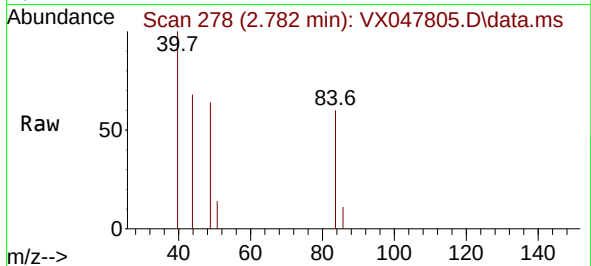




#20  
Methylene Chloride  
Concen: 0.267 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

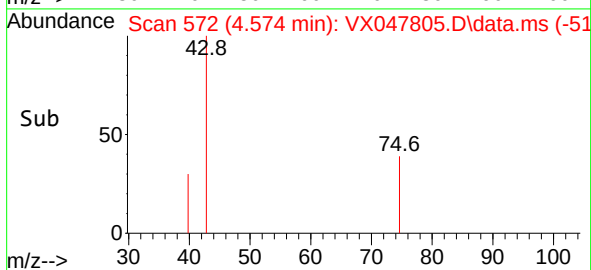
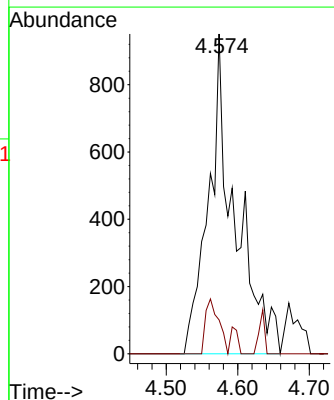
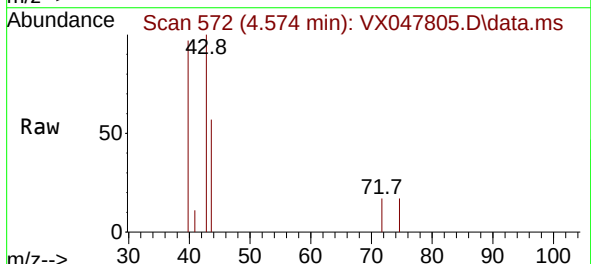
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-184-DUP-20250922

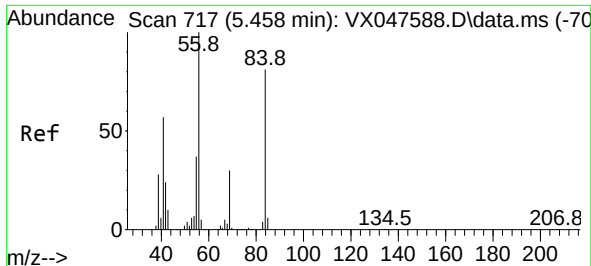
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 462    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 105.4 | 108.6 | 162.8# |
| 51       | 22.6  | 32.6  | 48.8#  |
| 86       | 18.9  | 52.0  | 78.0#  |



#25  
2-Butanone  
Concen: 2.382 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.036 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2427  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 10.6  | 20.1  | 30.1# |

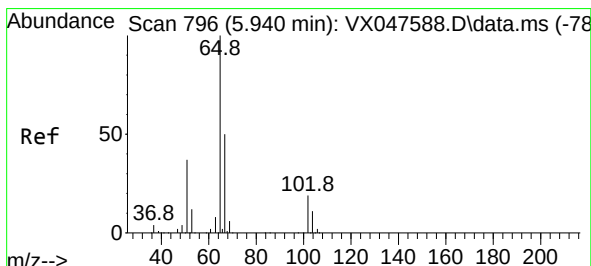
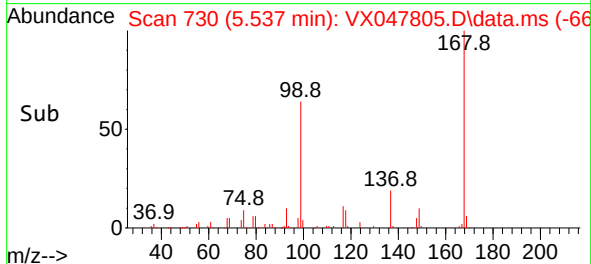
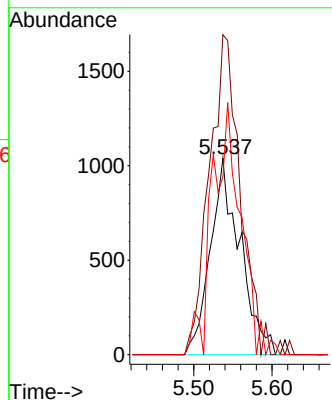
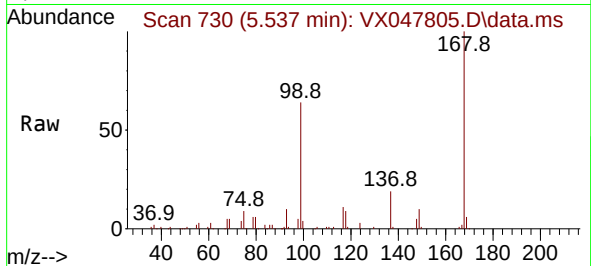




#31  
Cyclohexane  
Concen: 1.104 ug/l  
RT: 5.537 min Scan# 717  
Delta R.T. 0.079 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

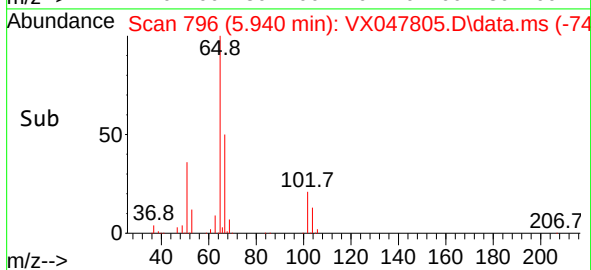
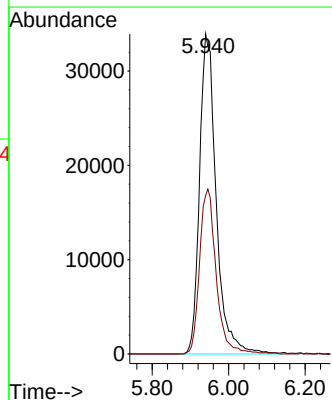
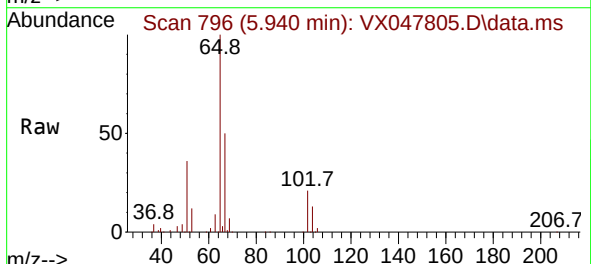
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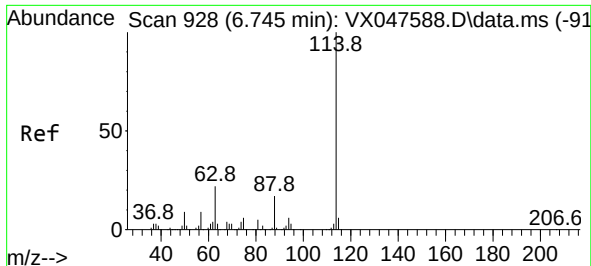
Tgt Ion: 56 Resp: 2740  
Ion Ratio Lower Upper  
56 100  
69 163.0 23.8 35.8#  
84 90.7 64.6 97.0



#33  
1,2-Dichloroethane-d4  
Concen: 54.421 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.000 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

Tgt Ion: 65 Resp: 102254  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 103.0

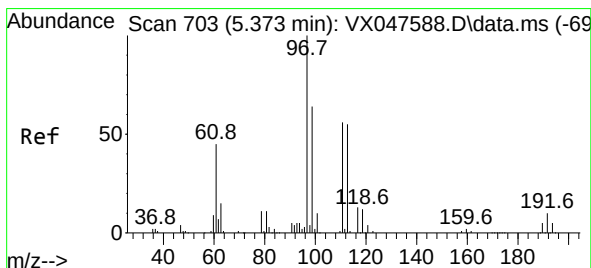
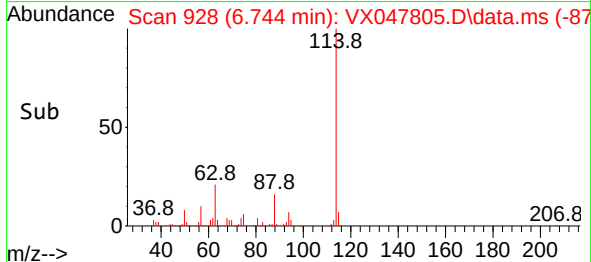
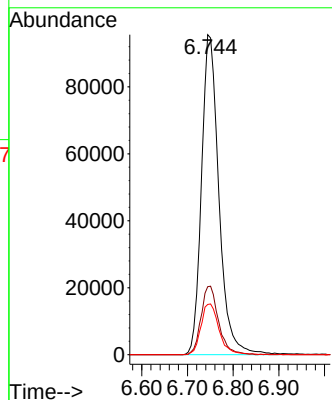
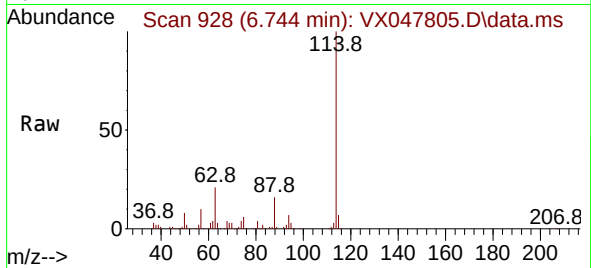




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.744 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

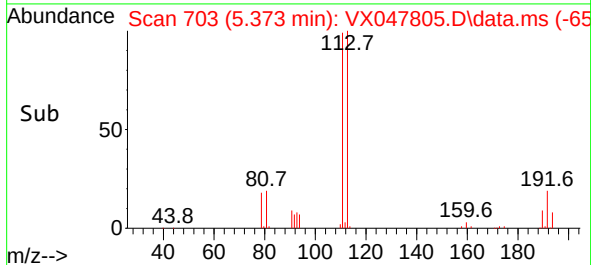
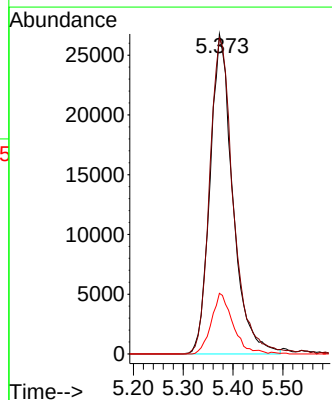
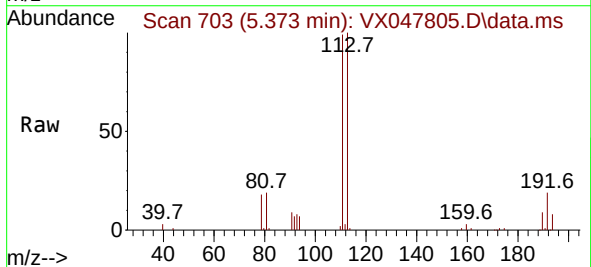
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-184-DUP-20250922

Tgt Ion:114 Resp: 252631  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 44.0  
88 15.7 0.0 34.2

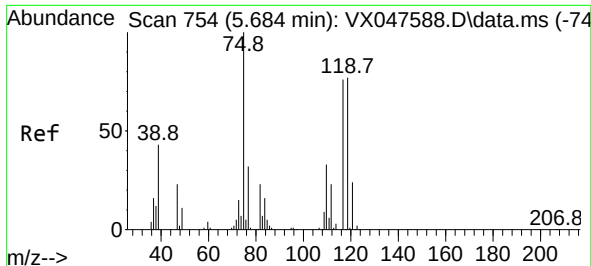


#35  
Dibromofluoromethane  
Concen: 49.939 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

Tgt Ion:113 Resp: 84610  
Ion Ratio Lower Upper  
113 100  
111 102.9 80.9 121.3  
192 18.0 14.2 21.4



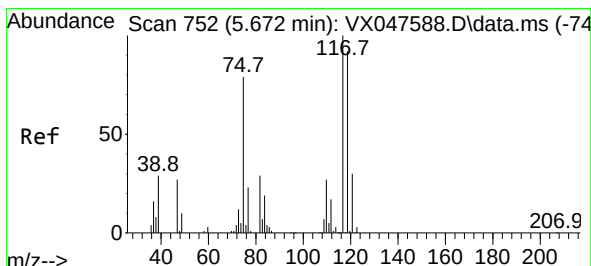
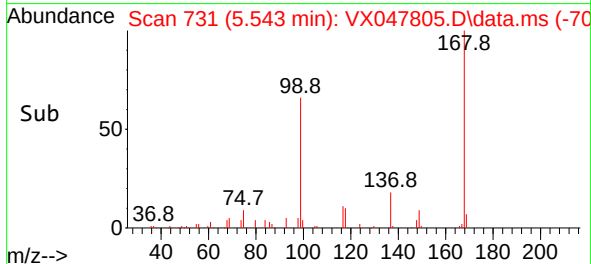
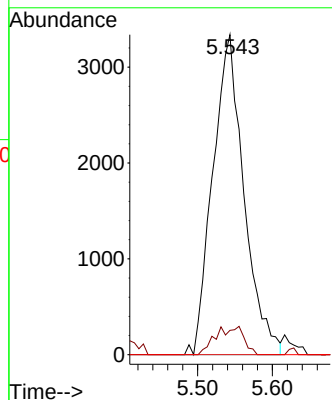
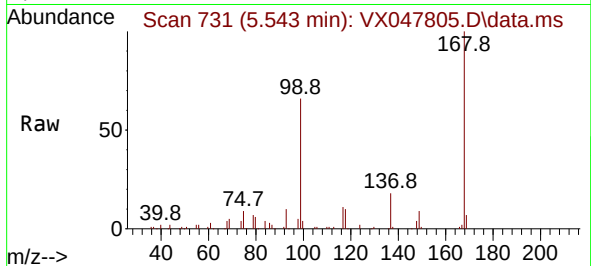




#36  
1,1-Dichloropropene  
Concen: 3.916 ug/l  
RT: 5.543 min Scan# 711  
Delta R.T. -0.141 min  
Lab File: VX047805.D  
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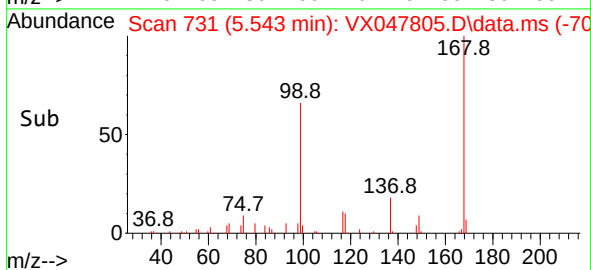
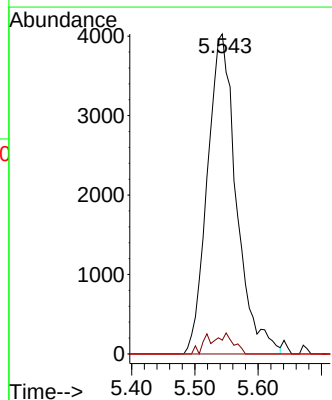
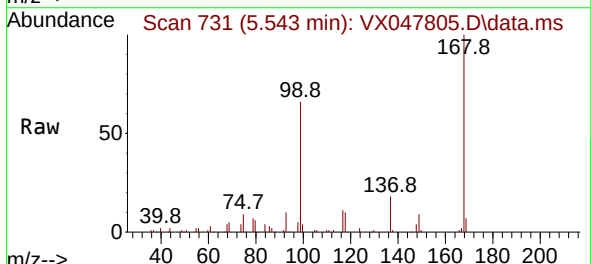
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-184-DUP-20250922

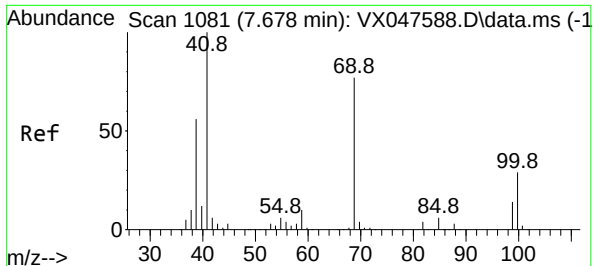
Tgt Ion: 75 Resp: 9694  
Ion Ratio Lower Upper  
75 100  
110 8.0 16.7 50.1#  
77 0.0 24.3 36.5#



#38  
Carbon Tetrachloride  
Concen: 4.771 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. -0.129 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

Tgt Ion: 117 Resp: 12835  
Ion Ratio Lower Upper  
117 100  
119 4.3 73.4 110.2#  
121 0.0 23.8 35.6#





#48

Methyl methacrylate

Concen: 0.320 ug/l

RT: 7.573 min Scan# 1064

Delta R.T. -0.104 min

Lab File: VX047805.D

Acq: 25 Sep 2025 12:49

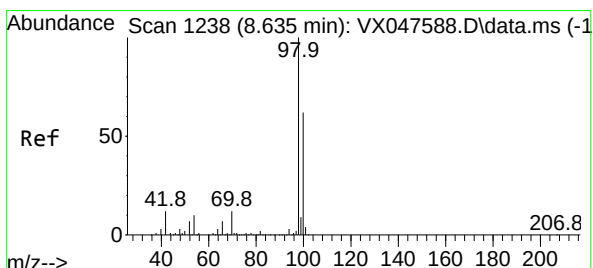
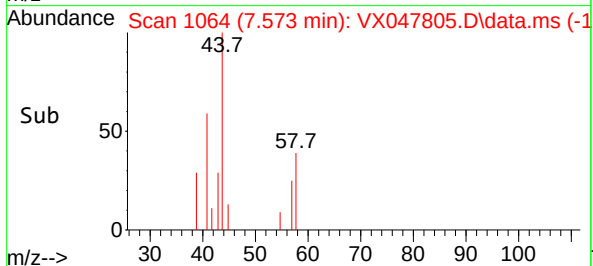
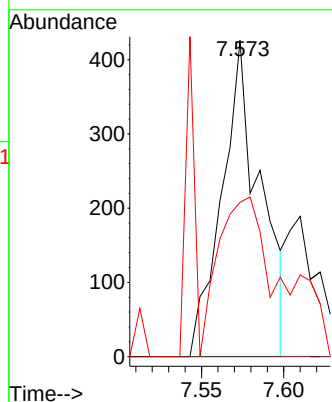
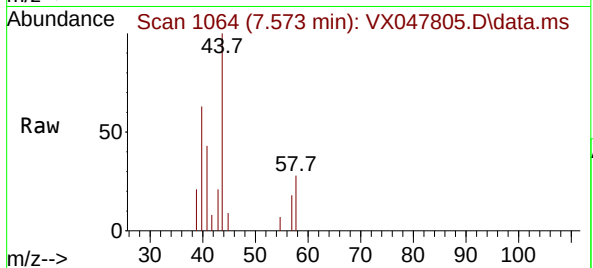
Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-184-DUP-20250922

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 694   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 0.0   | 61.4  | 92.2# |
| 39       | 34.6  | 45.8  | 68.6# |



#50

Toluene-d8

Concen: 49.168 ug/l

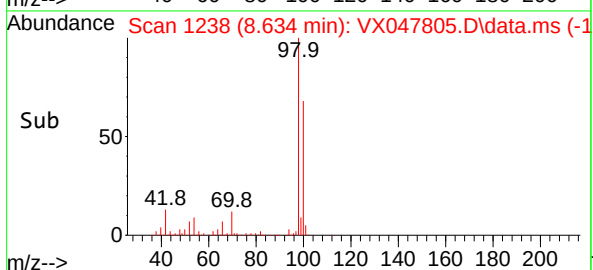
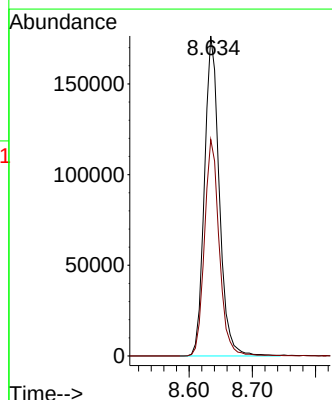
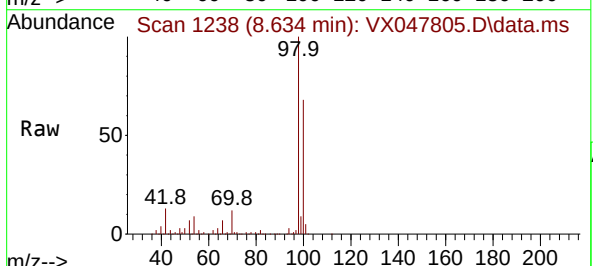
RT: 8.634 min Scan# 1238

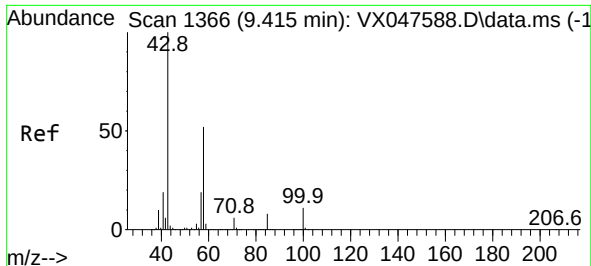
Delta R.T. -0.000 min

Lab File: VX047805.D

Acq: 25 Sep 2025 12:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 288250 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 67.5  | 53.0  | 79.4   |

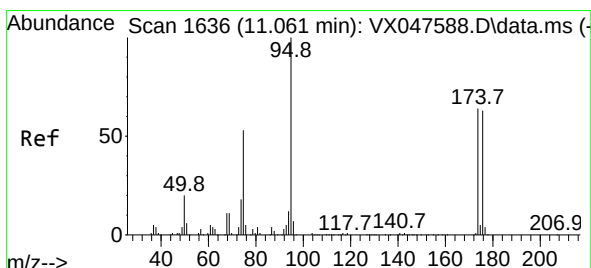
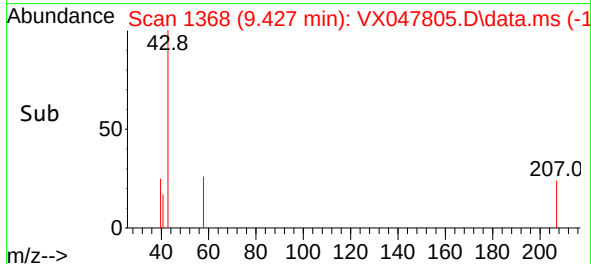
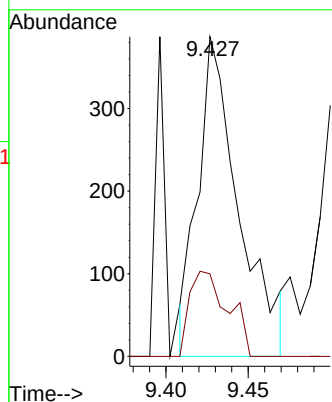
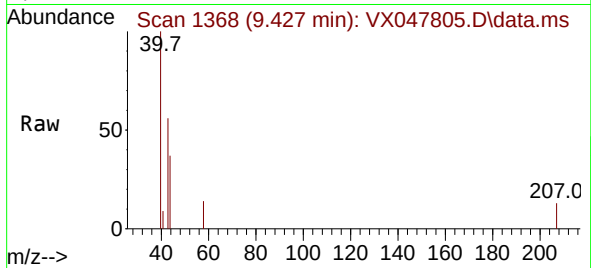




#59  
2-Hexanone  
Concen: 0.386 ug/l  
RT: 9.427 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

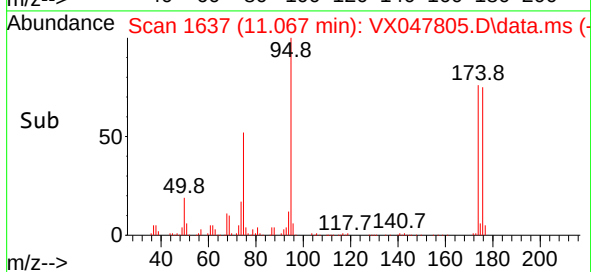
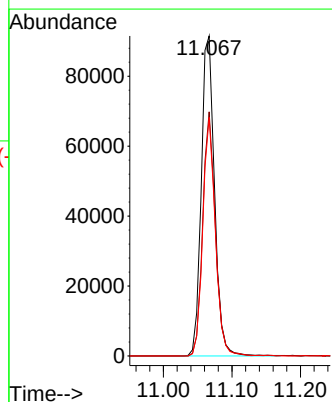
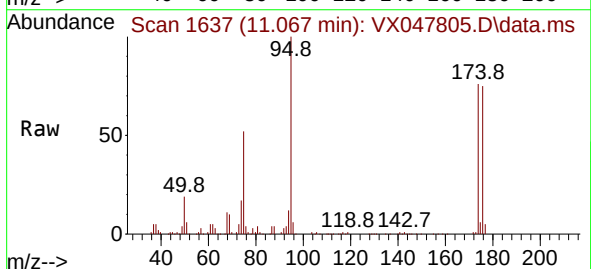
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-184-DUP-20250922

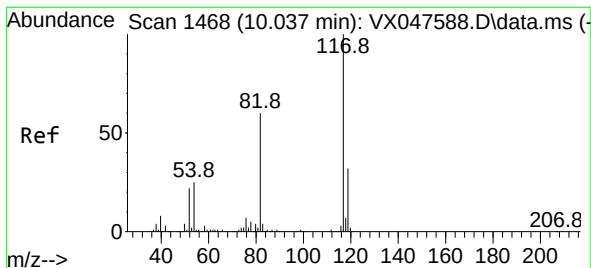
Tgt Ion: 43 Resp: 669  
Ion Ratio Lower Upper  
43 100  
58 25.1 26.1 78.2#



#62  
4-Bromofluorobenzene  
Concen: 55.522 ug/l  
RT: 11.067 min Scan# 1637  
Delta R.T. 0.006 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

Tgt Ion: 95 Resp: 123534  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 141.6  
176 70.4 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.036 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047805.D

Acq: 25 Sep 2025 12:49

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-184-DUP-20250922

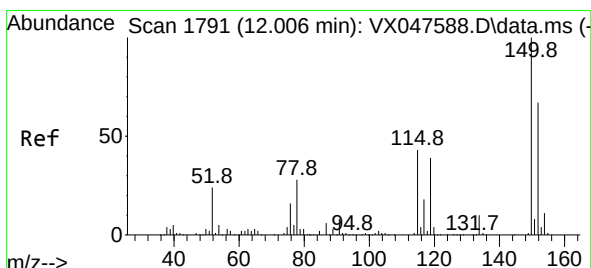
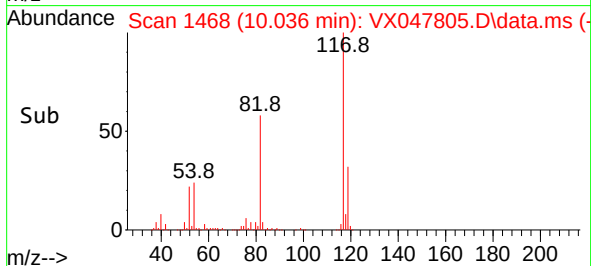
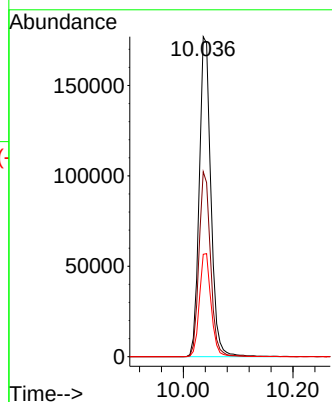
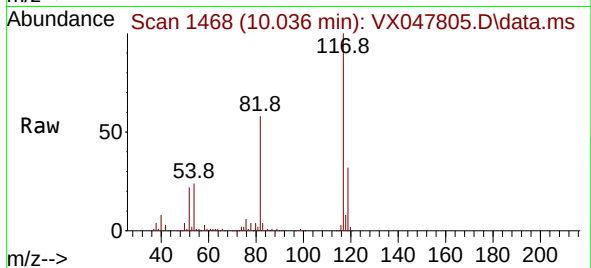
Tgt Ion:117 Resp: 261796

Ion Ratio Lower Upper

117 100

82 57.8 47.8 71.6

119 32.0 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047805.D

Acq: 25 Sep 2025 12:49

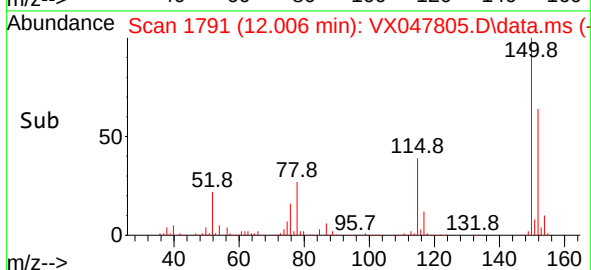
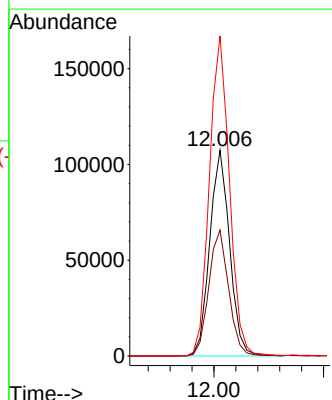
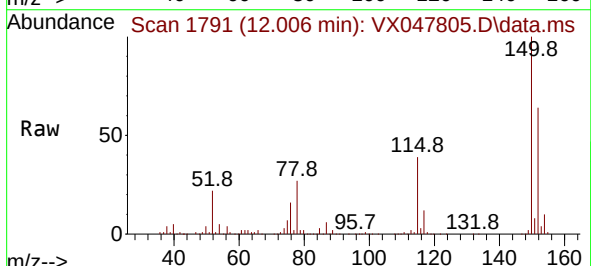
Tgt Ion:152 Resp: 135087

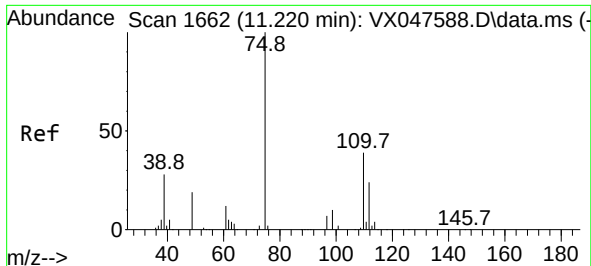
Ion Ratio Lower Upper

152 100

115 61.4 44.9 134.5

150 157.3 0.0 352.0

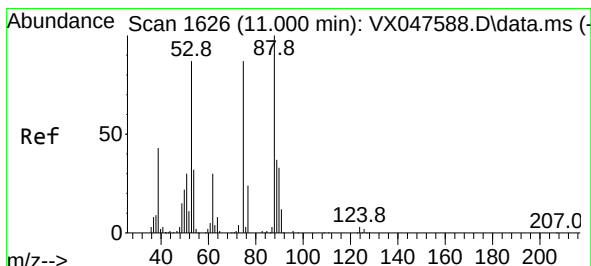
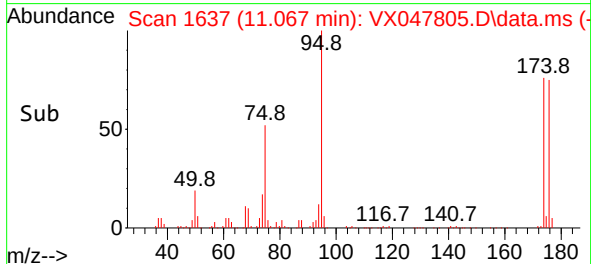
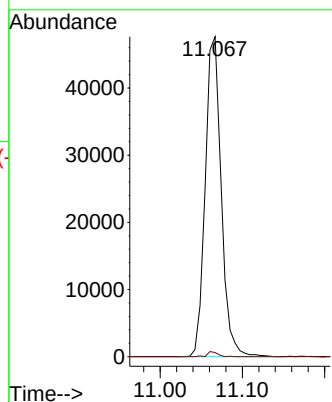
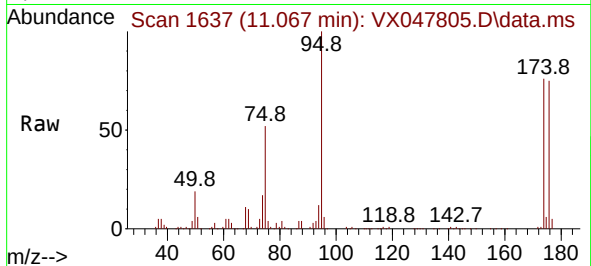




#76  
1,2,3-Trichloropropane  
Concen: 23.541 ug/l  
RT: 11.067 min Scan# 1637  
Delta R.T. -0.153 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-184-DUP-20250922

Tgt Ion: 75 Resp: 64387  
Ion Ratio Lower Upper  
75 100  
77 1.0 18.8 56.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.033 ug/l  
RT: 11.067 min Scan# 1637  
Delta R.T. 0.067 min  
Lab File: VX047805.D  
Acq: 25 Sep 2025 12:49

Tgt Ion: 75 Resp: 64387  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.4 125.2#  
89 0.0 36.3 54.5#

