

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052325\  
 Data File : VX046338.D  
 Acq On : 23 May 2025 12:33  
 Operator : JC/MD  
 Sample : Q2120-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VPB182-HYD-20250522

Quant Time: May 23 23:00:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

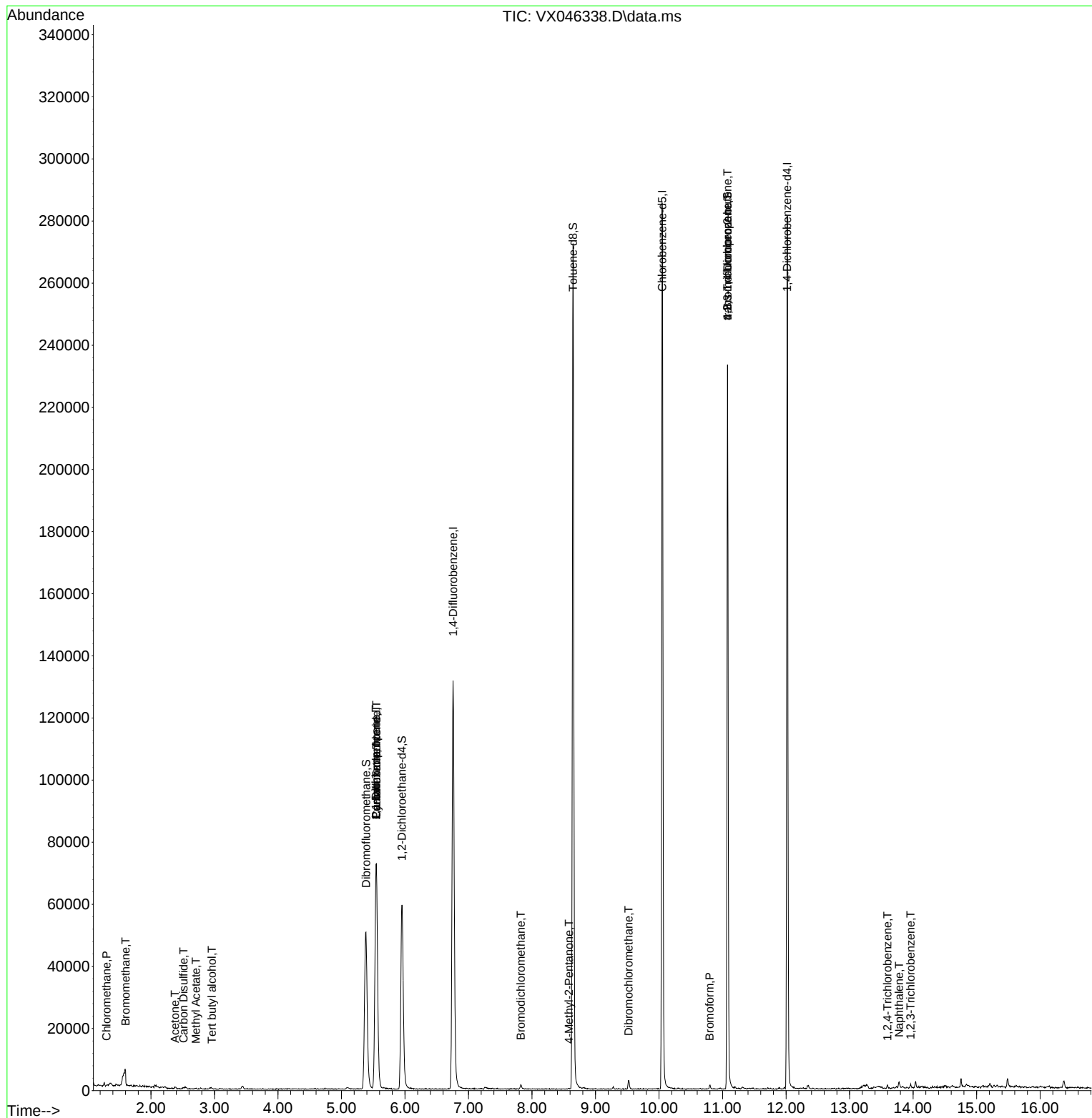
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 61857    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 124865   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 120584   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 52108    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 62238    | 53.969   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 107.940% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 45452    | 50.549   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 101.100% |          |
| 50) Toluene-d8                | 8.647  | 98    | 154540   | 49.658   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 99.320%  |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 62699    | 52.522   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 105.040% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 1.300  | 50    | 439      | 0.478    | ug/l       | 90       |
| 5) Bromomethane               | 1.599  | 94    | 142      | 0.358    | ug/l #     | 4        |
| 11) Tert butyl alcohol        | 2.959  | 59    | 175      | 1.081    | ug/l #     | 72       |
| 16) Acetone                   | 2.380  | 43    | 722      | 1.561    | ug/l       | 91       |
| 17) Carbon Disulfide          | 2.514  | 76    | 533      | 0.307    | ug/l #     | 76       |
| 18) Methyl Acetate            | 2.709  | 43    | 325      | 0.303    | ug/l #     | 55       |
| 31) Cyclohexane               | 5.550  | 56    | 1833     | 1.334    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.544  | 75    | 6093     | 5.043    | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 7588     | 5.590    | ug/l #     | 17       |
| 47) Bromodichloromethane      | 7.824  | 83    | 1021     | 0.747    | ug/l #     | 84       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43    | 363      | 0.240    | ug/l #     | 39       |
| 60) Dibromochloromethane      | 9.518  | 129   | 1416     | 1.507    | ug/l       | 98       |
| 71) Bromoform                 | 10.799 | 173   | 483      | 0.714    | ug/l #     | 86       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 35694    | 28.458   | ug/l #     | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 35694    | 92.651   | ug/l #     | 1        |
| 93) 1,2,4-Trichlorobenzene    | 13.597 | 180   | 302      | 0.305    | ug/l       | 85       |
| 95) Naphthalene               | 13.780 | 128   | 2016     | 0.555    | ug/l #     | 94       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 382      | 0.374    | ug/l       | 90       |
| -----                         |        |       |          |          |            |          |

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

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Sample : Q2120-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Quant Time: May 23 23:00:28 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration

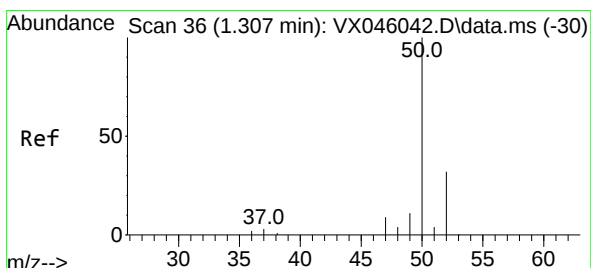
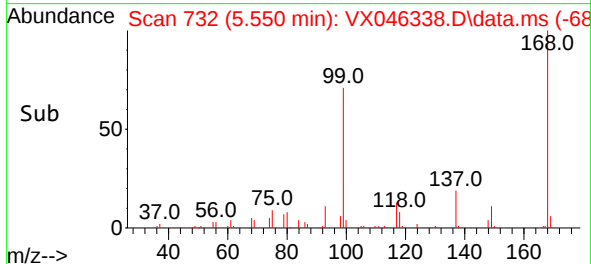
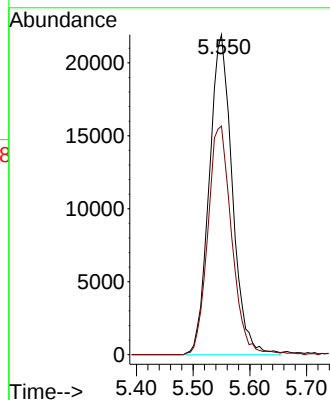
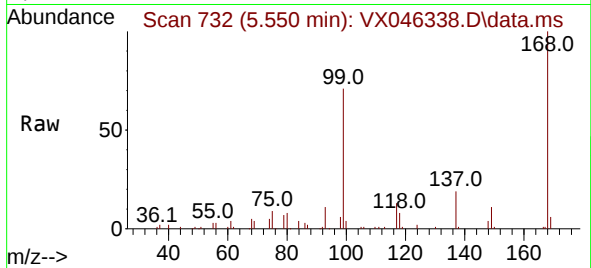




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

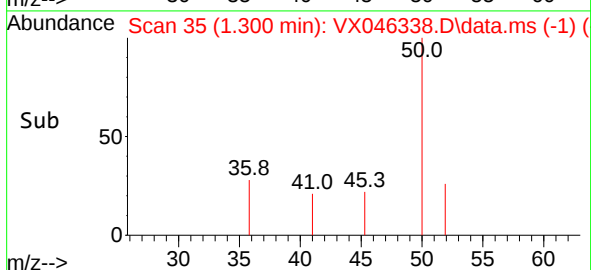
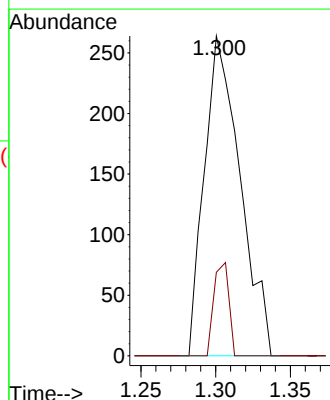
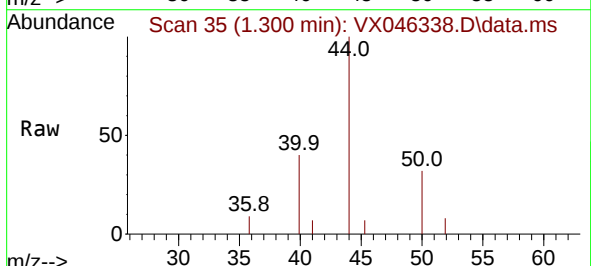
Instrument :  
MSVOA\_X  
ClientSampleId :  
VPB182-HYD-20250522

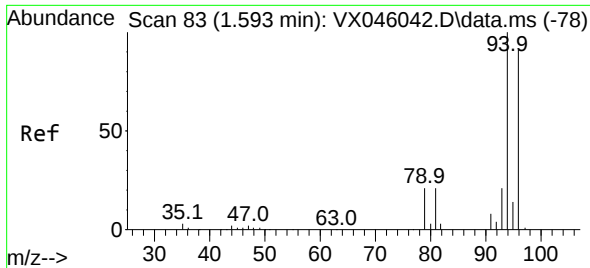
Tgt Ion:168 Resp: 61857  
Ion Ratio Lower Upper  
168 100  
99 71.5 54.9 82.3



#3  
Chloromethane  
Concen: 0.478 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. -0.006 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Tgt Ion: 50 Resp: 439  
Ion Ratio Lower Upper  
50 100  
52 26.1 25.4 38.2

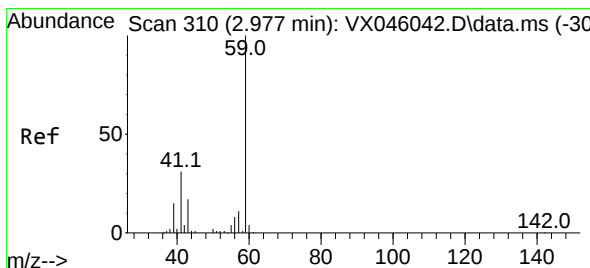
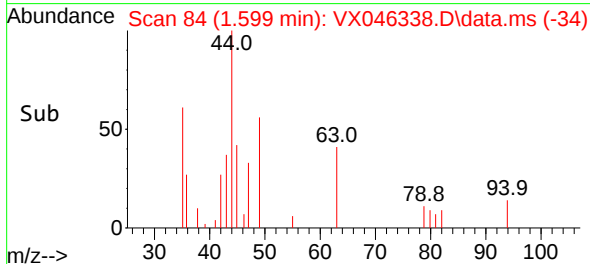
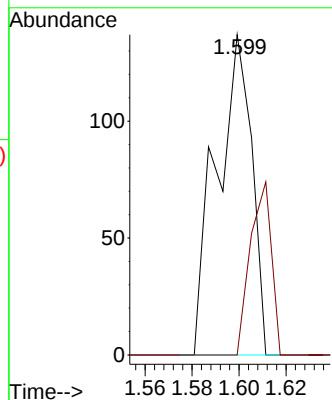
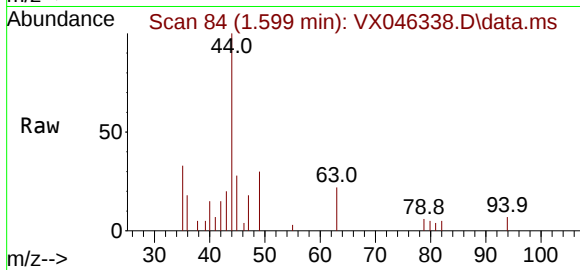




#5  
Bromomethane  
Concen: 0.358 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

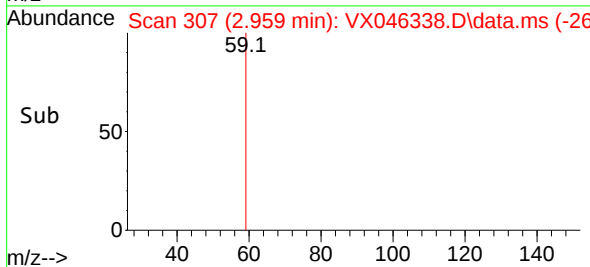
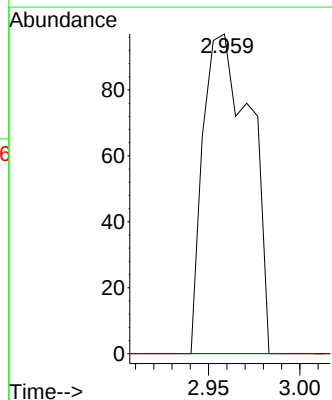
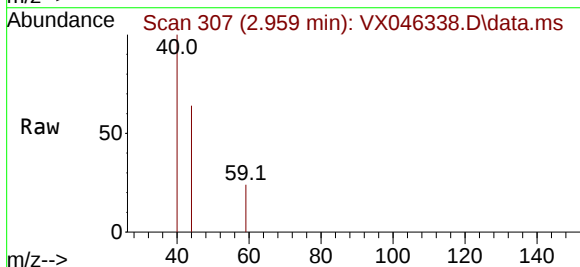
Instrument :  
MSVOA\_X  
ClientSampleId :  
VPB182-HYD-20250522

Tgt Ion: 94 Resp: 142  
Ion Ratio Lower Upper  
94 100  
96 0.0 72.8 109.2#



#11  
Tert butyl alcohol  
Concen: 1.081 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. -0.018 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Tgt Ion: 59 Resp: 175  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#

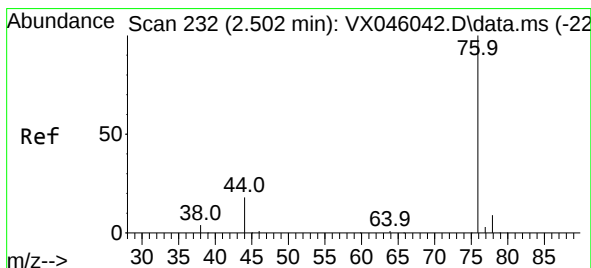
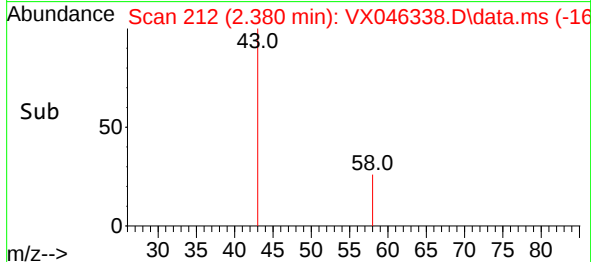
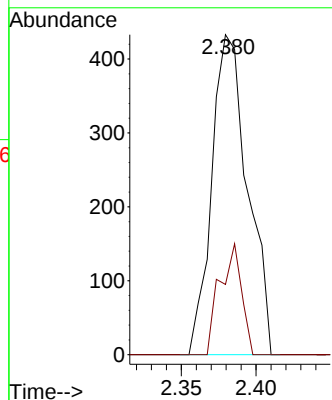
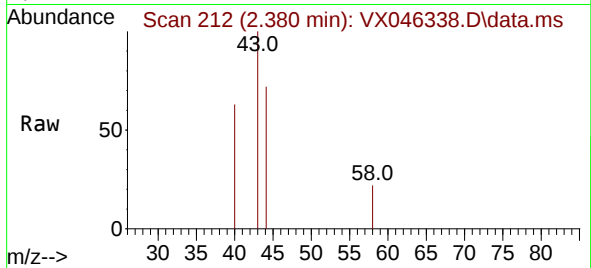




#16  
Acetone  
Concen: 1.561 ug/l  
RT: 2.380 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

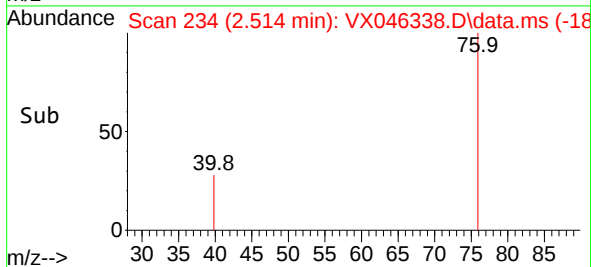
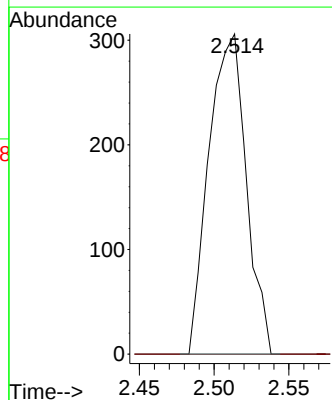
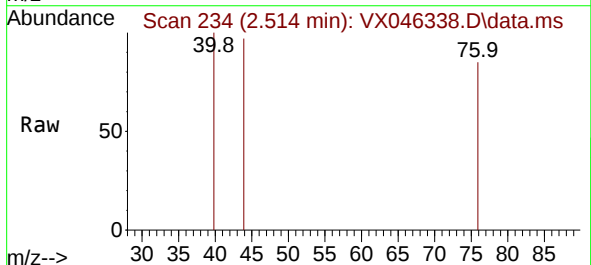
Instrument :  
MSVOA\_X  
ClientSampleId :  
VPB182-HYD-20250522

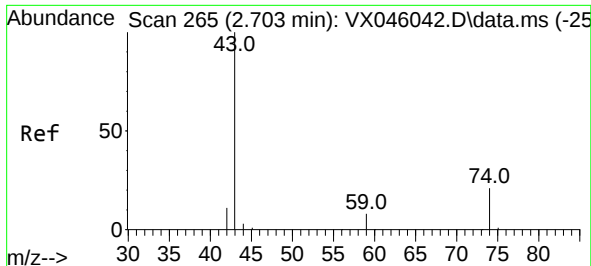
Tgt Ion: 43 Resp: 722  
Ion Ratio Lower Upper  
43 100  
58 21.9 21.2 31.8



#17  
Carbon Disulfide  
Concen: 0.307 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.012 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Tgt Ion: 76 Resp: 533  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.4#





#18

Methyl Acetate

Concen: 0.303 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX046338.D

Acq: 23 May 2025 12:33

Instrument :

MSVOA\_X

ClientSampleId :

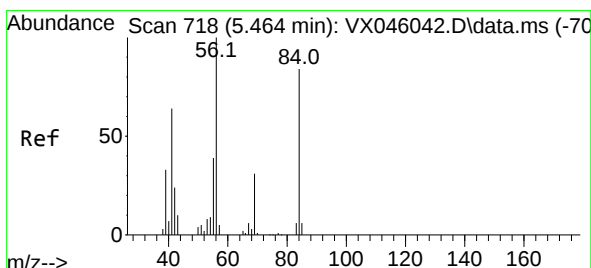
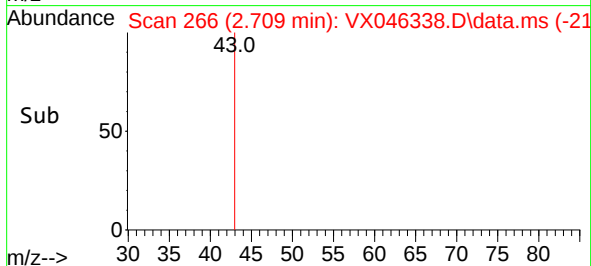
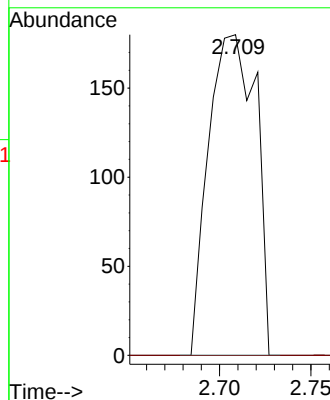
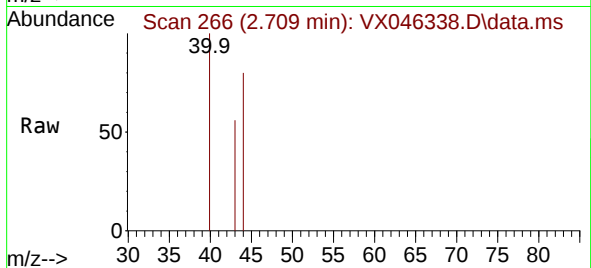
VPB182-HYD-20250522

Tgt Ion: 43 Resp: 325

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#31

Cyclohexane

Concen: 1.334 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046338.D

Acq: 23 May 2025 12:33

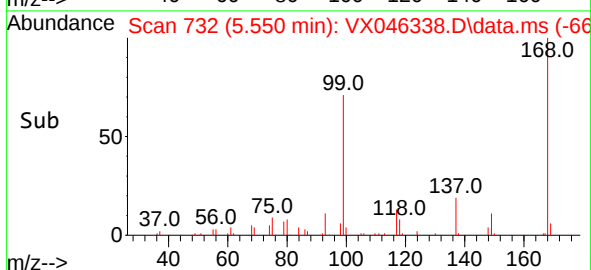
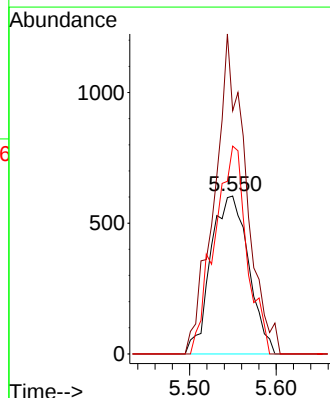
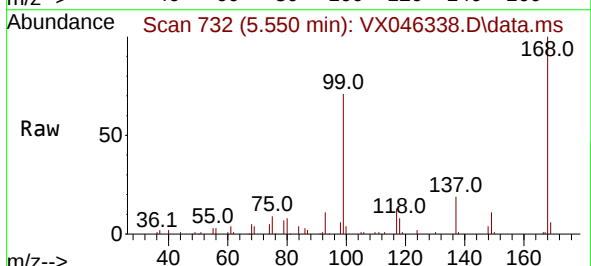
Tgt Ion: 56 Resp: 1833

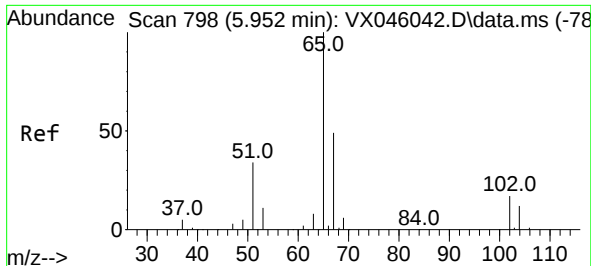
Ion Ratio Lower Upper

56 100

69 154.0 24.4 36.6#

84 131.6 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 53.969 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046338.D

Acq: 23 May 2025 12:33

Instrument :

MSVOA\_X

ClientSampleId :

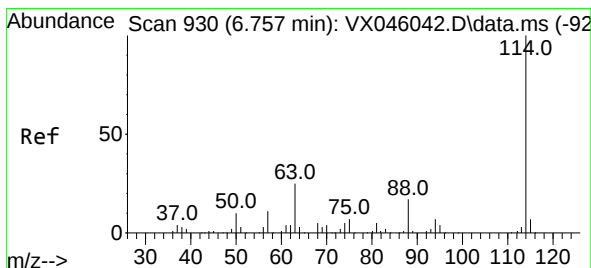
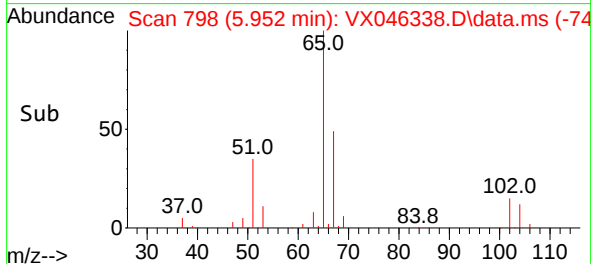
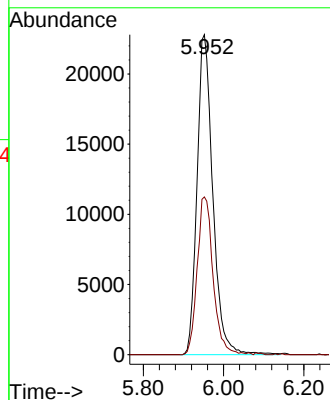
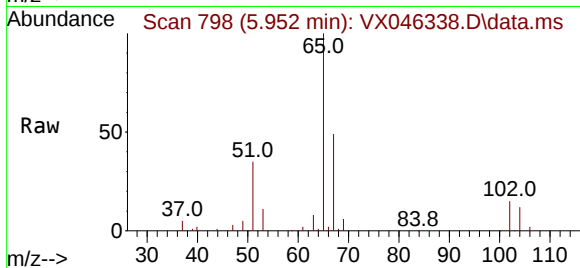
VPB182-HYD-20250522

Tgt Ion: 65 Resp: 62238

Ion Ratio Lower Upper

65 100

67 49.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046338.D

Acq: 23 May 2025 12:33

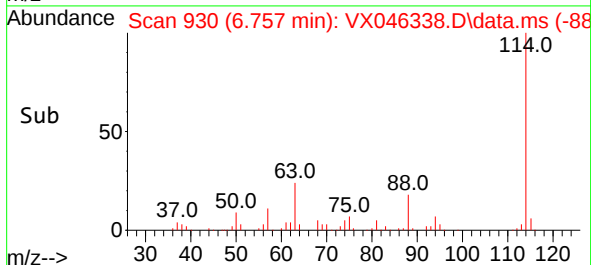
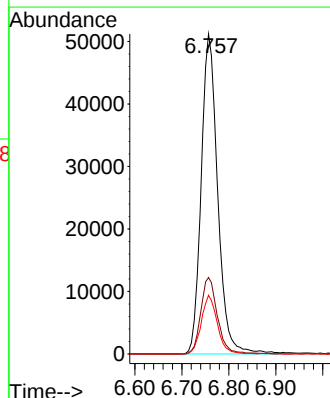
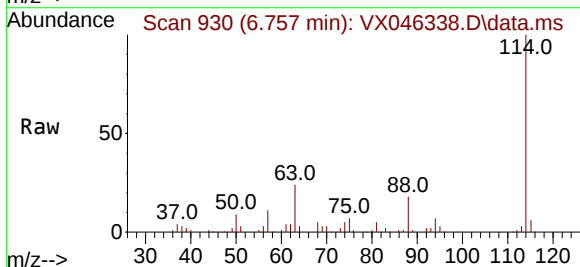
Tgt Ion: 114 Resp: 124865

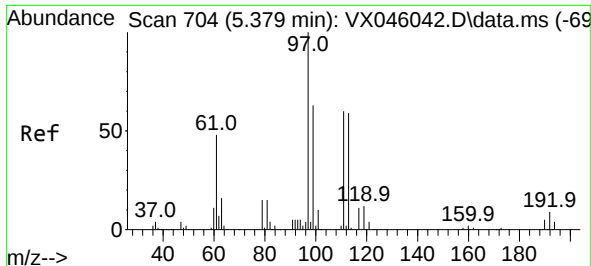
Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.2

88 18.3 0.0 33.6

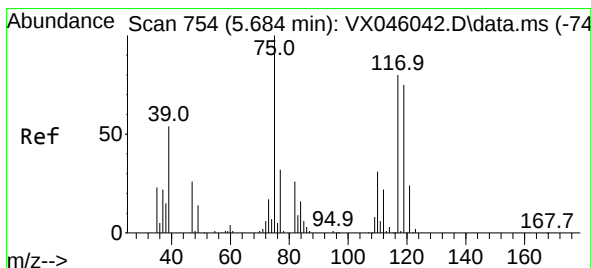
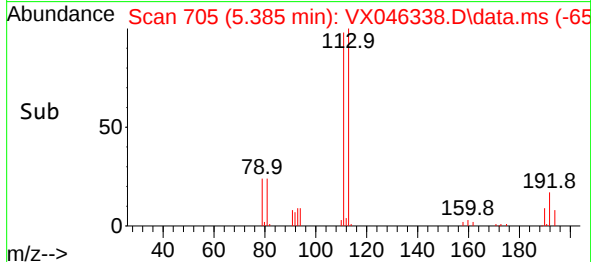
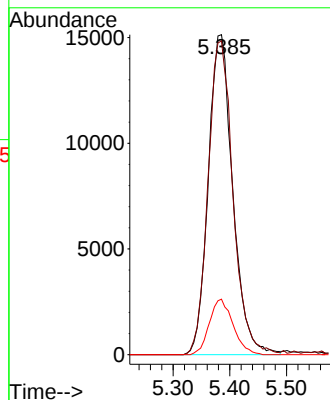
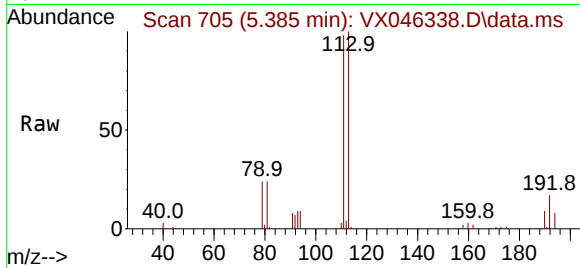




#35  
Dibromofluoromethane  
Concen: 50.549 ug/l  
RT: 5.385 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

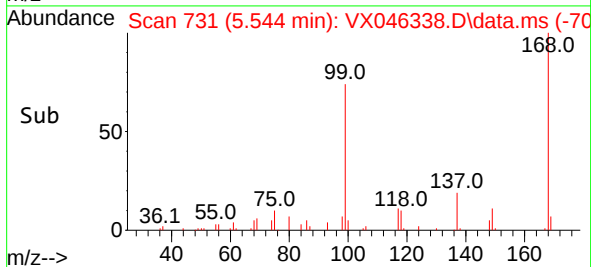
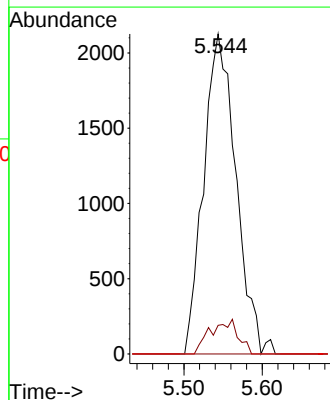
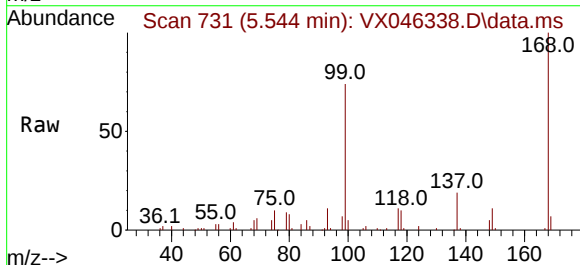
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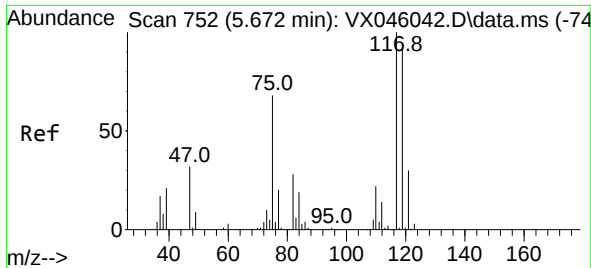
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Ion Ratio Lower Upper  
113 100  
111 99.7 83.1 124.7  
192 16.8 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 5.043 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.140 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

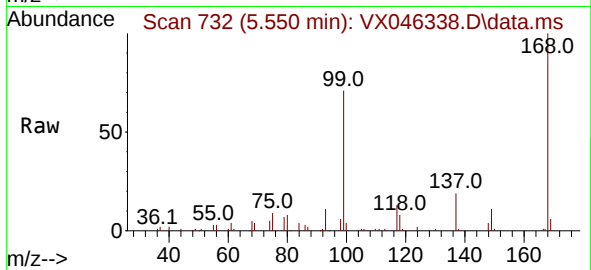
Tgt Ion: 75 Resp: 6093  
Ion Ratio Lower Upper  
75 100  
110 9.2 16.3 48.9#  
77 0.0 24.3 36.5#



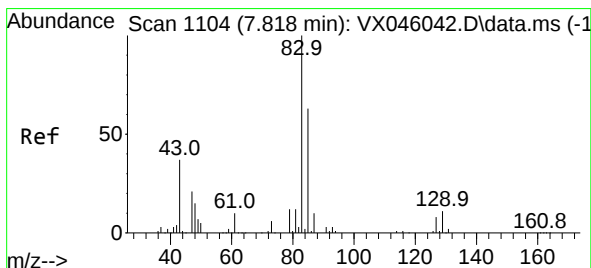
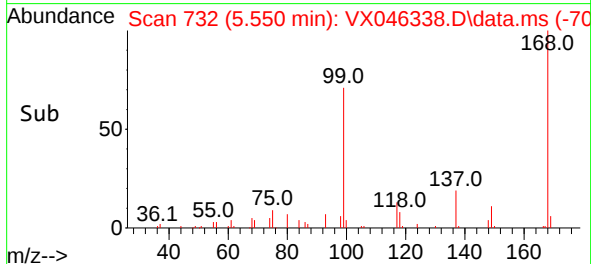
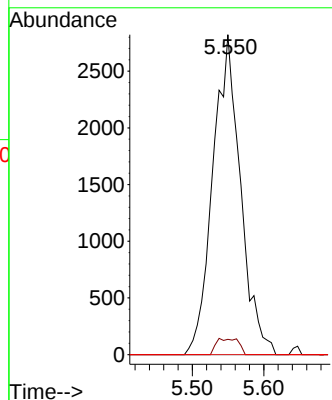


#38  
Carbon Tetrachloride  
Concen: 5.590 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VPB182-HYD-20250522

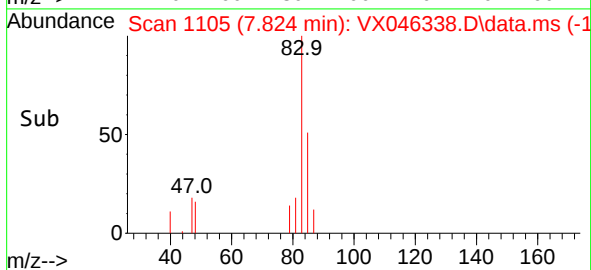
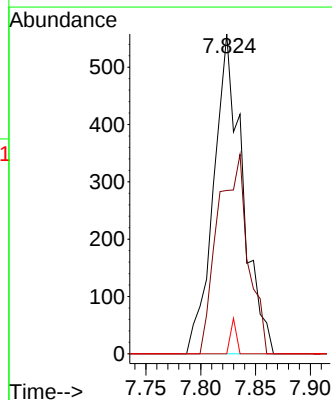
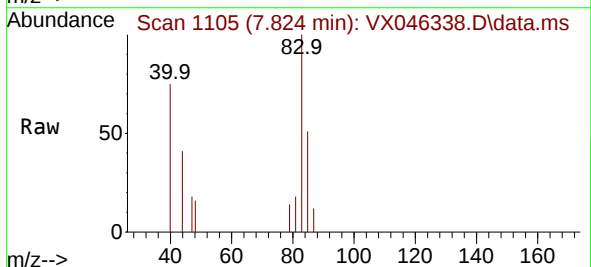


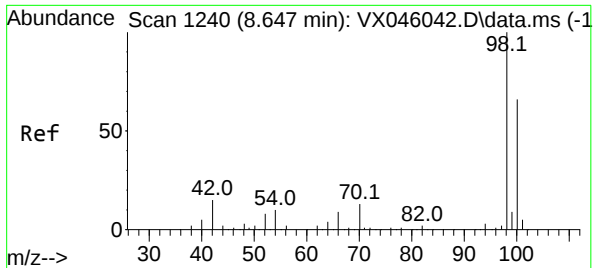
Tgt Ion:117 Resp: 7588  
Ion Ratio Lower Upper  
117 100  
119 4.8 75.2 112.8#  
121 0.0 24.2 36.4#



#47  
Bromodichloromethane  
Concen: 0.747 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Tgt Ion: 83 Resp: 1021  
Ion Ratio Lower Upper  
83 100  
85 51.1 50.5 75.7  
127 0.0 6.5 9.7#

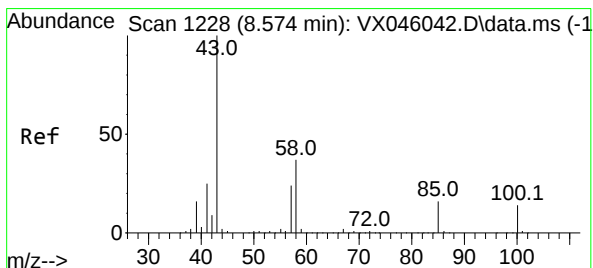
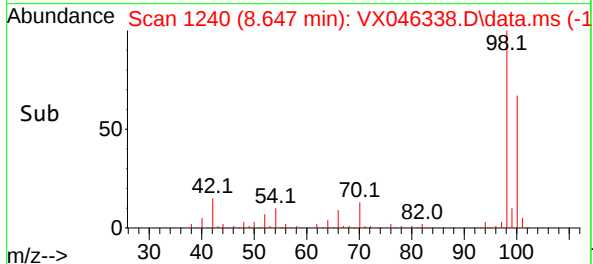
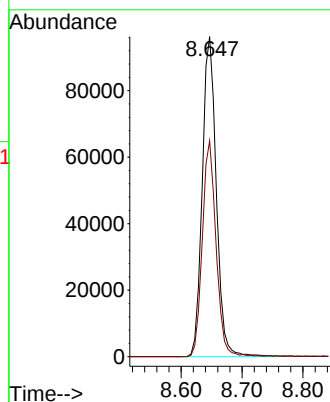
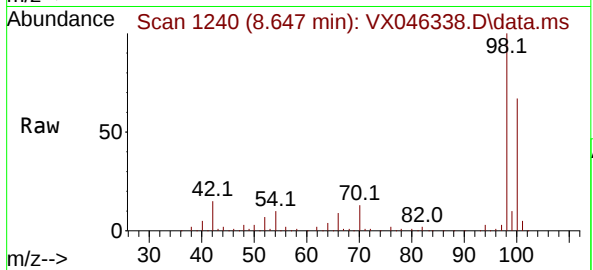




#50  
Toluene-d8  
Concen: 49.658 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

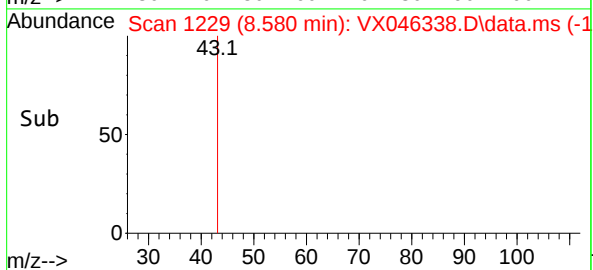
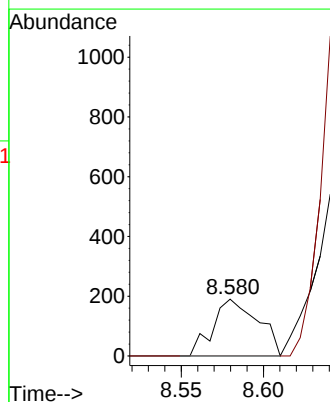
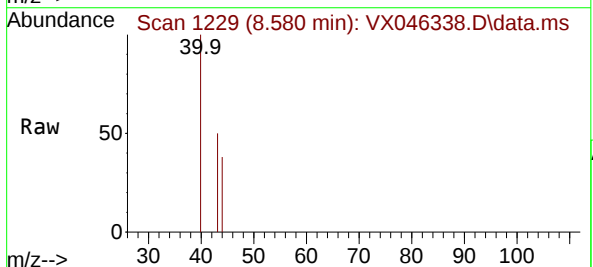
Instrument :  
MSVOA\_X  
ClientSampleId :  
VPB182-HYD-20250522

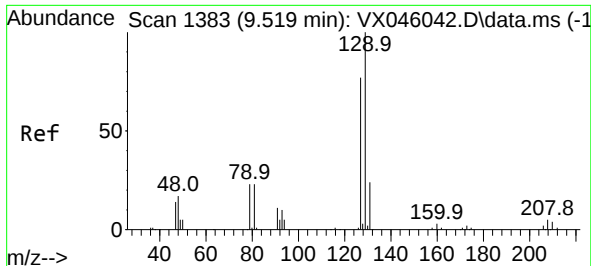
Tgt Ion: 98 Resp: 154540  
Ion Ratio Lower Upper  
98 100  
100 65.9 53.5 80.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.240 ug/l  
RT: 8.580 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Tgt Ion: 43 Resp: 363  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.9 43.3#

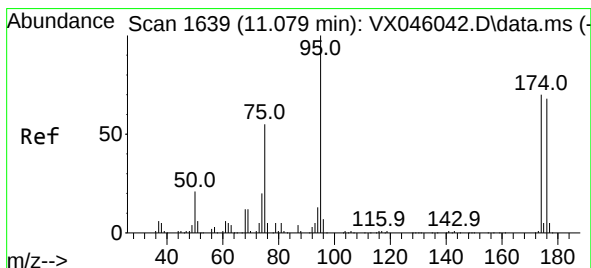
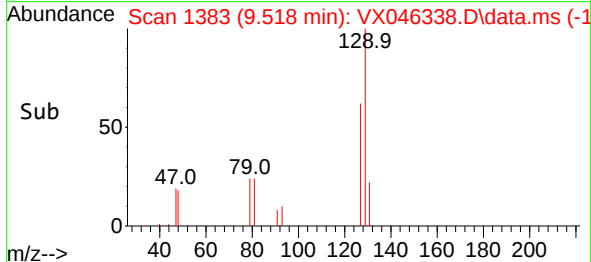
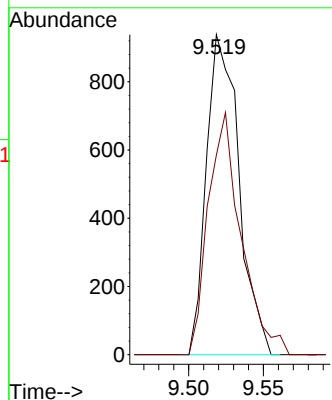
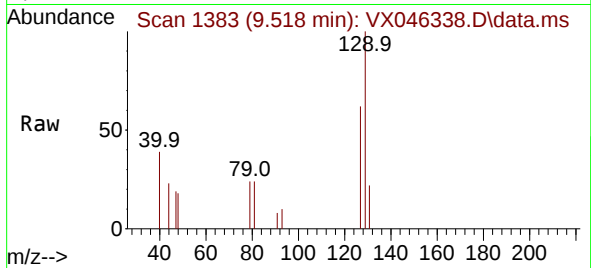




#60  
Dibromochloromethane  
Concen: 1.507 ug/l  
RT: 9.518 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

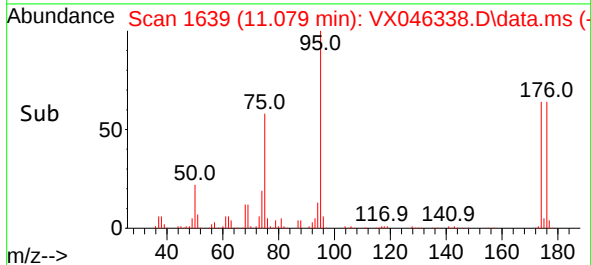
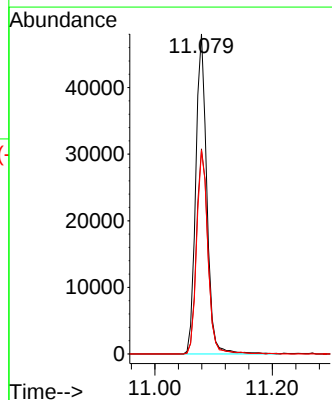
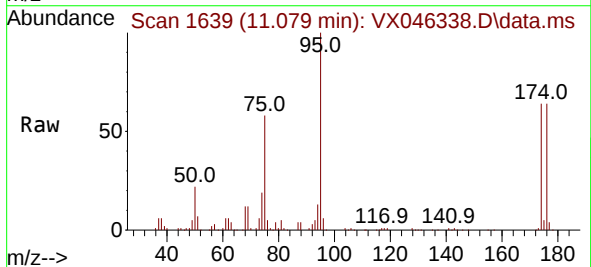
Instrument :  
MSVOA\_X  
ClientSampleId :  
VPB182-HYD-20250522

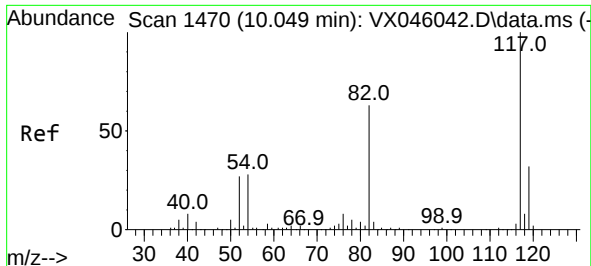
Tgt Ion:129 Resp: 1416  
Ion Ratio Lower Upper  
129 100  
127 77.0 39.3 117.8



#62  
4-Bromofluorobenzene  
Concen: 52.522 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Tgt Ion: 95 Resp: 62699  
Ion Ratio Lower Upper  
95 100  
174 66.0 0.0 135.8  
176 64.8 0.0 131.4

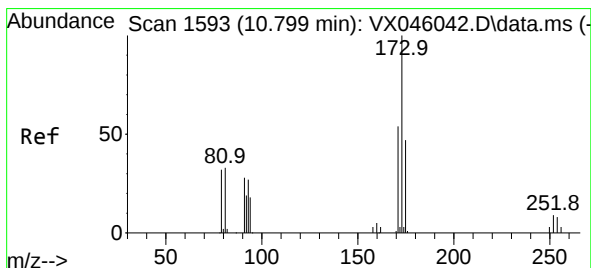
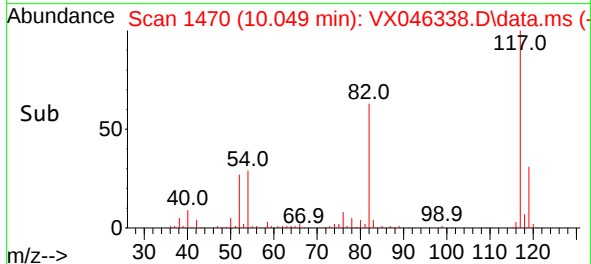
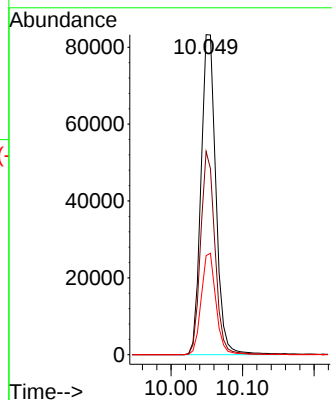
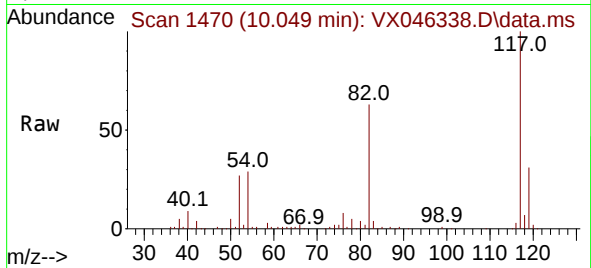




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

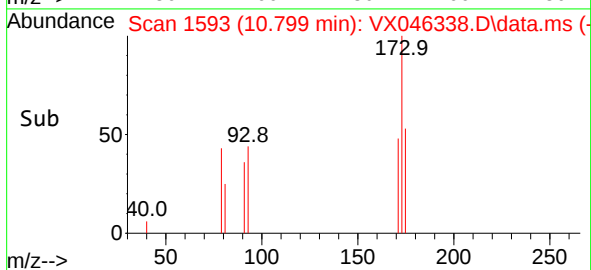
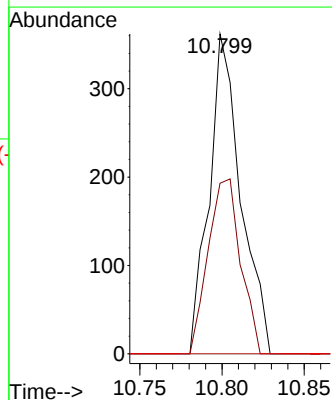
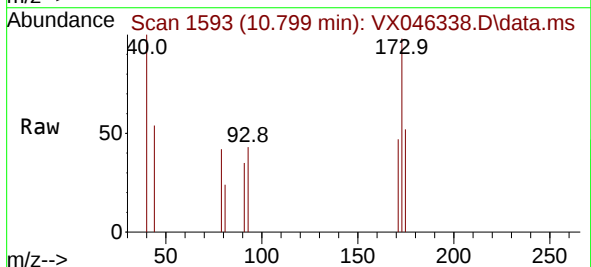
Instrument :  
MSVOA\_X  
ClientSampleId :  
VPB182-HYD-20250522

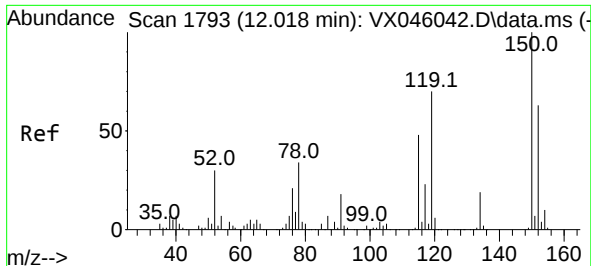
Tgt Ion:117 Resp: 120584  
Ion Ratio Lower Upper  
117 100  
82 63.5 50.6 76.0  
119 31.0 25.8 38.6



#71  
Bromoform  
Concen: 0.714 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Tgt Ion:173 Resp: 483  
Ion Ratio Lower Upper  
173 100  
175 56.1 23.4 70.0  
254 0.0 0.0 0.0

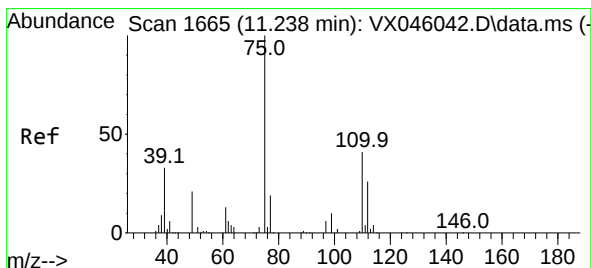
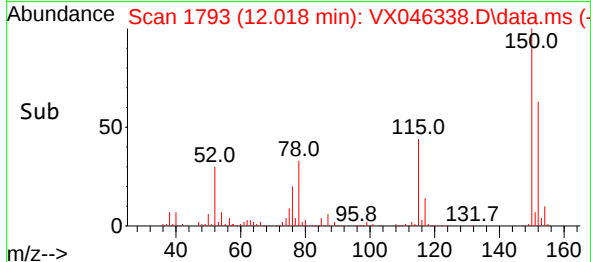
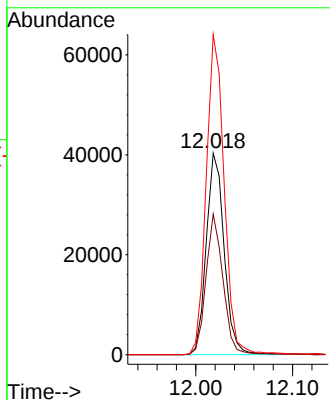
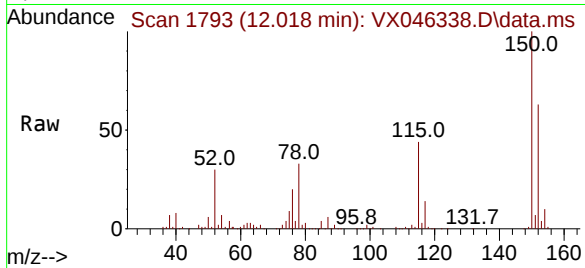




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

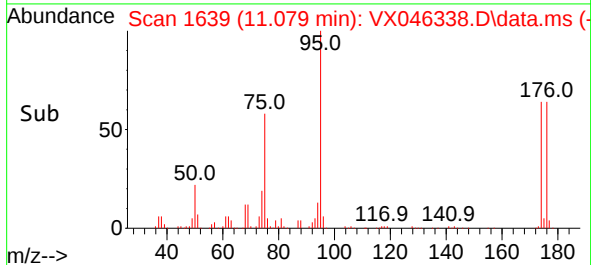
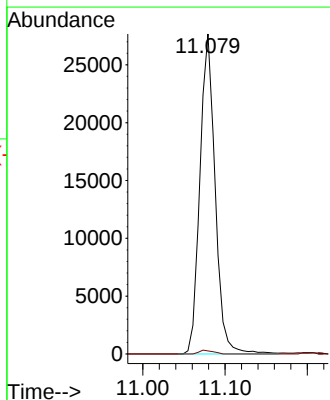
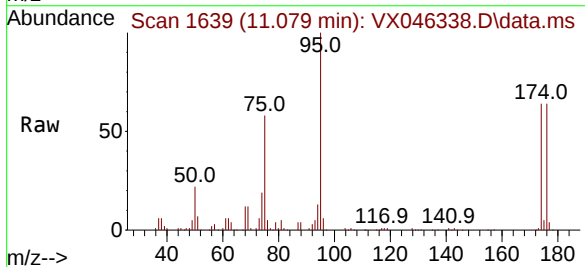
Instrument :  
MSVOA\_X  
ClientSampleId :  
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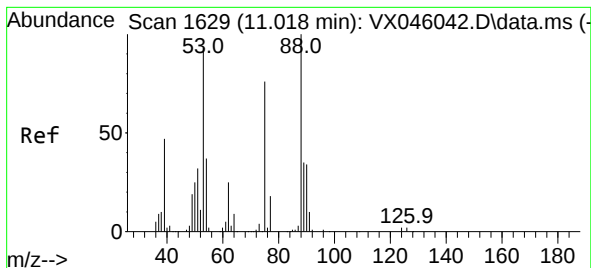
Tgt Ion:152 Resp: 52108  
Ion Ratio Lower Upper  
152 100  
115 66.6 46.9 140.7  
150 159.1 0.0 351.0



#76  
1,2,3-Trichloropropane  
Concen: 28.458 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Tgt Ion: 75 Resp: 35694  
Ion Ratio Lower Upper  
75 100  
77 1.1 20.5 61.5#

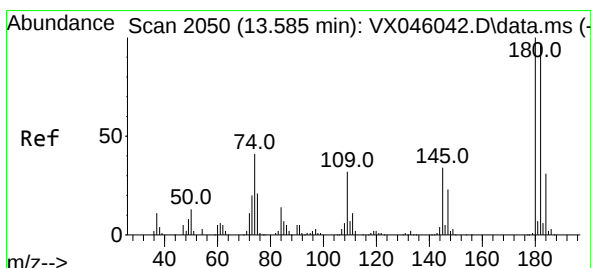
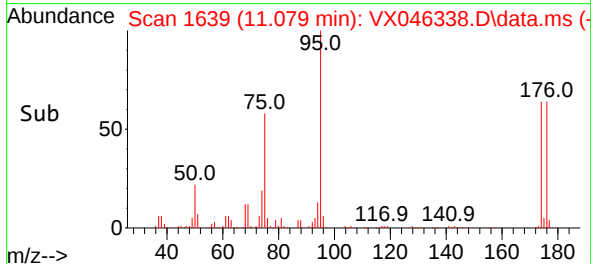
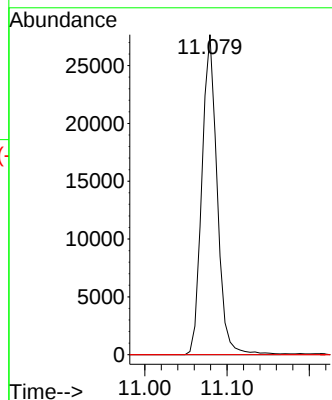
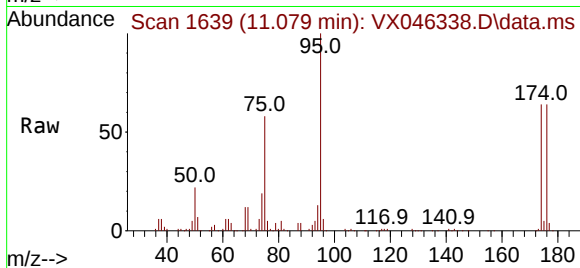




#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.651 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

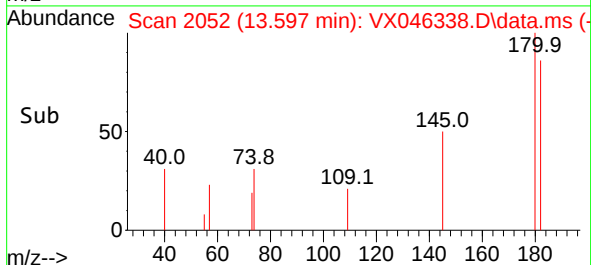
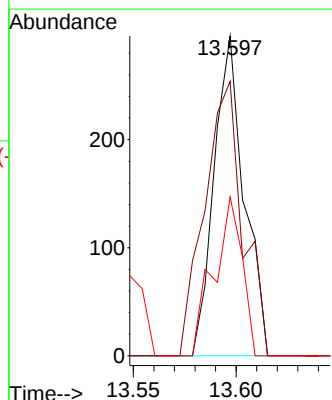
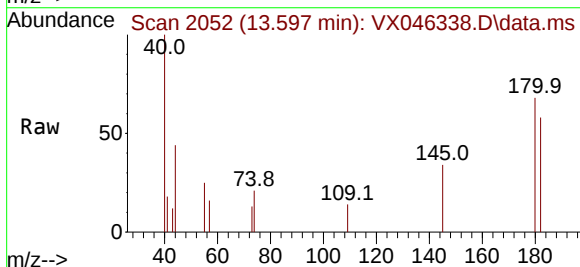
Instrument :  
MSVOA\_X  
ClientSampleId :  
VPB182-HYD-20250522

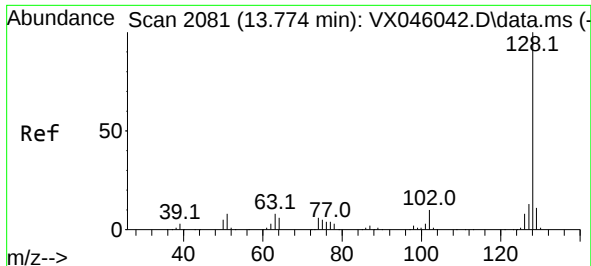
Tgt Ion: 75 Resp: 35694  
Ion Ratio Lower Upper  
75 100  
53 0.0 100.5 150.7#  
89 0.0 37.0 55.6#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.305 ug/l  
RT: 13.597 min Scan# 2052  
Delta R.T. 0.012 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Tgt Ion:180 Resp: 302  
Ion Ratio Lower Upper  
180 100  
182 108.6 47.9 143.8  
145 46.7 17.1 51.2

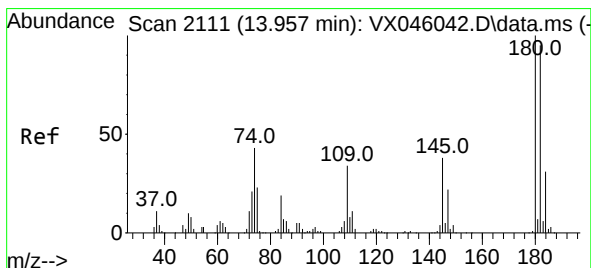
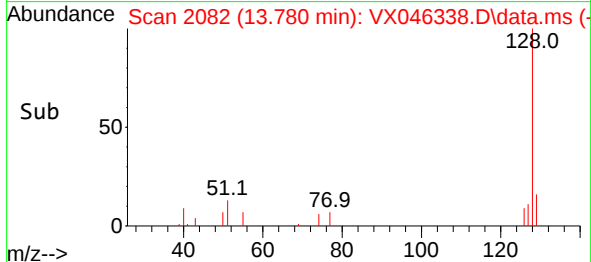
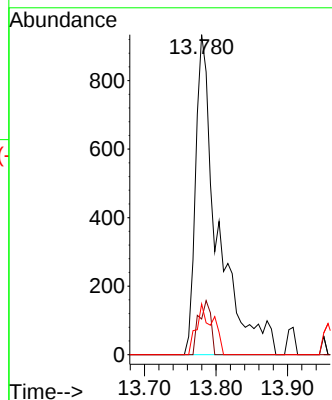
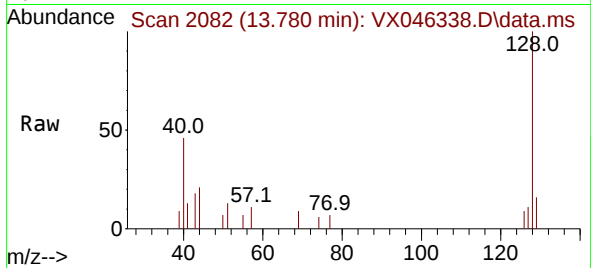




#95  
Naphthalene  
Concen: 0.555 ug/l  
RT: 13.780 min Scan# 2081  
Delta R.T. 0.006 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VPB182-HYD-20250522

Tgt Ion:128 Resp: 2016  
Ion Ratio Lower Upper  
128 100  
127 9.1 10.4 15.6#  
129 11.7 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 0.374 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.006 min  
Lab File: VX046338.D  
Acq: 23 May 2025 12:33

Tgt Ion:180 Resp: 382  
Ion Ratio Lower Upper  
180 100  
182 85.3 47.8 143.3  
145 41.4 18.1 54.3

