

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111225\  
 Data File : VV039365.D  
 Acq On : 12 Nov 2025 10:26  
 Operator : SY/MD  
 Sample : VV1112WBL01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VV1112WBL01

Quant Time: Nov 14 00:18:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V111125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 14 00:16:53 2025  
 Response via : Initial Calibration

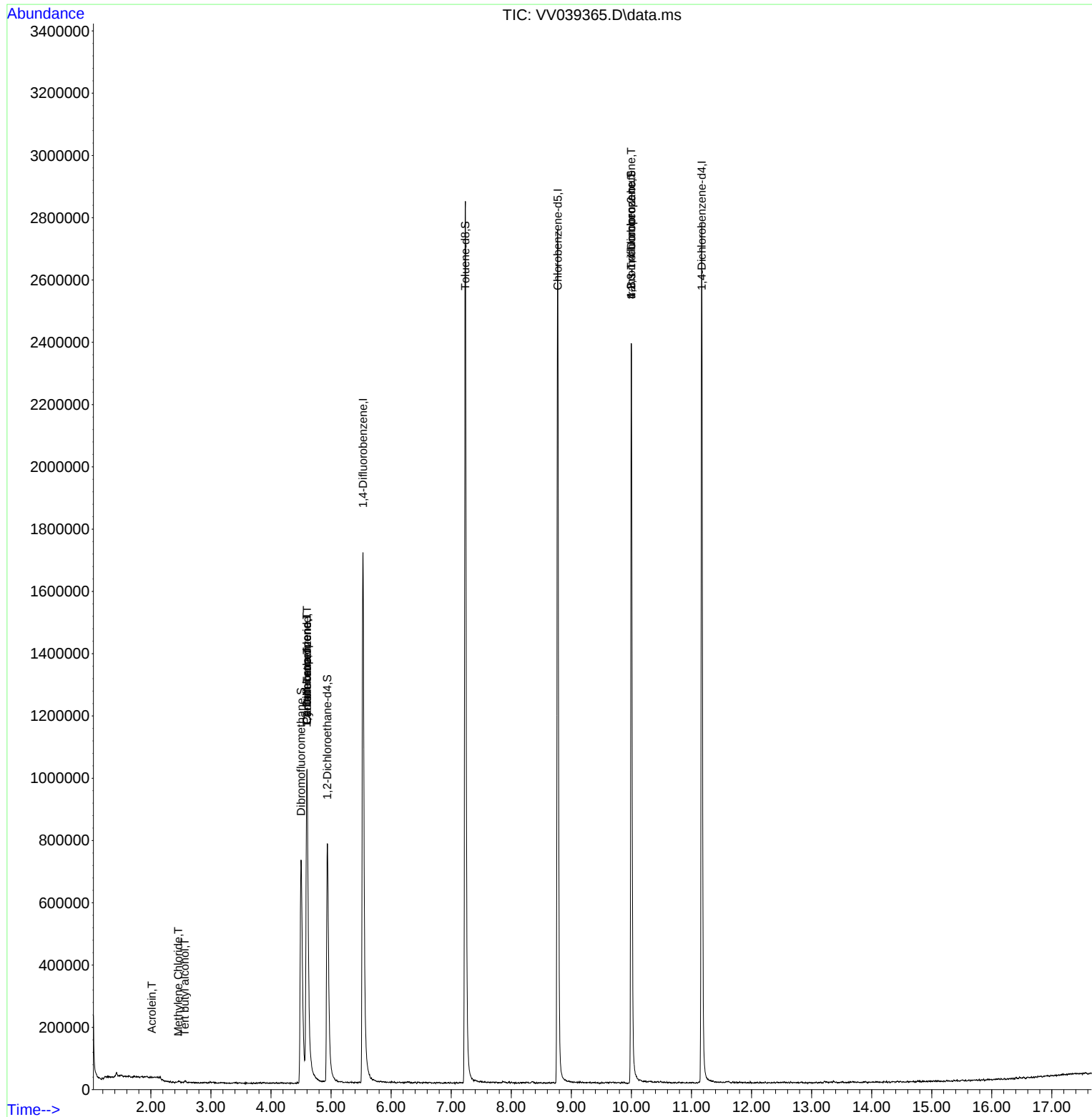
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 4.600  | 168   | 981795   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 5.532  | 114   | 1660510  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 8.773  | 117   | 1546587  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.172 | 152   | 766699   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 4.937  | 65    | 709203   | 58.553   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 81 - 118 | Recovery | =      | 117.100% |
| 35) Dibromofluoromethane      | 4.500  | 113   | 593439   | 46.596   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 80 - 119 | Recovery | =      | 93.200%  |
| 50) Toluene-d8                | 7.236  | 98    | 2004663  | 47.632   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 89 - 112 | Recovery | =      | 95.260%  |
| 62) 4-Bromofluorobenzene      | 9.998  | 95    | 734060   | 45.391   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 85 - 114 | Recovery | =      | 90.780%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.564  | 59    | 407      | 0.314    | ug/l # | 52       |
| 13) Acrolein                  | 2.015  | 56    | 185      | 1.520    | ug/l # | 15       |
| 20) Methylene Chloride        | 2.458  | 84    | 2693     | 0.272    | ug/l # | 64       |
| 31) Cyclohexane               | 4.600  | 56    | 17660    | 1.677    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 4.596  | 75    | 70147    | 6.395    | ug/l # | 45       |
| 38) Carbon Tetrachloride      | 4.600  | 117   | 87702    | 5.382    | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 9.998  | 75    | 365043   | 30.675   | ug/l # | 55       |
| 81) trans-1,4-Dichloro-2-b... | 9.998  | 75    | 365043   | 82.228   | ug/l # | 10       |
| -----                         |        |       |          |          |        |          |

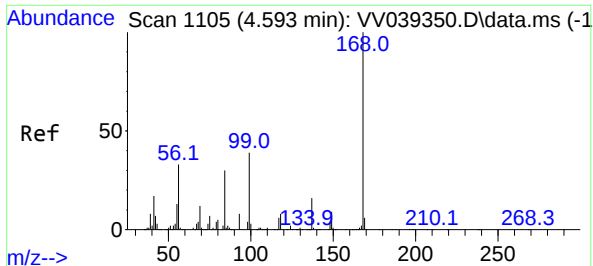
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111225\  
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Sample : VV1112WBL01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1112WBL01

Quant Time: Nov 14 00:18:19 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V111125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 14 00:16:53 2025  
Response via : Initial Calibration

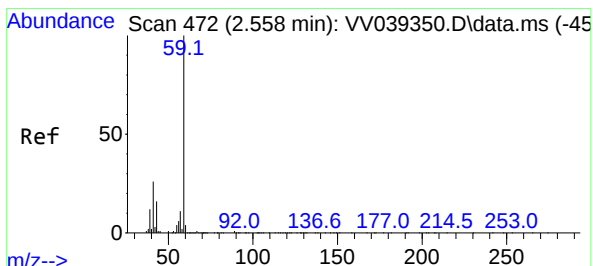
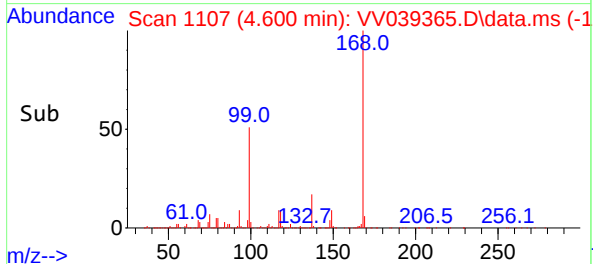
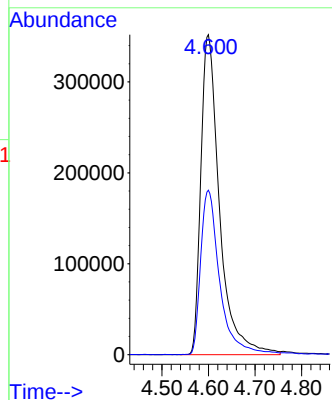
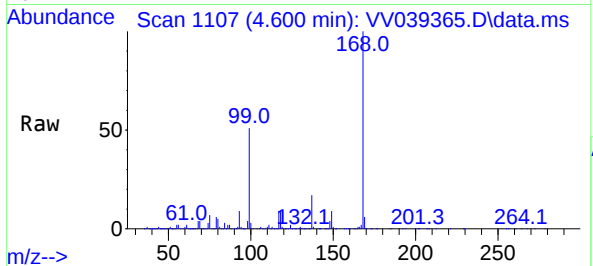




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 4.600 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

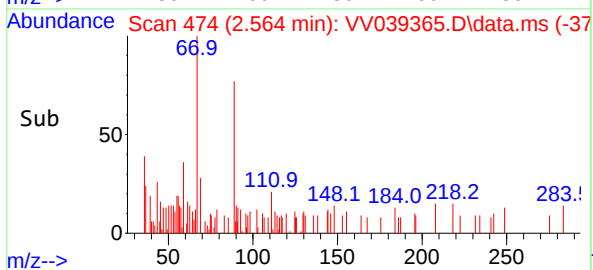
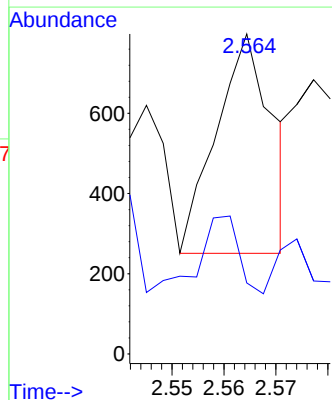
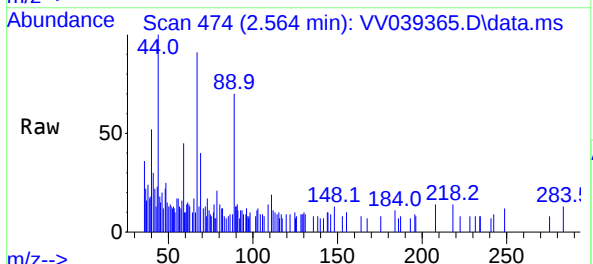
Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1112WBL01

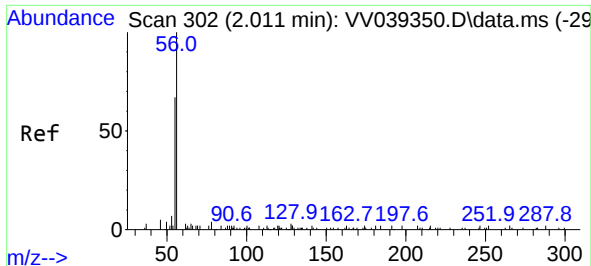
Tgt Ion:168 Resp: 981795  
Ion Ratio Lower Upper  
168 100  
99 51.4 41.2 61.8



#11  
Tert butyl alcohol  
Concen: 0.314 ug/l  
RT: 2.564 min Scan# 474  
Delta R.T. 0.006 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

Tgt Ion: 59 Resp: 407  
Ion Ratio Lower Upper  
59 100  
57 27.8 8.0 12.0#

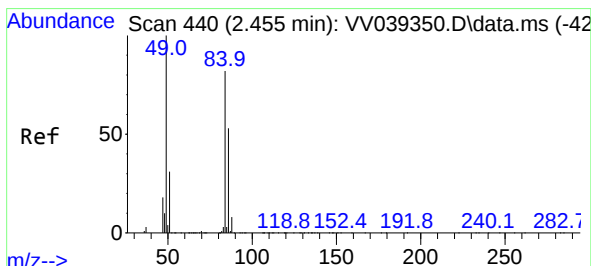
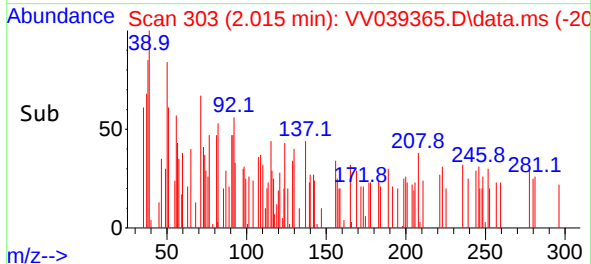
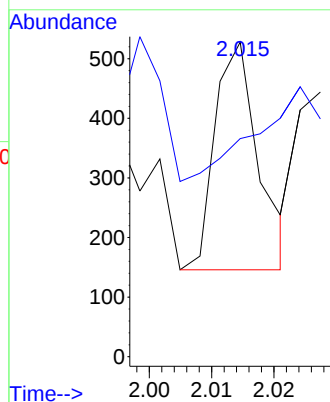
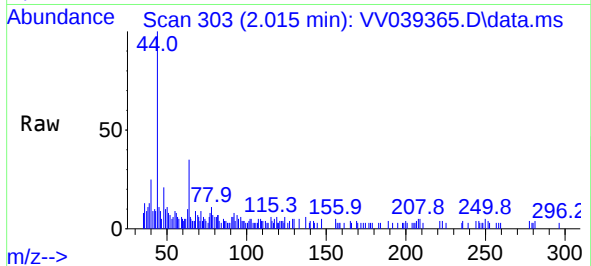




#13  
Acrolein  
Concen: 1.520 ug/l  
RT: 2.015 min Scan# 30  
Delta R.T. 0.003 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

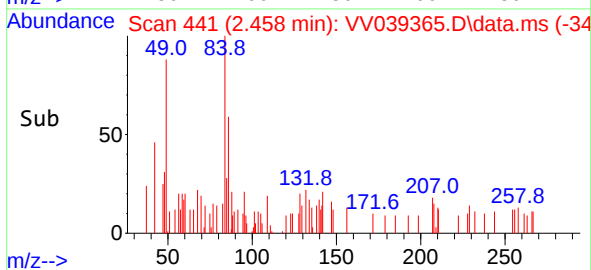
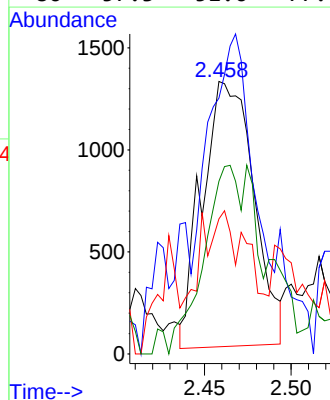
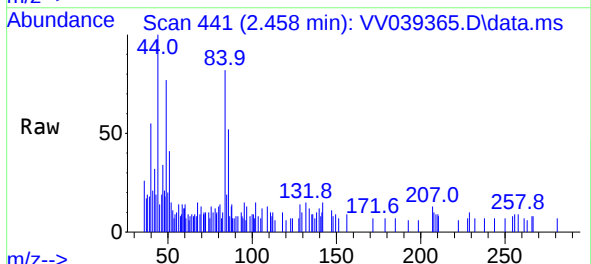
Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1112WBL01

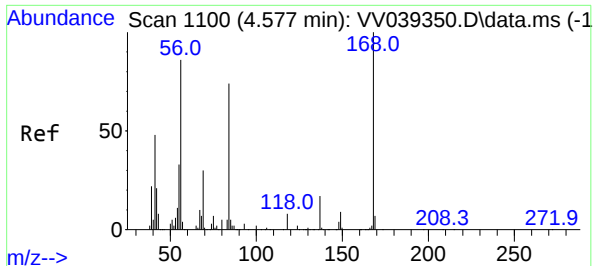
Tgt Ion: 56 Resp: 185  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.2 82.8#



#20  
Methylene Chloride  
Concen: 0.272 ug/l  
RT: 2.458 min Scan# 441  
Delta R.T. 0.003 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

Tgt Ion: 84 Resp: 2693  
Ion Ratio Lower Upper  
84 100  
49 54.0 97.8 146.8#  
51 36.7 30.2 45.4  
86 57.3 51.6 77.4

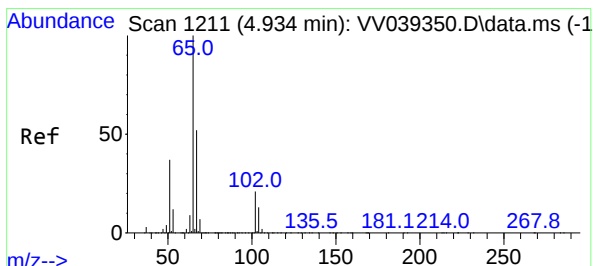
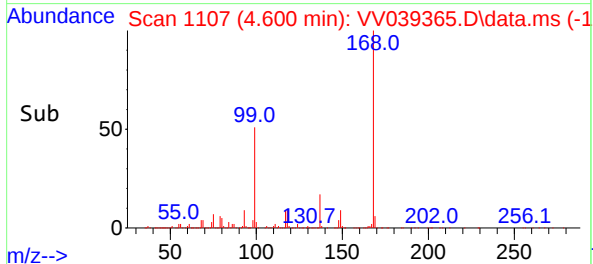
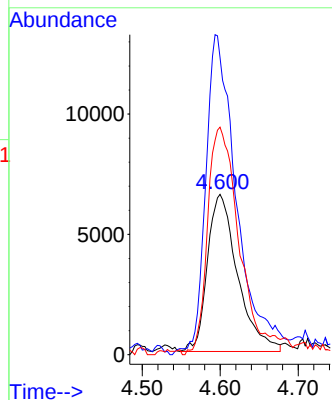
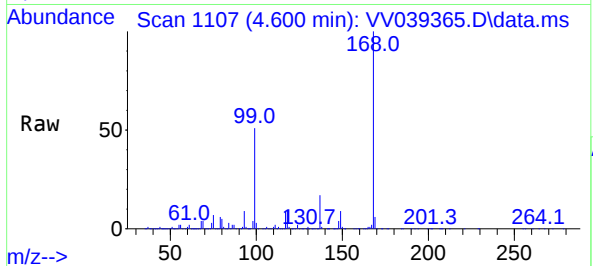




#31  
Cyclohexane  
Concen: 1.677 ug/l  
RT: 4.600 min Scan# 1107  
Delta R.T. 0.022 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

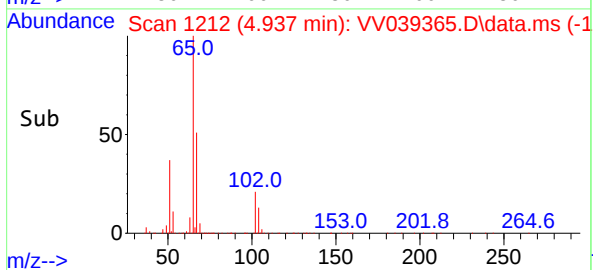
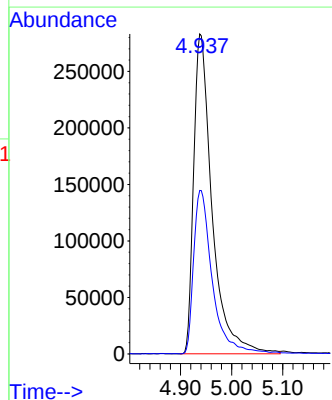
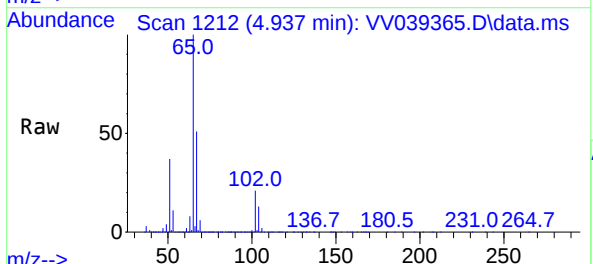
Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1112WBL01

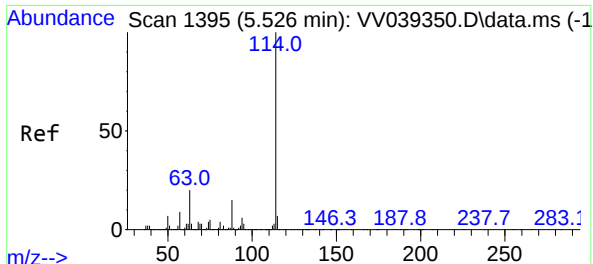
Tgt Ion: 56 Resp: 17660  
Ion Ratio Lower Upper  
56 100  
69 185.1 27.7 41.5#  
84 141.5 69.4 104.2#



#33  
1,2-Dichloroethane-d4  
Concen: 58.553 ug/l  
RT: 4.937 min Scan# 1212  
Delta R.T. 0.003 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

Tgt Ion: 65 Resp: 709203  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039365.D

Acq: 12 Nov 2025 10:26

Instrument :

MSVOA\_V

ClientSampleId :

VV1112WBL01

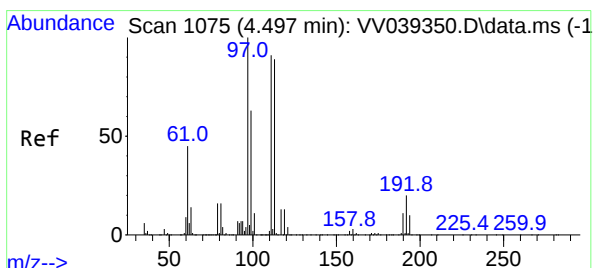
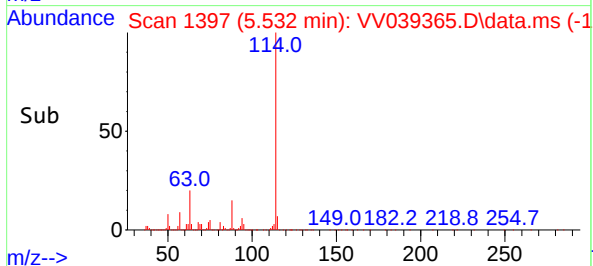
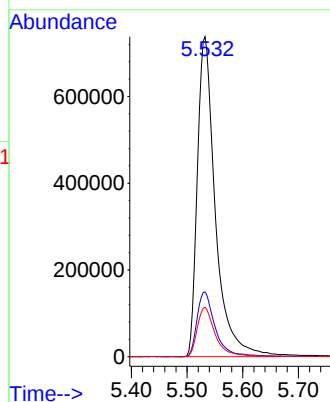
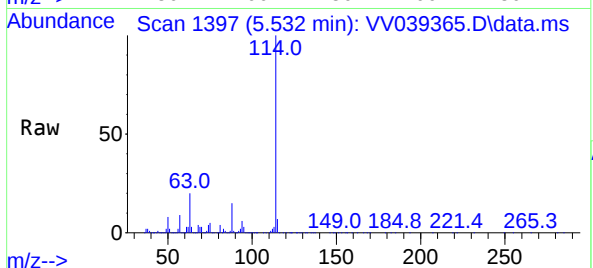
Tgt Ion:114 Resp: 1660510

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 15.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 46.596 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.003 min

Lab File: VV039365.D

Acq: 12 Nov 2025 10:26

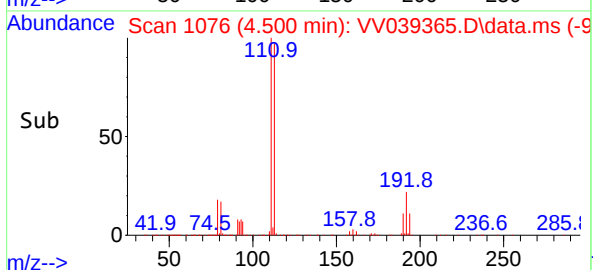
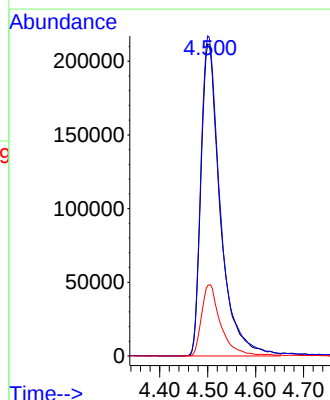
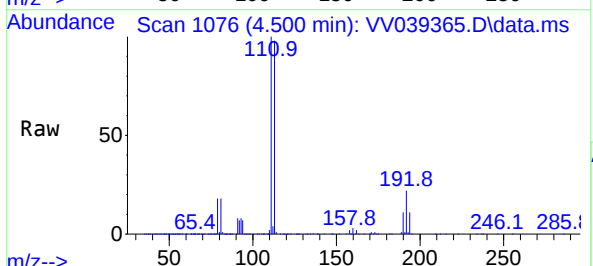
Tgt Ion:113 Resp: 593439

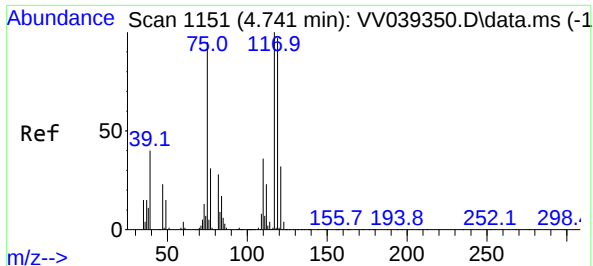
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 22.2 17.8 26.8

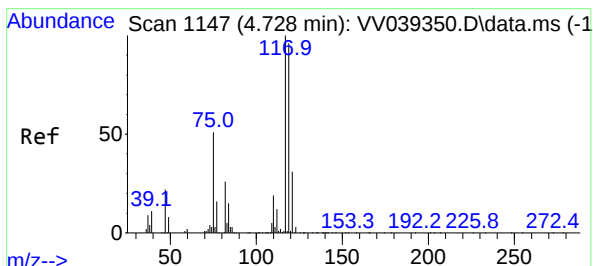
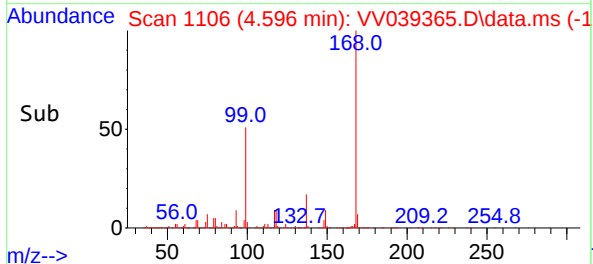
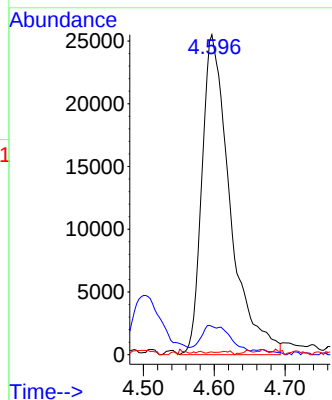
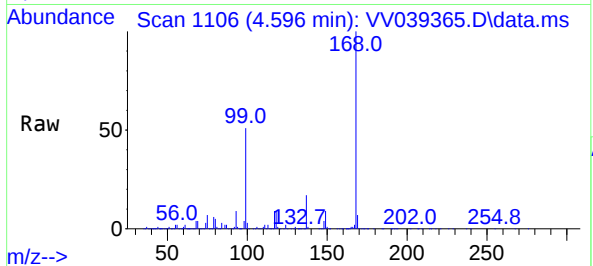




#36  
1,1-Dichloropropene  
Concen: 6.395 ug/l  
RT: 4.596 min Scan# 1106  
Delta R.T. -0.145 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

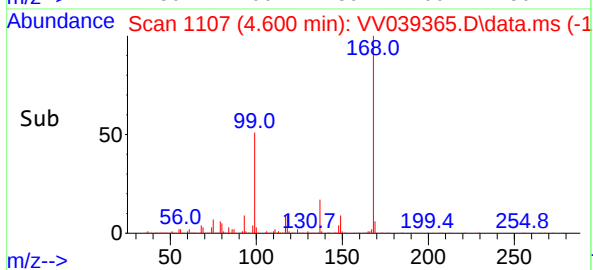
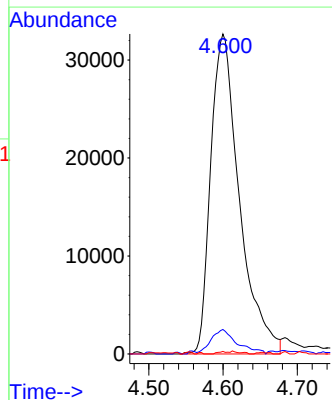
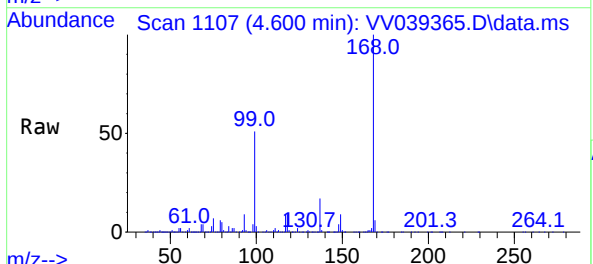
Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1112WBL01

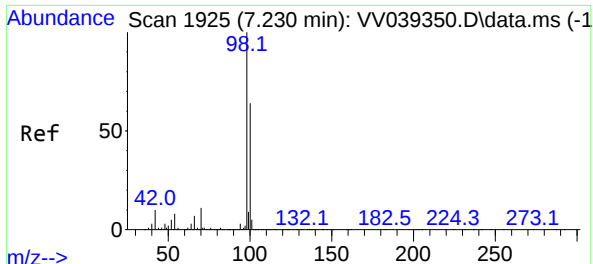
Tgt Ion: 75 Resp: 70147  
Ion Ratio Lower Upper  
75 100  
110 3.3 18.1 54.4#  
77 0.2 24.0 36.0#



#38  
Carbon Tetrachloride  
Concen: 5.382 ug/l  
RT: 4.600 min Scan# 1107  
Delta R.T. -0.129 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

Tgt Ion: 117 Resp: 87702  
Ion Ratio Lower Upper  
117 100  
119 7.3 76.1 114.1#  
121 0.8 25.0 37.4#

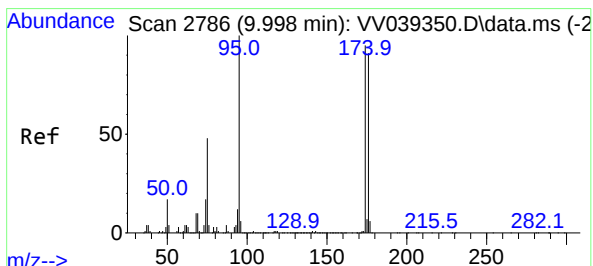
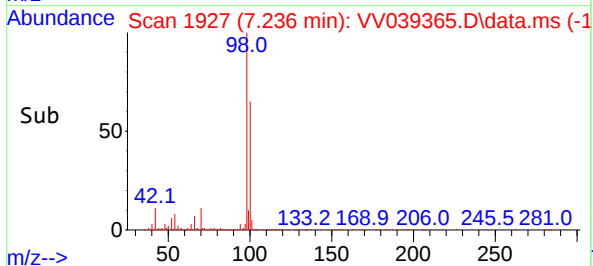
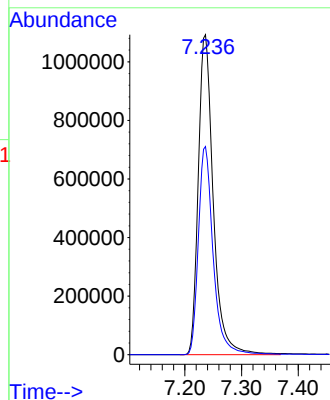
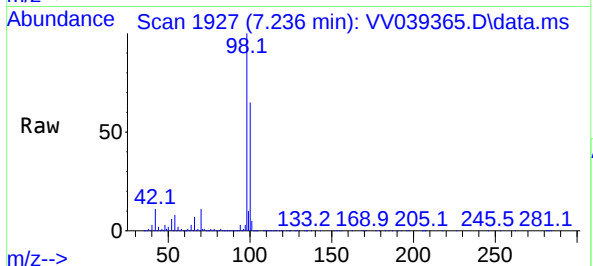




#50  
Toluene-d8  
Concen: 47.632 ug/l  
RT: 7.236 min Scan# 1925  
Delta R.T. 0.006 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

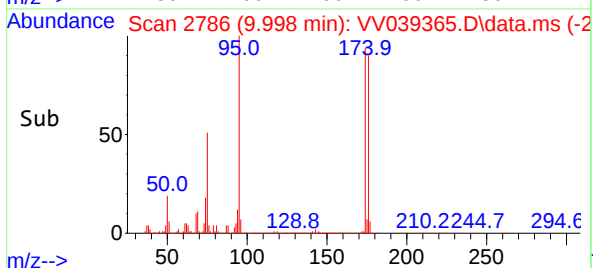
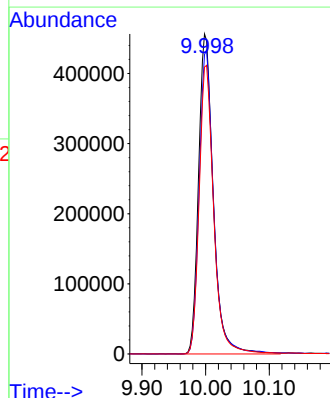
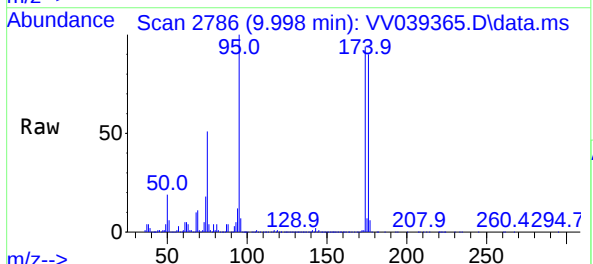
Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1112WBL01

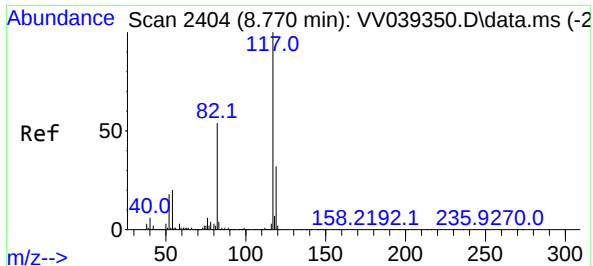
Tgt Ion: 98 Resp: 2004663  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 45.391 ug/l  
RT: 9.998 min Scan# 2786  
Delta R.T. 0.000 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

Tgt Ion: 95 Resp: 734060  
Ion Ratio Lower Upper  
95 100  
174 94.2 0.0 187.6  
176 89.4 0.0 180.2

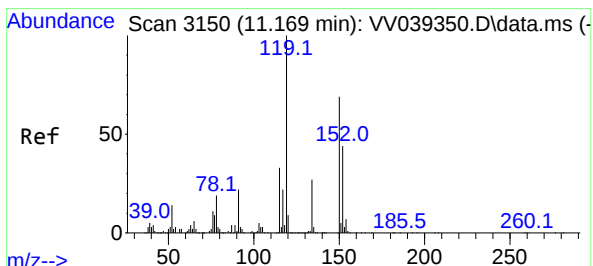
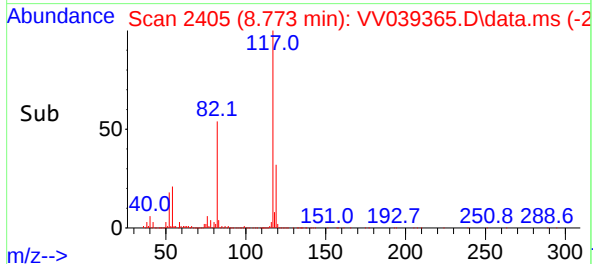
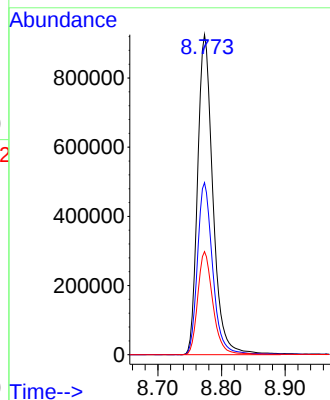
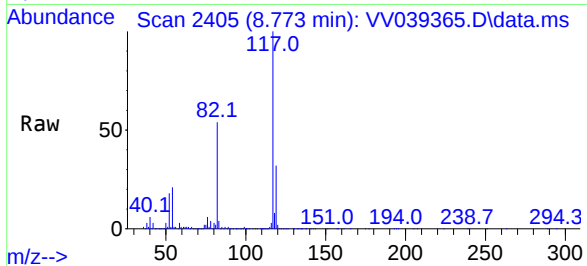




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 8.773 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

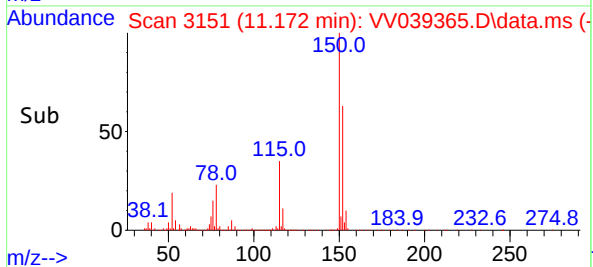
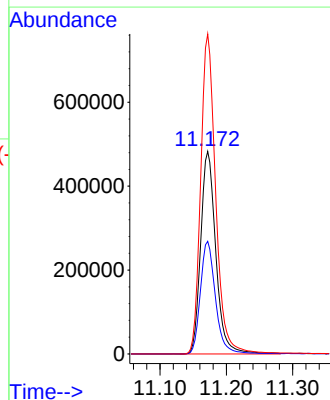
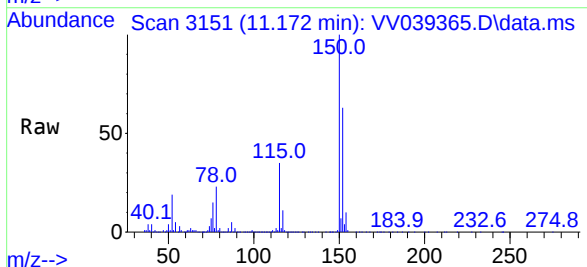
Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1112WBL01

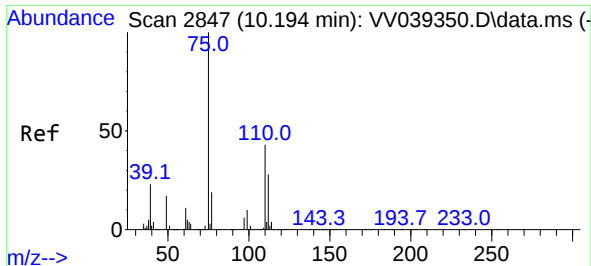
Tgt Ion:117 Resp: 1546587  
Ion Ratio Lower Upper  
117 100  
82 53.8 42.9 64.3  
119 32.2 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.172 min Scan# 3151  
Delta R.T. 0.003 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

Tgt Ion:152 Resp: 766699  
Ion Ratio Lower Upper  
152 100  
115 55.5 37.3 111.9  
150 157.2 0.0 340.4

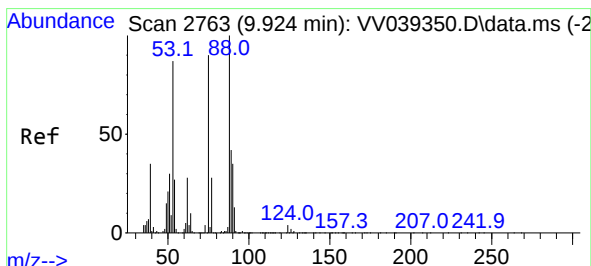
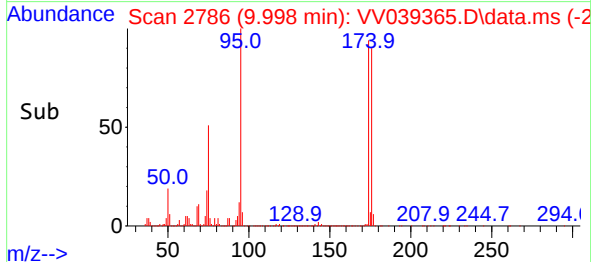
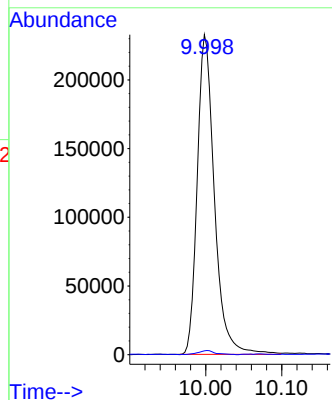
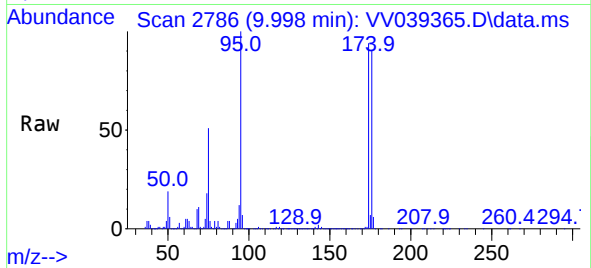




#76  
1,2,3-Trichloropropane  
Concen: 30.675 ug/l  
RT: 9.998 min Scan# 2786  
Delta R.T. -0.196 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

Instrument :  
MSVOA\_V  
ClientSampleId :  
VV1112WBL01

Tgt Ion: 75 Resp: 365043  
Ion Ratio Lower Upper  
75 100  
77 1.3 11.8 35.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.228 ug/l  
RT: 9.998 min Scan# 2786  
Delta R.T. 0.074 min  
Lab File: VV039365.D  
Acq: 12 Nov 2025 10:26

Tgt Ion: 75 Resp: 365043  
Ion Ratio Lower Upper  
75 100  
53 0.3 79.0 118.6#  
89 0.0 40.4 60.6#

