

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071025\  
 Data File : VW031798.D  
 Acq On : 10 Jul 2025 13:25  
 Operator : SY/MD  
 Sample : Q2529-05  
 Misc : 5.54g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-98

Quant Time: Jul 11 02:19:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:35:17 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.965  | 168  | 168081   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 382359   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.629 | 117  | 360038   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.562 | 152  | 165092   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 141074   | 58.485   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =    | 116.960% |
| 35) Dibromofluoromethane    | 7.904  | 113   | 115518   | 46.299   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =    | 92.600%  |
| 50) Toluene-d8              | 10.331 | 98    | 454159   | 48.913   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =    | 97.820%  |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 178941   | 52.369   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =    | 104.740% |

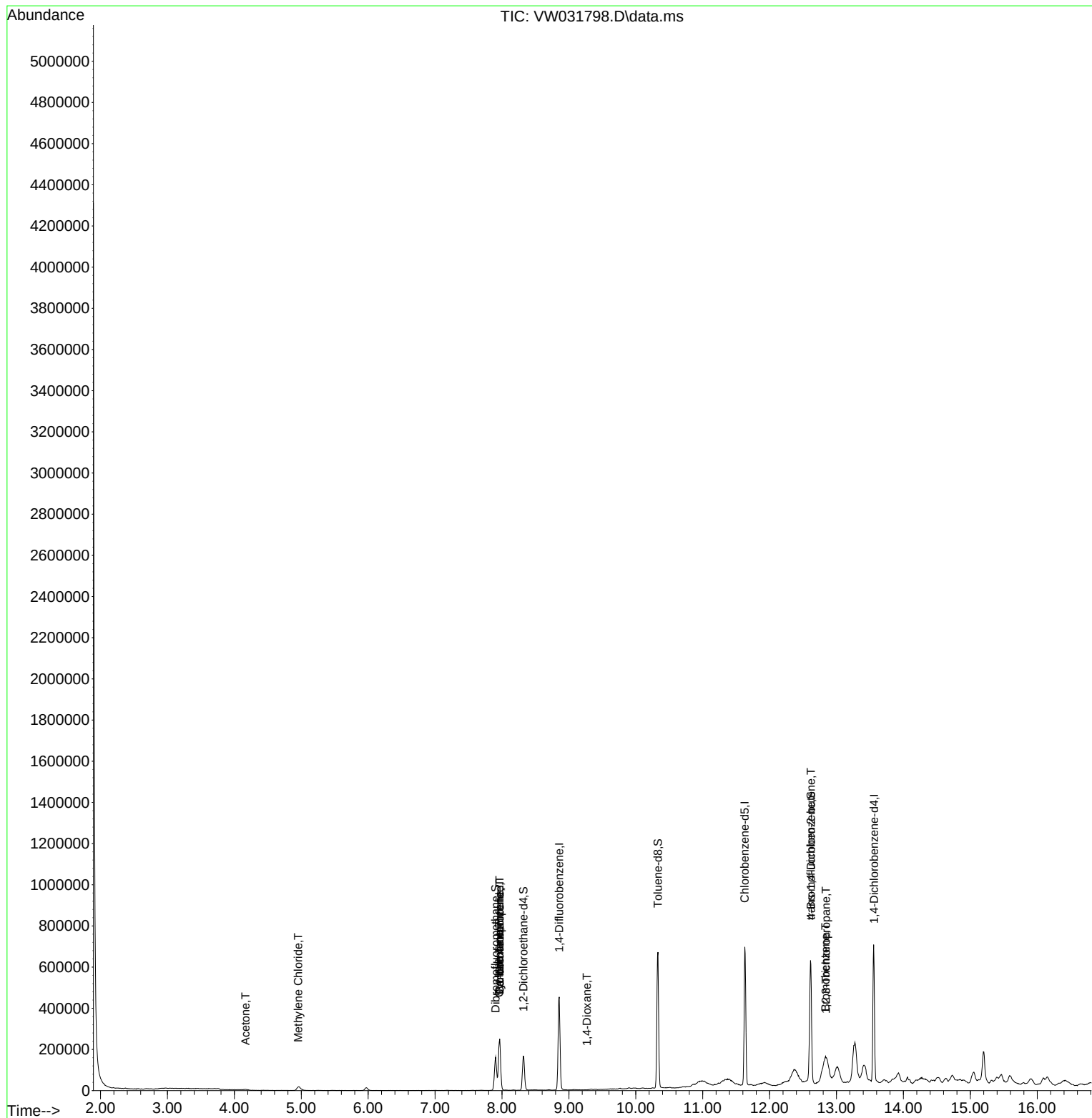
| Target Compounds              |        |     |        |         | Qvalue |    |
|-------------------------------|--------|-----|--------|---------|--------|----|
| 16) Acetone                   | 4.167  | 43  | 2126   | 3.566   | ug/l # | 78 |
| 20) Methylene Chloride        | 4.954  | 84  | 16375  | 2.714   | ug/l   | 97 |
| 31) Cyclohexane               | 7.959  | 56  | 4996   | 1.455   | ug/l # | 1  |
| 36) 1,1-Dichloropropene       | 7.965  | 75  | 16275  | 4.508   | ug/l # | 52 |
| 38) Carbon Tetrachloride      | 7.965  | 117 | 20262  | 5.507   | ug/l # | 17 |
| 49) 1,4-Dioxane               | 9.270  | 88  | 41     | 2.100   | ug/l # | 13 |
| 76) 1,2,3-Trichloropropane    | 12.843 | 75  | 7704   | 3.611   | ug/l   | 53 |
| 77) Bromobenzene              | 12.836 | 156 | 191067 | 68.218  | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.617 | 75  | 92125  | 100.576 | ug/l # | 8  |

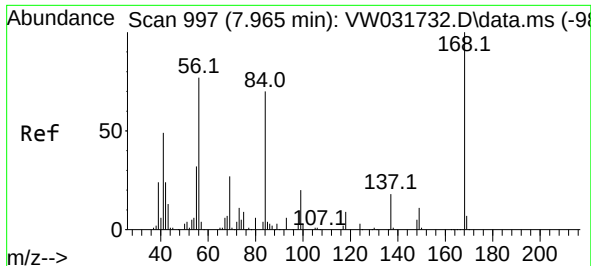
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071025\  
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Quant Time: Jul 11 02:19:56 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 01 03:35:17 2025  
Response via : Initial Calibration

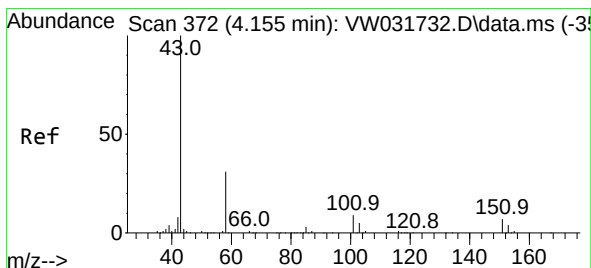
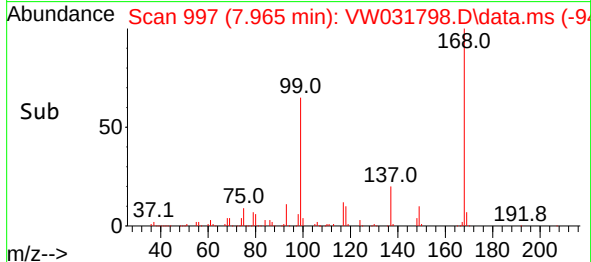
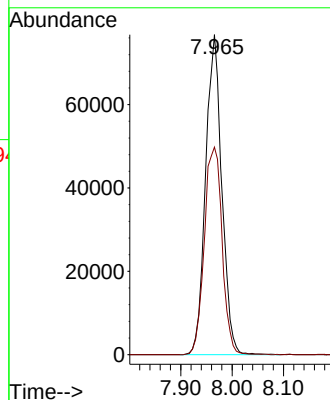
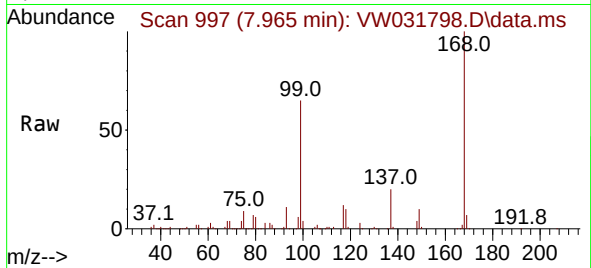




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.965 min Scan# 997  
Delta R.T. 0.000 min  
Lab File: VW031798.D  
Acq: 10 Jul 2025 13:25

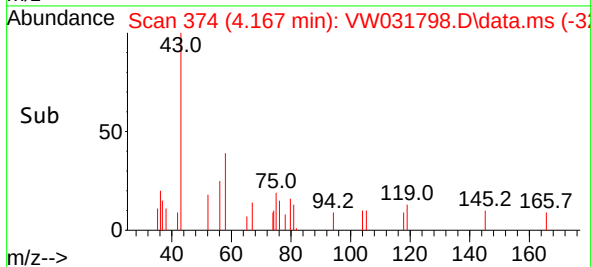
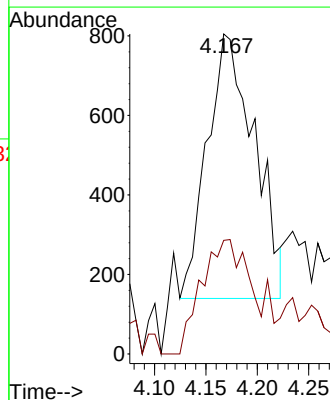
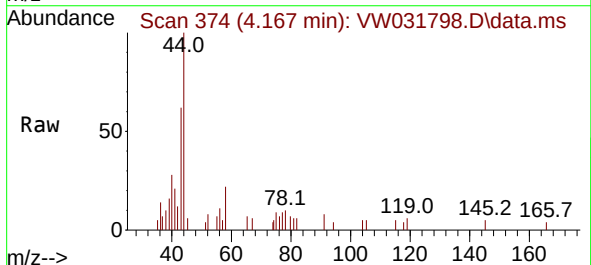
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MSVOA\_W  
ClientSampleId :  
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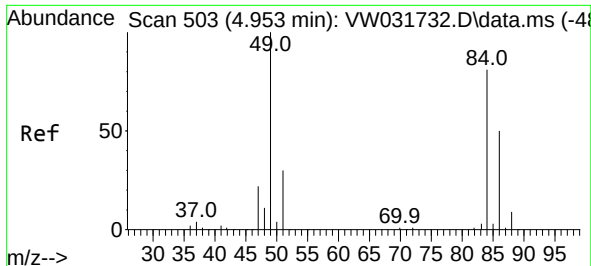
Tgt Ion:168 Resp: 168081  
Ion Ratio Lower Upper  
168 100  
99 64.9 49.4 74.2



#16  
Acetone  
Concen: 3.566 ug/l  
RT: 4.167 min Scan# 374  
Delta R.T. 0.013 min  
Lab File: VW031798.D  
Acq: 10 Jul 2025 13:25

Tgt Ion: 43 Resp: 2126  
Ion Ratio Lower Upper  
43 100  
58 43.0 24.8 37.2#

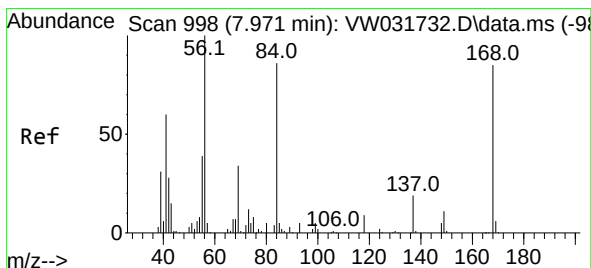
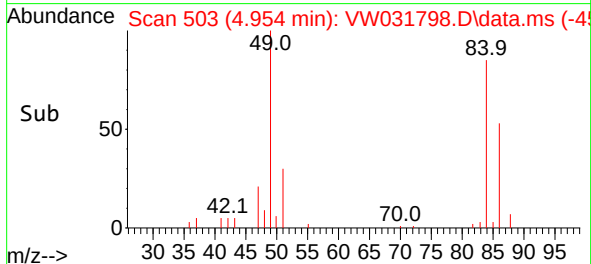
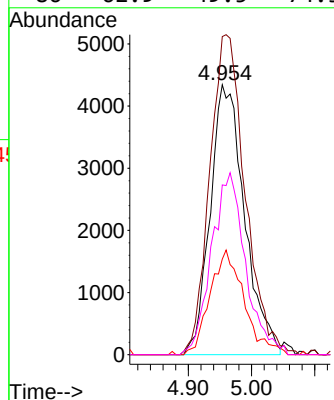
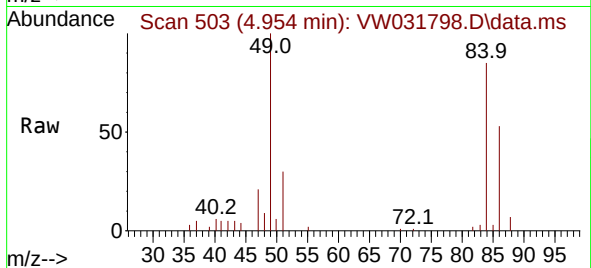




#20  
Methylene Chloride  
Concen: 2.714 ug/l  
RT: 4.954 min Scan# 503  
Delta R.T. 0.000 min  
Lab File: VW031798.D  
Acq: 10 Jul 2025 13:25

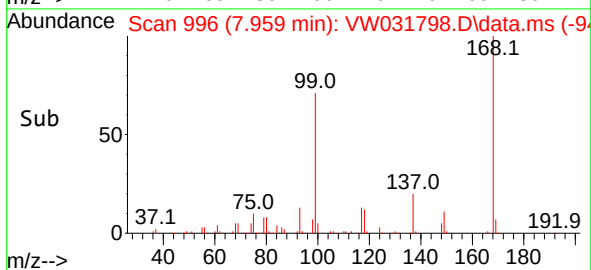
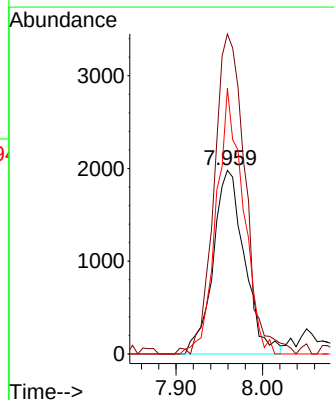
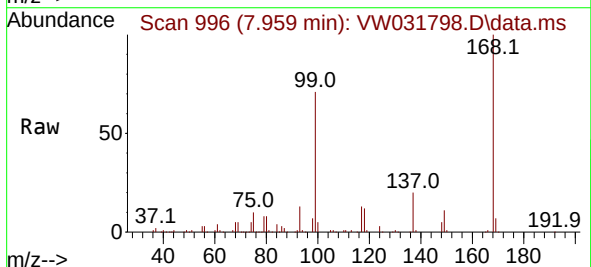
Instrument :  
MSVOA\_W  
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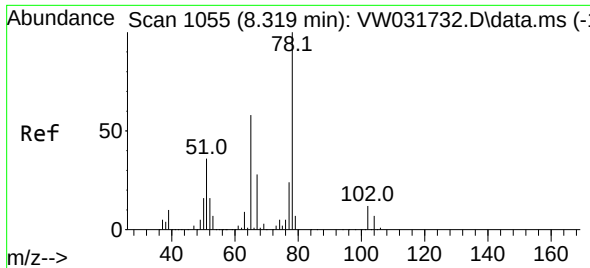
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 16375 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.8 | 98.2  | 147.4 |
| 51       | 35.4  | 29.8  | 44.8  |
| 86       | 62.9  | 49.5  | 74.3  |



#31  
Cyclohexane  
Concen: 1.455 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.012 min  
Lab File: VW031798.D  
Acq: 10 Jul 2025 13:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4996   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 171.2 | 27.2  | 40.8#  |
| 84       | 144.6 | 68.5  | 102.7# |

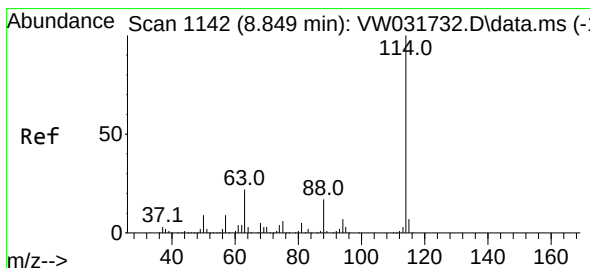
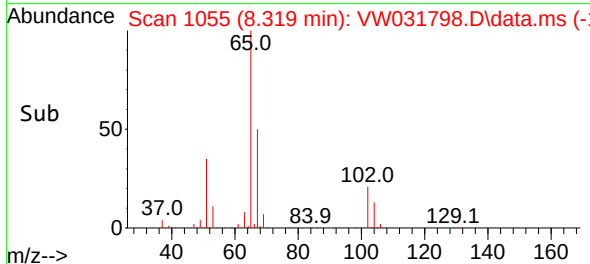
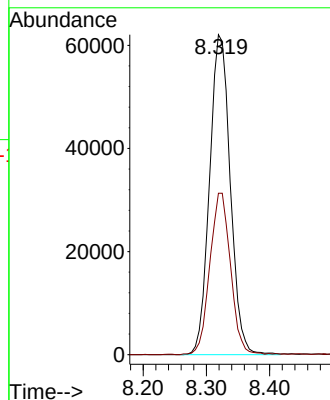
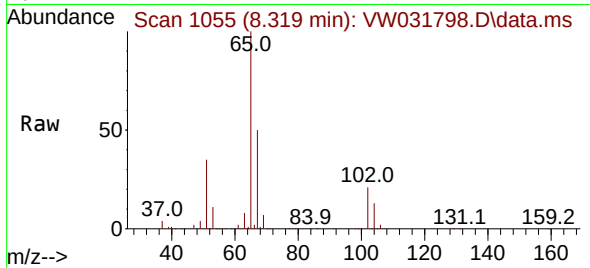




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.485 ug/l  
 RT: 8.319 min Scan# 1055  
 Delta R.T. 0.000 min  
 Lab File: VW031798.D  
 Acq: 10 Jul 2025 13:25

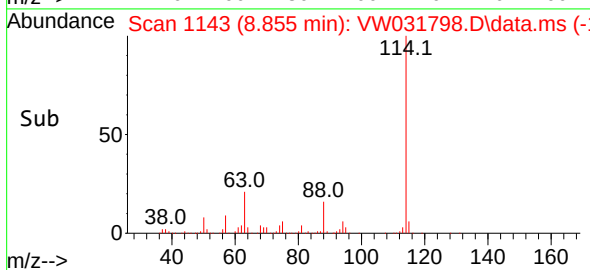
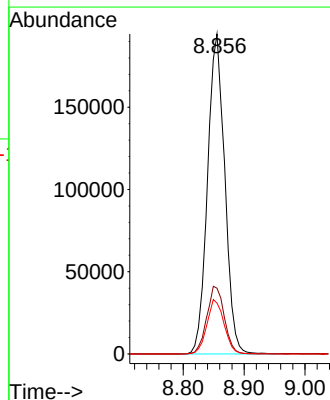
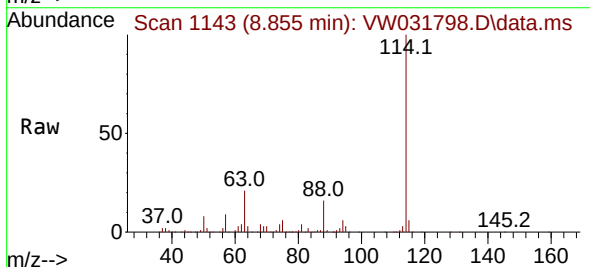
Instrument :  
 MSVOA\_W  
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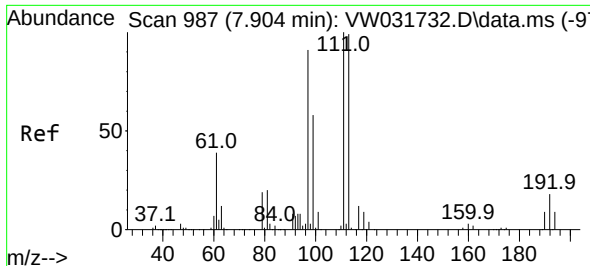
Tgt Ion: 65 Resp: 141074  
 Ion Ratio Lower Upper  
 65 100  
 67 50.6 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.855 min Scan# 1143  
 Delta R.T. 0.006 min  
 Lab File: VW031798.D  
 Acq: 10 Jul 2025 13:25

Tgt Ion: 114 Resp: 382359  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 43.6  
 88 15.9 0.0 34.2

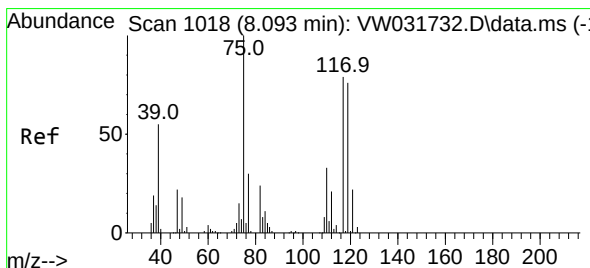
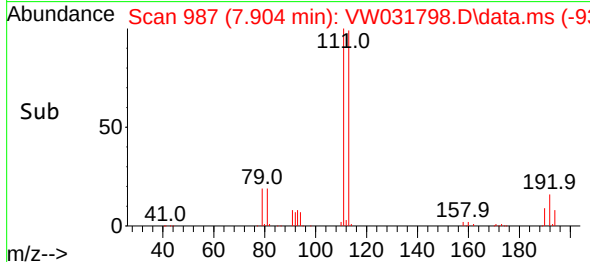
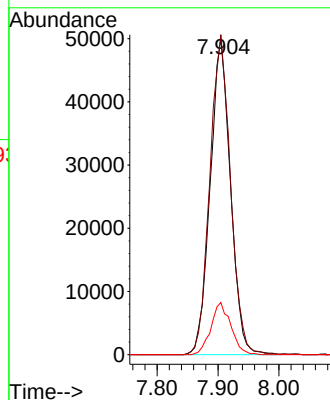
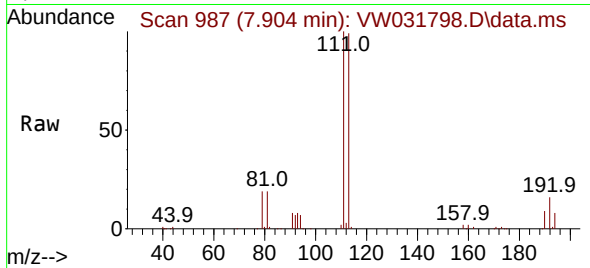




#35  
 Dibromofluoromethane  
 Concen: 46.299 ug/l  
 RT: 7.904 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VW031798.D  
 Acq: 10 Jul 2025 13:25

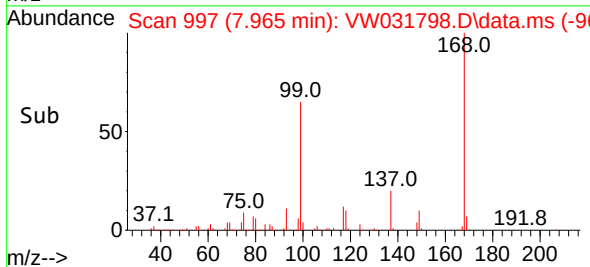
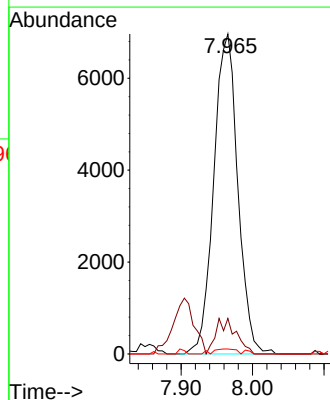
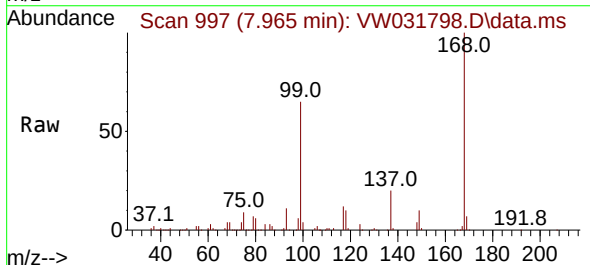
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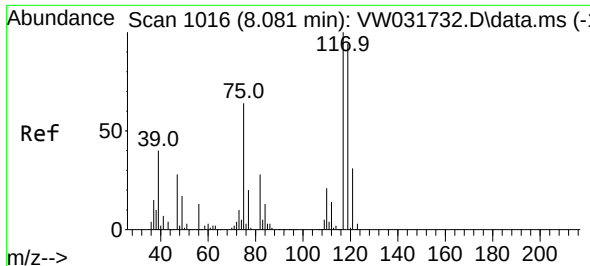
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 115518 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.4 | 82.1  | 123.1  |
| 192      | 16.2  | 13.8  | 20.6   |



#36  
 1,1-Dichloropropene  
 Concen: 4.508 ug/l  
 RT: 7.965 min Scan# 997  
 Delta R.T. -0.128 min  
 Lab File: VW031798.D  
 Acq: 10 Jul 2025 13:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 16275 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.2   | 16.8  | 50.4# |
| 77       | 1.5   | 25.0  | 37.6# |





#38

Carbon Tetrachloride

Concen: 5.507 ug/l

RT: 7.965 min Scan# 91

Delta R.T. -0.115 min

Lab File: VW031798.D

Acq: 10 Jul 2025 13:25

Instrument :

MSVOA\_W

ClientSampleId :

TP-98

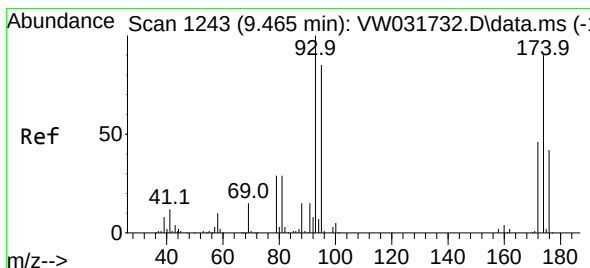
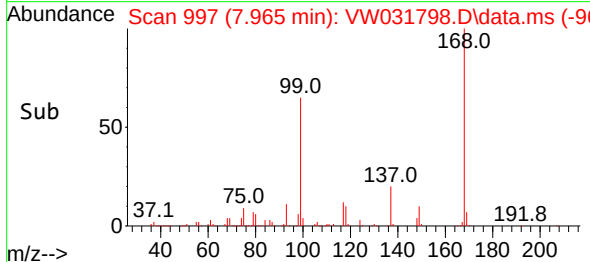
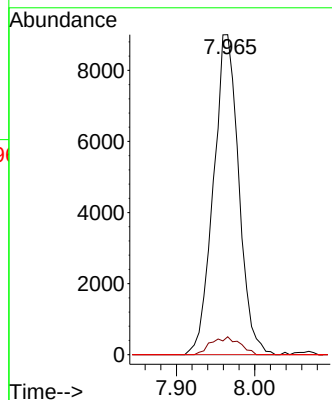
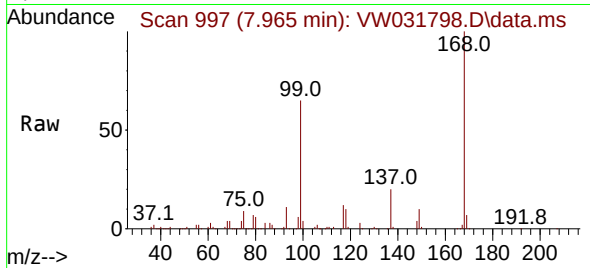
Tgt Ion:117 Resp: 20262

Ion Ratio Lower Upper

117 100

119 5.6 75.0 112.6#

121 0.0 24.6 37.0#



#49

1,4-Dioxane

Concen: 2.100 ug/l

RT: 9.270 min Scan# 1211

Delta R.T. -0.195 min

Lab File: VW031798.D

Acq: 10 Jul 2025 13:25

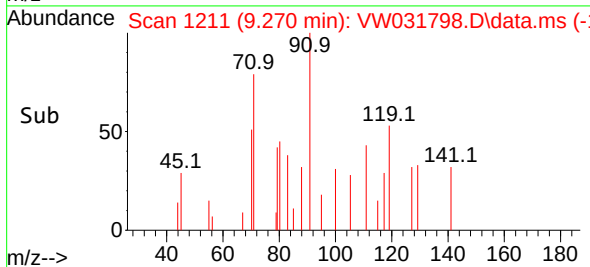
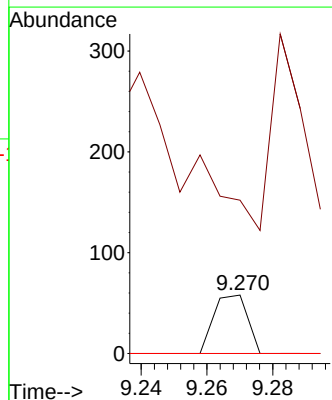
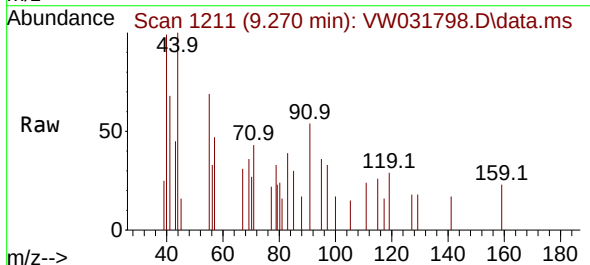
Tgt Ion: 88 Resp: 41

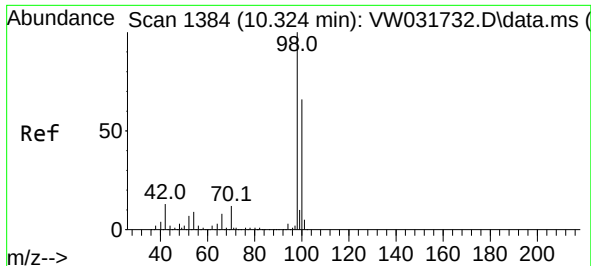
Ion Ratio Lower Upper

88 100

43 226.8 0.0 0.0#

58 0.0 58.3 87.5#

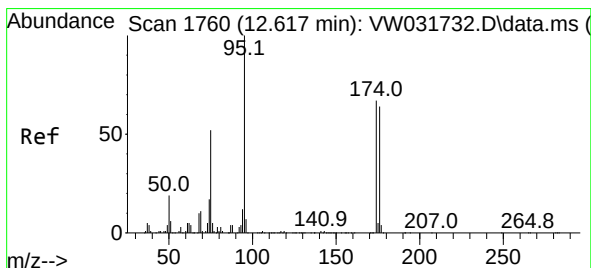
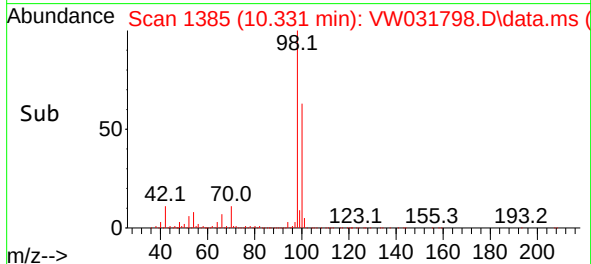
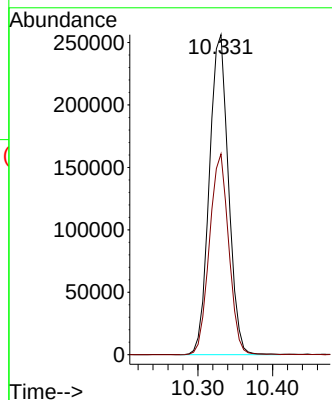
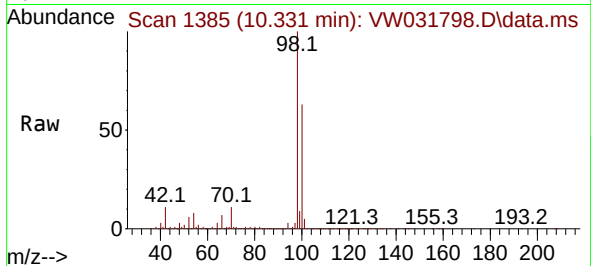




#50  
Toluene-d8  
Concen: 48.913 ug/l  
RT: 10.331 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW031798.D  
Acq: 10 Jul 2025 13:25

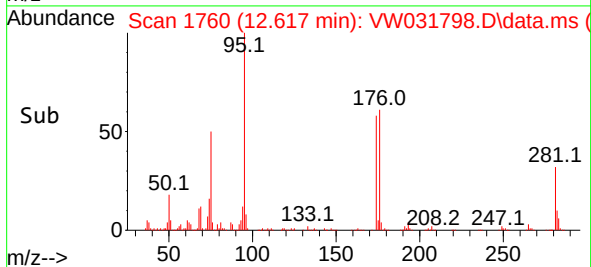
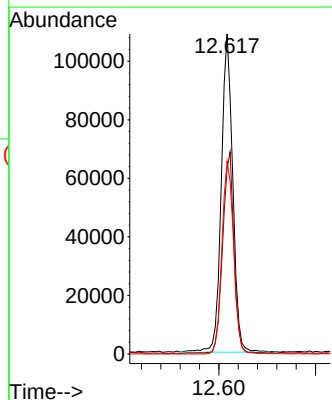
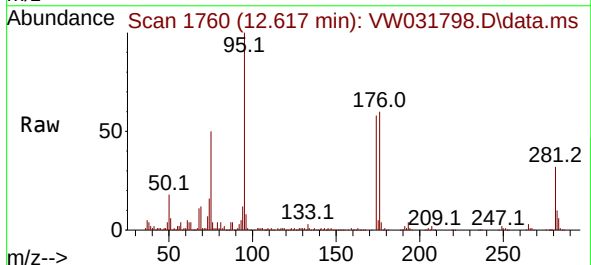
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Tgt Ion: 98 Resp: 454159  
Ion Ratio Lower Upper  
98 100  
100 63.4 53.0 79.4

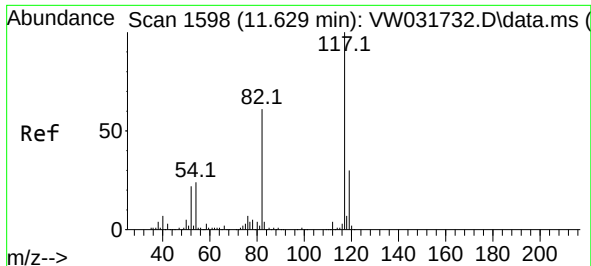


#62  
4-Bromofluorobenzene  
Concen: 52.369 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW031798.D  
Acq: 10 Jul 2025 13:25

Tgt Ion: 95 Resp: 178941  
Ion Ratio Lower Upper  
95 100  
174 62.0 0.0 133.8  
176 61.8 0.0 126.0



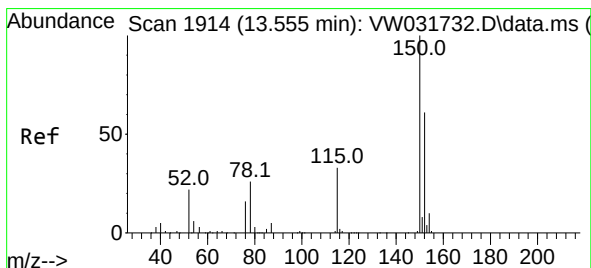
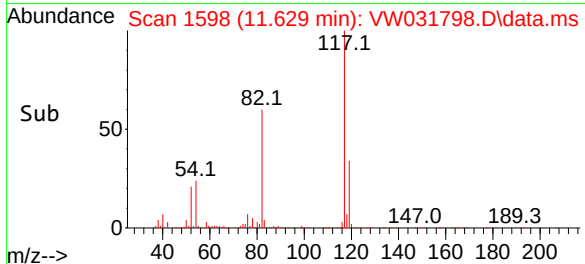
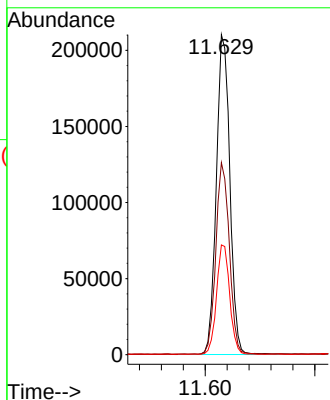
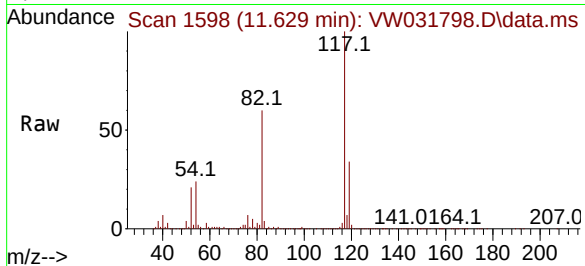




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VW031798.D  
Acq: 10 Jul 2025 13:25

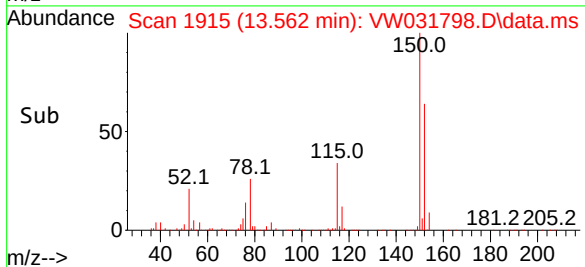
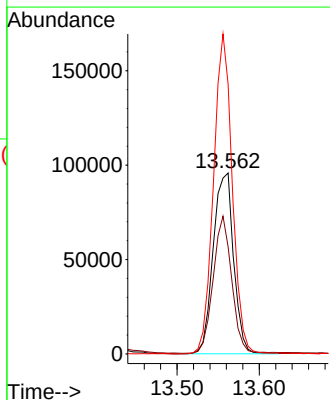
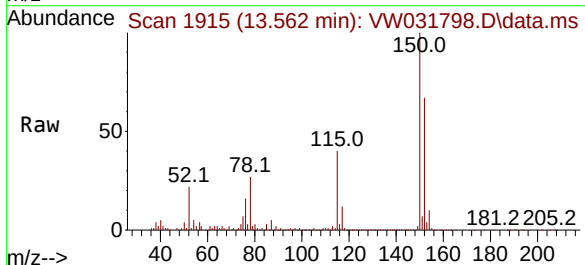
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-98

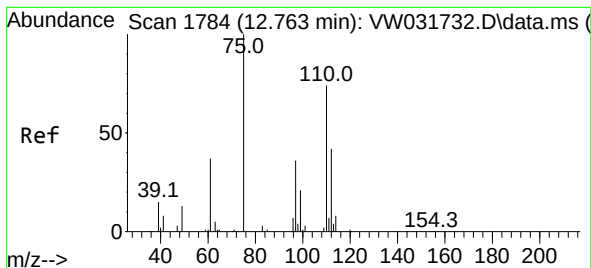
Tgt Ion:117 Resp: 360038  
Ion Ratio Lower Upper  
117 100  
82 59.9 48.6 72.8  
119 34.2 23.9 35.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.562 min Scan# 1915  
Delta R.T. 0.006 min  
Lab File: VW031798.D  
Acq: 10 Jul 2025 13:25

Tgt Ion:152 Resp: 165092  
Ion Ratio Lower Upper  
152 100  
115 69.6 31.9 95.7  
150 162.8 0.0 356.4





#76

1,2,3-Trichloropropane

Concen: 3.611 ug/l

RT: 12.843 min Scan# 1797

Delta R.T. 0.080 min

Lab File: VW031798.D

Acq: 10 Jul 2025 13:25

Instrument :

MSVOA\_W

ClientSampleId :

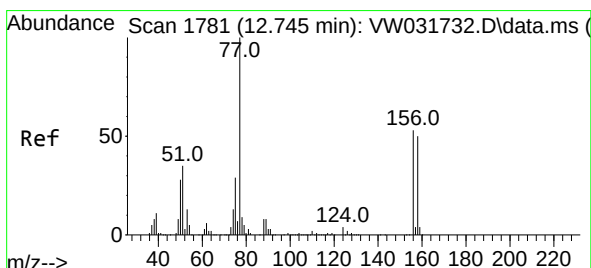
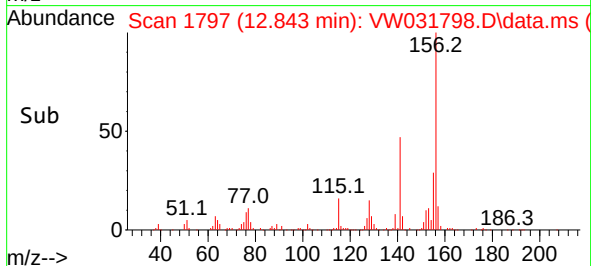
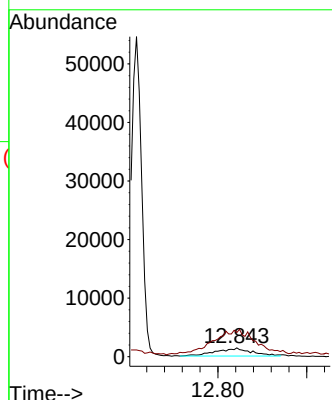
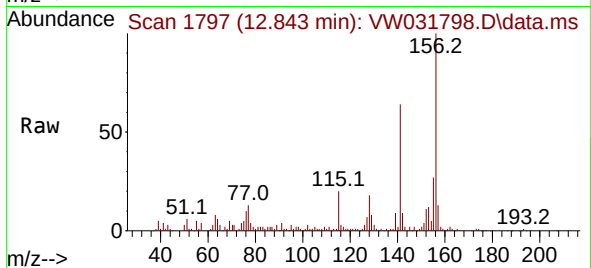
TP-98

Tgt Ion: 75 Resp: 7704

Ion Ratio Lower Upper

75 100

77 370.5 141.2 423.6



#77

Bromobenzene

Concen: 68.218 ug/l

RT: 12.836 min Scan# 1796

Delta R.T. 0.092 min

Lab File: VW031798.D

Acq: 10 Jul 2025 13:25

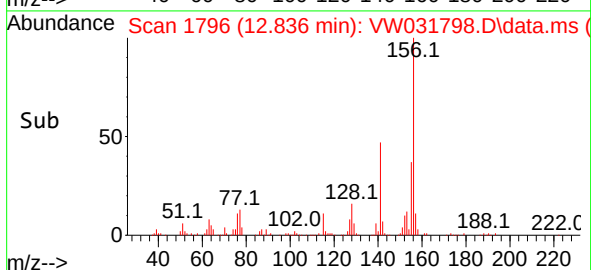
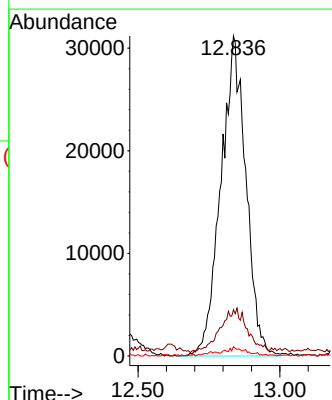
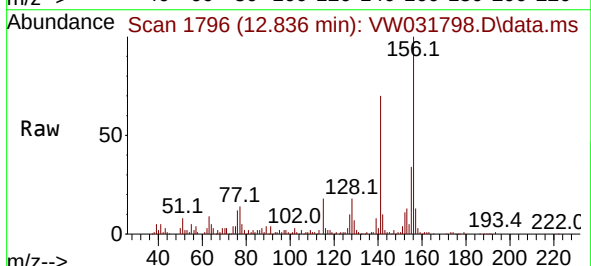
Tgt Ion:156 Resp: 191067

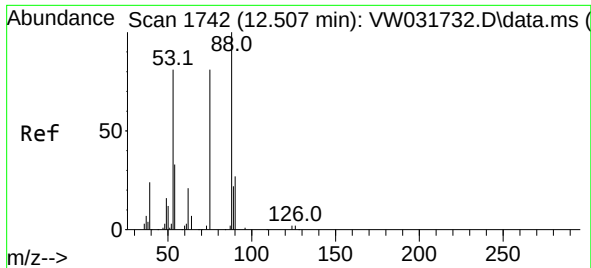
Ion Ratio Lower Upper

156 100

77 14.9 117.9 353.7#

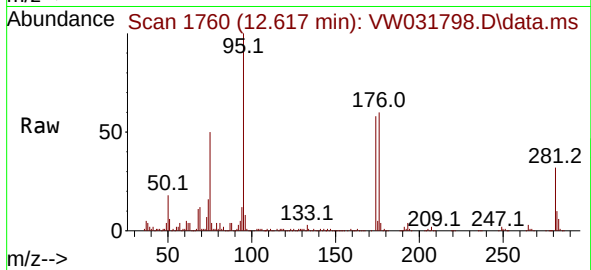
158 1.3 52.6 157.8#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 100.576 ug/l  
 RT: 12.617 min Scan# 11  
 Delta R.T. 0.110 min  
 Lab File: VW031798.D  
 Acq: 10 Jul 2025 13:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-98



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 83.5  | 125.3# |
| 89      | 0.1   | 38.3  | 57.5#  |

