

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111925\  
 Data File : VW032491.D  
 Acq On : 19 Nov 2025 10:36  
 Operator : SY/MD  
 Sample : VW1119SBL01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1119SBL01

Quant Time: Nov 20 01:15:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 11 03:48:21 2025  
 Response via : Initial Calibration

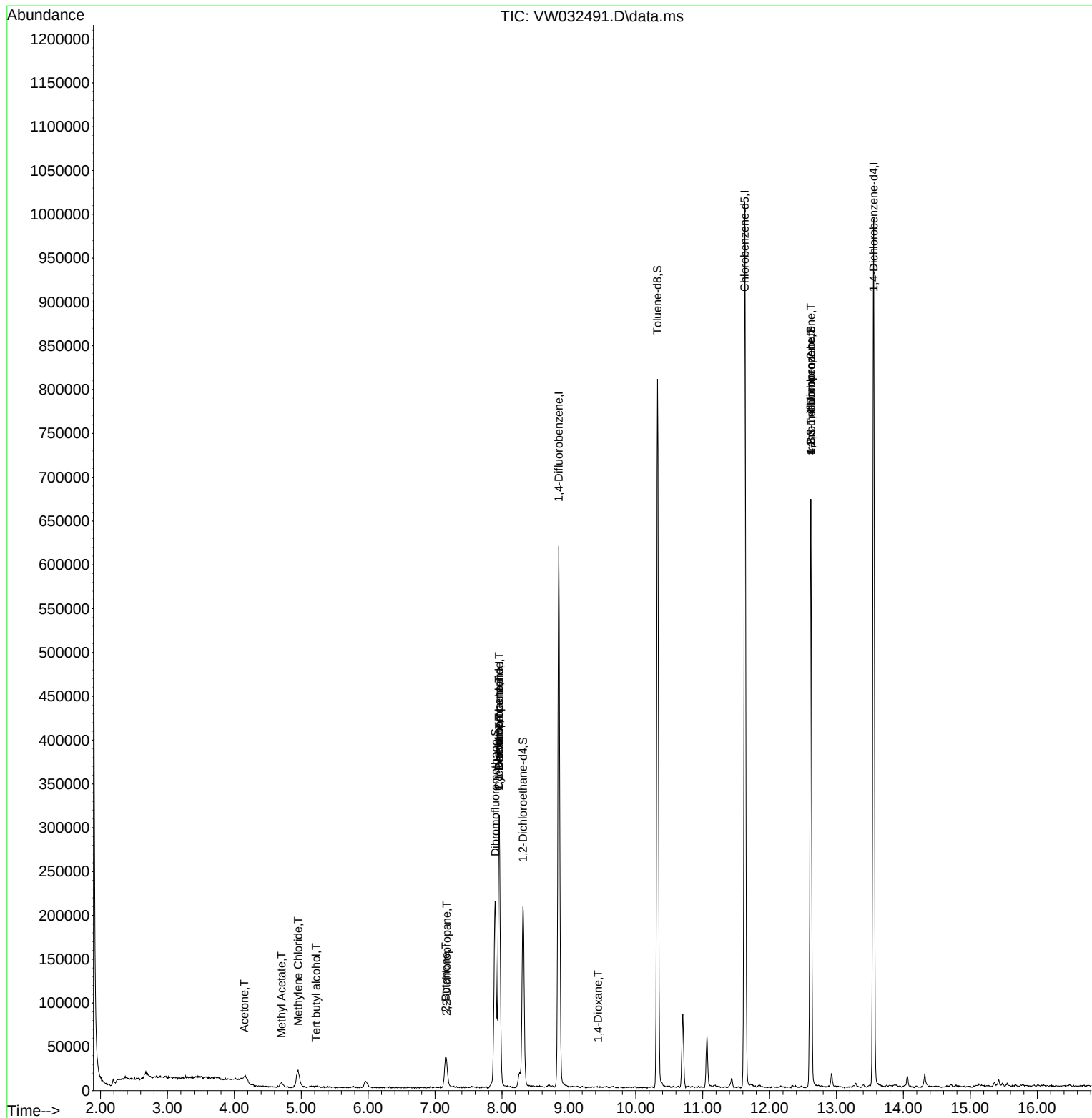
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 7.959          | 168  | 218109              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.849          | 114  | 508852              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.629         | 117  | 541801              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 260882              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.313          | 65   | 170243              | 60.543 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 63 - 155 |      | Recovery = 121.080% |        |        |          |
| 35) Dibromofluoromethane      | 7.898          | 113  | 157341              | 51.644 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 134 |      | Recovery = 103.280% |        |        |          |
| 50) Toluene-d8                | 10.325         | 98   | 531813              | 45.501 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 123 |      | Recovery = 91.000%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.617         | 95   | 240405              | 54.449 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 17 - 146 |      | Recovery = 108.900% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 11) Tert butyl alcohol        | 5.222          | 59   | 539                 | 2.217  | ug/l # | 65       |
| 16) Acetone                   | 4.149          | 43   | 6246                | 7.425  | ug/l   | 95       |
| 18) Methyl Acetate            | 4.704          | 43   | 10630               | 5.103  | ug/l   | 94       |
| 20) Methylene Chloride        | 4.954          | 84   | 16196               | 5.383  | ug/l   | 96       |
| 25) 2-Butanone                | 7.161          | 43   | 2570                | 2.074  | ug/l # | 68       |
| 26) 2,2-Dichloropropane       | 7.173          | 77   | 3078                | 1.098  | ug/l # | 51       |
| 31) Cyclohexane               | 7.953          | 56   | 6057                | 1.302  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.953          | 75   | 20054               | 4.467  | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.959          | 117  | 23206               | 5.818  | ug/l # | 16       |
| 49) 1,4-Dioxane               | 9.435          | 88   | 51                  | 1.731  | ug/l # | 31       |
| 76) 1,2,3-Trichloropropane    | 12.617         | 75   | 118584              | 33.151 | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.617         | 75   | 118584              | 75.930 | ug/l # | 11       |
| -----                         |                |      |                     |        |        |          |

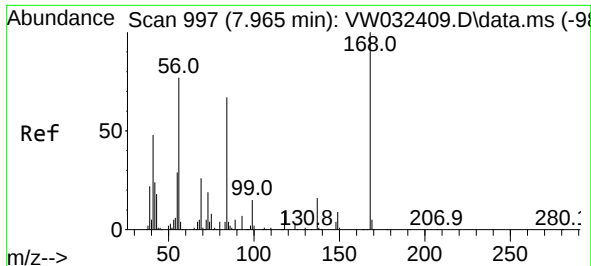
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111925\  
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Sample : VW1119SBL01  
Misc : 5.00g/5mL/MSVOA\_W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1119SBL01

Quant Time: Nov 20 01:15:08 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 11 03:48:21 2025  
Response via : Initial Calibration

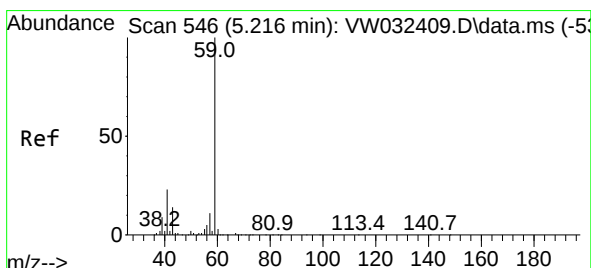
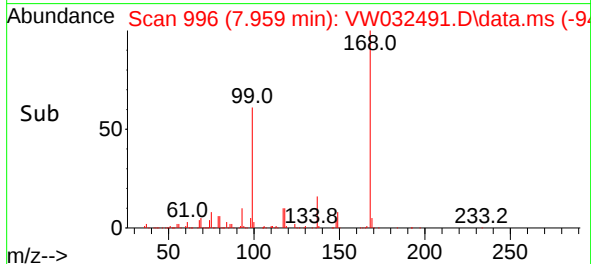
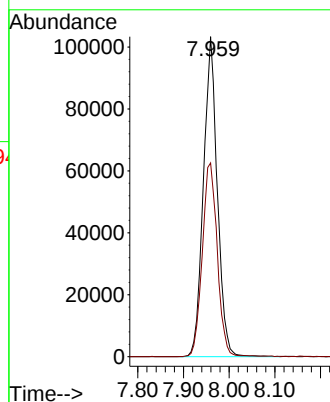
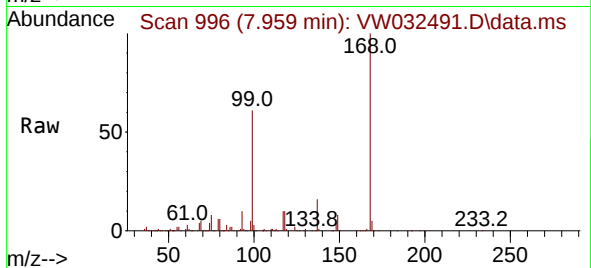




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

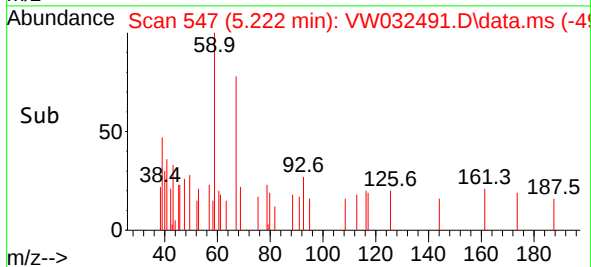
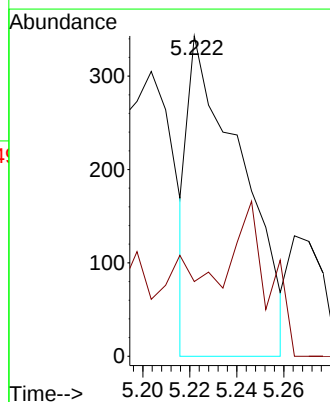
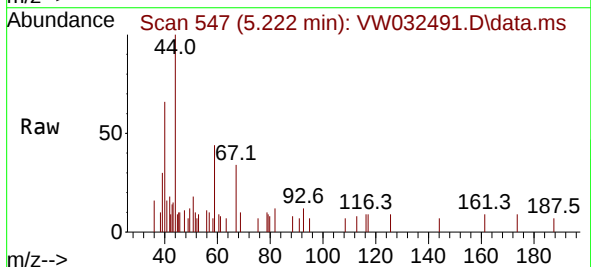
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1119SBL01

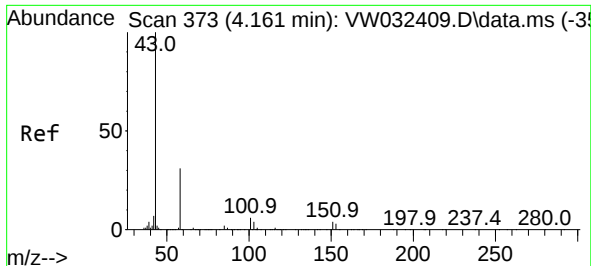
Tgt Ion:168 Resp: 218109  
Ion Ratio Lower Upper  
168 100  
99 60.5 45.4 68.2



#11  
Tert butyl alcohol  
Concen: 2.217 ug/l  
RT: 5.222 min Scan# 547  
Delta R.T. 0.006 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

Tgt Ion: 59 Resp: 539  
Ion Ratio Lower Upper  
59 100  
57 23.7 8.6 12.8#

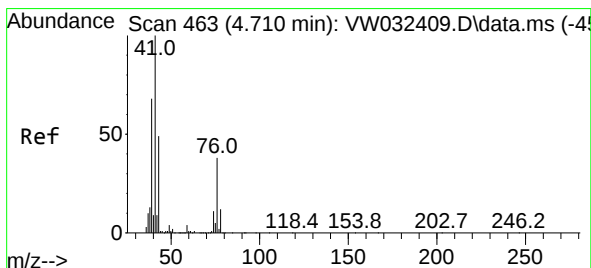
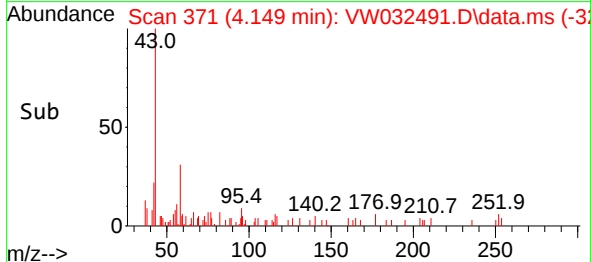
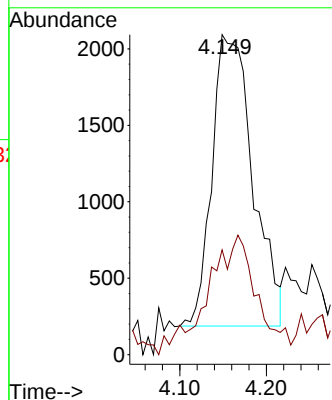
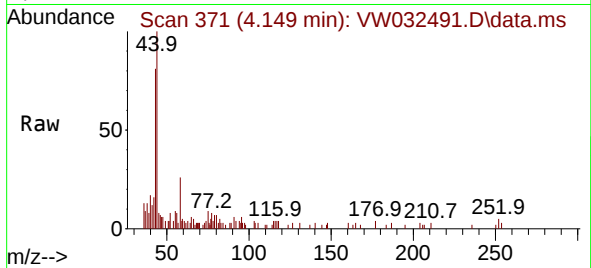




#16  
Acetone  
Concen: 7.425 ug/l  
RT: 4.149 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

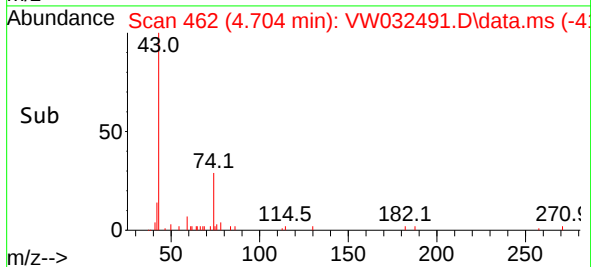
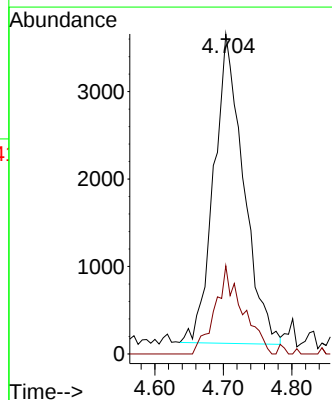
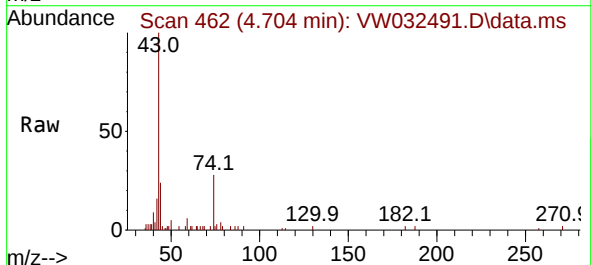
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1119SBL01

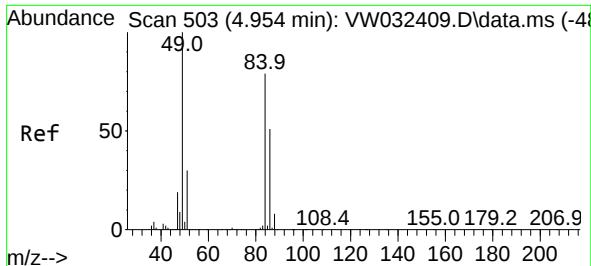
Tgt Ion: 43 Resp: 6246  
Ion Ratio Lower Upper  
43 100  
58 28.3 24.8 37.2



#18  
Methyl Acetate  
Concen: 5.103 ug/l  
RT: 4.704 min Scan# 462  
Delta R.T. -0.006 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

Tgt Ion: 43 Resp: 10630  
Ion Ratio Lower Upper  
43 100  
74 26.4 18.9 28.3

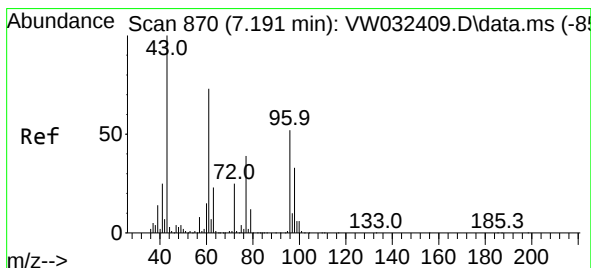
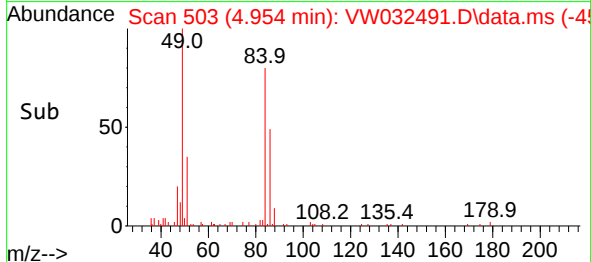
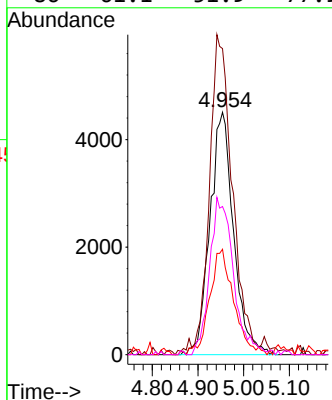
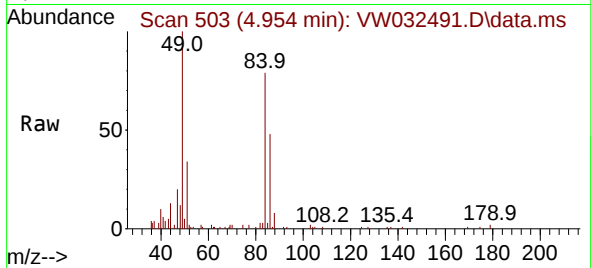




#20  
Methylene Chloride  
Concen: 5.383 ug/l  
RT: 4.954 min Scan# 503  
Delta R.T. 0.000 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

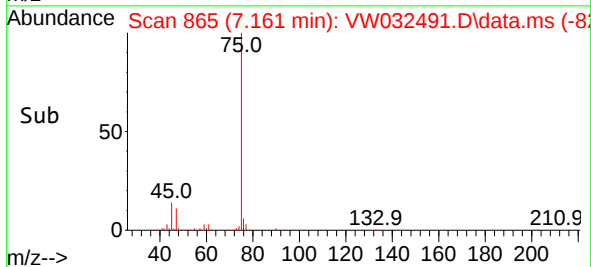
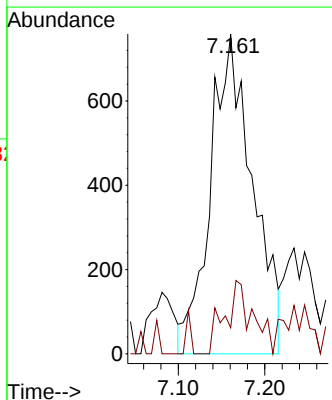
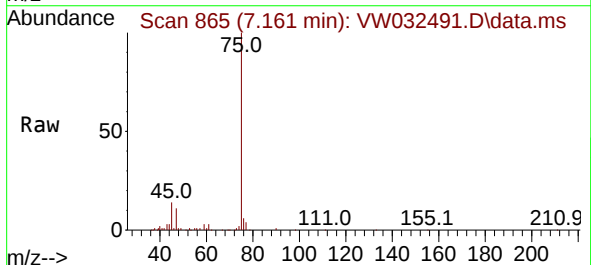
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1119SBL01

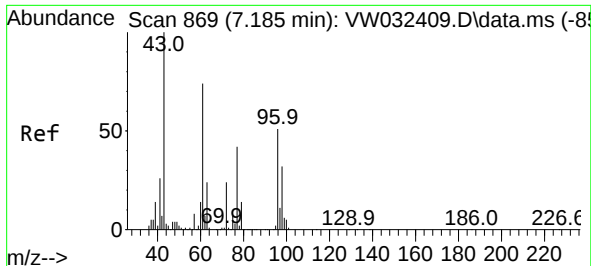
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 16196 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 124.6 | 101.5 | 152.3 |
| 51       | 43.5  | 30.6  | 46.0  |
| 86       | 61.1  | 51.9  | 77.9  |



#25  
2-Butanone  
Concen: 2.074 ug/l  
RT: 7.161 min Scan# 865  
Delta R.T. -0.030 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2570  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 9.0   | 20.0  | 30.0  |

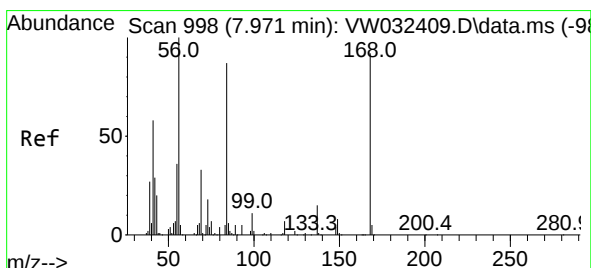
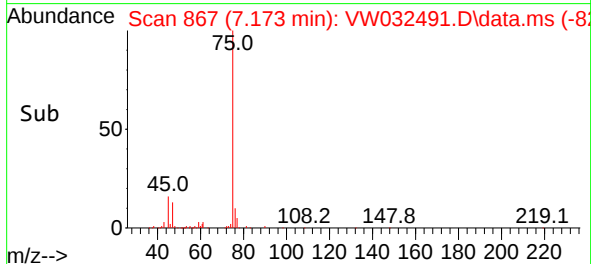
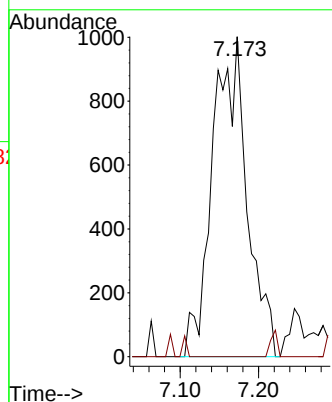
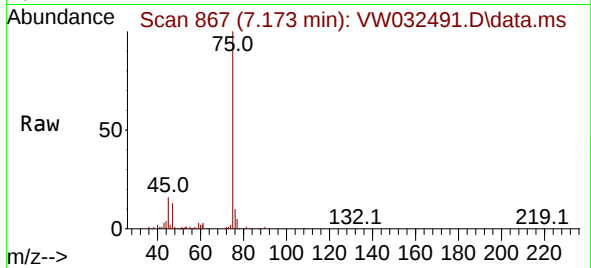




#26  
2,2-Dichloropropane  
Concen: 1.098 ug/l  
RT: 7.173 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

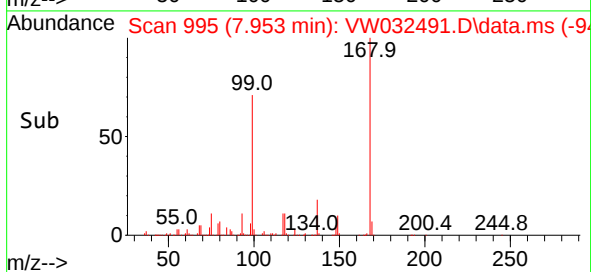
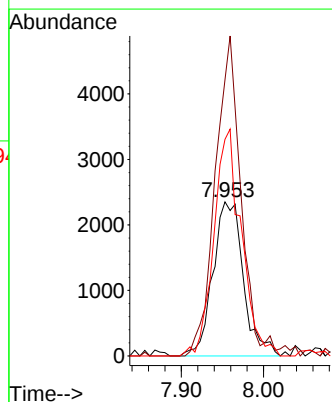
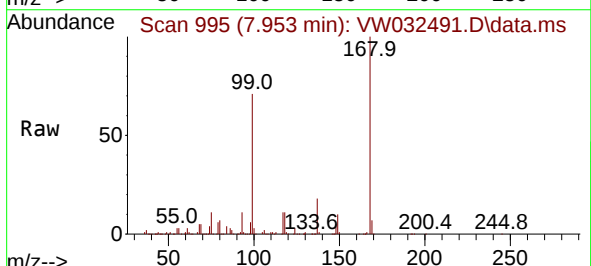
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1119SBL01

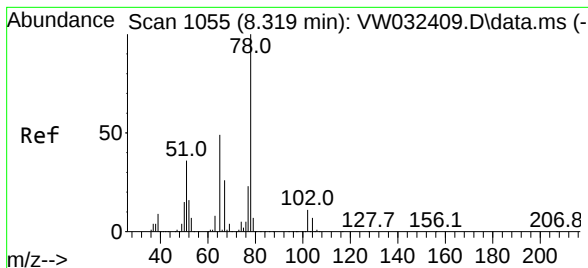
Tgt Ion: 77 Resp: 3078  
Ion Ratio Lower Upper  
77 100  
97 0.0 12.3 36.8#



#31  
Cyclohexane  
Concen: 1.302 ug/l  
RT: 7.953 min Scan# 995  
Delta R.T. -0.018 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

Tgt Ion: 56 Resp: 6057  
Ion Ratio Lower Upper  
56 100  
69 179.2 26.5 39.7#  
84 140.6 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 60.543 ug/l

RT: 8.313 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW032491.D

Acq: 19 Nov 2025 10:36

Instrument :

MSVOA\_W

ClientSampleId :

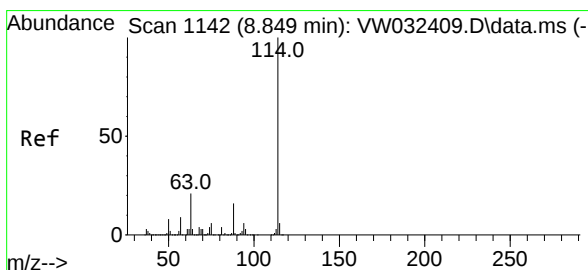
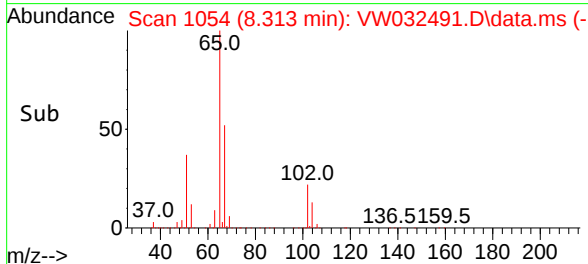
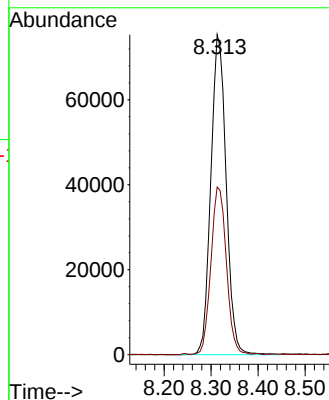
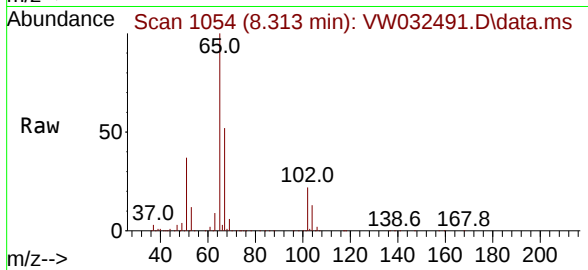
VW1119SBL01

Tgt Ion: 65 Resp: 170243

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032491.D

Acq: 19 Nov 2025 10:36

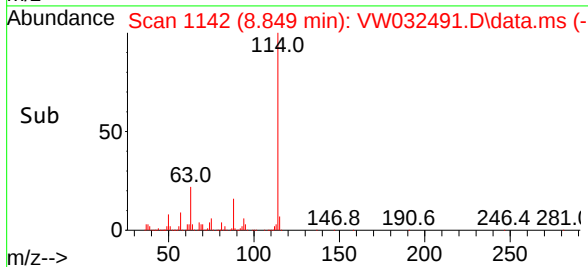
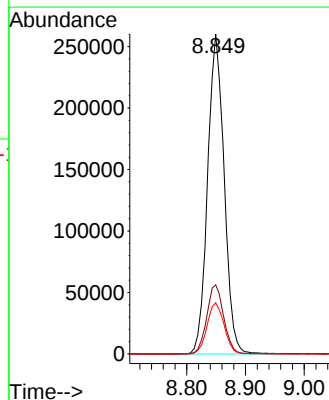
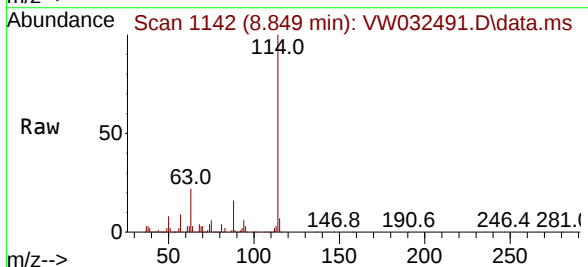
Tgt Ion: 114 Resp: 508852

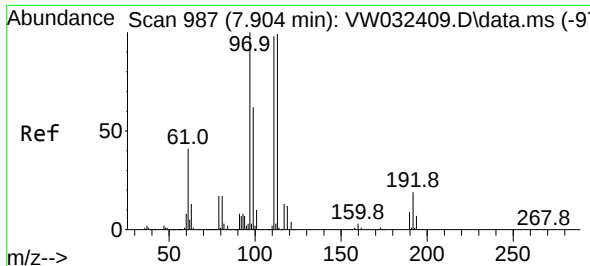
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 16.0 0.0 32.6

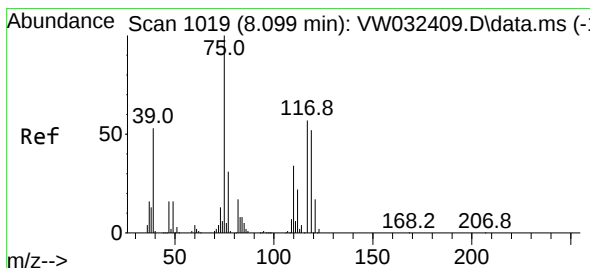
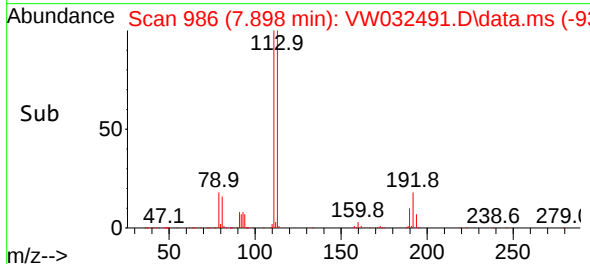
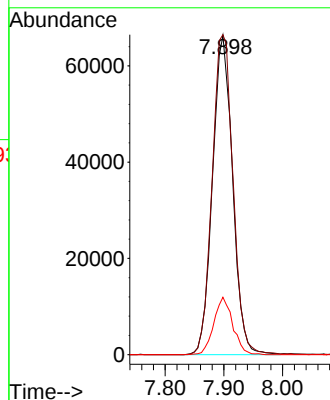
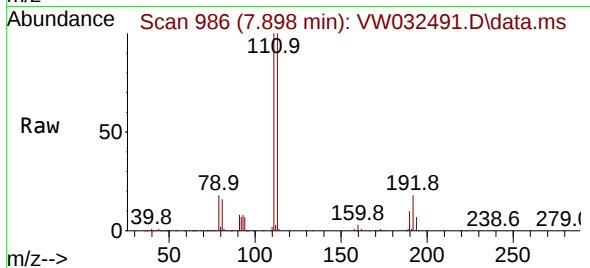




#35  
Dibromofluoromethane  
Concen: 51.644 ug/l  
RT: 7.898 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

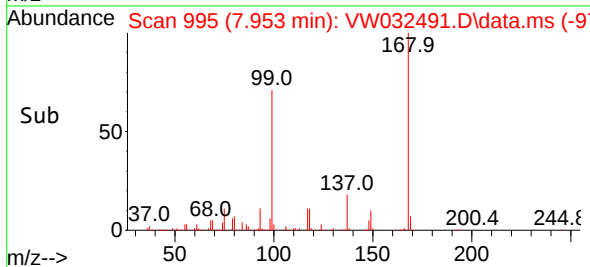
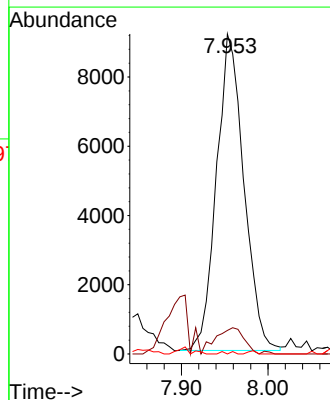
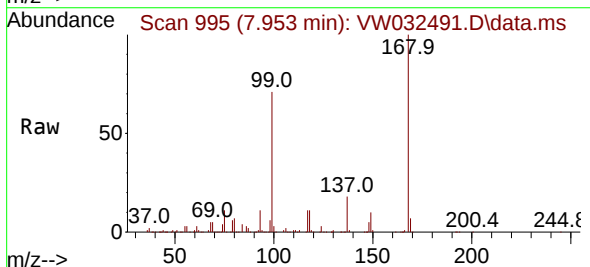
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1119SBL01

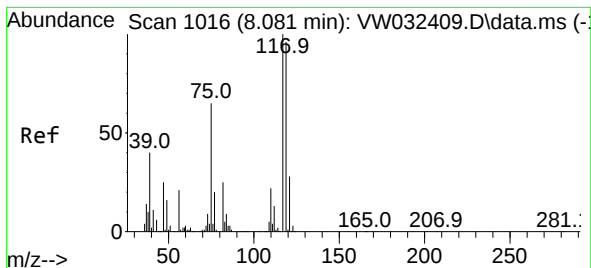
Tgt Ion:113 Resp: 157341  
Ion Ratio Lower Upper  
113 100  
111 104.2 83.1 124.7  
192 17.1 13.4 20.2



#36  
1,1-Dichloropropene  
Concen: 4.467 ug/l  
RT: 7.953 min Scan# 995  
Delta R.T. -0.146 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

Tgt Ion: 75 Resp: 20054  
Ion Ratio Lower Upper  
75 100  
110 7.5 17.2 51.5#  
77 0.3 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.818 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032491.D

Acq: 19 Nov 2025 10:36

Instrument :

MSVOA\_W

ClientSampleId :

VW1119SBL01

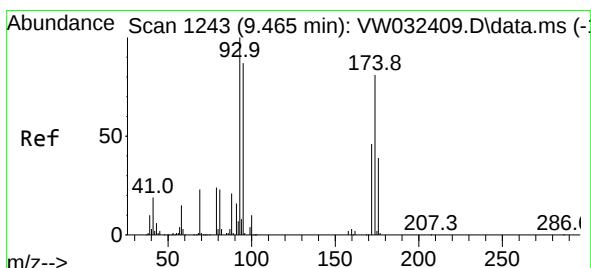
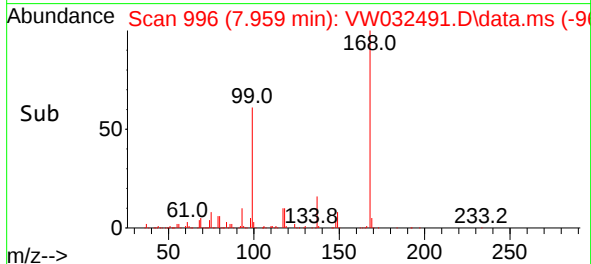
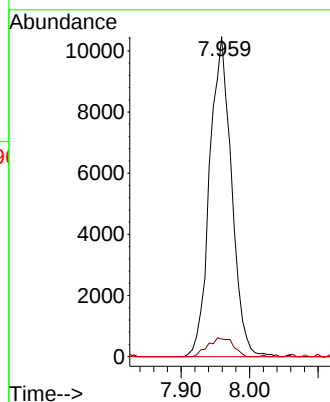
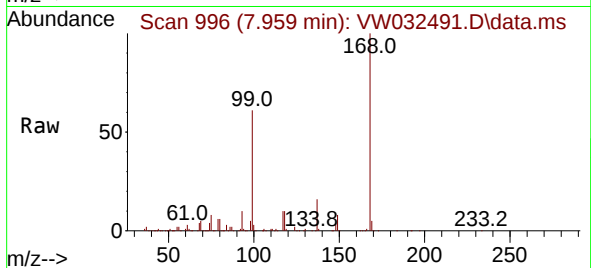
Tgt Ion:117 Resp: 23206

Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.4#

121 0.0 22.0 33.0#



#49

1,4-Dioxane

Concen: 1.731 ug/l

RT: 9.435 min Scan# 1238

Delta R.T. -0.030 min

Lab File: VW032491.D

Acq: 19 Nov 2025 10:36

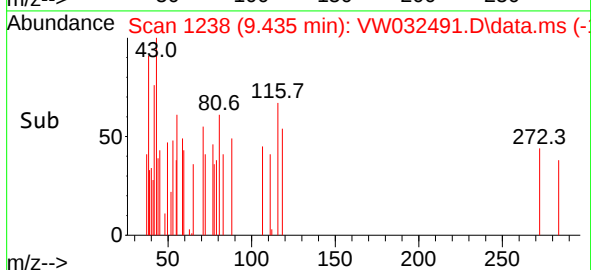
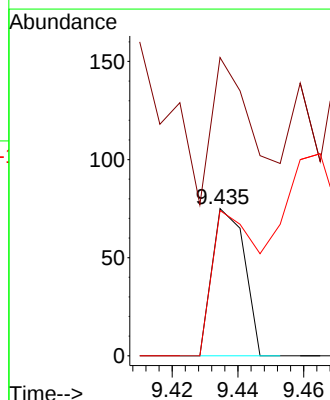
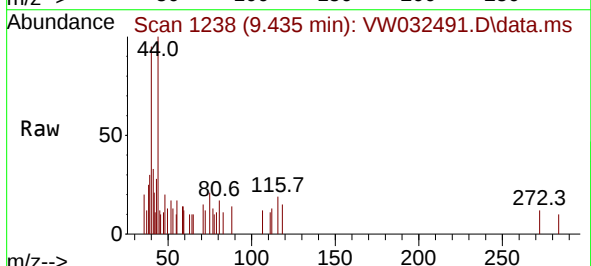
Tgt Ion: 88 Resp: 51

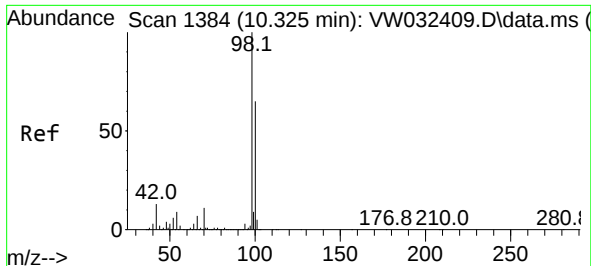
Ion Ratio Lower Upper

88 100

43 270.6 0.0 0.0#

58 139.2 63.0 94.4#

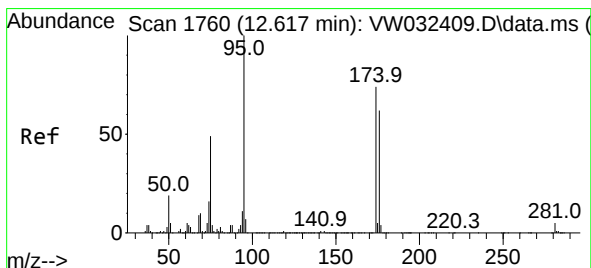
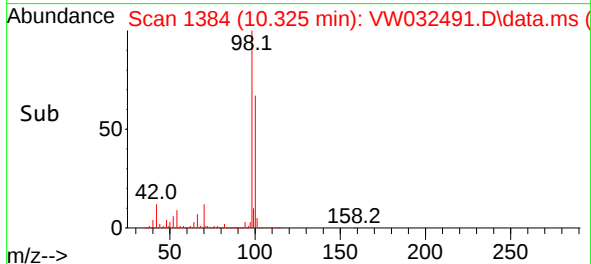
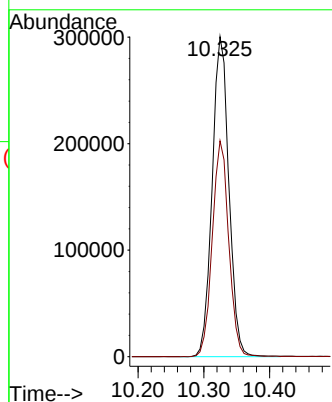
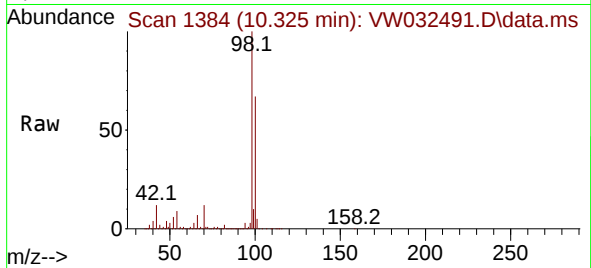




#50  
Toluene-d8  
Concen: 45.501 ug/l  
RT: 10.325 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

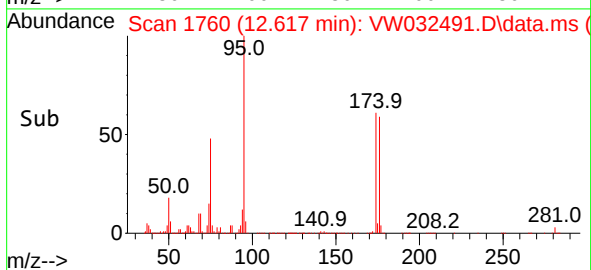
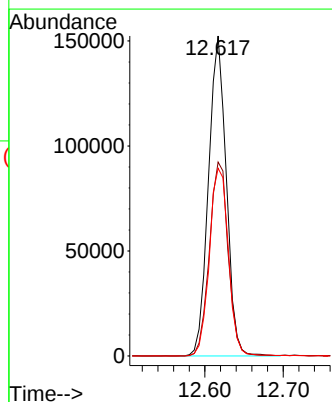
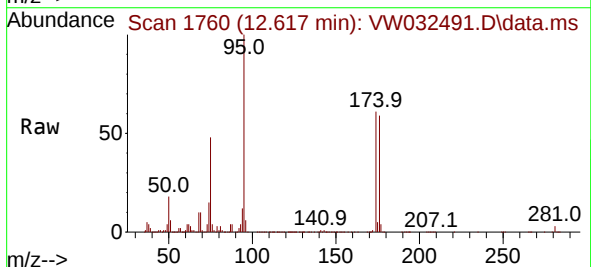
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1119SBL01

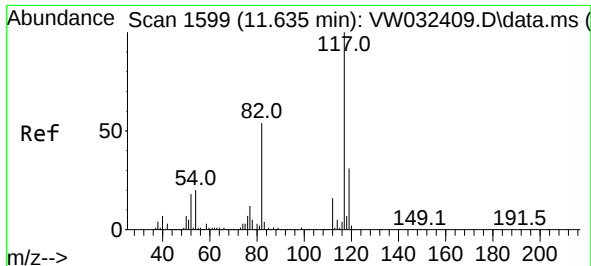
Tgt Ion: 98 Resp: 531813  
Ion Ratio Lower Upper  
98 100  
100 66.5 53.3 79.9



#62  
4-Bromofluorobenzene  
Concen: 54.449 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

Tgt Ion: 95 Resp: 240405  
Ion Ratio Lower Upper  
95 100  
174 64.1 0.0 135.4  
176 62.7 0.0 131.8

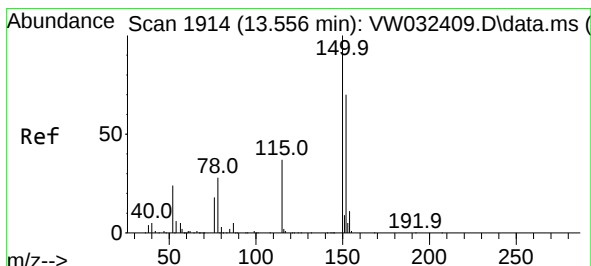
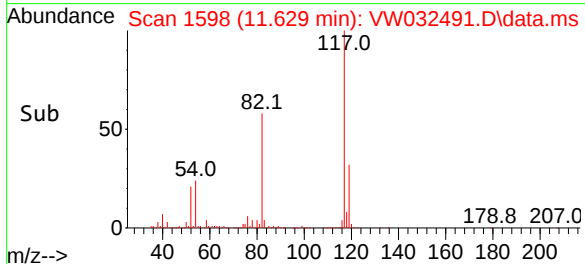
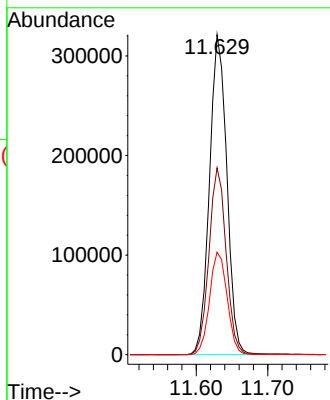
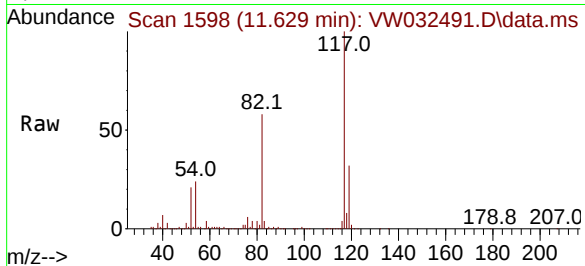




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

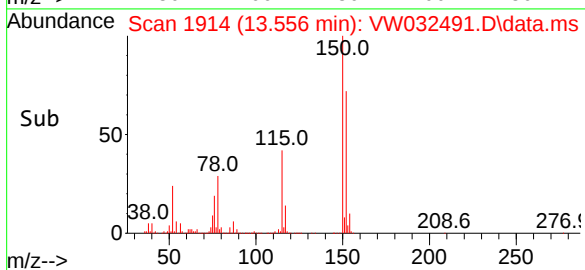
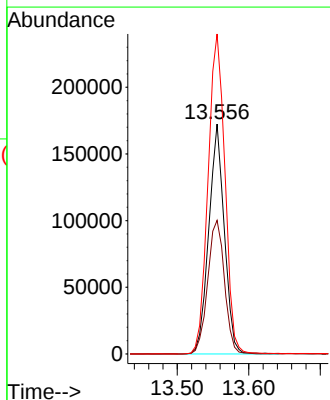
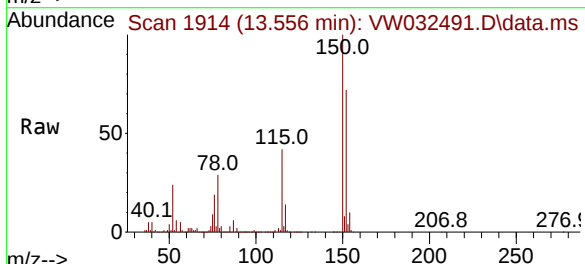
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1119SBL01

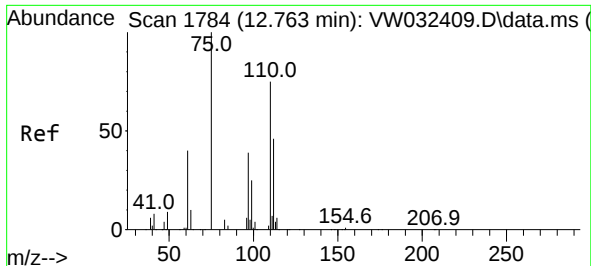
Tgt Ion:117 Resp: 541801  
Ion Ratio Lower Upper  
117 100  
82 58.4 43.0 64.4  
119 32.0 25.0 37.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

Tgt Ion:152 Resp: 260882  
Ion Ratio Lower Upper  
152 100  
115 62.6 32.8 98.3  
150 150.5 0.0 356.6

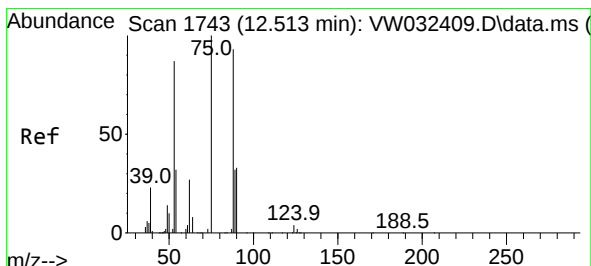
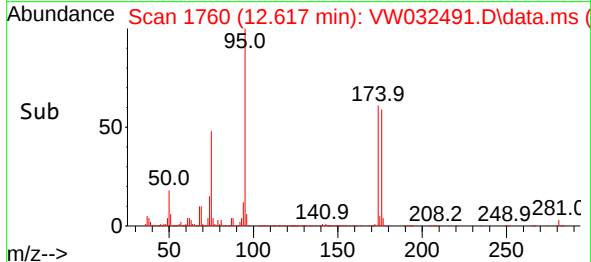
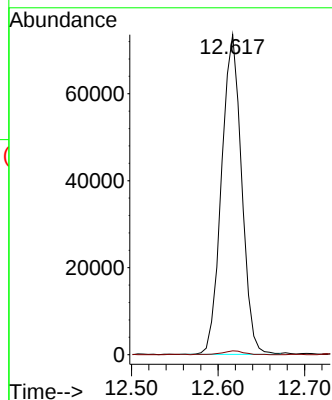
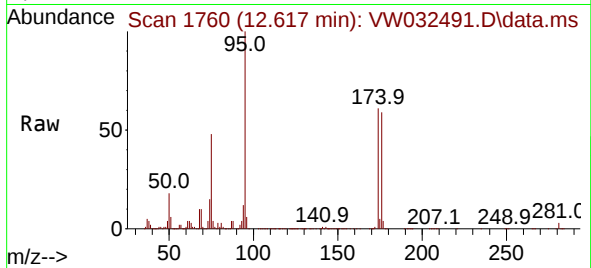




#76  
1,2,3-Trichloropropane  
Concen: 33.151 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.146 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1119SBL01

Tgt Ion: 75 Resp: 118584  
Ion Ratio Lower Upper  
75 100  
77 1.3 151.6 454.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.930 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.104 min  
Lab File: VW032491.D  
Acq: 19 Nov 2025 10:36

Tgt Ion: 75 Resp: 118584  
Ion Ratio Lower Upper  
75 100  
53 0.1 77.8 116.8#  
89 0.1 35.6 53.4#

