

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100625\  
 Data File : VW032353.D  
 Acq On : 06 Oct 2025 12:37  
 Operator : SY/MD  
 Sample : VW1006SBL01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 07 03:42:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W100125S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 02 21:24:16 2025  
 Response via : Initial Calibration

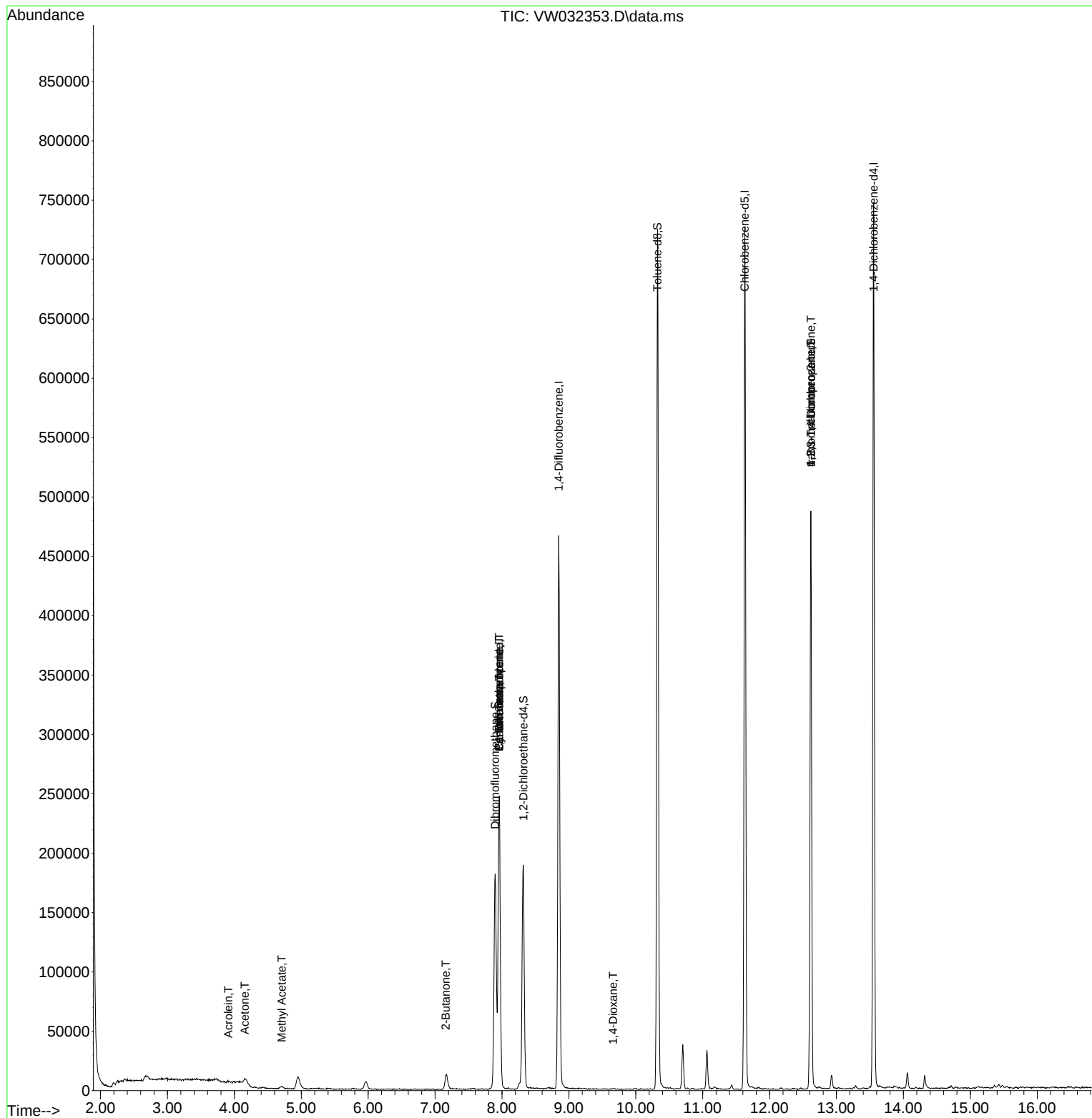
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.959  | 168            | 168139   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.849  | 114            | 378247   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.629 | 117            | 382025   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.556 | 152            | 188486   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.319  | 65             | 158534   | 64.644     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 63 - 155 | Recovery | = 129.280% |        |          |
| 35) Dibromofluoromethane      | 7.898  | 113            | 137927   | 56.307     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 70 - 134 | Recovery | = 112.620% |        |          |
| 50) Toluene-d8                | 10.325 | 98             | 472361   | 52.248     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 74 - 123 | Recovery | = 104.500% |        |          |
| 62) 4-Bromofluorobenzene      | 12.617 | 95             | 169464   | 49.592     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 17 - 146 | Recovery | = 99.180%  |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            | Qvalue |          |
| 13) Acrolein                  | 3.911  | 56             | 478      | 1.587      | ug/l # | 35       |
| 16) Acetone                   | 4.155  | 43             | 5208     | 7.669      | ug/l   | 96       |
| 18) Methyl Acetate            | 4.710  | 43             | 3298     | 1.695      | ug/l # | 88       |
| 20) Methylene Chloride        | 4.954  | 84             | 9045     | Below Cal  | #      | 95       |
| 25) 2-Butanone                | 7.161  | 43             | 1101     | 1.190      | ug/l # | 48       |
| 31) Cyclohexane               | 7.959  | 56             | 4551     | 1.318      | ug/l # | 31       |
| 36) 1,1-Dichloropropene       | 7.959  | 75             | 15525    | 4.491      | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.959  | 117            | 18519    | 5.693      | ug/l # | 19       |
| 49) 1,4-Dioxane               | 9.660  | 88             | 37       | 1.628      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.617 | 75             | 87255    | 35.178     | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.617 | 75             | 87255    | 89.116     | ug/l # | 5        |
| -----                         |        |                |          |            |        |          |

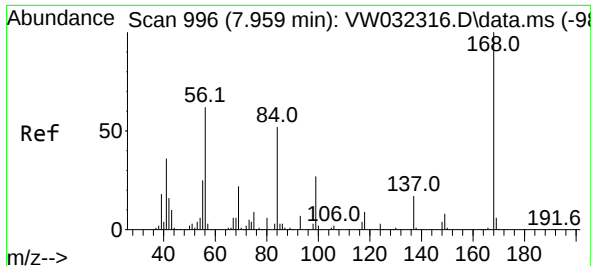
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :

Quant Time: Oct 07 03:42:29 2025  
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Quant Title : SW846 8260  
QLast Update : Thu Oct 02 21:24:16 2025  
Response via : Initial Calibration

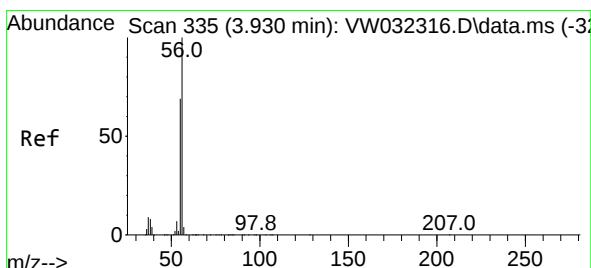
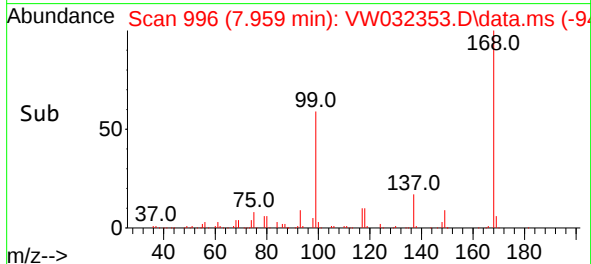
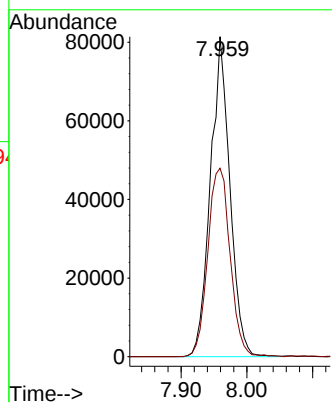
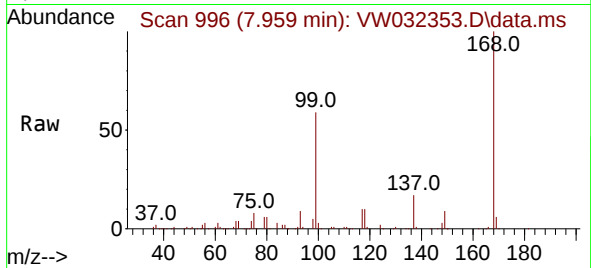




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VW032353.D  
Acq: 06 Oct 2025 12:37

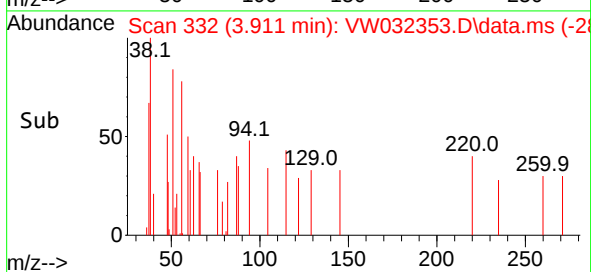
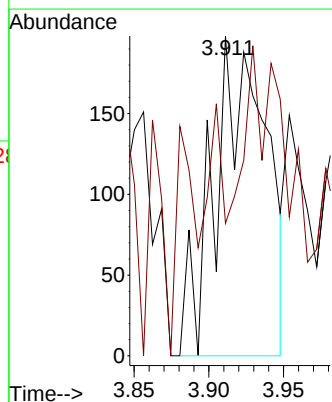
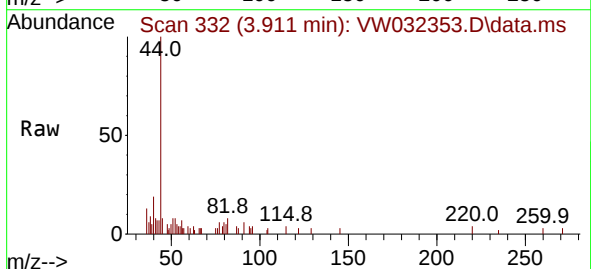
Instrument :  
MSVOA\_W  
ClientSampleId :

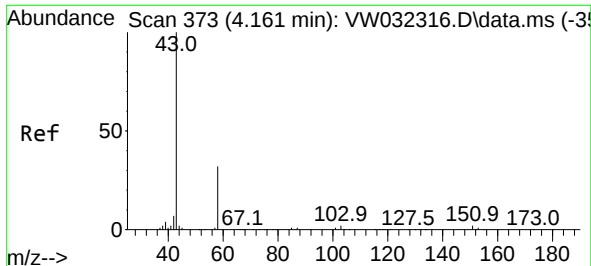
Tgt Ion:168 Resp: 168139  
Ion Ratio Lower Upper  
168 100  
99 58.8 49.3 73.9



#13  
Acrolein  
Concen: 1.587 ug/l  
RT: 3.911 min Scan# 332  
Delta R.T. -0.018 min  
Lab File: VW032353.D  
Acq: 06 Oct 2025 12:37

Tgt Ion: 56 Resp: 478  
Ion Ratio Lower Upper  
56 100  
55 17.4 56.4 84.6#

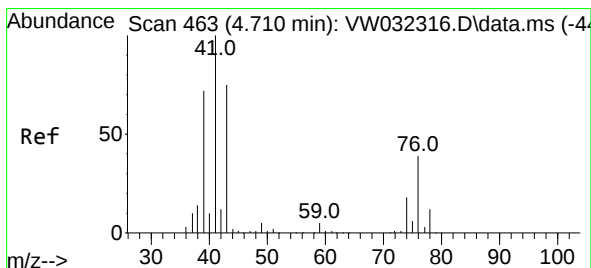
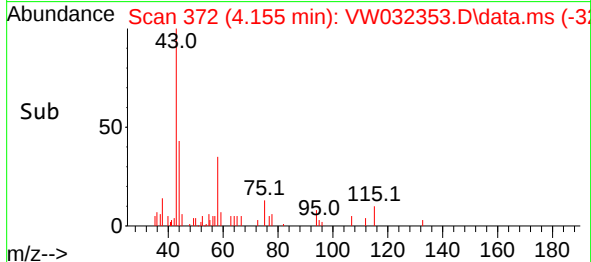
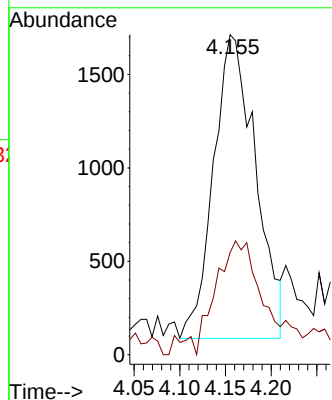
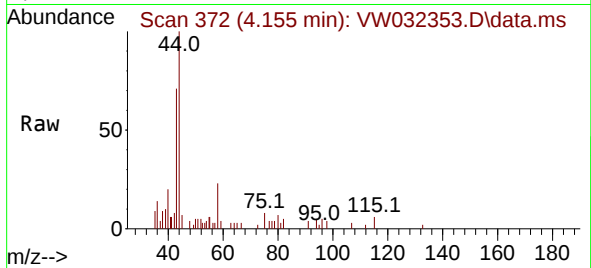




#16  
Acetone  
Concen: 7.669 ug/l  
RT: 4.155 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VW032353.D  
Acq: 06 Oct 2025 12:37

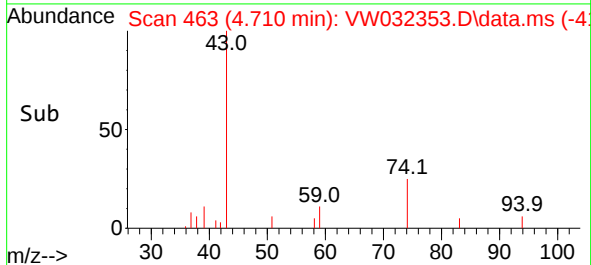
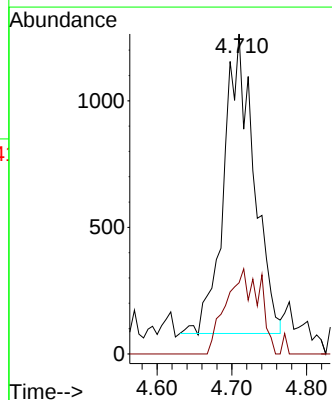
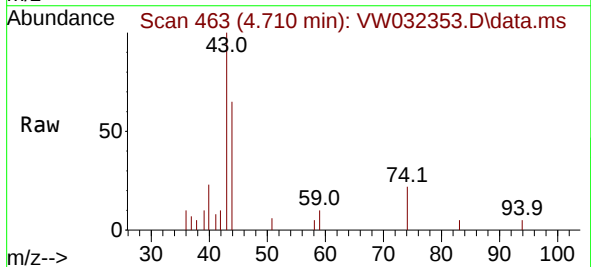
Instrument :  
MSVOA\_W  
ClientSampleId :

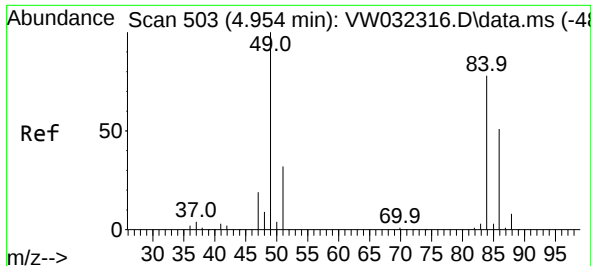
Tgt Ion: 43 Resp: 5208  
Ion Ratio Lower Upper  
43 100  
58 29.6 25.3 37.9



#18  
Methyl Acetate  
Concen: 1.695 ug/l  
RT: 4.710 min Scan# 463  
Delta R.T. -0.000 min  
Lab File: VW032353.D  
Acq: 06 Oct 2025 12:37

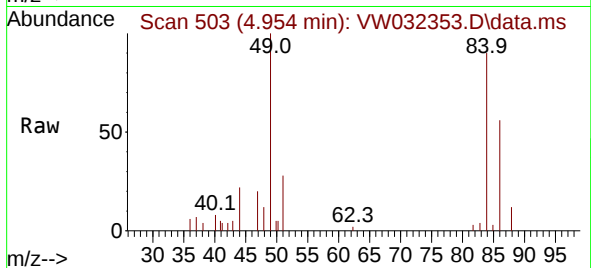
Tgt Ion: 43 Resp: 3298  
Ion Ratio Lower Upper  
43 100  
74 31.6 20.2 30.4#



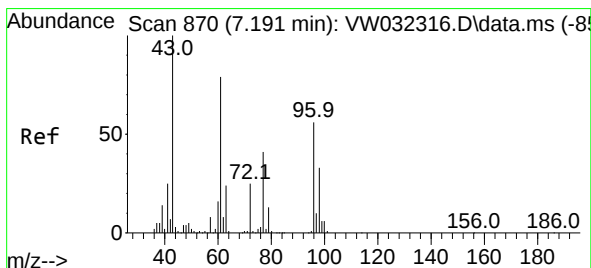
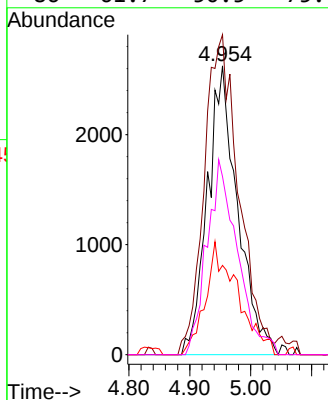
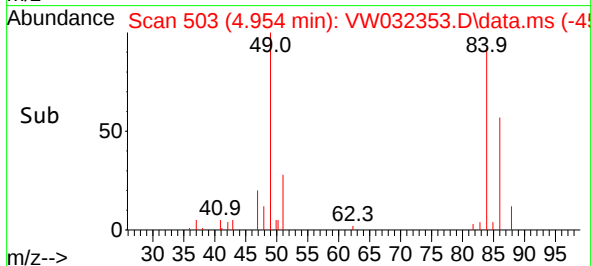


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.954 min Scan# 503  
Delta R.T. -0.006 min  
Lab File: VW032353.D  
Acq: 06 Oct 2025 12:37

Instrument :  
MSVOA\_W  
ClientSampleId :

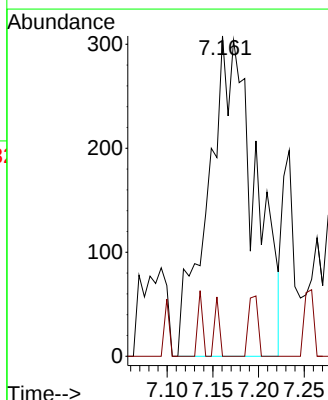
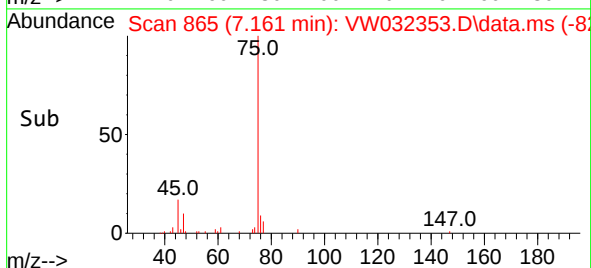
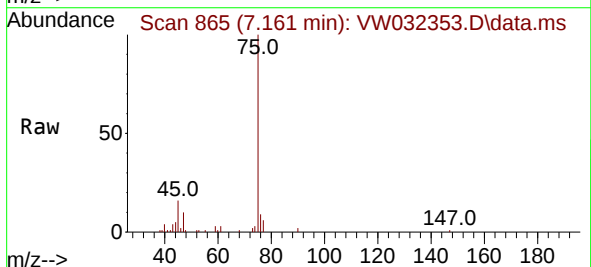


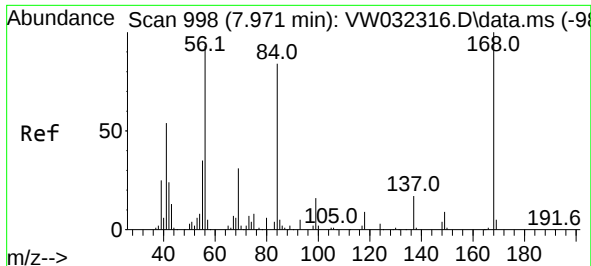
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 9045  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 110.8 | 92.2  | 138.4 |
| 51       | 30.9  | 31.0  | 46.6# |
| 86       | 61.7  | 50.5  | 75.7  |



#25  
2-Butanone  
Concen: 1.190 ug/l  
RT: 7.161 min Scan# 865  
Delta R.T. -0.031 min  
Lab File: VW032353.D  
Acq: 06 Oct 2025 12:37

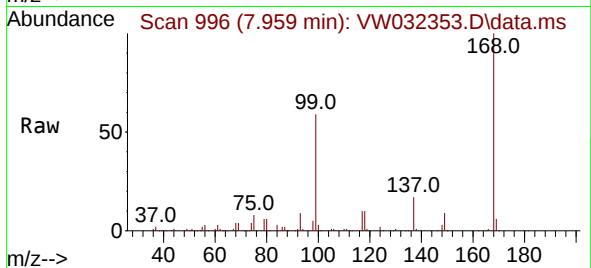
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1101  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 21.4  | 32.2# |



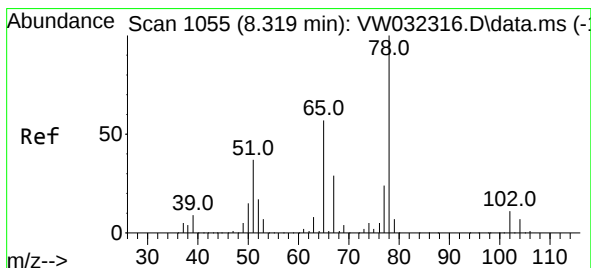
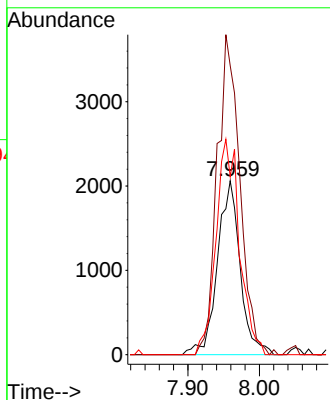
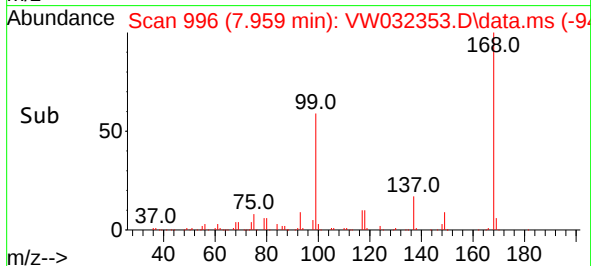


#31  
Cyclohexane  
Concen: 1.318 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.012 min  
Lab File: VW032353.D  
Acq: 06 Oct 2025 12:37

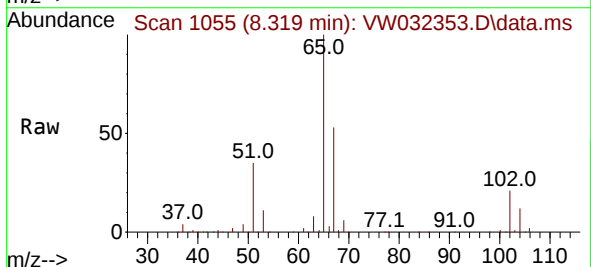
Instrument :  
MSVOA\_W  
ClientSampleId :



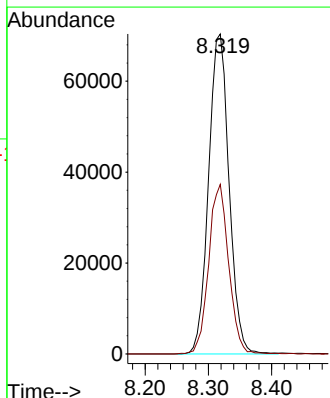
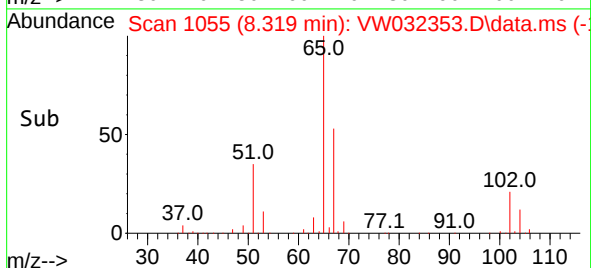
Tgt Ion: 56 Resp: 4551  
Ion Ratio Lower Upper  
56 100  
69 166.3 27.7 41.5#  
84 102.3 74.6 112.0

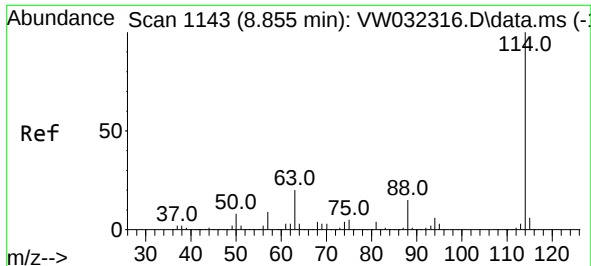


#33  
1,2-Dichloroethane-d4  
Concen: 64.644 ug/l  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VW032353.D  
Acq: 06 Oct 2025 12:37



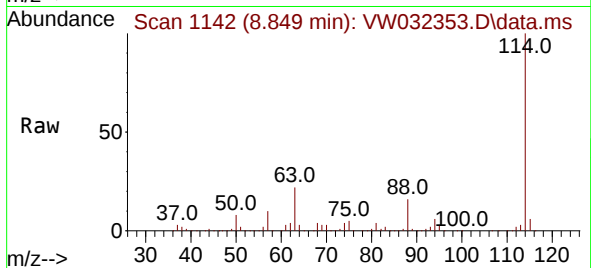
Tgt Ion: 65 Resp: 158534  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 99.6



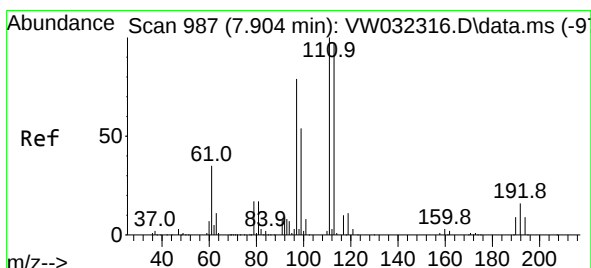
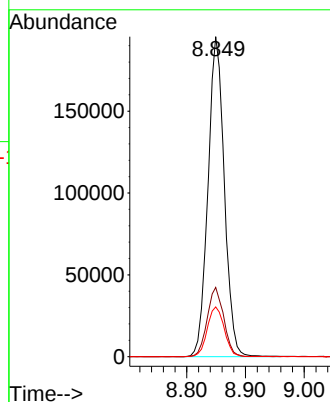
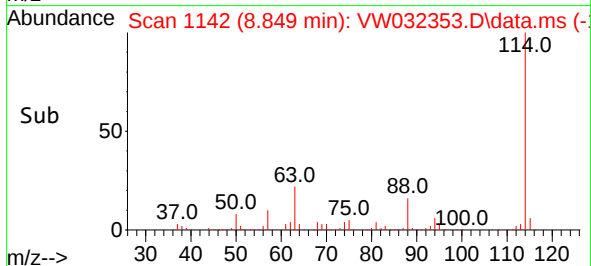


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.849 min Scan# 1142  
 Delta R.T. -0.006 min  
 Lab File: VW032353.D  
 Acq: 06 Oct 2025 12:37

Instrument :  
 MSVOA\_W  
 ClientSampleId :

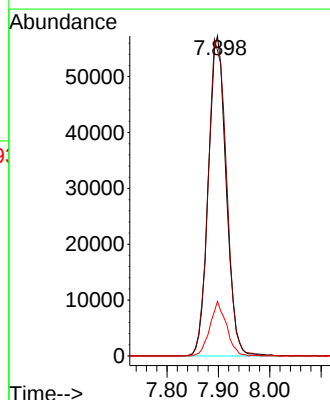
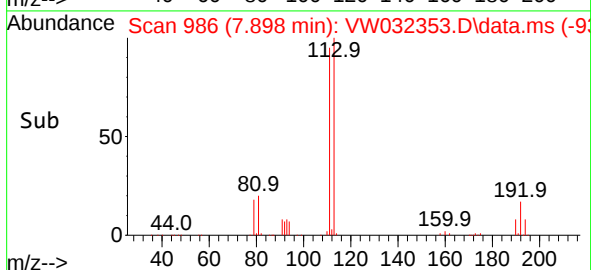
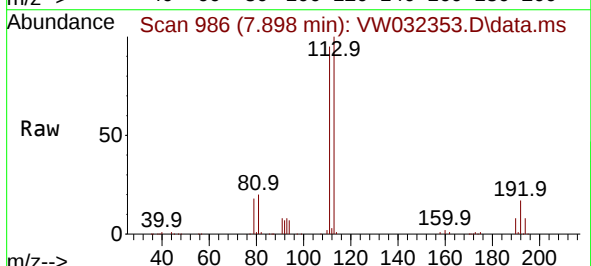


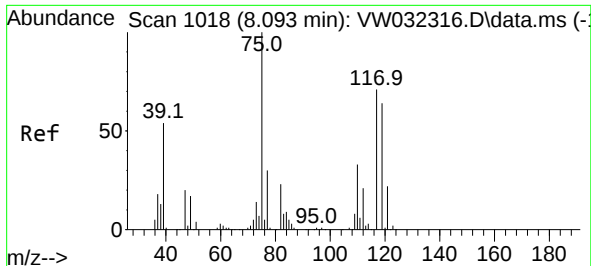
Tgt Ion:114 Resp: 378247  
 Ion Ratio Lower Upper  
 114 100  
 63 21.7 0.0 40.4  
 88 15.6 0.0 32.0



#35  
 Dibromofluoromethane  
 Concen: 56.307 ug/l  
 RT: 7.898 min Scan# 986  
 Delta R.T. -0.006 min  
 Lab File: VW032353.D  
 Acq: 06 Oct 2025 12:37

Tgt Ion:113 Resp: 137927  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 83.9 125.9  
 192 15.9 14.6 21.8

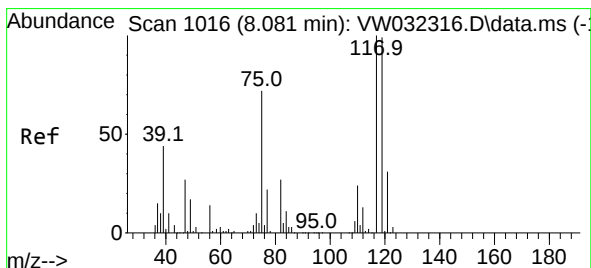
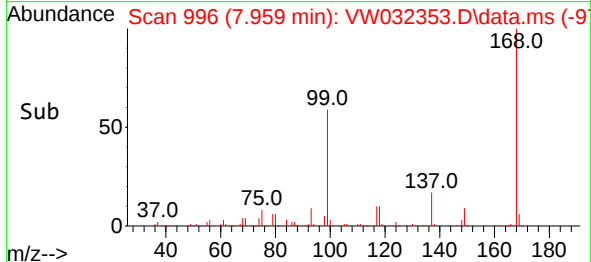
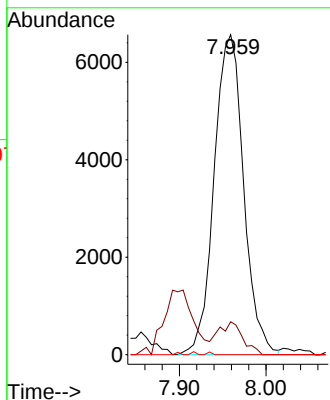
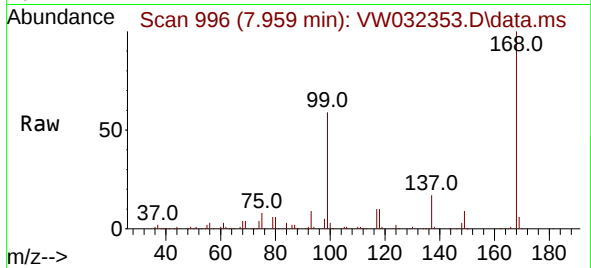




#36  
 1,1-Dichloropropene  
 Concen: 4.491 ug/l  
 RT: 7.959 min Scan# 996  
 Delta R.T. -0.140 min  
 Lab File: VW032353.D  
 Acq: 06 Oct 2025 12:37

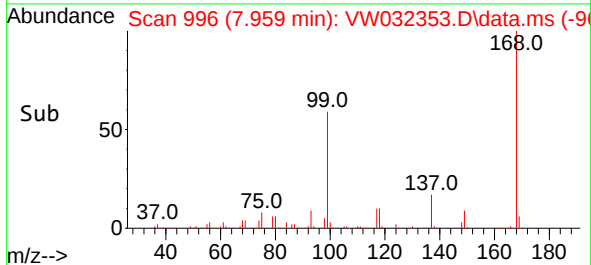
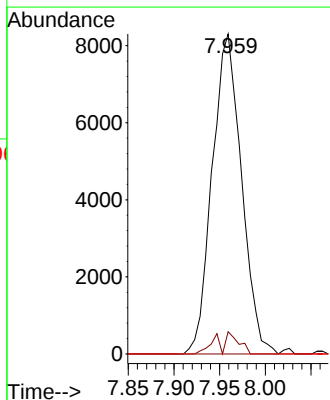
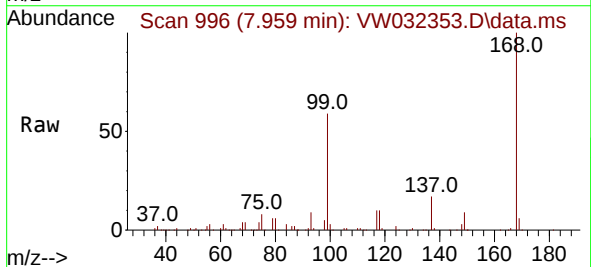
Instrument :  
 MSVOA\_W  
 ClientSampleId :

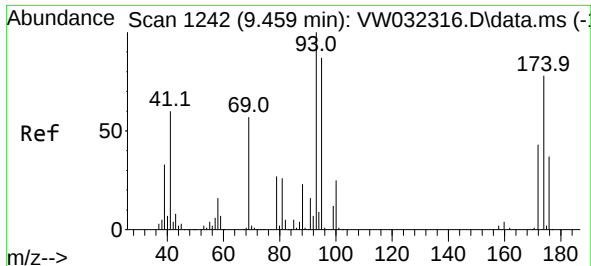
Tgt Ion: 75 Resp: 15525  
 Ion Ratio Lower Upper  
 75 100  
 110 8.6 17.5 52.5#  
 77 0.0 24.1 36.1#



#38  
 Carbon Tetrachloride  
 Concen: 5.693 ug/l  
 RT: 7.959 min Scan# 996  
 Delta R.T. -0.128 min  
 Lab File: VW032353.D  
 Acq: 06 Oct 2025 12:37

Tgt Ion: 117 Resp: 18519  
 Ion Ratio Lower Upper  
 117 100  
 119 7.0 74.2 111.2#  
 121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.628 ug/l

RT: 9.660 min Scan# 1275

Delta R.T. 0.201 min

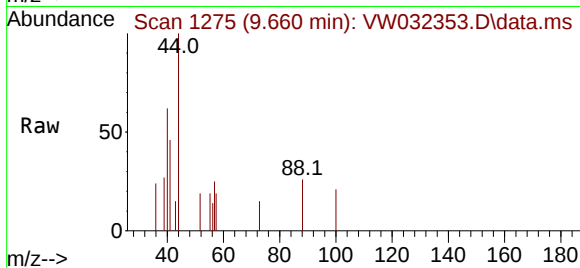
Lab File: VW032353.D

Acq: 06 Oct 2025 12:37

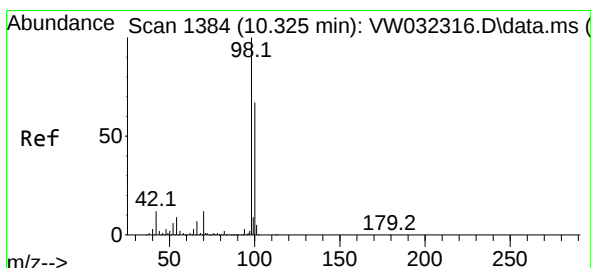
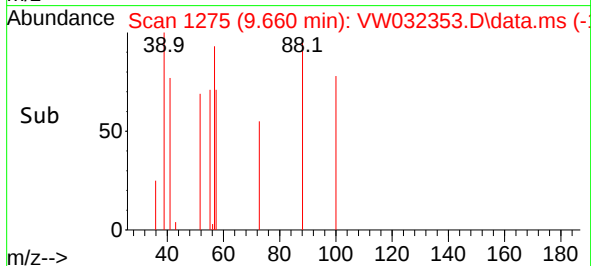
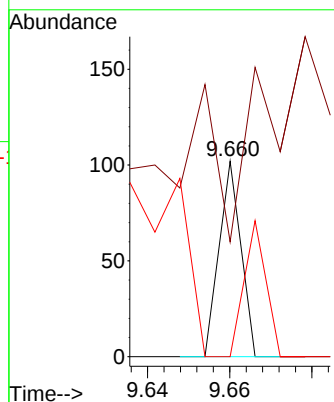
Instrument :

MSVOA\_W

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 37    |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 583.8 | 18.0  | 27.0# |
| 58       | 70.3  | 55.4  | 83.0  |



#50

Toluene-d8

Concen: 52.248 ug/l

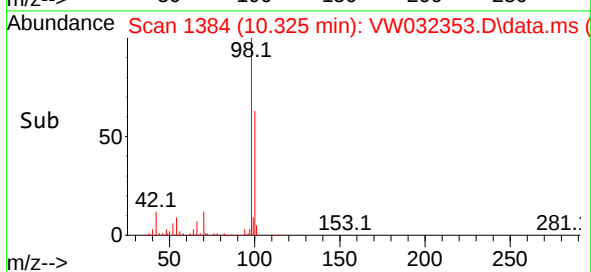
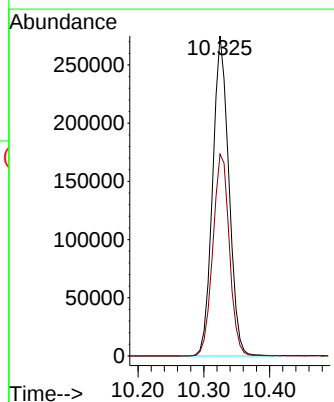
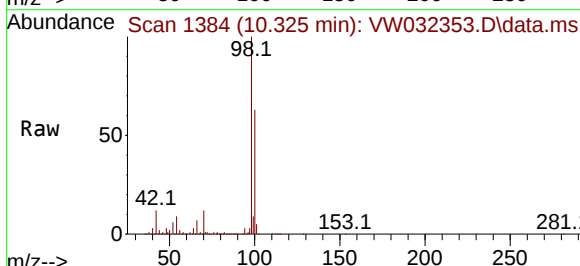
RT: 10.325 min Scan# 1384

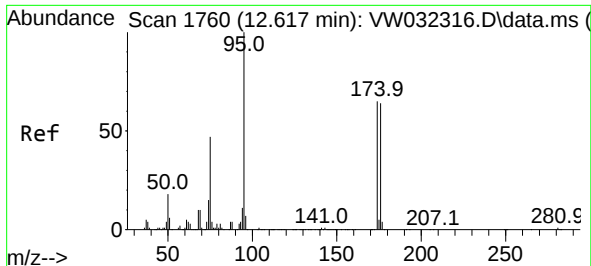
Delta R.T. -0.000 min

Lab File: VW032353.D

Acq: 06 Oct 2025 12:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 472361 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.3  | 51.4  | 77.2   |

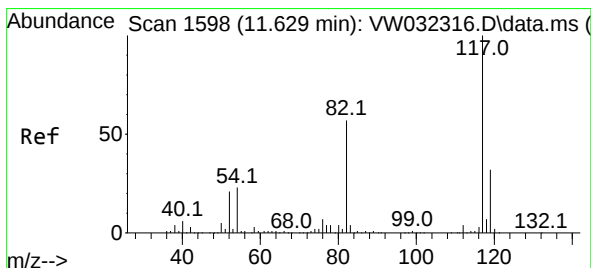
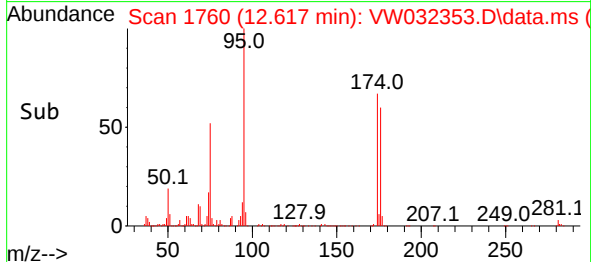
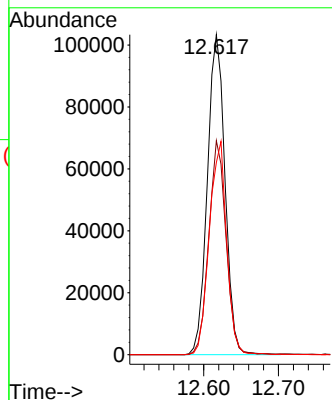
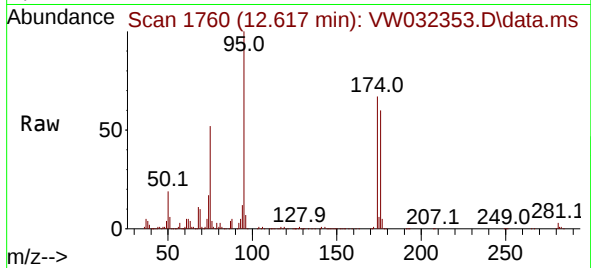




#62  
4-Bromofluorobenzene  
Concen: 49.592 ug/l  
RT: 12.617 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW032353.D  
Acq: 06 Oct 2025 12:37

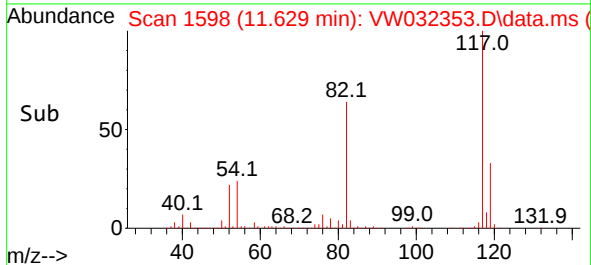
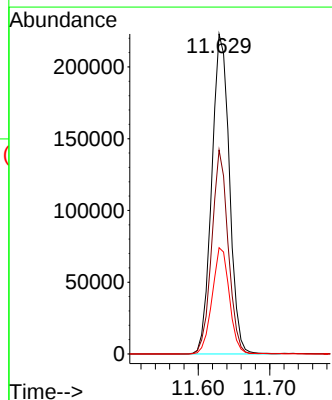
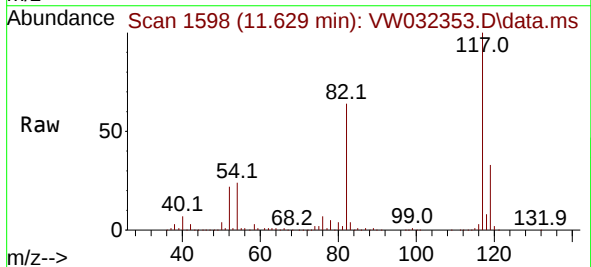
Instrument :  
MSVOA\_W  
ClientSampleId :

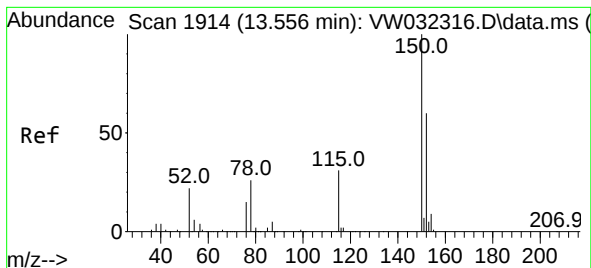
Tgt Ion: 95 Resp: 169464  
Ion Ratio Lower Upper  
95 100  
174 65.6 0.0 145.6  
176 65.6 0.0 140.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 1598  
Delta R.T. -0.000 min  
Lab File: VW032353.D  
Acq: 06 Oct 2025 12:37

Tgt Ion: 117 Resp: 382025  
Ion Ratio Lower Upper  
117 100  
82 63.7 42.7 64.1  
119 33.2 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

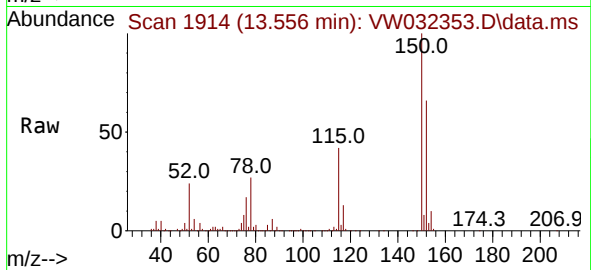
Lab File: VW032353.D

Acq: 06 Oct 2025 12:37

Instrument :

MSVOA\_W

ClientSampleId :



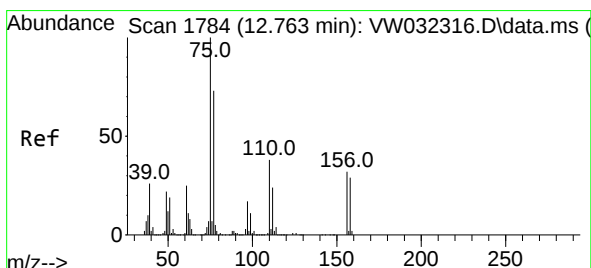
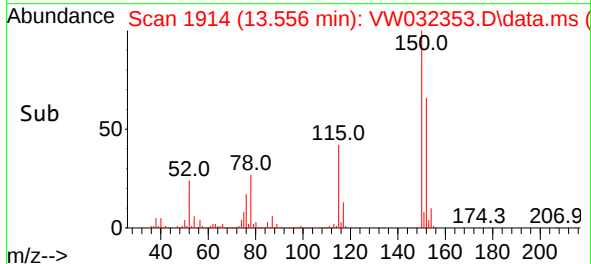
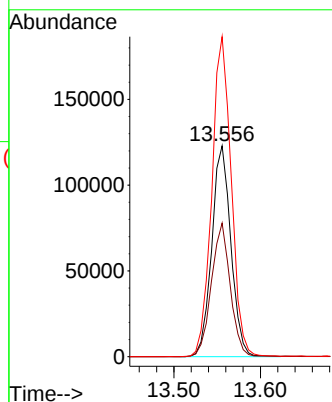
Tgt Ion:152 Resp: 188486

Ion Ratio Lower Upper

152 100

115 62.5 31.8 95.4

150 154.4 0.0 343.0



#76

1,2,3-Trichloropropane

Concen: 35.178 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032353.D

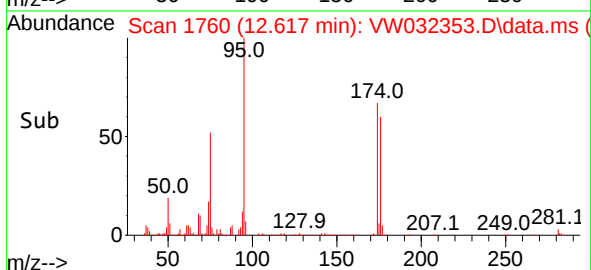
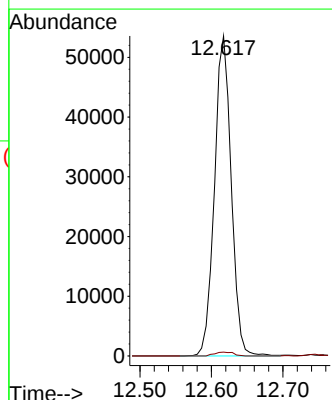
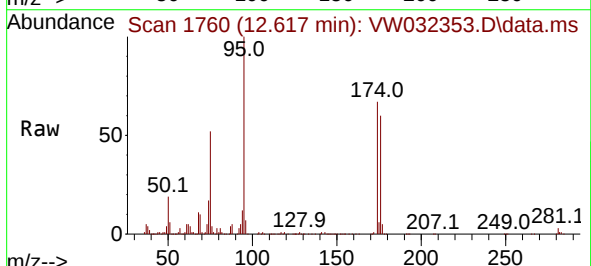
Acq: 06 Oct 2025 12:37

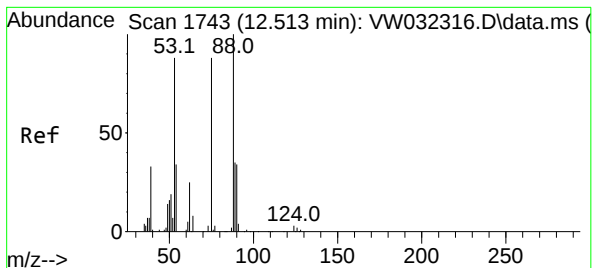
Tgt Ion: 75 Resp: 87255

Ion Ratio Lower Upper

75 100

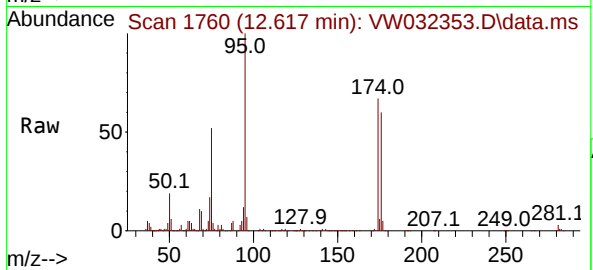
77 1.3 141.7 425.1#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 89.116 ug/l  
 RT: 12.617 min Scan# 11  
 Delta R.T. 0.103 min  
 Lab File: VW032353.D  
 Acq: 06 Oct 2025 12:37

Instrument :  
 MSVOA\_W  
 ClientSampleId :



Tgt Ion: 75 Resp: 87255  
 Ion Ratio Lower Upper  
 75 100  
 53 0.4 91.0 136.6#  
 89 0.1 39.4 59.2#

