

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100225\  
 Data File : VW032328.D  
 Acq On : 02 Oct 2025 13:35  
 Operator : SY/MD  
 Sample : Q3257-02  
 Misc : 11.59g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 02 21:37:34 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

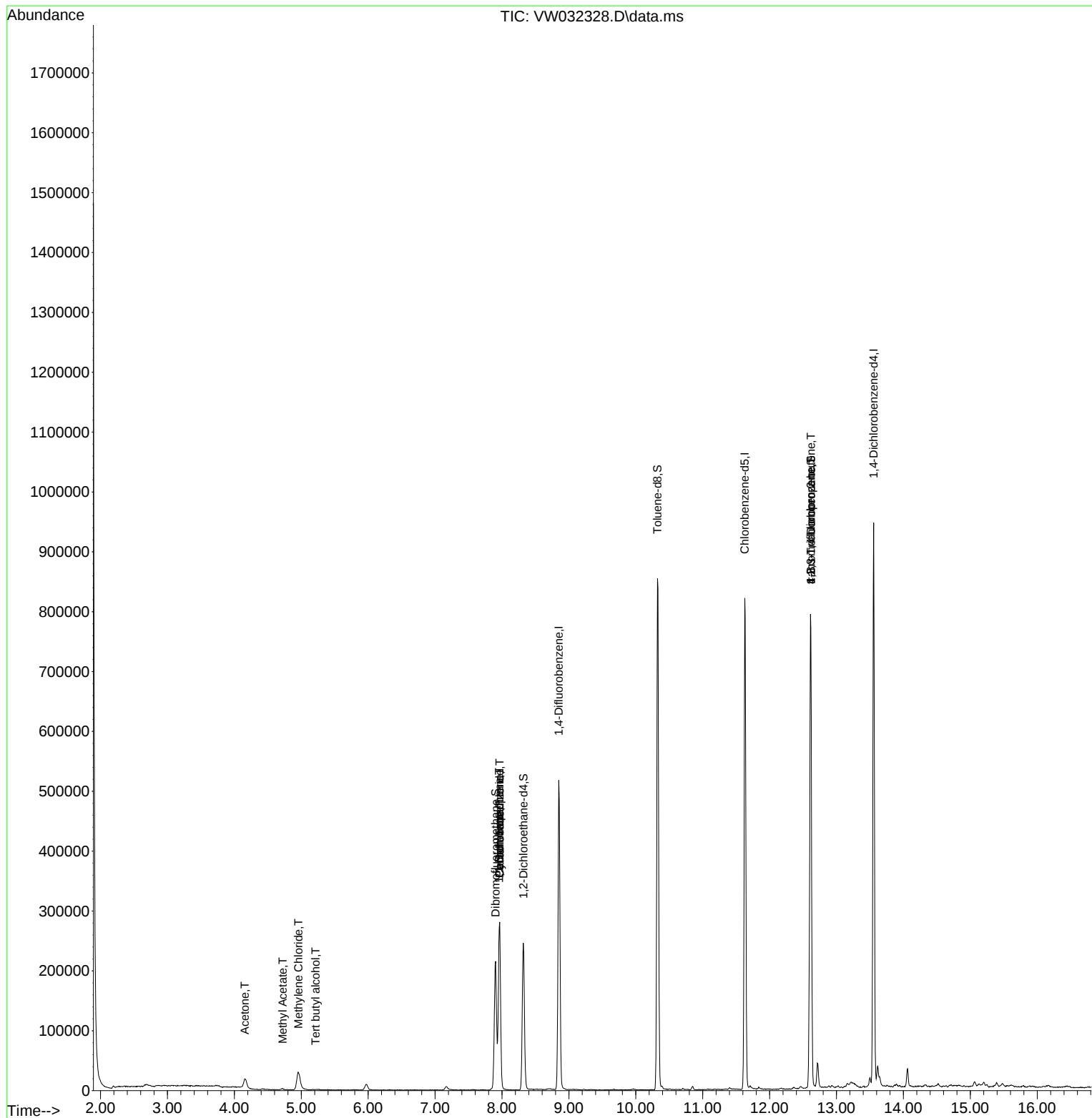
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.965     | 168            | 197845   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.849     | 114            | 430890   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.629    | 117            | 442868   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.556    | 152            | 232780   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.319     | 65             | 205501   | 71.214     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 63 - 155 | Recovery | = 142.420% |        |          |
| 35) Dibromofluoromethane      | 7.904     | 113            | 159110   | 57.019     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 70 - 134 | Recovery | = 114.040% |        |          |
| 50) Toluene-d8                | 10.325    | 98             | 587929   | 57.086     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 74 - 123 | Recovery | = 114.180% |        |          |
| 62) 4-Bromofluorobenzene      | 12.617    | 95             | 226278   | 58.129     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 17 - 146 | Recovery | = 116.260% |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            | Qvalue |          |
| 11) Tert butyl alcohol        | 5.216     | 59             | 310      | 1.419      | ug/l # | 69       |
| 16) Acetone                   | 4.155     | 43             | 27330    | 34.204     | ug/l   | 99       |
| 18) Methyl Acetate            | 4.722     | 43             | 4003     | 1.749      | ug/l   | 97       |
| 20) Methylene Chloride        | 4.960     | 84             | 26183    | 5.098      | ug/l   | 96       |
| 31) Cyclohexane               | 7.965     | 56             | 5422     | 1.335      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.959     | 75             | 18549    | 4.710      | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.965     | 117            | 21861    | 5.899      | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.617    | 75             | 121419   | 39.637     | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.617    | 75             | 121419   | 100.412    | ug/l # | 5        |
| -----                         |           |                |          |            |        |          |

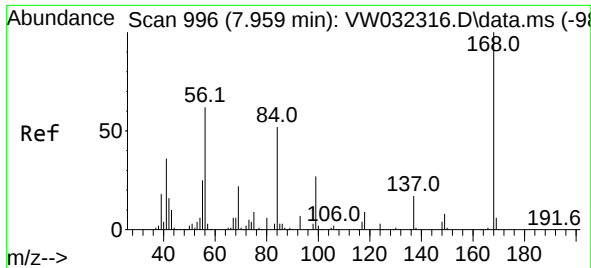
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Oct 02 21:37:34 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

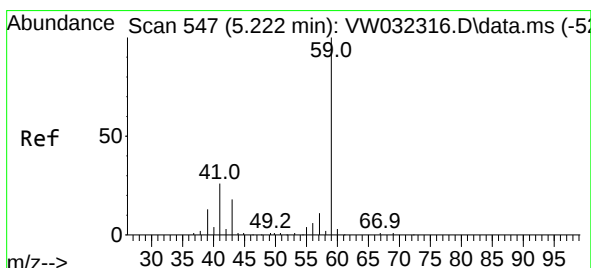
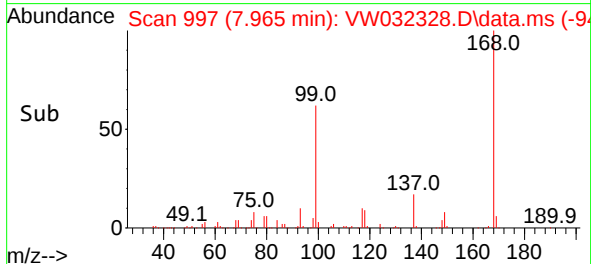
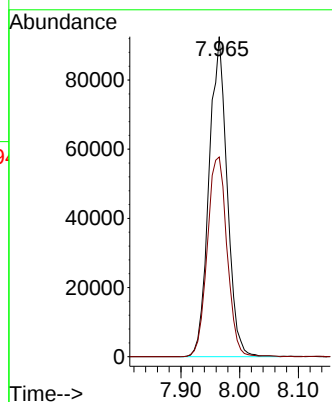
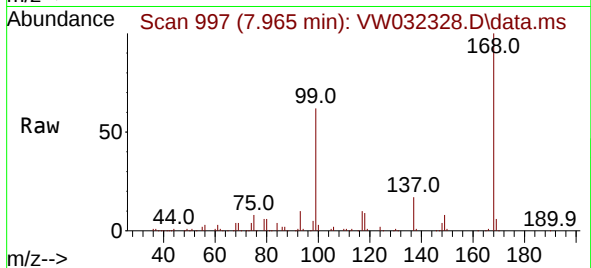




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.965 min Scan# 99  
Delta R.T. 0.000 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

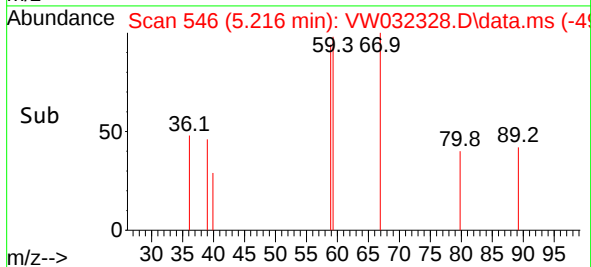
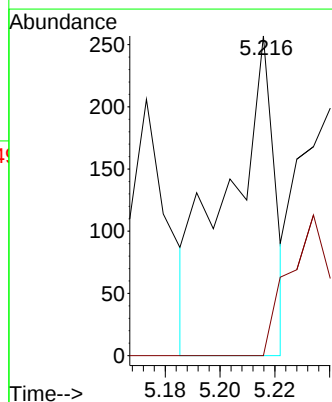
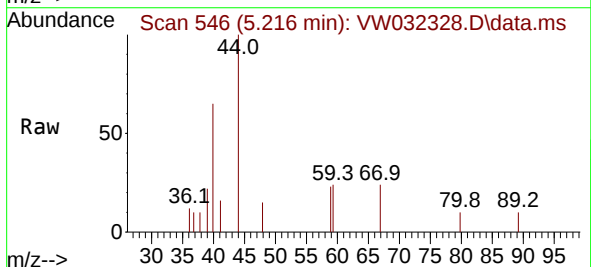
Instrument :  
MSVOA\_W  
ClientSampleId :

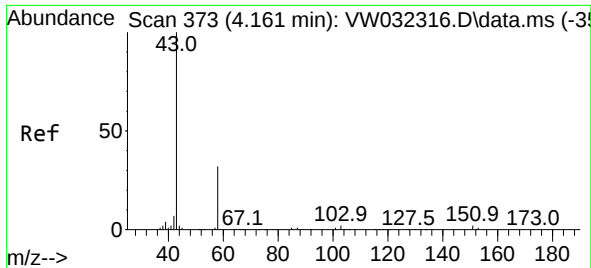
Tgt Ion:168 Resp: 197845  
Ion Ratio Lower Upper  
168 100  
99 62.4 49.3 73.9



#11  
Tert butyl alcohol  
Concen: 1.419 ug/l  
RT: 5.216 min Scan# 546  
Delta R.T. -0.006 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

Tgt Ion: 59 Resp: 310  
Ion Ratio Lower Upper  
59 100  
57 0.0 9.8 14.6#

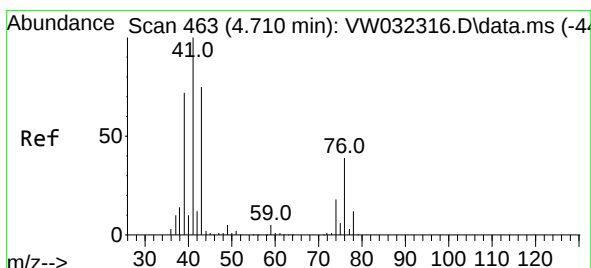
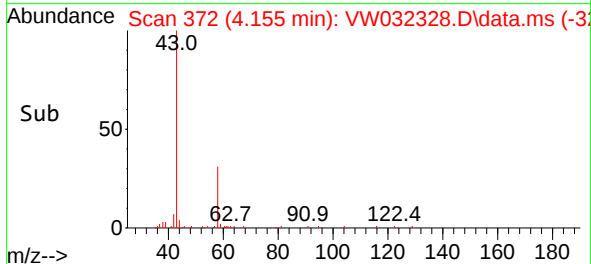
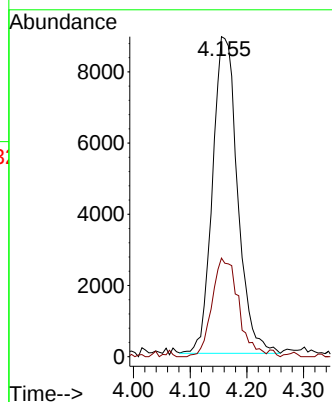
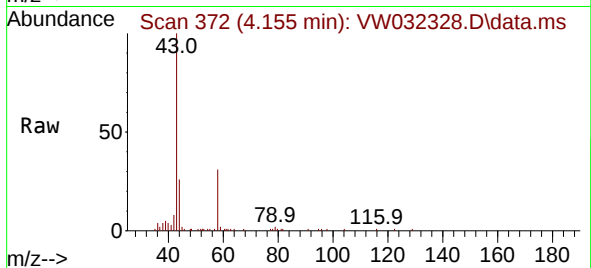




#16  
Acetone  
Concen: 34.204 ug/l  
RT: 4.155 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

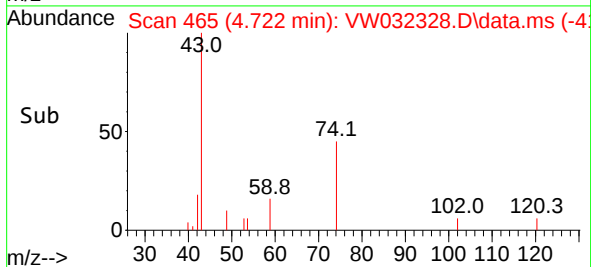
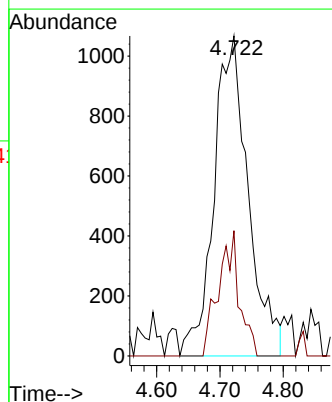
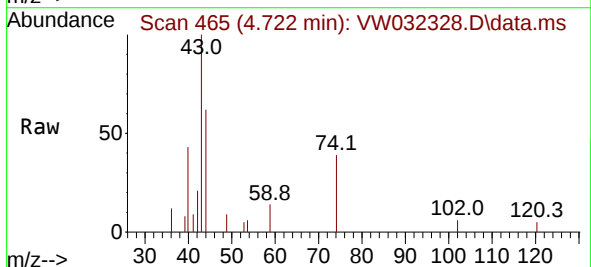
Instrument :  
MSVOA\_W  
ClientSampleId :

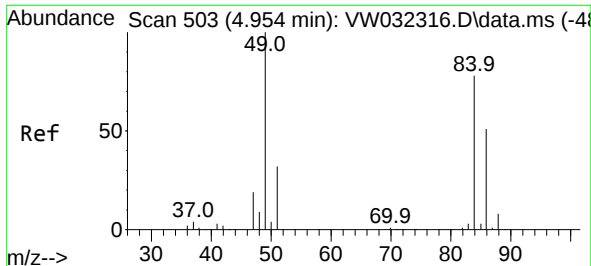
Tgt Ion: 43 Resp: 27330  
Ion Ratio Lower Upper  
43 100  
58 31.1 25.3 37.9



#18  
Methyl Acetate  
Concen: 1.749 ug/l  
RT: 4.722 min Scan# 465  
Delta R.T. 0.012 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

Tgt Ion: 43 Resp: 4003  
Ion Ratio Lower Upper  
43 100  
74 23.8 20.2 30.4

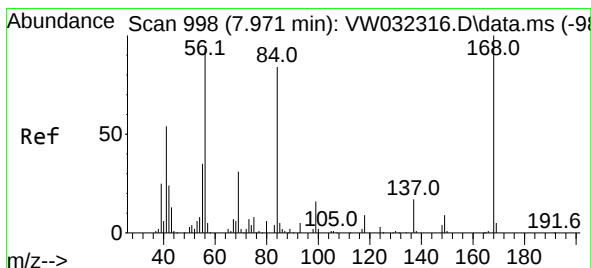
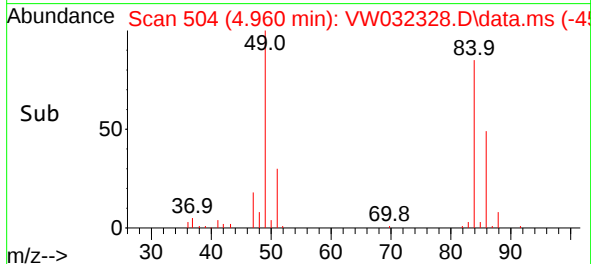
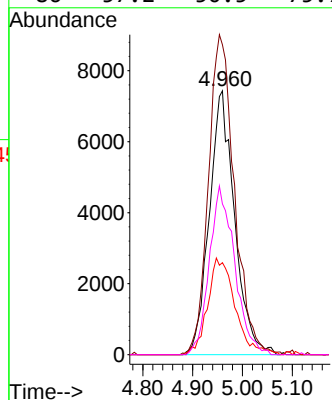
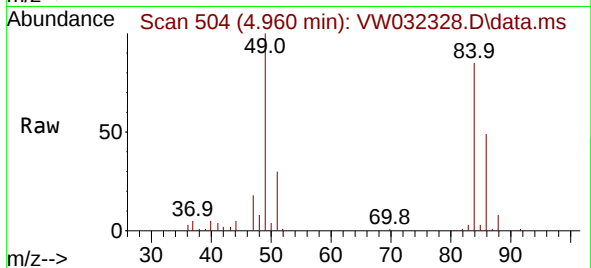




#20  
Methylene Chloride  
Concen: 5.098 ug/l  
RT: 4.960 min Scan# 503  
Delta R.T. -0.000 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

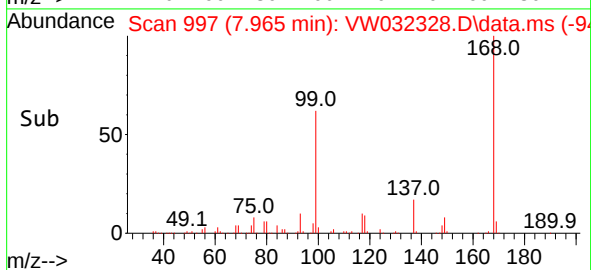
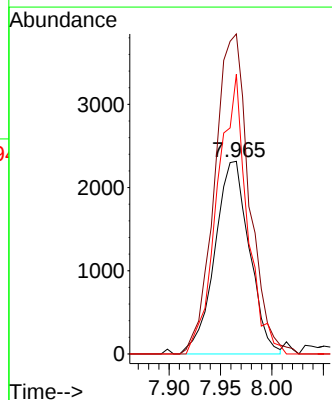
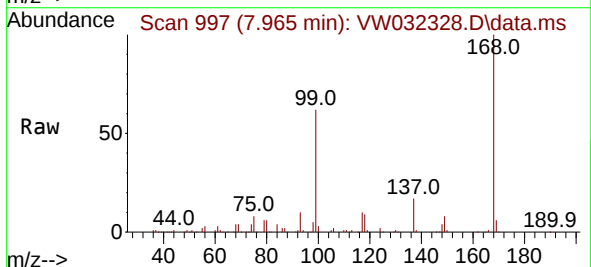
Instrument :  
MSVOA\_W  
ClientSampleId :

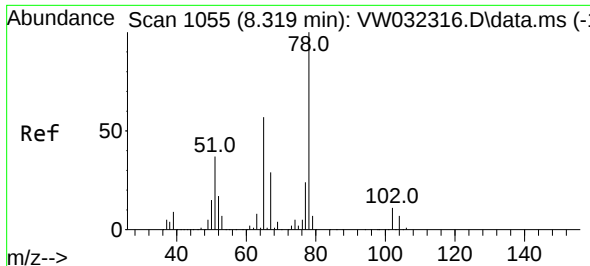
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 26183 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.5 | 92.2  | 138.4 |
| 51       | 34.9  | 31.0  | 46.6  |
| 86       | 57.2  | 50.5  | 75.7  |



#31  
Cyclohexane  
Concen: 1.335 ug/l  
RT: 7.965 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5422   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 166.1 | 27.7  | 41.5#  |
| 84       | 145.2 | 74.6  | 112.0# |





#33

1,2-Dichloroethane-d4

Concen: 71.214 ug/l

RT: 8.319 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VW032328.D

Acq: 02 Oct 2025 13:35

Instrument :

MSVOA\_W

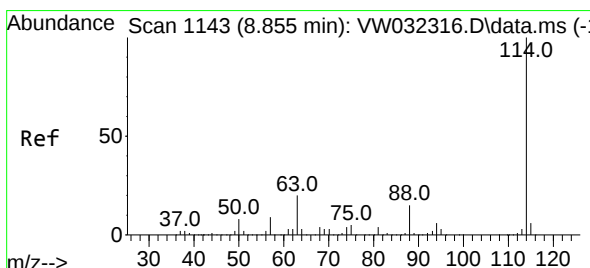
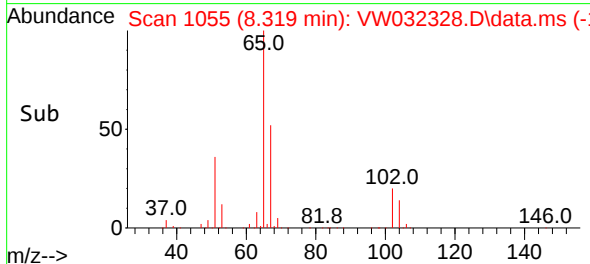
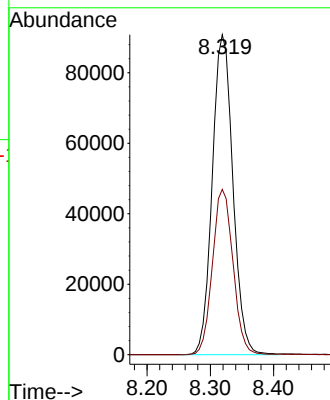
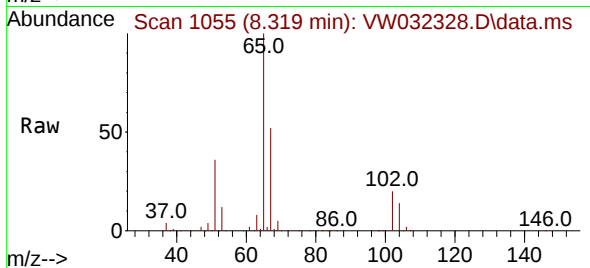
ClientSampleId :

Tgt Ion: 65 Resp: 205501

Ion Ratio Lower Upper

65 100

67 51.5 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: VW032328.D

Acq: 02 Oct 2025 13:35

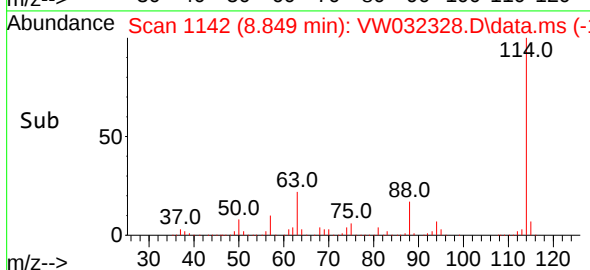
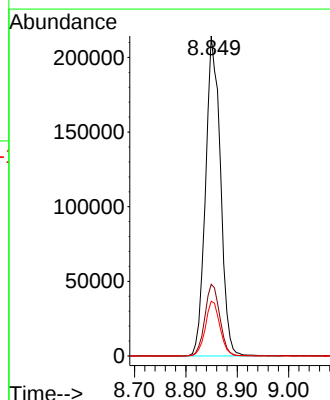
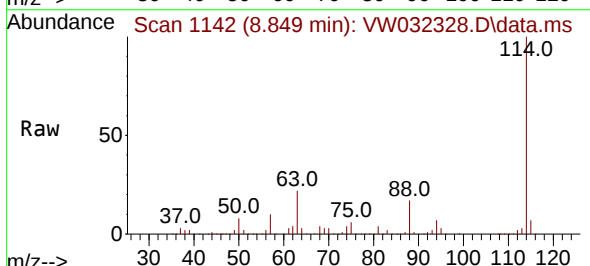
Tgt Ion: 114 Resp: 430890

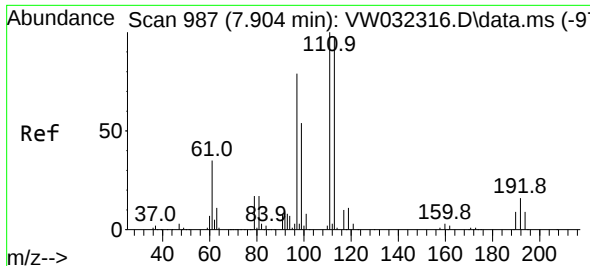
Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.4

88 17.1 0.0 32.0

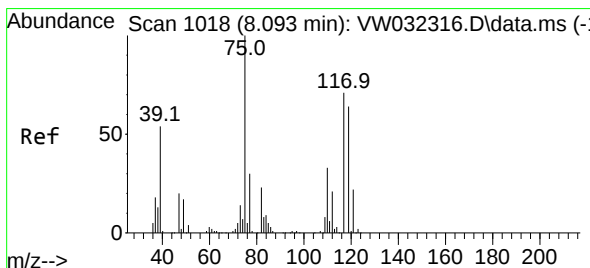
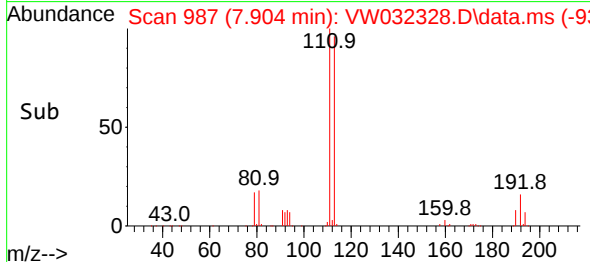
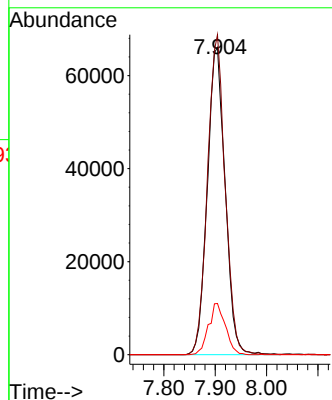
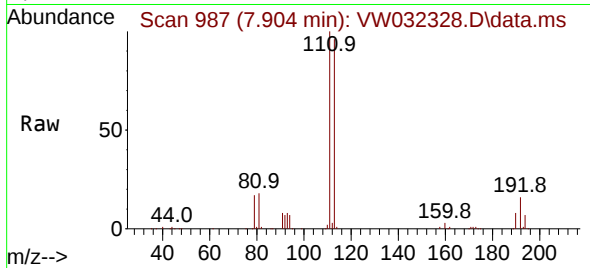




#35  
Dibromofluoromethane  
Concen: 57.019 ug/l  
RT: 7.904 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

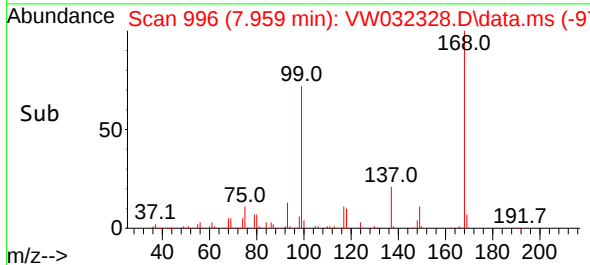
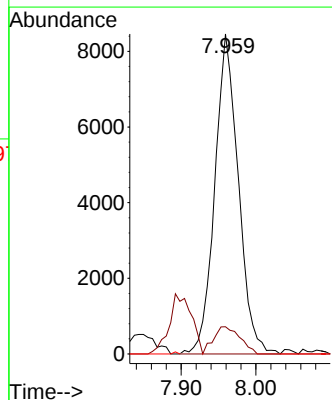
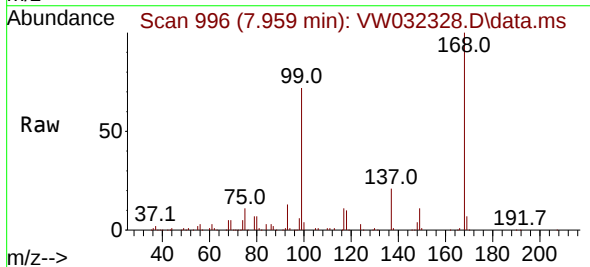
Instrument :  
MSVOA\_W  
ClientSampleId :

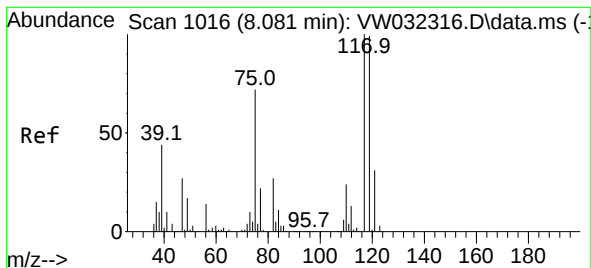
Tgt Ion:113 Resp: 159110  
Ion Ratio Lower Upper  
113 100  
111 103.2 83.9 125.9  
192 15.8 14.6 21.8



#36  
1,1-Dichloropropene  
Concen: 4.710 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.140 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

Tgt Ion: 75 Resp: 18549  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.5 52.5#  
77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

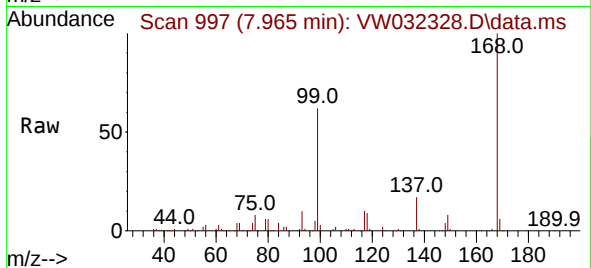
Lab File: VW032328.D

Acq: 02 Oct 2025 13:35

Instrument :

MSVOA\_W

ClientSampleId :



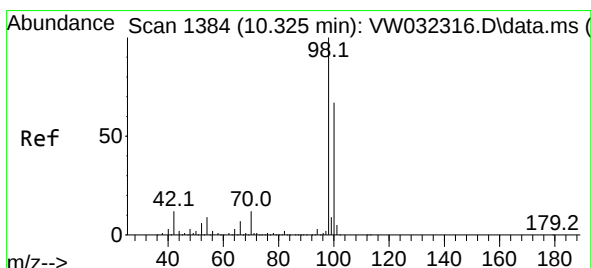
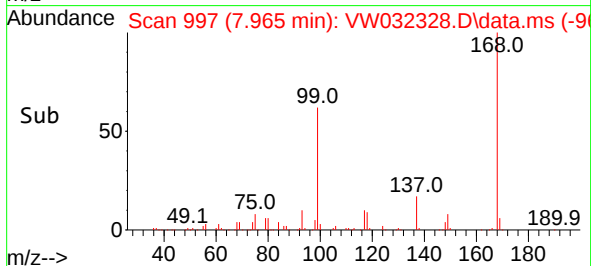
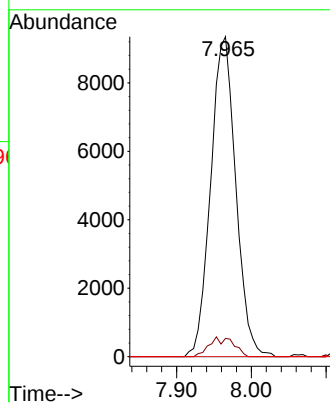
Tgt Ion:117 Resp: 21861

Ion Ratio Lower Upper

117 100

119 5.7 74.2 111.2#

121 0.0 25.6 38.4#



#50

Toluene-d8

Concen: 57.086 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032328.D

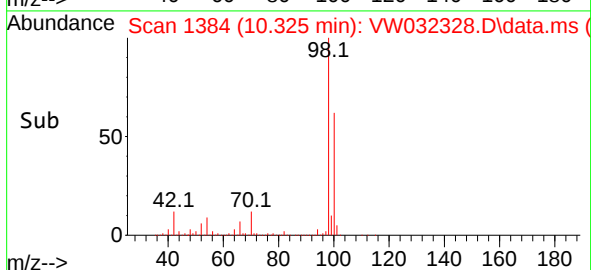
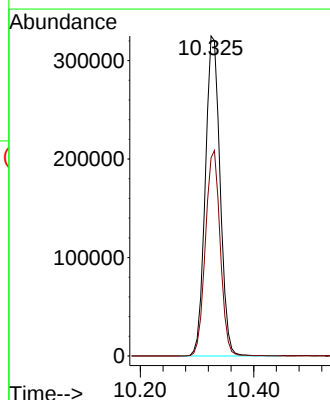
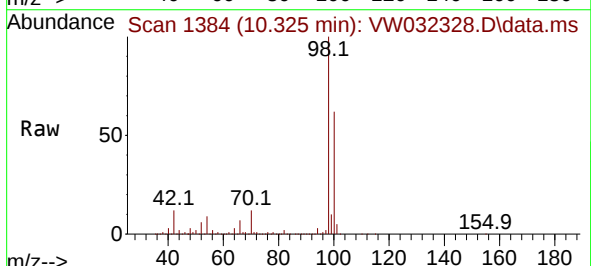
Acq: 02 Oct 2025 13:35

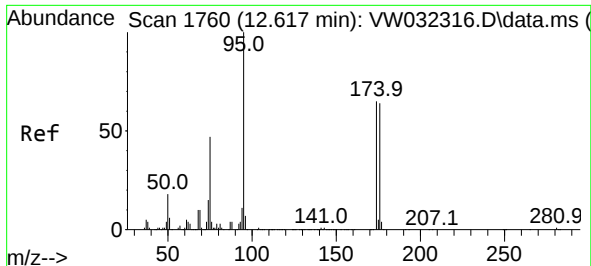
Tgt Ion: 98 Resp: 587929

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.2

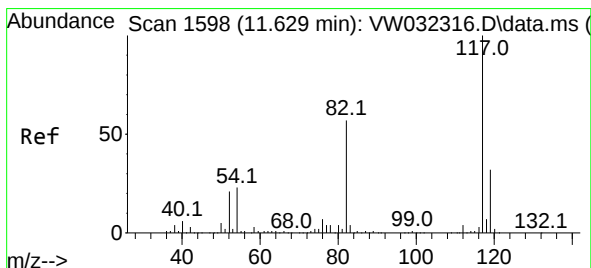
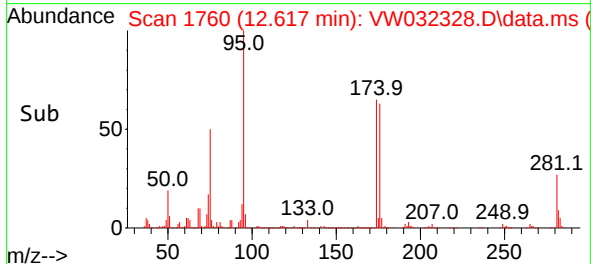
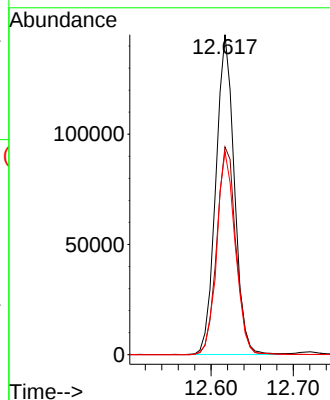
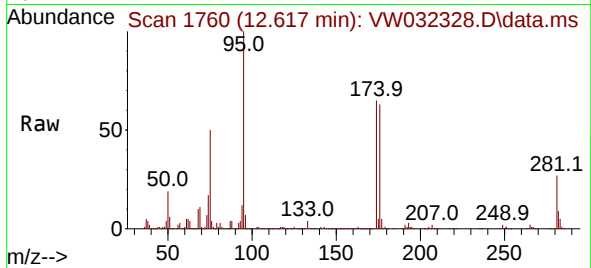




#62  
4-Bromofluorobenzene  
Concen: 58.129 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

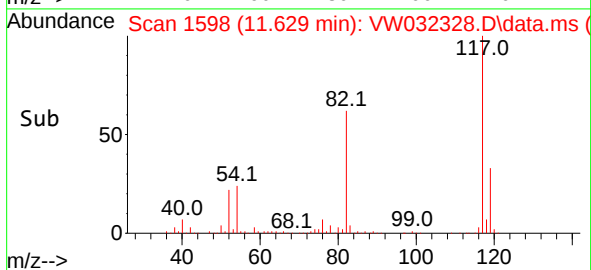
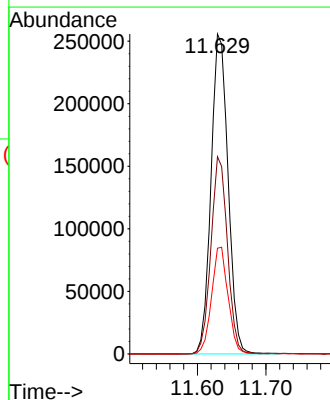
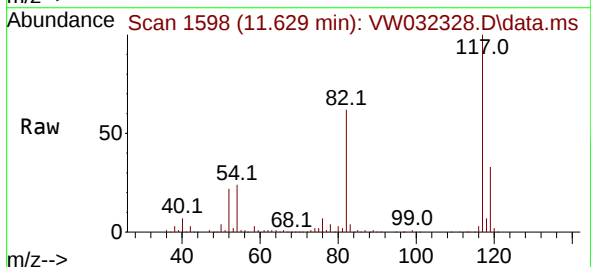
Instrument :  
MSVOA\_W  
ClientSampleId :

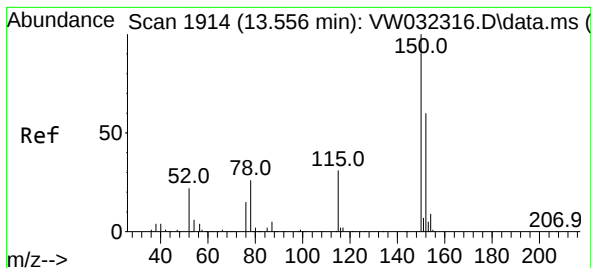
Tgt Ion: 95 Resp: 226278  
Ion Ratio Lower Upper  
95 100  
174 67.7 0.0 145.6  
176 63.8 0.0 140.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 1598  
Delta R.T. -0.000 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

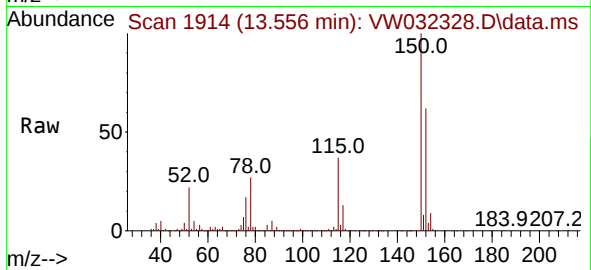
Tgt Ion: 117 Resp: 442868  
Ion Ratio Lower Upper  
117 100  
82 61.6 42.7 64.1  
119 33.1 25.2 37.8



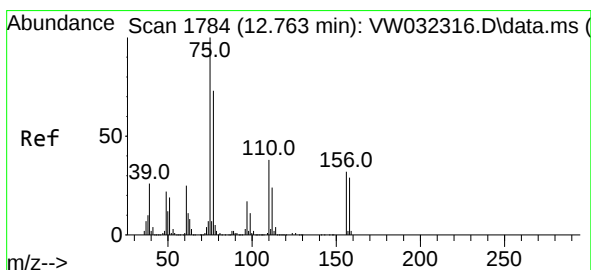
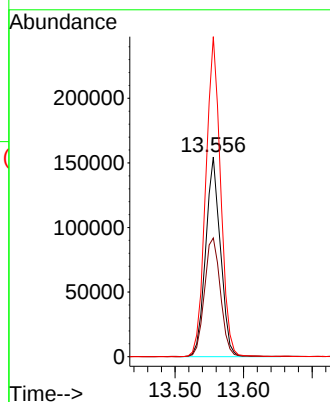
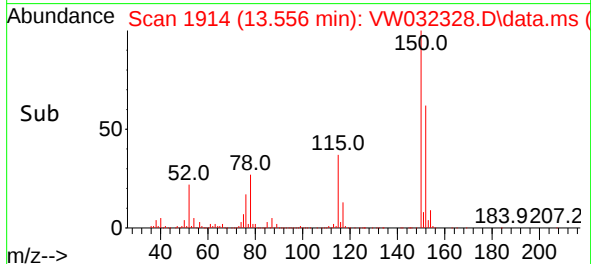


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. -0.000 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

Instrument :  
MSVOA\_W  
ClientSampleId :

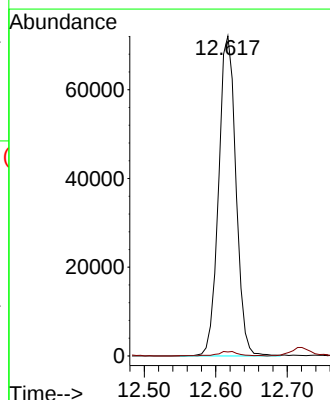
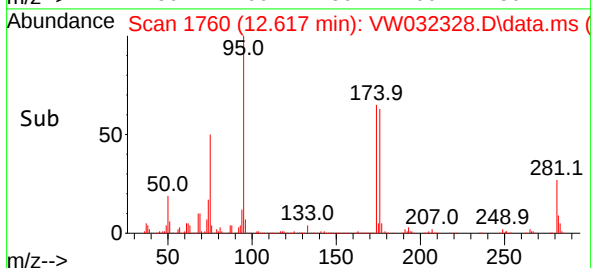
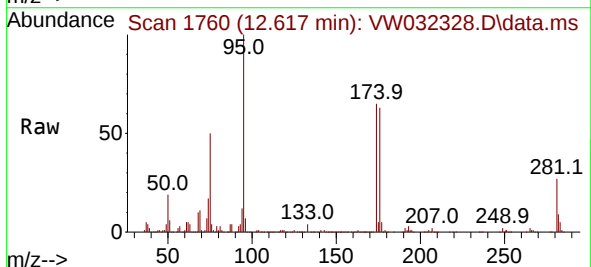


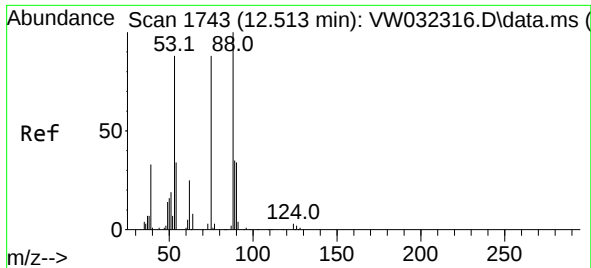
Tgt Ion:152 Resp: 232780  
Ion Ratio Lower Upper  
152 100  
115 64.0 31.8 95.4  
150 160.9 0.0 343.0



#76  
1,2,3-Trichloropropane  
Concen: 39.637 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.146 min  
Lab File: VW032328.D  
Acq: 02 Oct 2025 13:35

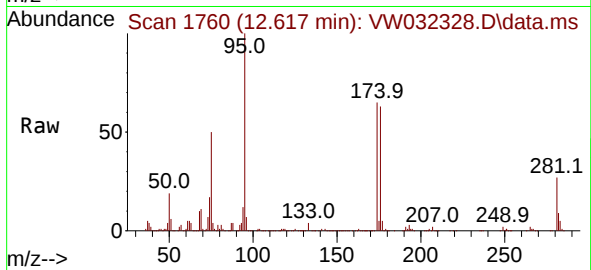
Tgt Ion: 75 Resp: 121419  
Ion Ratio Lower Upper  
75 100  
77 1.8 141.7 425.1#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 100.412 ug/l  
 RT: 12.617 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VW032328.D  
 Acq: 02 Oct 2025 13:35

Instrument :  
 MSVOA\_W  
 ClientSampleId :



Tgt Ion: 75 Resp: 121419  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 91.0 136.6#  
 89 1.1 39.4 59.2#

