

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092225\  
 Data File : VW032224.D  
 Acq On : 22 Sep 2025 10:27  
 Operator : SY/MD  
 Sample : VW0922SBL01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0922SBL01

Quant Time: Sep 23 06:03:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W082625S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 27 04:13:40 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.965  | 168  | 157714   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.849  | 114  | 321952   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.629 | 117  | 326905   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 151656   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 148101   | 65.662   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =    | 131.320% |
| 35) Dibromofluoromethane    | 7.898  | 113   | 125719   | 55.658   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =    | 111.320% |
| 50) Toluene-d8              | 10.325 | 98    | 445779   | 56.218   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =    | 112.440% |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 150343   | 51.274   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =    | 102.540% |

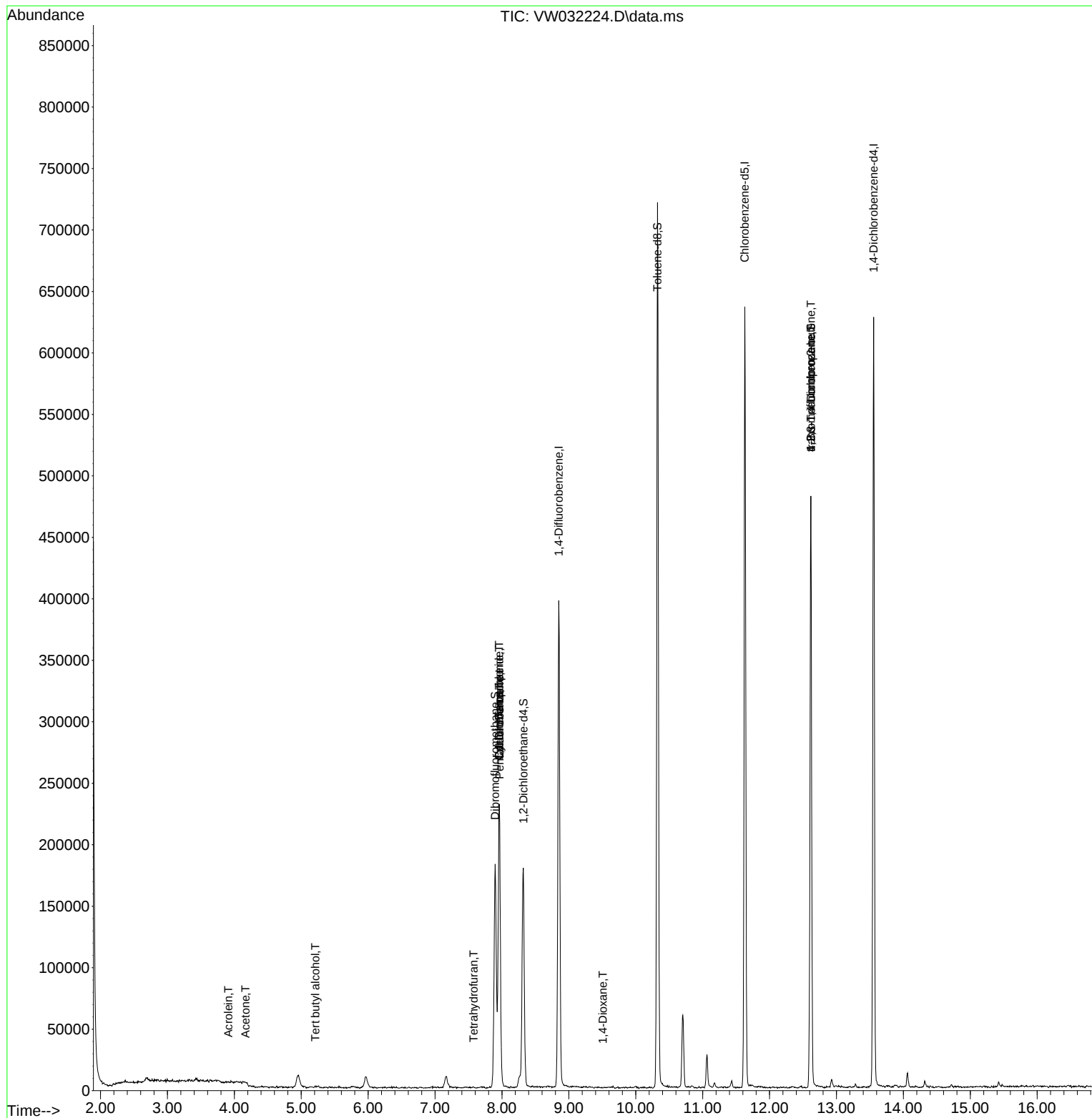
| Target Compounds              |        |     |       |         | Qvalue |    |
|-------------------------------|--------|-----|-------|---------|--------|----|
| 11) Tert butyl alcohol        | 5.210  | 59  | 157   | 1.138   | ug/l # | 69 |
| 13) Acrolein                  | 3.911  | 56  | 219   | 1.033   | ug/l # | 53 |
| 16) Acetone                   | 4.167  | 43  | 2323  | 4.756   | ug/l # | 86 |
| 29) Tetrahydrofuran           | 7.575  | 42  | 462   | 1.050   | ug/l # | 60 |
| 31) Cyclohexane               | 7.959  | 56  | 4869  | 1.758   | ug/l # | 38 |
| 36) 1,1-Dichloropropene       | 7.959  | 75  | 15383 | 5.253   | ug/l # | 50 |
| 38) Carbon Tetrachloride      | 7.959  | 117 | 18711 | 5.960   | ug/l # | 18 |
| 49) 1,4-Dioxane               | 9.508  | 88  | 48    | 2.595   | ug/l # | 1  |
| 76) 1,2,3-Trichloropropane    | 12.617 | 75  | 83397 | 43.894  | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.617 | 75  | 83397 | 118.184 | ug/l # | 5  |

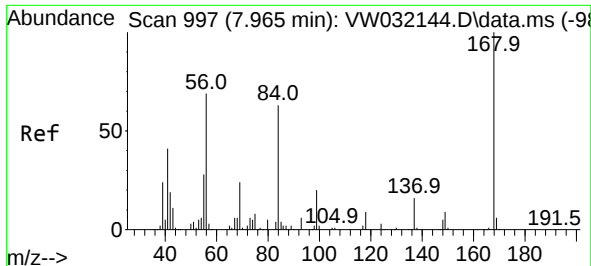
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VW0922SBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0922SBL01

Quant Time: Sep 23 06:03:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W082625S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 27 04:13:40 2025  
Response via : Initial Calibration

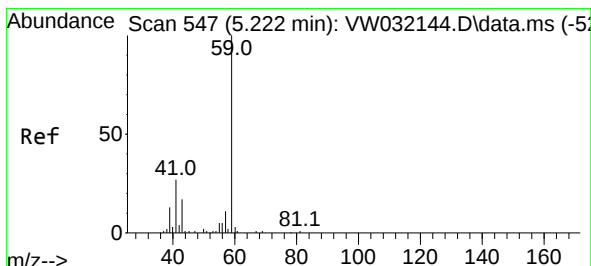
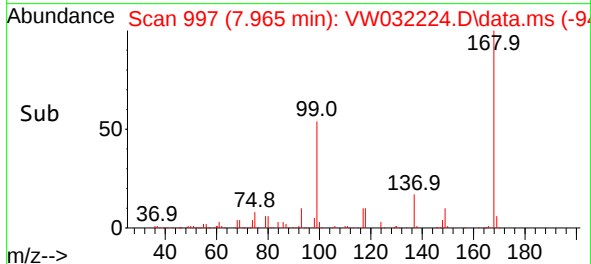
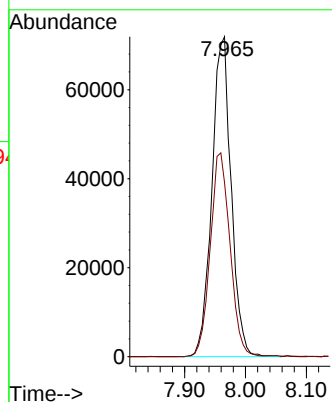
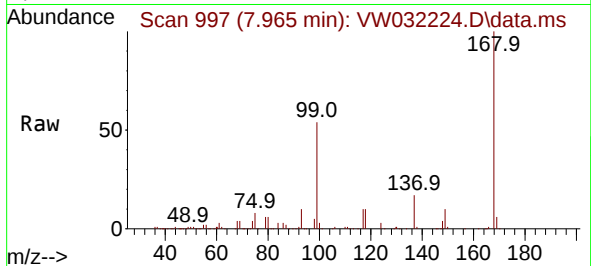




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.965 min Scan# 997  
Delta R.T. 0.000 min  
Lab File: VW032224.D  
Acq: 22 Sep 2025 10:27

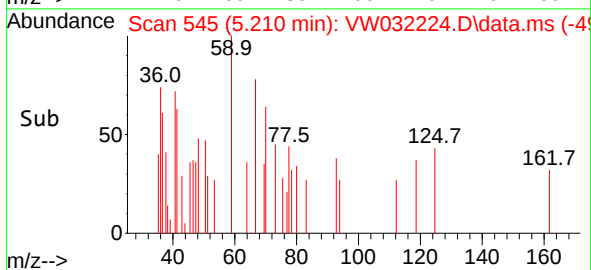
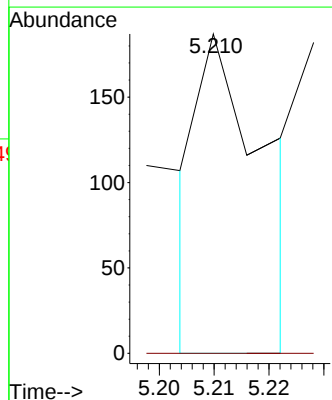
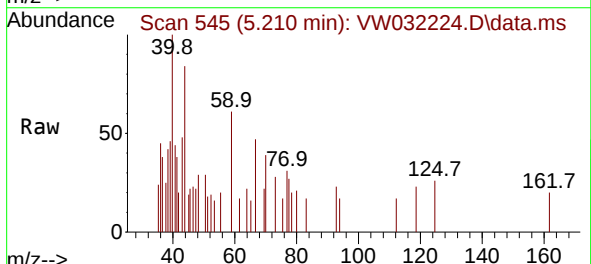
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0922SBL01

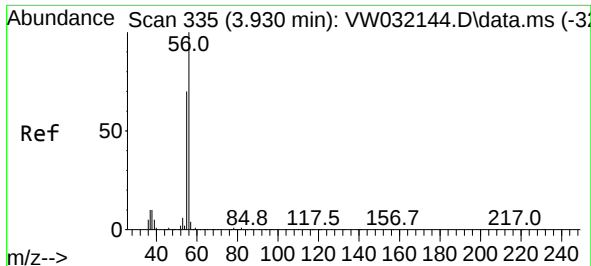
Tgt Ion:168 Resp: 157714  
Ion Ratio Lower Upper  
168 100  
99 54.4 49.3 73.9



#11  
Tert butyl alcohol  
Concen: 1.138 ug/l  
RT: 5.210 min Scan# 545  
Delta R.T. -0.012 min  
Lab File: VW032224.D  
Acq: 22 Sep 2025 10:27

Tgt Ion: 59 Resp: 157  
Ion Ratio Lower Upper  
59 100  
57 0.0 9.8 14.6#

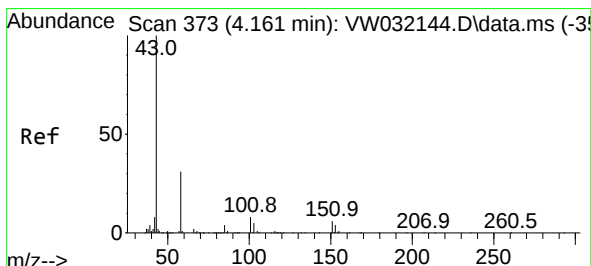
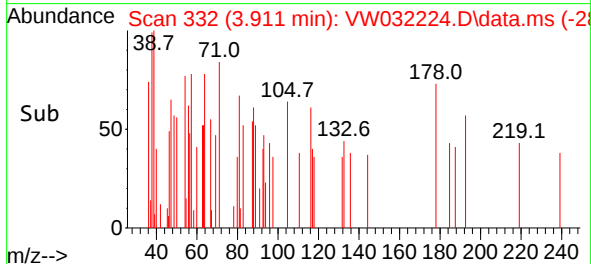
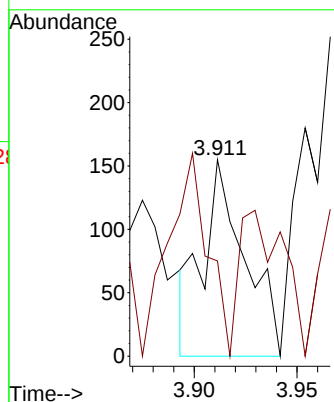
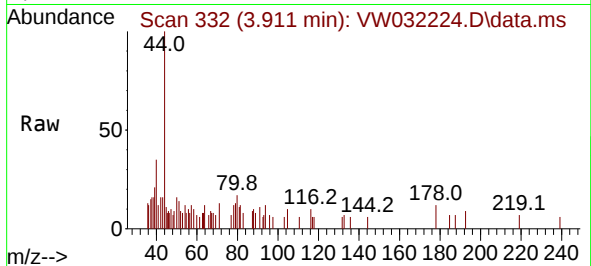




#13  
Acrolein  
Concen: 1.033 ug/l  
RT: 3.911 min Scan# 311  
Delta R.T. -0.018 min  
Lab File: VW032224.D  
Acq: 22 Sep 2025 10:27

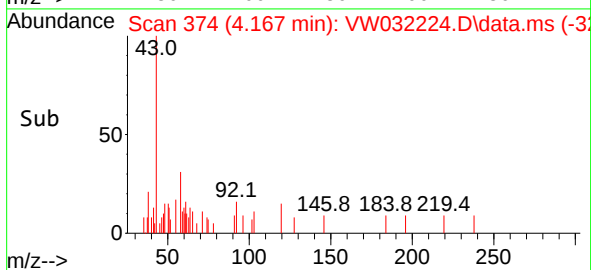
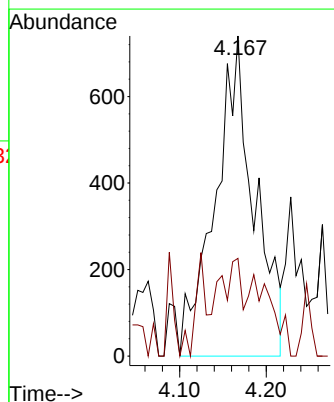
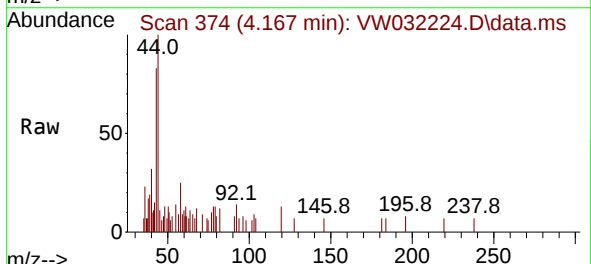
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0922SBL01

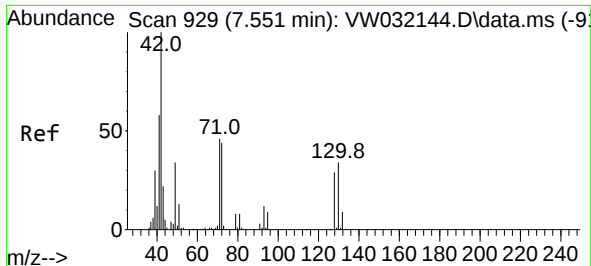
Tgt Ion: 56 Resp: 219  
Ion Ratio Lower Upper  
56 100  
55 109.1 56.4 84.6#



#16  
Acetone  
Concen: 4.756 ug/l  
RT: 4.167 min Scan# 374  
Delta R.T. 0.006 min  
Lab File: VW032224.D  
Acq: 22 Sep 2025 10:27

Tgt Ion: 43 Resp: 2323  
Ion Ratio Lower Upper  
43 100  
58 23.8 25.3 37.9#





#29

Tetrahydrofuran

Concen: 1.050 ug/l

RT: 7.575 min Scan# 91

Delta R.T. 0.024 min

Lab File: VW032224.D

Acq: 22 Sep 2025 10:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0922SBL01

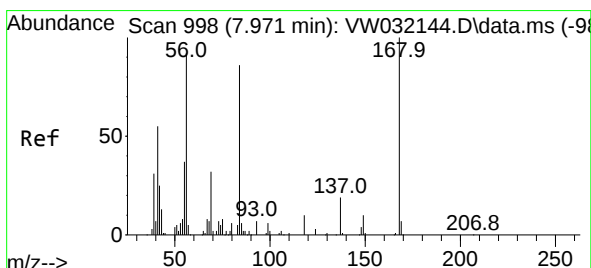
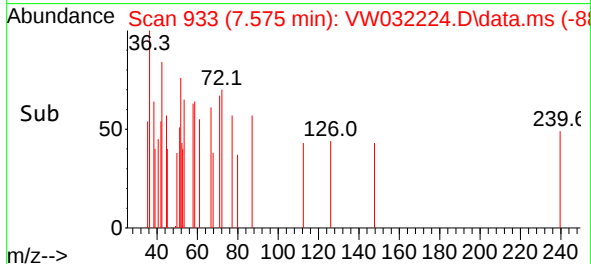
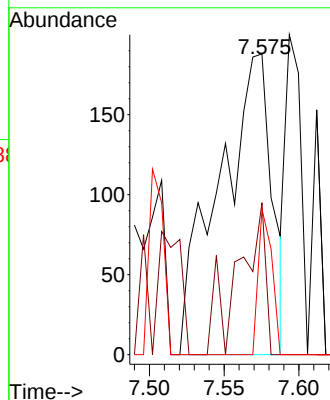
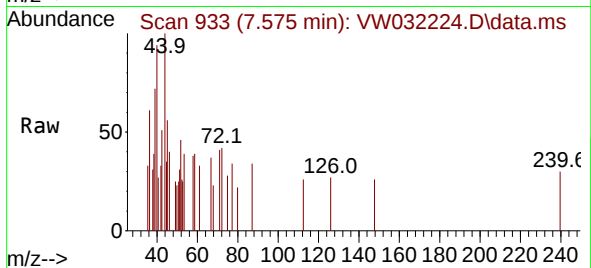
Tgt Ion: 42 Resp: 462

Ion Ratio Lower Upper

42 100

72 26.0 37.4 56.2#

71 12.3 36.0 54.0#



#31

Cyclohexane

Concen: 1.758 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.012 min

Lab File: VW032224.D

Acq: 22 Sep 2025 10:27

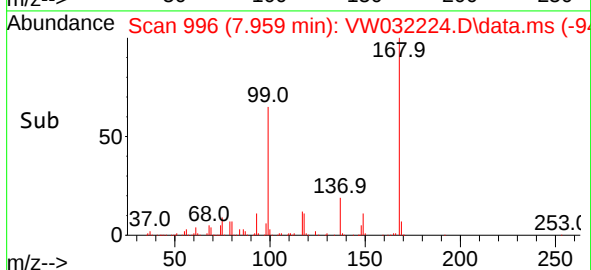
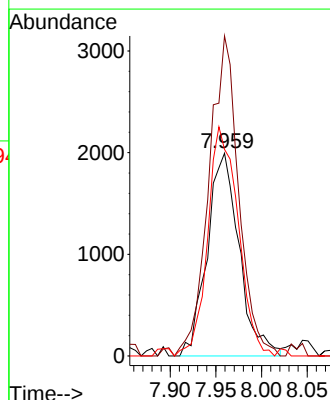
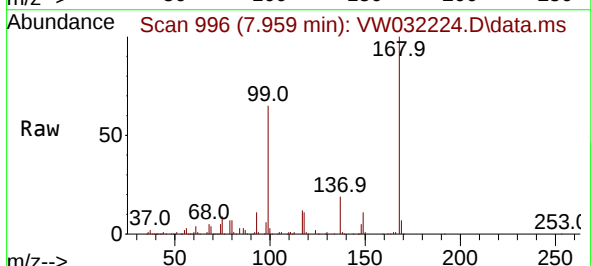
Tgt Ion: 56 Resp: 4869

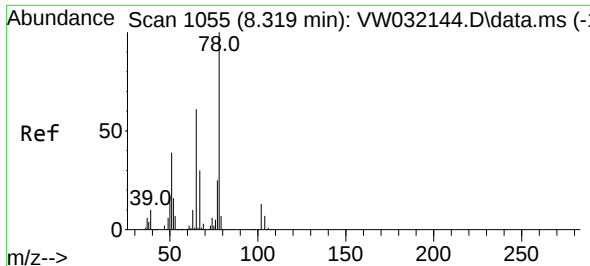
Ion Ratio Lower Upper

56 100

69 157.9 27.7 41.5#

84 99.2 74.6 112.0

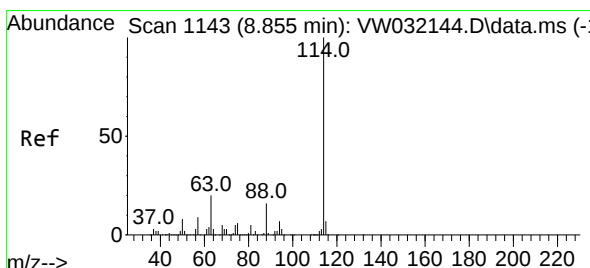
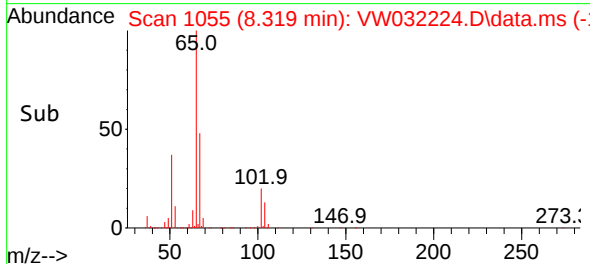
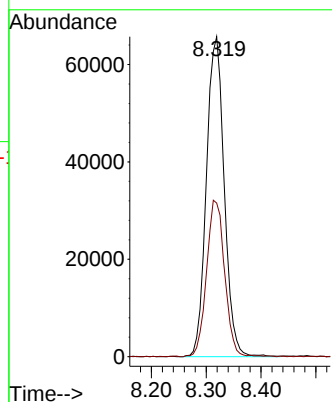
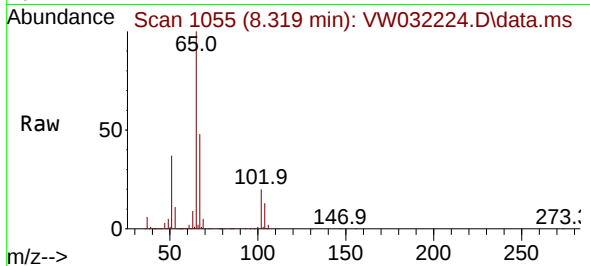




#33  
 1,2-Dichloroethane-d4  
 Concen: 65.662 ug/l  
 RT: 8.319 min Scan# 1055  
 Delta R.T. 0.000 min  
 Lab File: VW032224.D  
 Acq: 22 Sep 2025 10:27

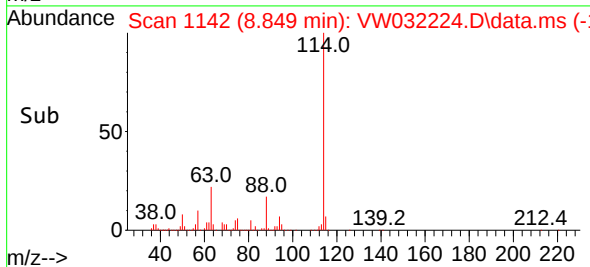
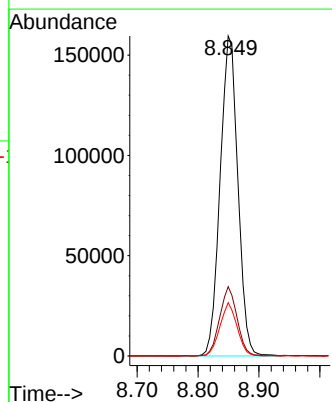
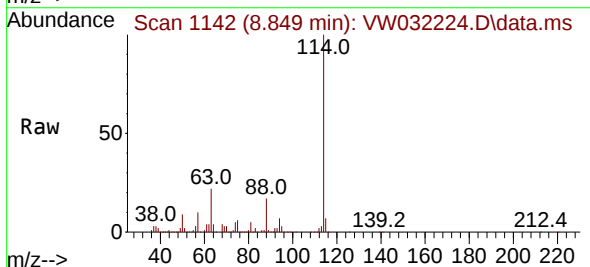
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0922SBL01

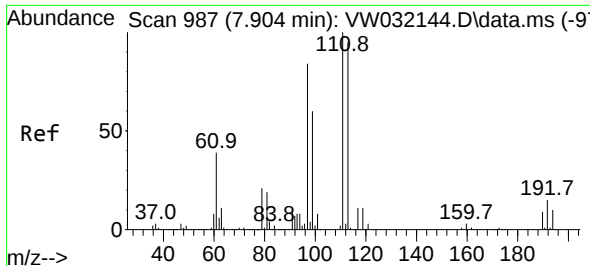
Tgt Ion: 65 Resp: 148101  
 Ion Ratio Lower Upper  
 65 100  
 67 49.5 0.0 99.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.849 min Scan# 1142  
 Delta R.T. -0.006 min  
 Lab File: VW032224.D  
 Acq: 22 Sep 2025 10:27

Tgt Ion: 114 Resp: 321952  
 Ion Ratio Lower Upper  
 114 100  
 63 21.6 0.0 40.4  
 88 16.7 0.0 32.0

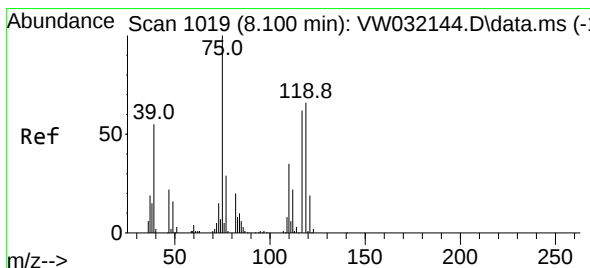
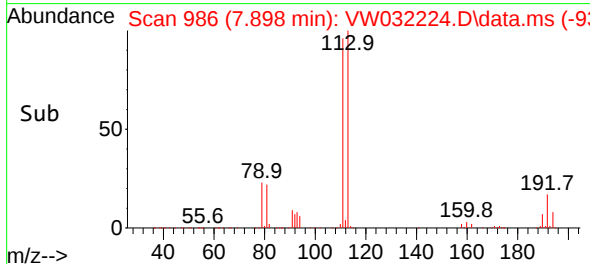
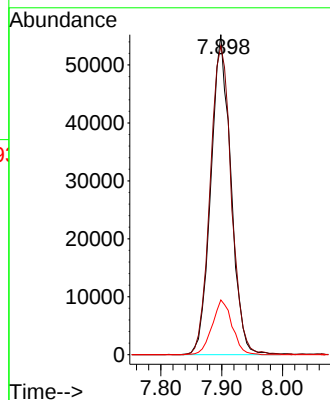
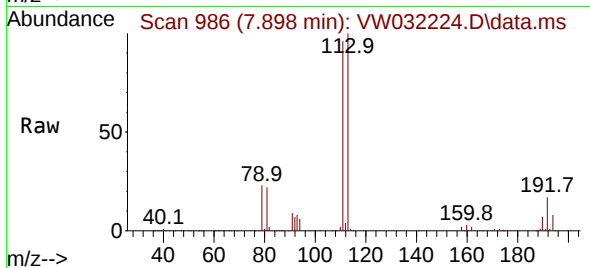




#35  
 Dibromofluoromethane  
 Concen: 55.658 ug/l  
 RT: 7.898 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VW032224.D  
 Acq: 22 Sep 2025 10:27

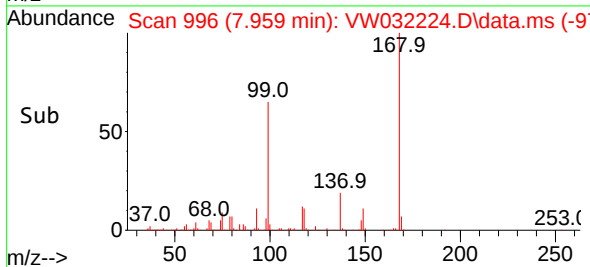
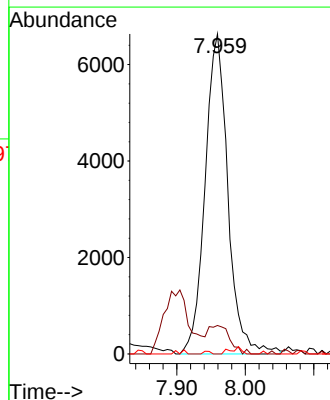
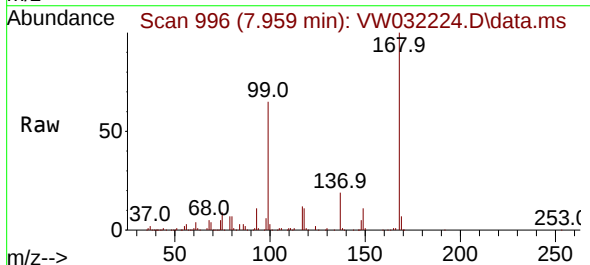
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0922SBL01

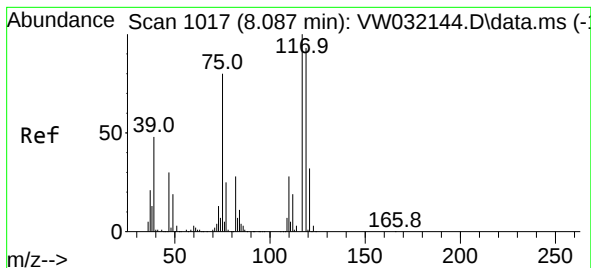
Tgt Ion:113 Resp: 125719  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 83.9 125.9  
 192 17.0 14.6 21.8



#36  
 1,1-Dichloropropene  
 Concen: 5.253 ug/l  
 RT: 7.959 min Scan# 996  
 Delta R.T. -0.140 min  
 Lab File: VW032224.D  
 Acq: 22 Sep 2025 10:27

Tgt Ion: 75 Resp: 15383  
 Ion Ratio Lower Upper  
 75 100  
 110 8.3 17.5 52.5#  
 77 0.3 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.960 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032224.D

Acq: 22 Sep 2025 10:27

Instrument :

MSVOA\_W

ClientSampleId :

VW0922SBL01

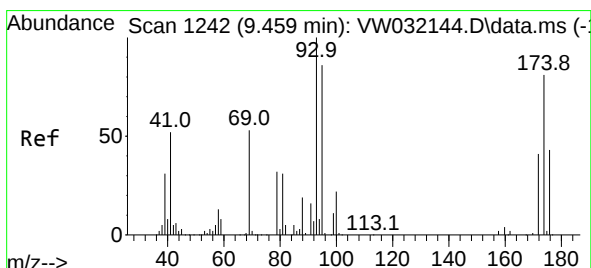
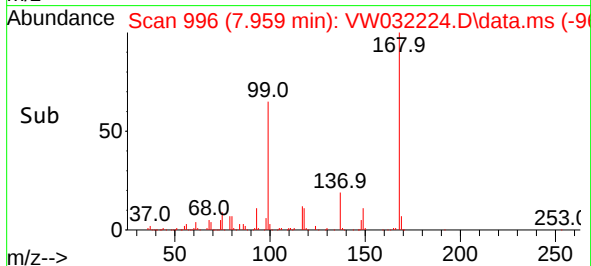
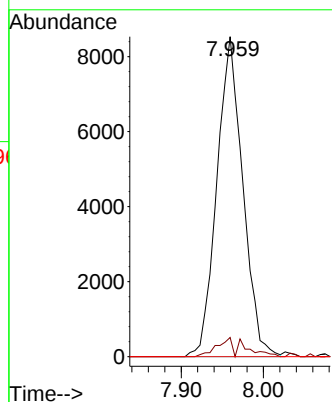
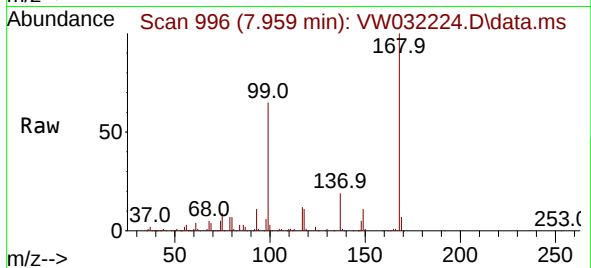
Tgt Ion:117 Resp: 18711

Ion Ratio Lower Upper

117 100

119 6.0 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 2.595 ug/l

RT: 9.508 min Scan# 1250

Delta R.T. 0.049 min

Lab File: VW032224.D

Acq: 22 Sep 2025 10:27

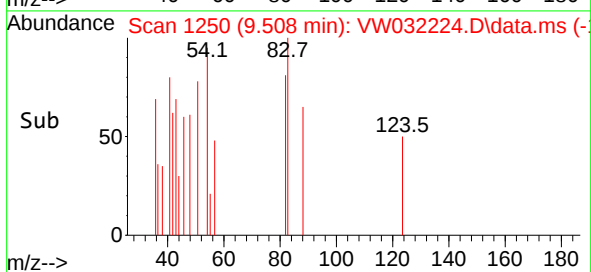
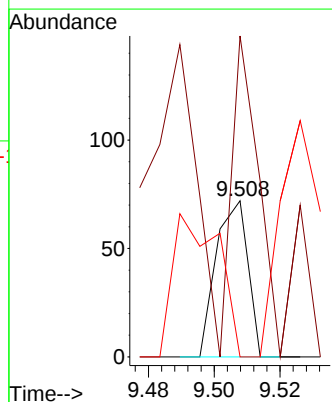
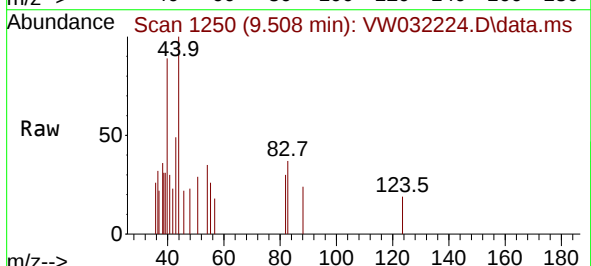
Tgt Ion: 88 Resp: 48

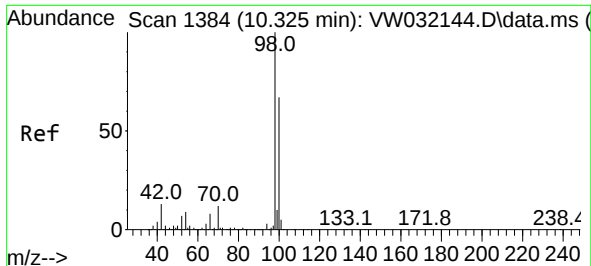
Ion Ratio Lower Upper

88 100

43 175.0 18.0 27.0#

58 0.0 55.4 83.0#

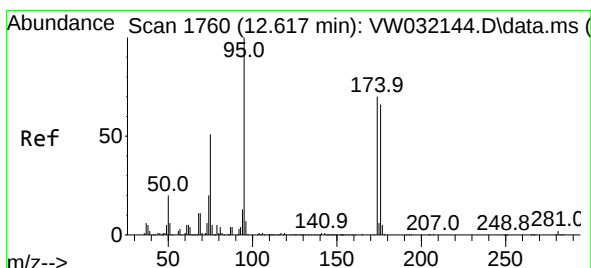
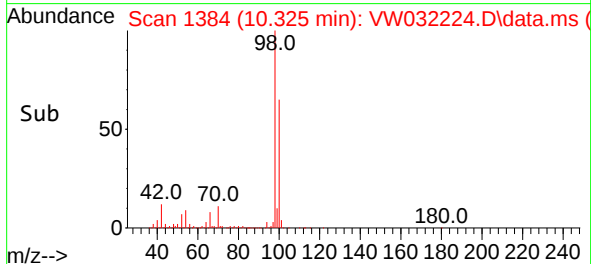
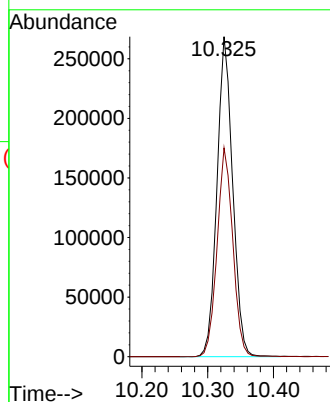
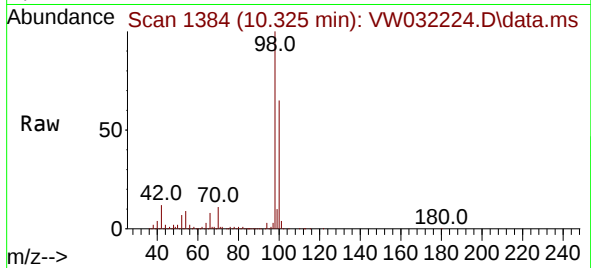




#50  
Toluene-d8  
Concen: 56.218 ug/l  
RT: 10.325 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW032224.D  
Acq: 22 Sep 2025 10:27

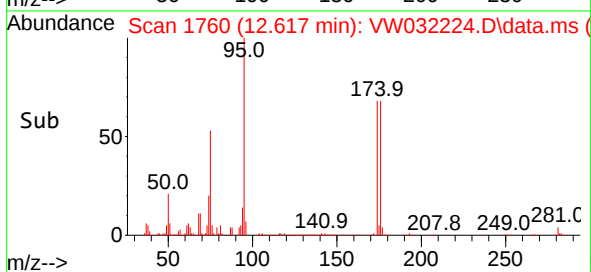
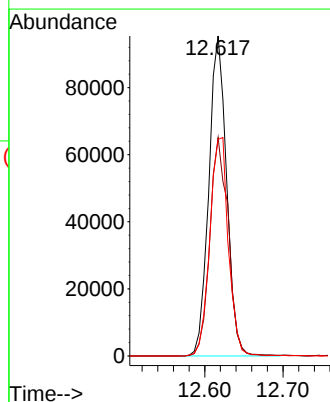
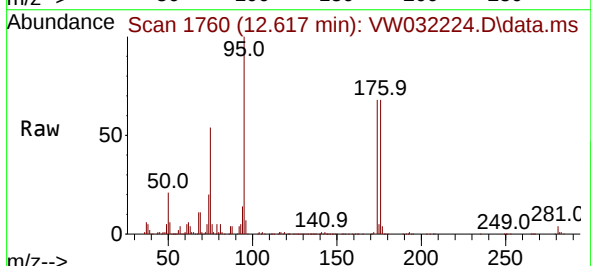
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0922SBL01

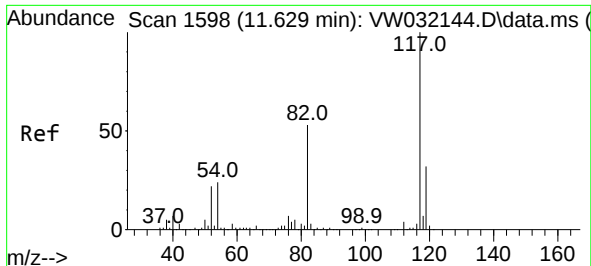
Tgt Ion: 98 Resp: 445779  
Ion Ratio Lower Upper  
98 100  
100 65.4 51.4 77.2



#62  
4-Bromofluorobenzene  
Concen: 51.274 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW032224.D  
Acq: 22 Sep 2025 10:27

Tgt Ion: 95 Resp: 150343  
Ion Ratio Lower Upper  
95 100  
174 71.1 0.0 145.6  
176 71.2 0.0 140.8

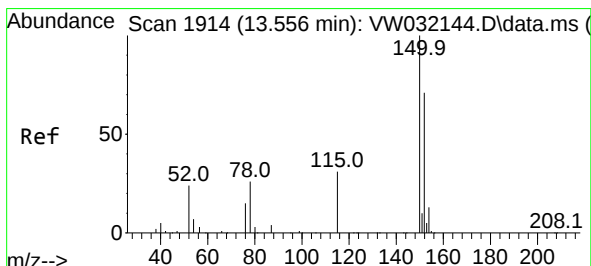
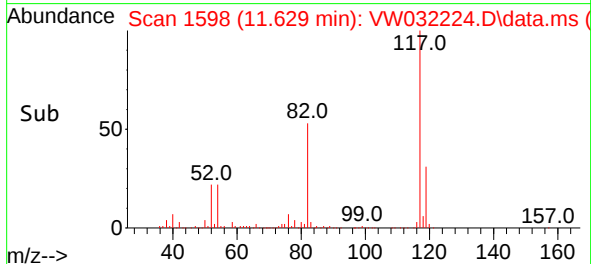
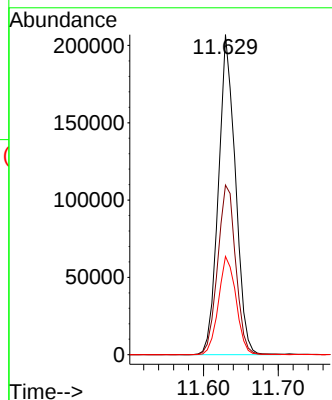
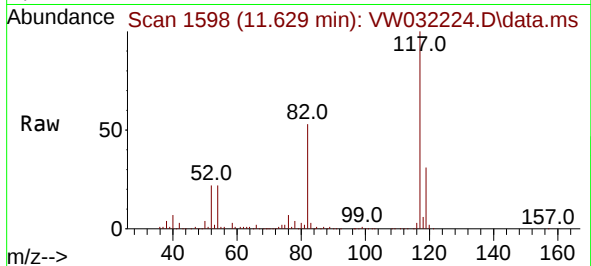




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW032224.D  
Acq: 22 Sep 2025 10:27

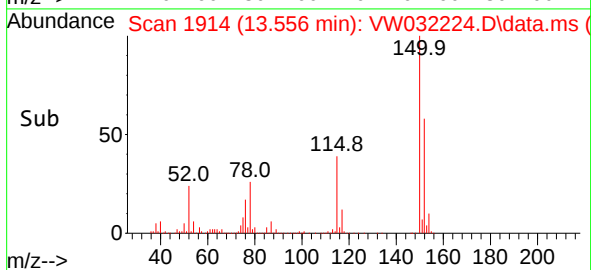
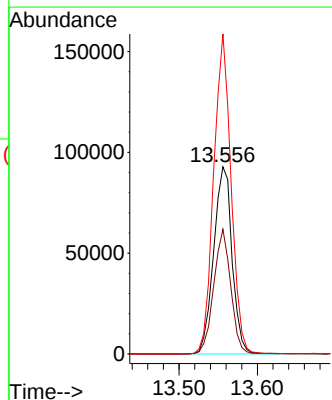
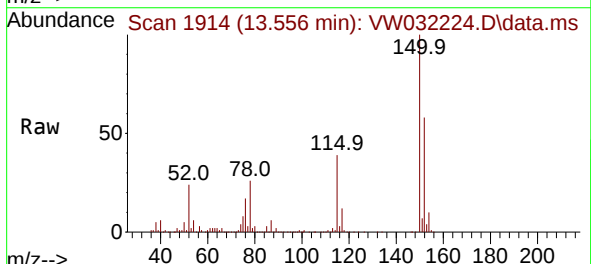
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0922SBL01

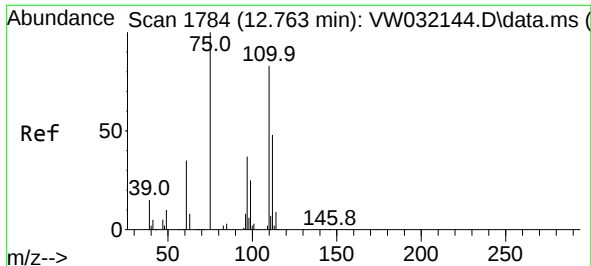
Tgt Ion:117 Resp: 326905  
Ion Ratio Lower Upper  
117 100  
82 53.0 42.7 64.1  
119 30.7 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW032224.D  
Acq: 22 Sep 2025 10:27

Tgt Ion:152 Resp: 151656  
Ion Ratio Lower Upper  
152 100  
115 61.8 31.8 95.4  
150 161.1 0.0 343.0

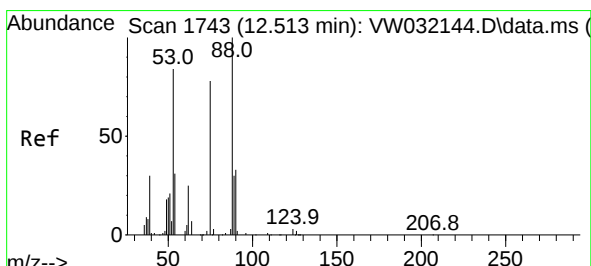
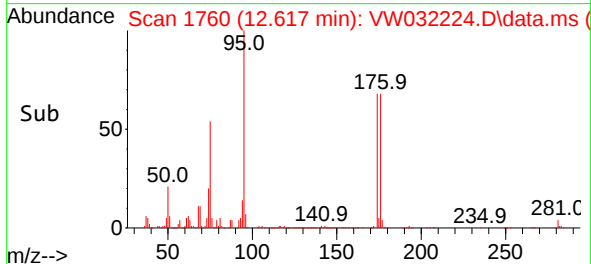
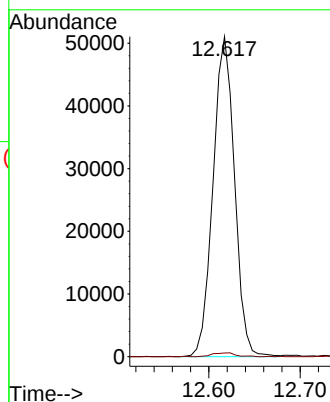
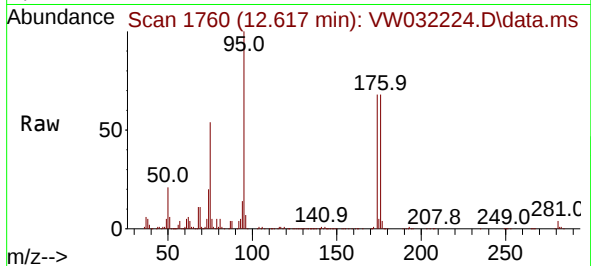




#76  
1,2,3-Trichloropropane  
Concen: 43.894 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.146 min  
Lab File: VW032224.D  
Acq: 22 Sep 2025 10:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0922SBL01

Tgt Ion: 75 Resp: 83397  
Ion Ratio Lower Upper  
75 100  
77 1.3 141.7 425.1#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 118.184 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.104 min  
Lab File: VW032224.D  
Acq: 22 Sep 2025 10:27

Tgt Ion: 75 Resp: 83397  
Ion Ratio Lower Upper  
75 100  
53 0.3 91.0 136.6#  
89 0.0 39.4 59.2#

