

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW112625\  
 Data File : VW032544.D  
 Acq On : 26 Nov 2025 15:20  
 Operator : SY/MD  
 Sample : Q3719-05  
 Misc : 4.91g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 27 00:28:51 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

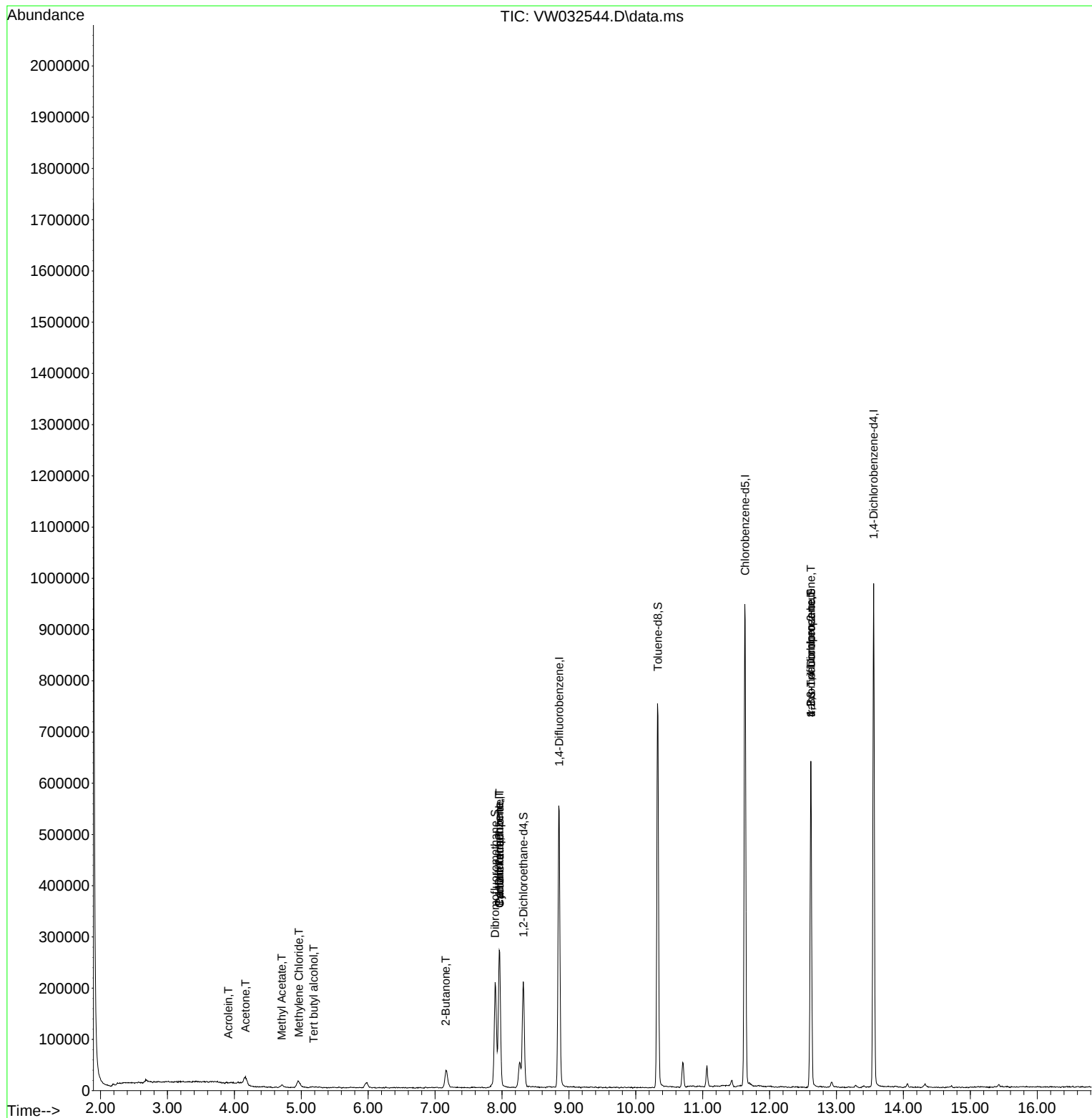
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 7.959          | 168  | 186816              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855          | 114  | 449736              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.635         | 117  | 514009              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 231134              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.319          | 65   | 168836              | 70.100 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 63 - 155 |      | Recovery = 140.200% |        |        |          |
| 35) Dibromofluoromethane      | 7.898          | 113  | 148492              | 55.147 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 134 |      | Recovery = 110.300% |        |        |          |
| 50) Toluene-d8                | 10.331         | 98   | 502185              | 48.614 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 123 |      | Recovery = 97.220%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.617         | 95   | 220623              | 56.537 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 17 - 146 |      | Recovery = 113.080% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 11) Tert butyl alcohol        | 5.185          | 59   | 1183                | 5.680  | ug/l # | 80       |
| 13) Acrolein                  | 3.911          | 56   | 363                 | 1.039  | ug/l # | 44       |
| 16) Acetone                   | 4.167          | 43   | 22319               | 30.974 | ug/l   | 99       |
| 18) Methyl Acetate            | 4.710          | 43   | 11065               | 6.201  | ug/l   | 98       |
| 20) Methylene Chloride        | 4.966          | 84   | 11185               | 4.340  | ug/l   | 90       |
| 25) 2-Butanone                | 7.160          | 43   | 1413                | 1.331  | ug/l # | 81       |
| 31) Cyclohexane               | 7.965          | 56   | 6197                | 1.555  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.959          | 75   | 17897               | 4.511  | ug/l # | 53       |
| 38) Carbon Tetrachloride      | 7.965          | 117  | 20340               | 5.770  | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.617         | 75   | 110932              | 35.003 | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.617         | 75   | 110932              | 80.172 | ug/l # | 11       |
| -----                         |                |      |                     |        |        |          |

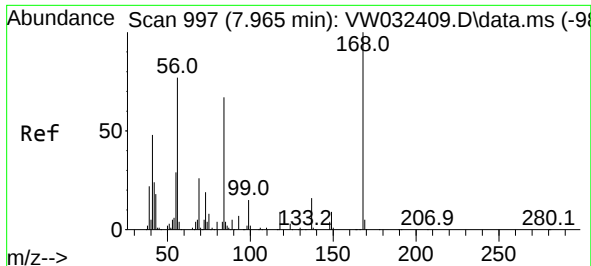
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW112625\  
Data File : VW032544.D  
Acq On : 26 Nov 2025 15:20  
Operator : SY/MD  
Sample : Q3719-05  
Misc : 4.91g/5mL/MSVOA\_W/SOIL/A  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Nov 27 00:28:51 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

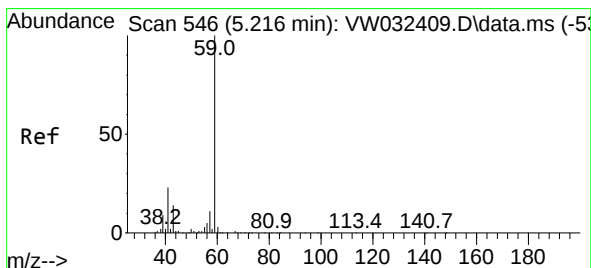
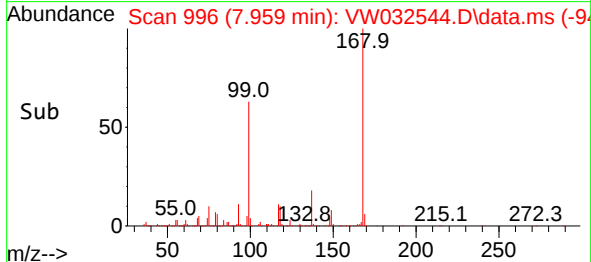
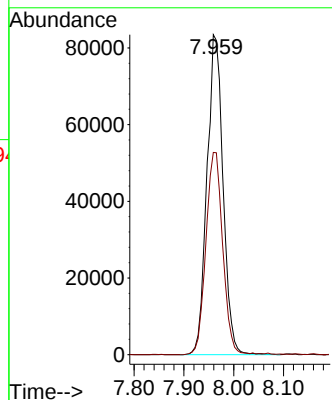
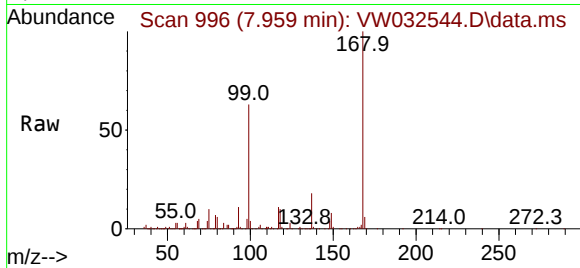




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

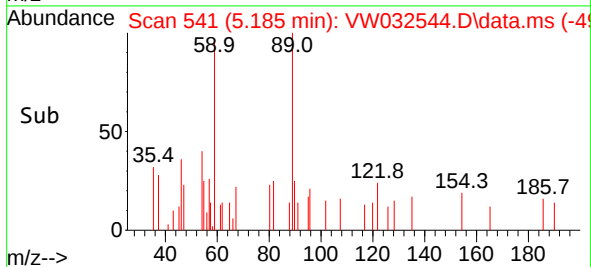
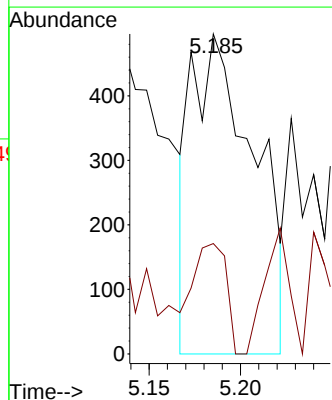
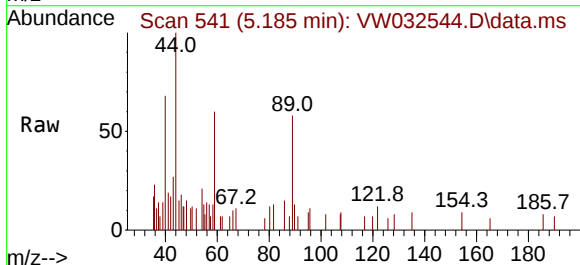
Instrument :  
MSVOA\_W  
ClientSampleId :

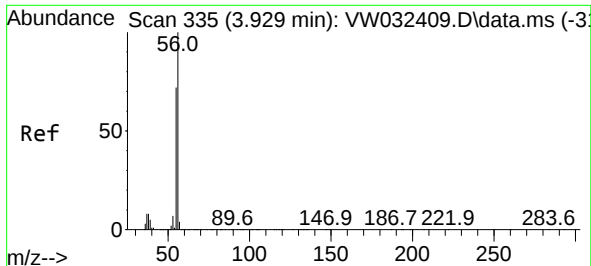
Tgt Ion:168 Resp: 186816  
Ion Ratio Lower Upper  
168 100  
99 63.2 45.4 68.2



#11  
Tert butyl alcohol  
Concen: 5.680 ug/l  
RT: 5.185 min Scan# 541  
Delta R.T. -0.031 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

Tgt Ion: 59 Resp: 1183  
Ion Ratio Lower Upper  
59 100  
57 18.2 8.6 12.8#

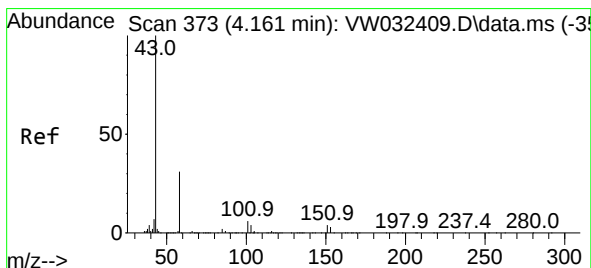
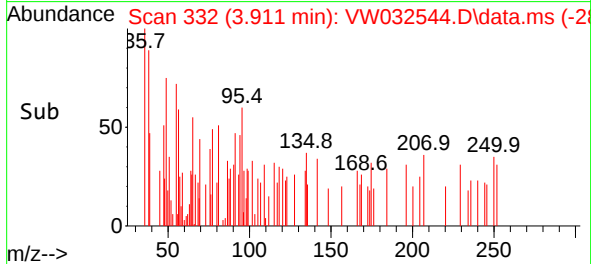
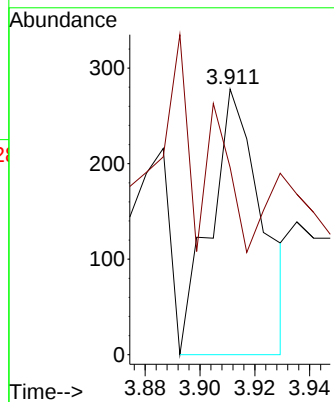
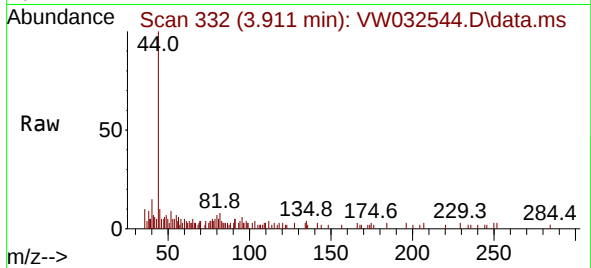




#13  
Acrolein  
Concen: 1.039 ug/l  
RT: 3.911 min Scan# 311  
Delta R.T. -0.018 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

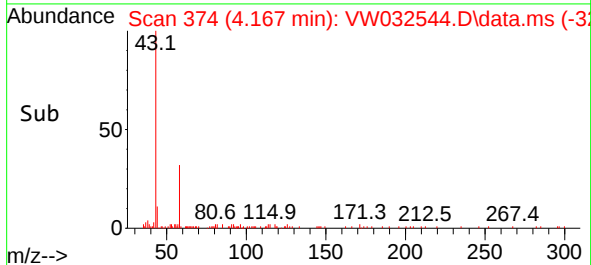
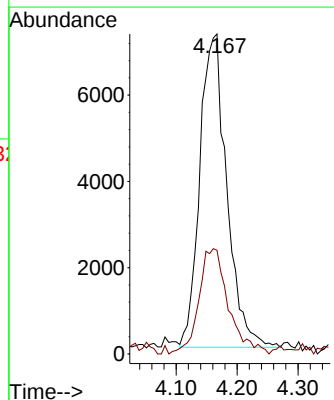
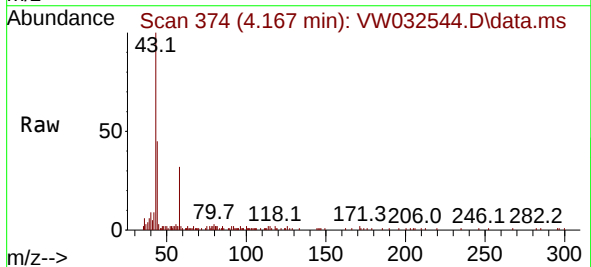
Instrument :  
MSVOA\_W  
ClientSampleId :

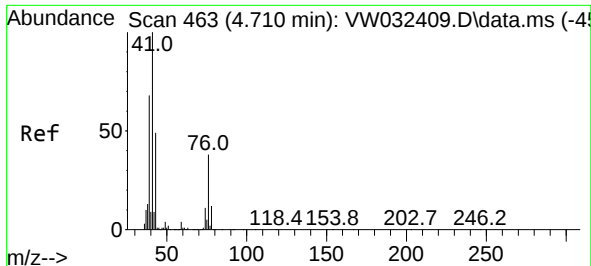
Tgt Ion: 56 Resp: 363  
Ion Ratio Lower Upper  
56 100  
55 24.5 56.3 84.5#



#16  
Acetone  
Concen: 30.974 ug/l  
RT: 4.167 min Scan# 374  
Delta R.T. 0.006 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

Tgt Ion: 43 Resp: 22319  
Ion Ratio Lower Upper  
43 100  
58 31.3 24.8 37.2

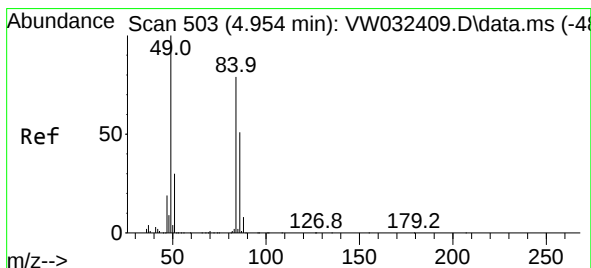
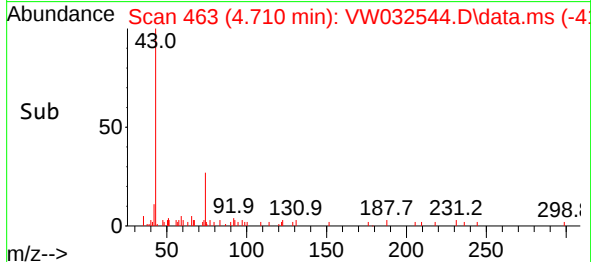
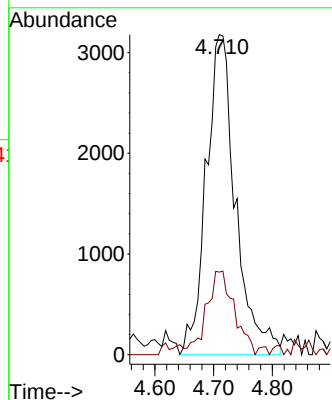
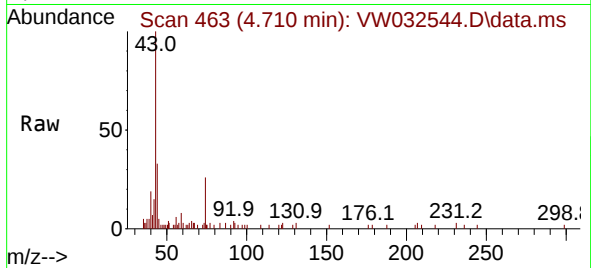




#18  
Methyl Acetate  
Concen: 6.201 ug/l  
RT: 4.710 min Scan# 410  
Delta R.T. -0.000 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

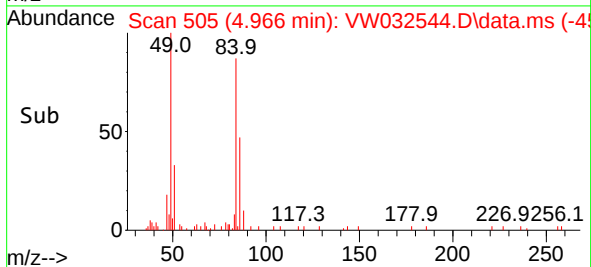
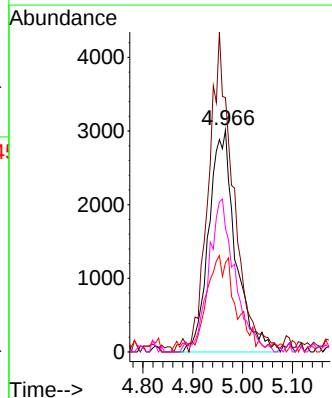
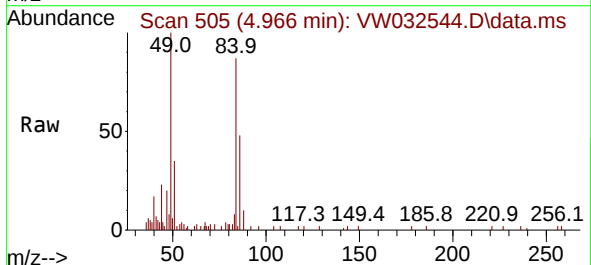
Instrument :  
MSVOA\_W  
ClientSampleId :

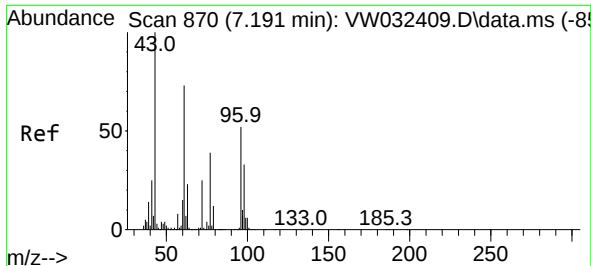
Tgt Ion: 43 Resp: 11065  
Ion Ratio Lower Upper  
43 100  
74 24.7 18.9 28.3



#20  
Methylene Chloride  
Concen: 4.340 ug/l  
RT: 4.966 min Scan# 505  
Delta R.T. 0.012 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

Tgt Ion: 84 Resp: 11185  
Ion Ratio Lower Upper  
84 100  
49 112.9 101.5 152.3  
51 38.0 30.6 46.0  
86 55.6 51.9 77.9

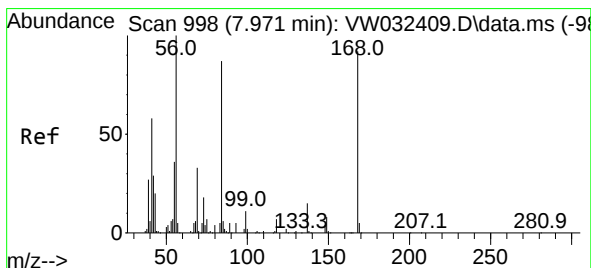
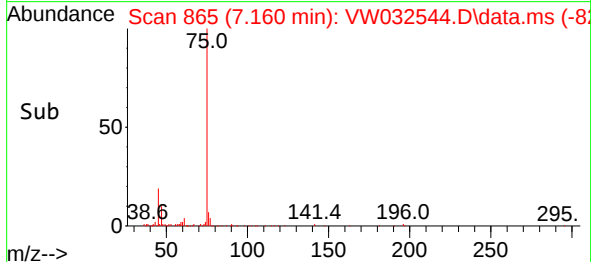
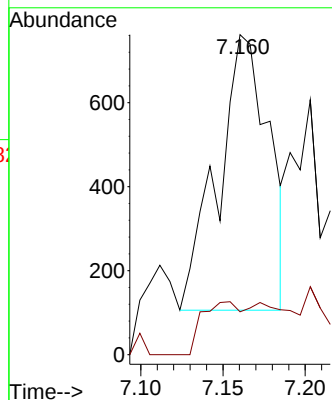
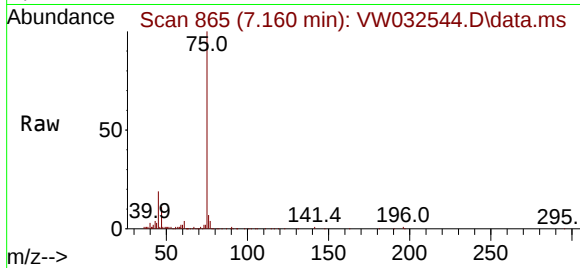




#25  
2-Butanone  
Concen: 1.331 ug/l  
RT: 7.160 min Scan# 81  
Delta R.T. -0.031 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

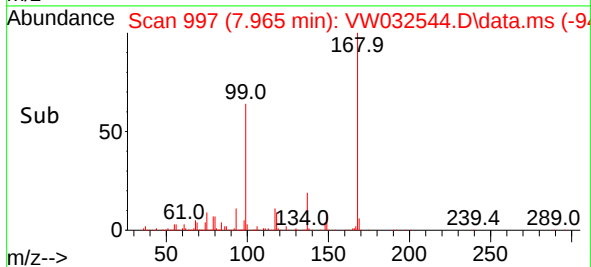
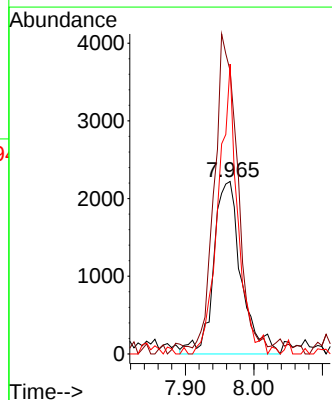
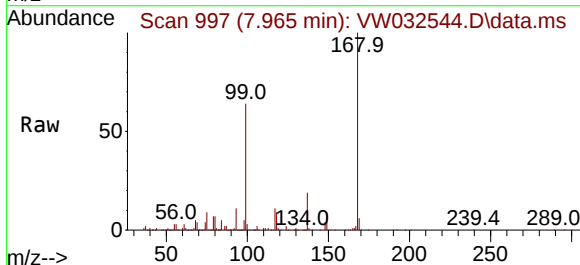
Instrument :  
MSVOA\_W  
ClientSampleId :

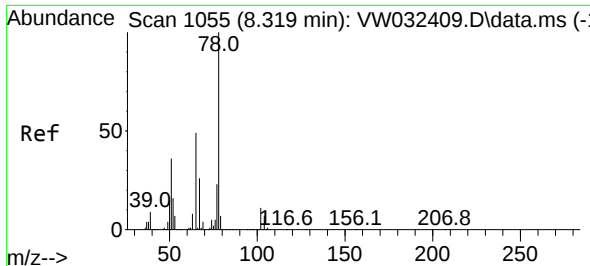
Tgt Ion: 43 Resp: 1413  
Ion Ratio Lower Upper  
43 100  
72 15.5 20.0 30.0#



#31  
Cyclohexane  
Concen: 1.555 ug/l  
RT: 7.965 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

Tgt Ion: 56 Resp: 6197  
Ion Ratio Lower Upper  
56 100  
69 158.7 26.5 39.7#  
84 168.1 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 70.100 ug/l

RT: 8.319 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VW032544.D

Acq: 26 Nov 2025 15:20

Instrument :

MSVOA\_W

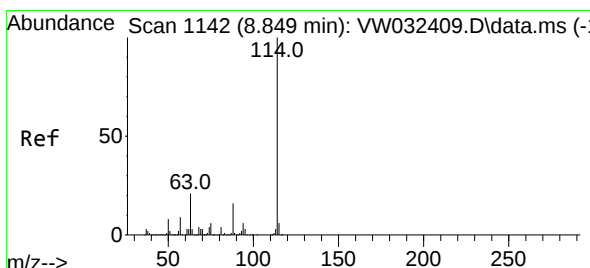
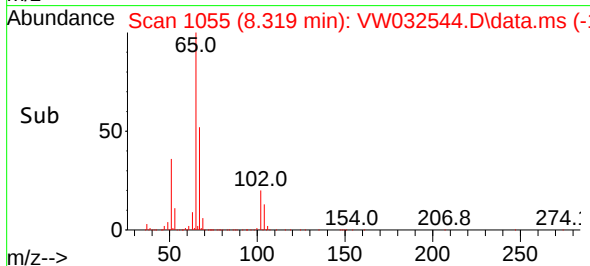
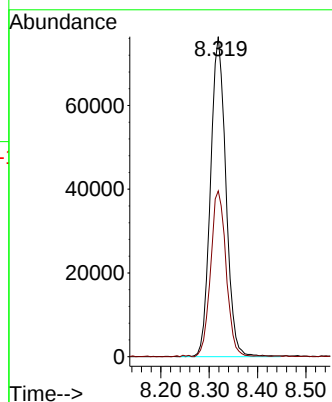
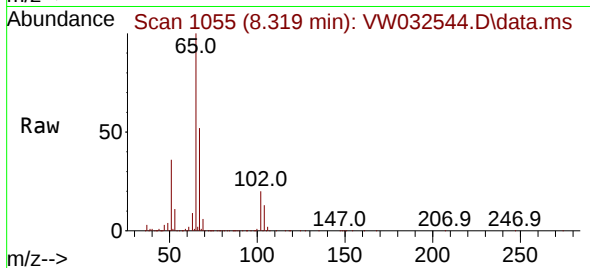
ClientSampleId :

Tgt Ion: 65 Resp: 168836

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032544.D

Acq: 26 Nov 2025 15:20

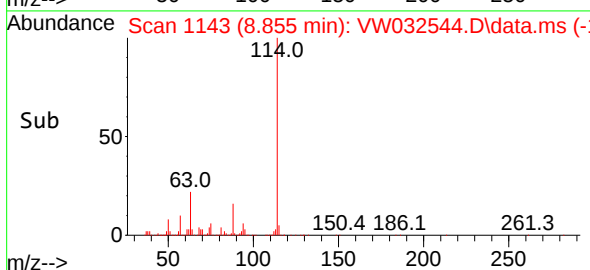
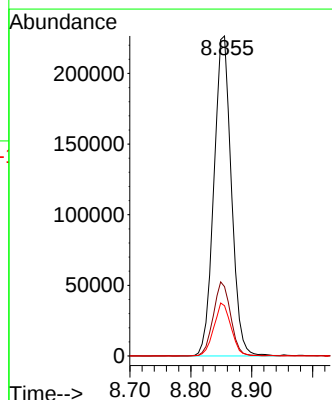
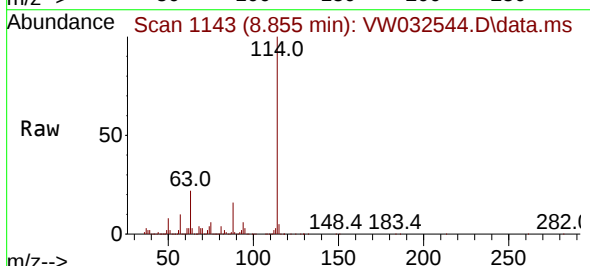
Tgt Ion: 114 Resp: 449736

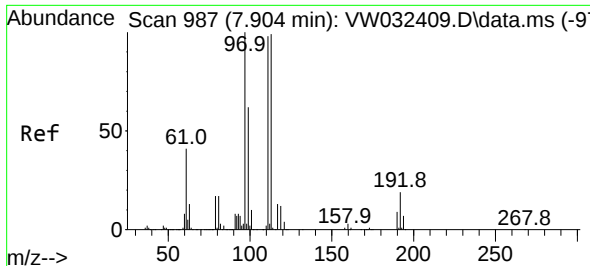
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 15.7 0.0 32.6

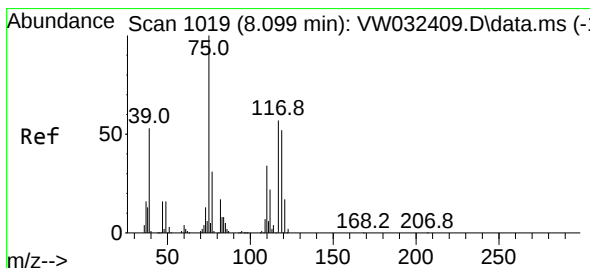
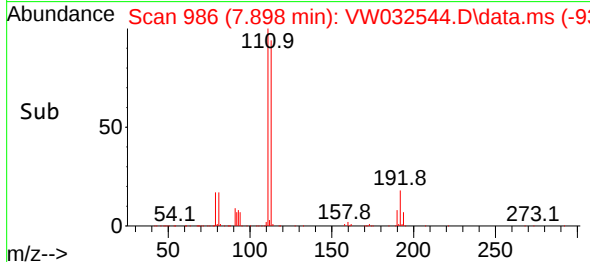
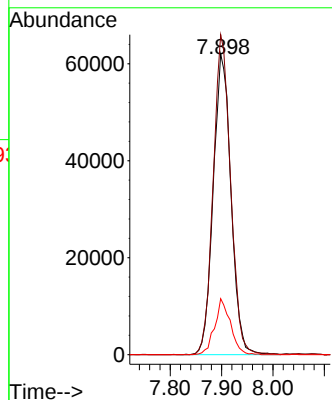
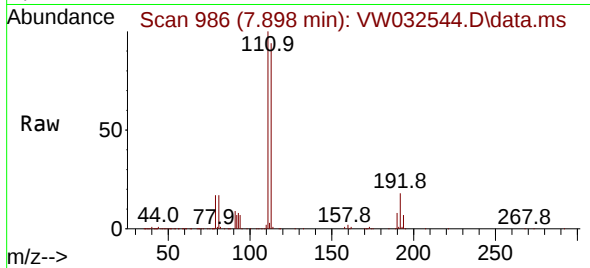




#35  
Dibromofluoromethane  
Concen: 55.147 ug/l  
RT: 7.898 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

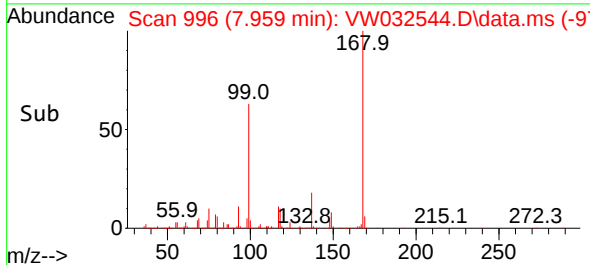
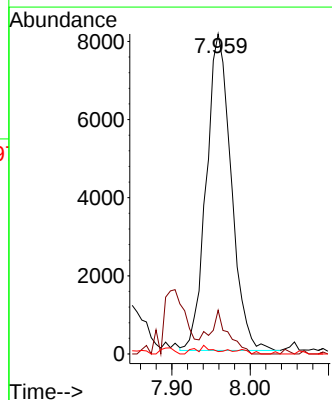
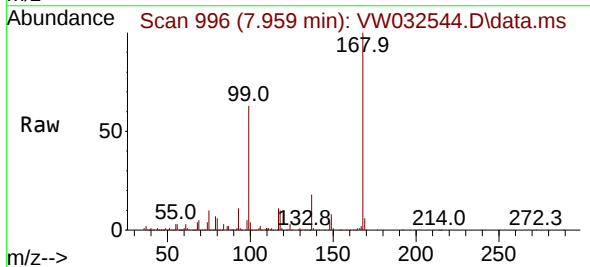
Instrument :  
MSVOA\_W  
ClientSampleId :

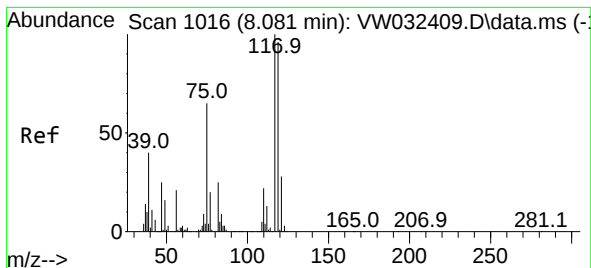
Tgt Ion:113 Resp: 148492  
Ion Ratio Lower Upper  
113 100  
111 104.6 83.1 124.7  
192 16.7 13.4 20.2



#36  
1,1-Dichloropropene  
Concen: 4.511 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.140 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

Tgt Ion: 75 Resp: 17897  
Ion Ratio Lower Upper  
75 100  
110 10.1 17.2 51.5#  
77 1.6 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.770 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032544.D

Acq: 26 Nov 2025 15:20

Instrument :

MSVOA\_W

ClientSampleId :

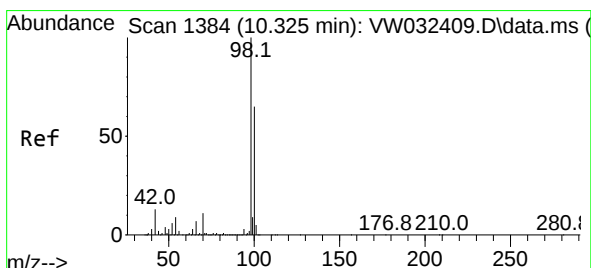
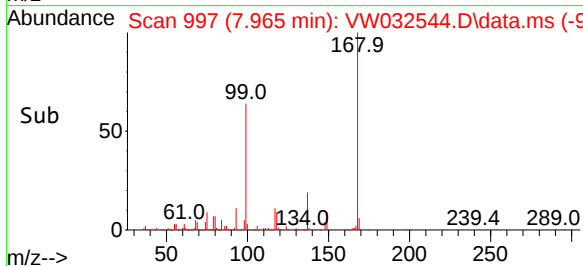
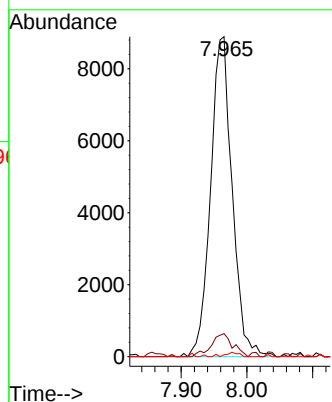
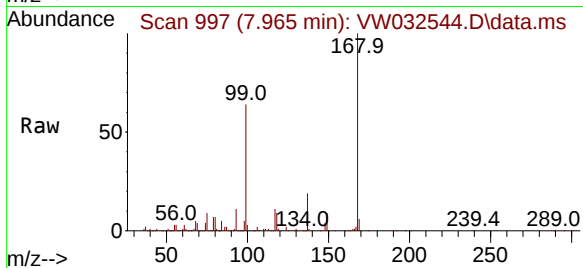
Tgt Ion:117 Resp: 20340

Ion Ratio Lower Upper

117 100

119 7.2 77.0 115.4#

121 0.6 22.0 33.0#



#50

Toluene-d8

Concen: 48.614 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032544.D

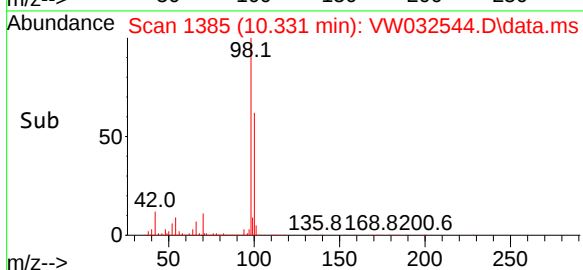
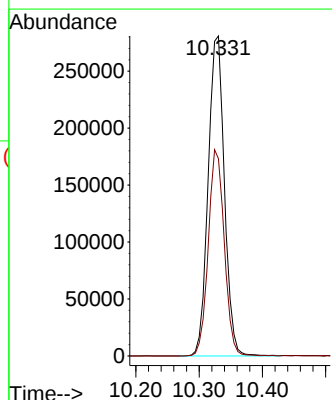
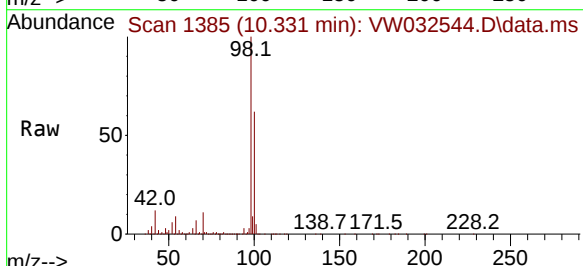
Acq: 26 Nov 2025 15:20

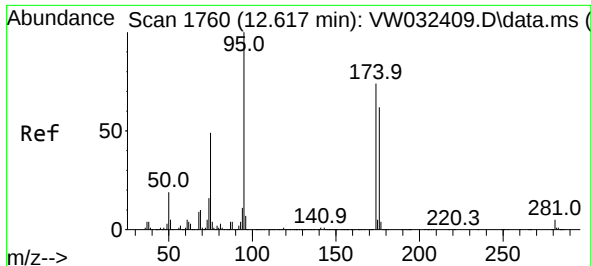
Tgt Ion: 98 Resp: 502185

Ion Ratio Lower Upper

98 100

100 63.5 53.3 79.9

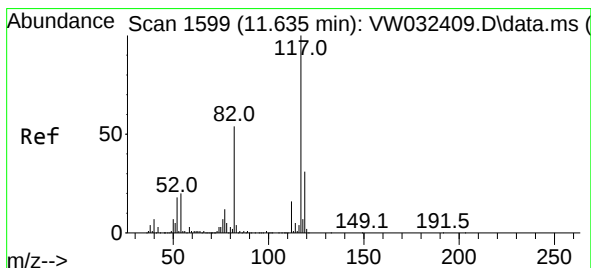
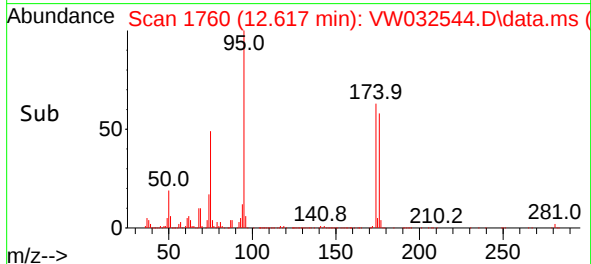
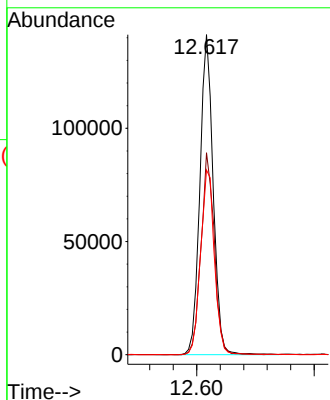
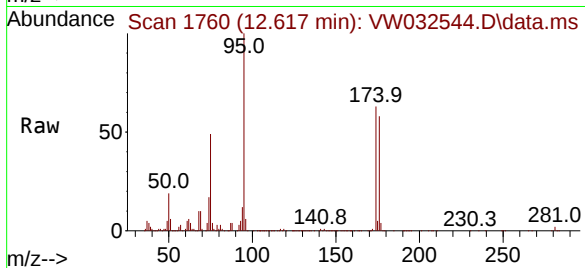




#62  
4-Bromofluorobenzene  
Concen: 56.537 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

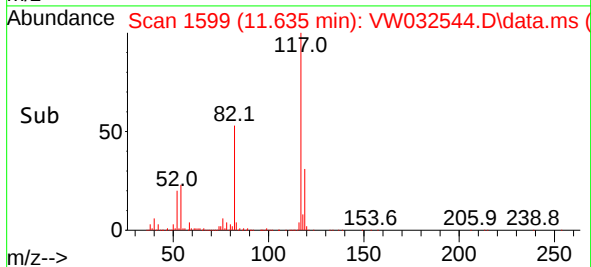
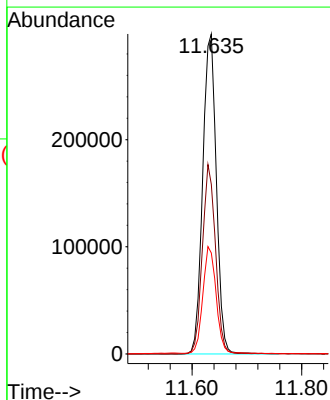
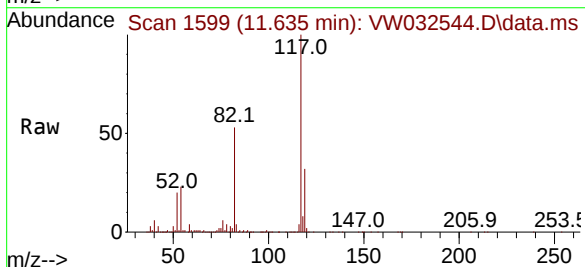
Instrument :  
MSVOA\_W  
ClientSampleId :

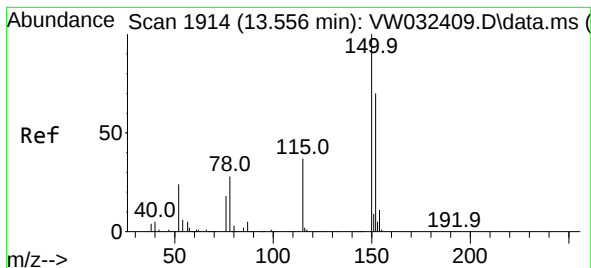
Tgt Ion: 95 Resp: 220623  
Ion Ratio Lower Upper  
95 100  
174 63.8 0.0 135.4  
176 60.4 0.0 131.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.635 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: VW032544.D  
Acq: 26 Nov 2025 15:20

Tgt Ion: 117 Resp: 514009  
Ion Ratio Lower Upper  
117 100  
82 53.0 43.0 64.4  
119 31.5 25.0 37.6

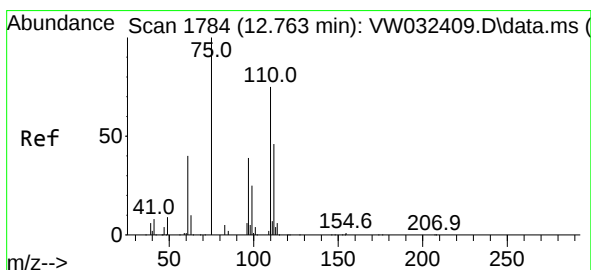
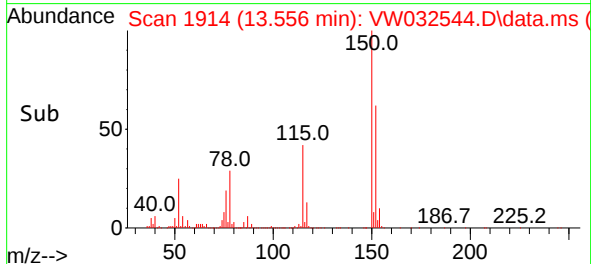
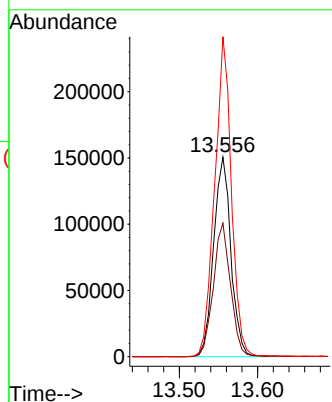
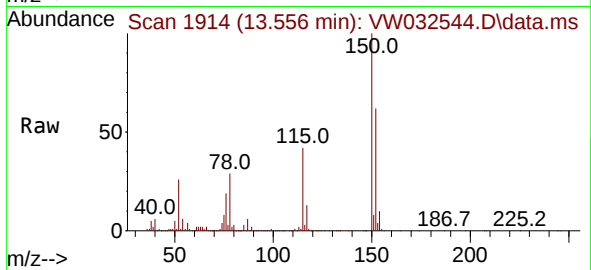




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.556 min Scan# 1914  
 Delta R.T. -0.000 min  
 Lab File: VW032544.D  
 Acq: 26 Nov 2025 15:20

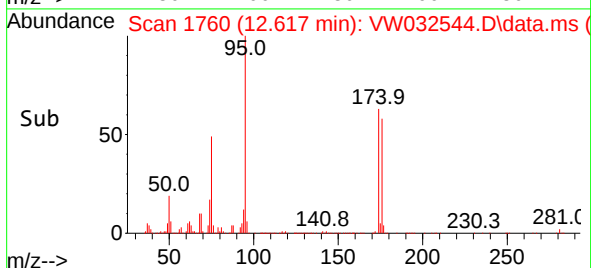
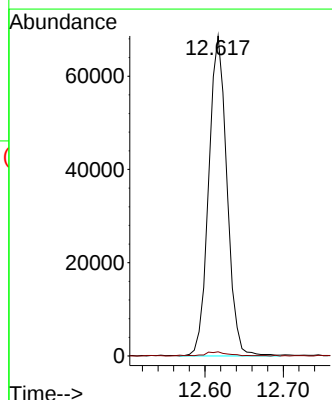
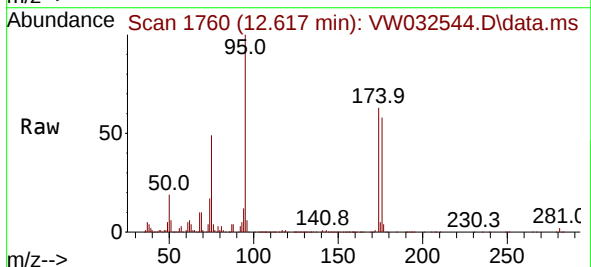
Instrument :  
 MSVOA\_W  
 ClientSampleId :

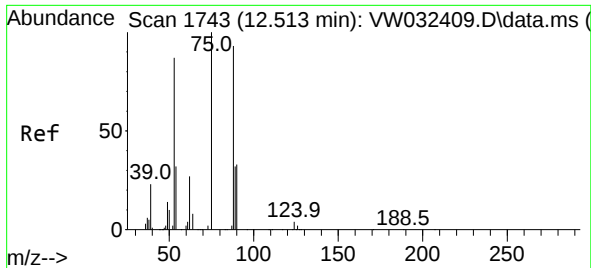
Tgt Ion:152 Resp: 231134  
 Ion Ratio Lower Upper  
 152 100  
 115 66.4 32.8 98.3  
 150 155.6 0.0 356.6



#76  
 1,2,3-Trichloropropane  
 Concen: 35.003 ug/l  
 RT: 12.617 min Scan# 1760  
 Delta R.T. -0.146 min  
 Lab File: VW032544.D  
 Acq: 26 Nov 2025 15:20

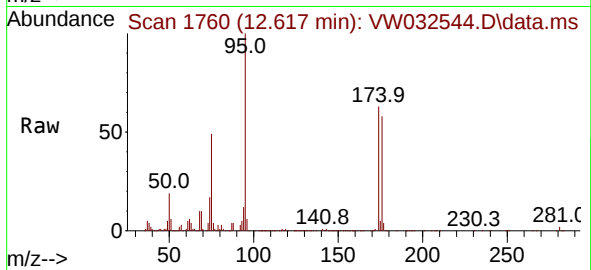
Tgt Ion: 75 Resp: 110932  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 151.6 454.8#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 80.172 ug/l  
 RT: 12.617 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VW032544.D  
 Acq: 26 Nov 2025 15:20

Instrument :  
 MSVOA\_W  
 ClientSampleId :



Tgt Ion: 75 Resp: 110932  
 Ion Ratio Lower Upper  
 75 100  
 53 0.7 77.8 116.8#  
 89 0.0 35.6 53.4#

