

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100925\  
 Data File : VX048084.D  
 Acq On : 09 Oct 2025 14:20  
 Operator : JC/MD  
 Sample : Q3311-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2S

Quant Time: Oct 10 01:24:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 17 06:39:58 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 141458   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.751  | 114  | 285694   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 303599   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 152199   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 119761   | 53.188   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 106.380% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 96388    | 50.306   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 100.620% |
| 50) Toluene-d8              | 8.635  | 98    | 329788   | 49.743   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 99.480%  |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 146430   | 58.196   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 116.400% |

| Target Compounds           |        |     |        |        |      | Qvalue |
|----------------------------|--------|-----|--------|--------|------|--------|
| 4) Vinyl Chloride          | 1.380  | 62  | 695    | 0.369  | ug/l | 95     |
| 25) 2-Butanone             | 4.562  | 43  | 5757   | 4.714  | ug/l | 95     |
| 27) cis-1,2-Dichloroethene | 4.483  | 96  | 21123  | 9.532  | ug/l | 91     |
| 31) Cyclohexane            | 5.458  | 56  | 24169  | 8.123  | ug/l | 95     |
| 40) Benzene                | 6.031  | 78  | 6425   | 0.756  | ug/l | 91     |
| 44) Trichloroethene        | 7.117  | 130 | 13233  | 6.437  | ug/l | 95     |
| 64) Tetrachloroethene      | 9.256  | 164 | 159570 | 80.626 | ug/l | 99     |
| 73) Isopropylbenzene       | 10.945 | 105 | 109954 | 9.502  | ug/l | 98     |
| 83) tert-Butylbenzene      | 11.695 | 119 | 3850   | 0.396  | ug/l | 75     |
| 85) sec-Butylbenzene       | 11.872 | 105 | 10747  | 0.930  | ug/l | 99     |

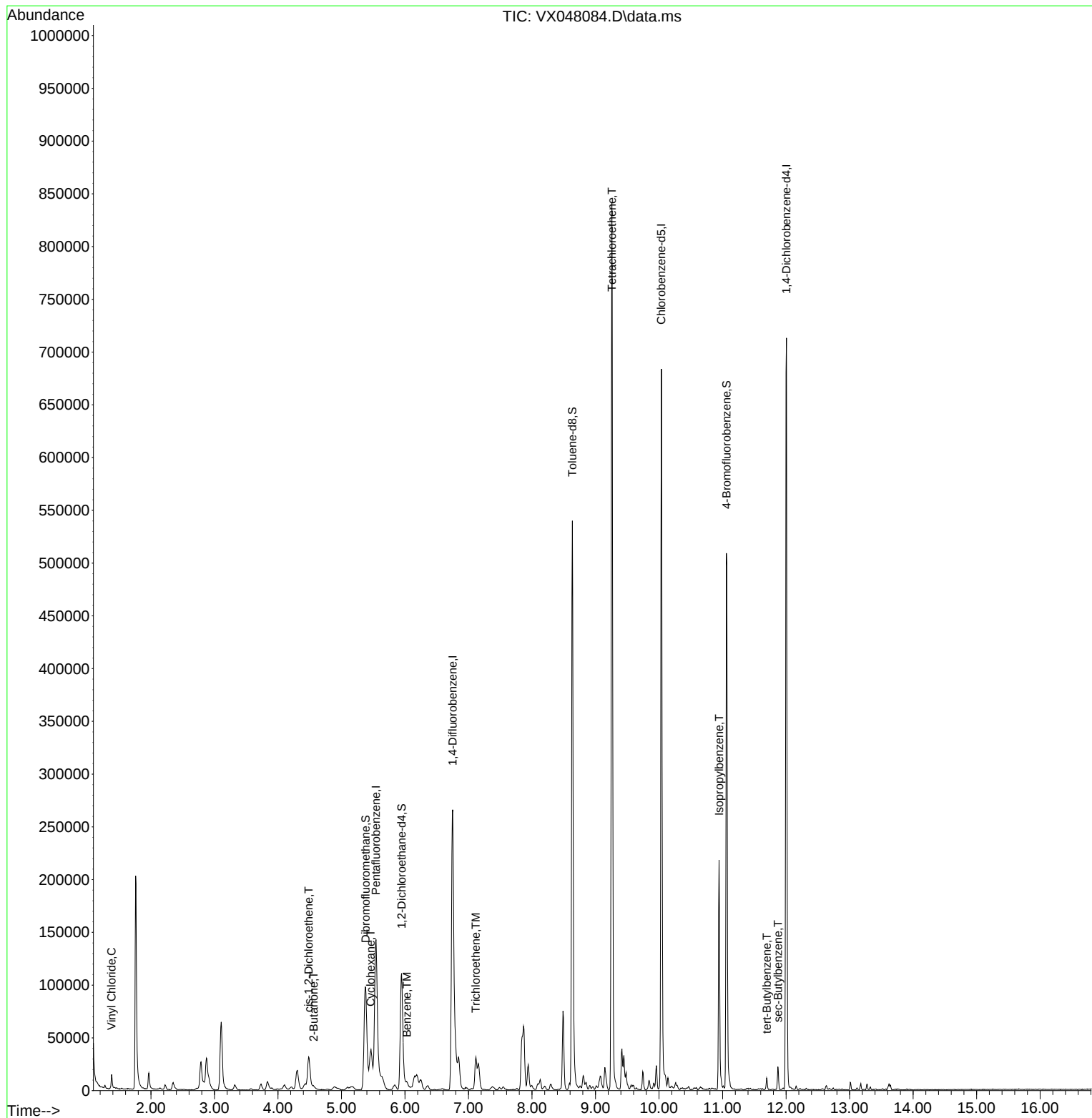
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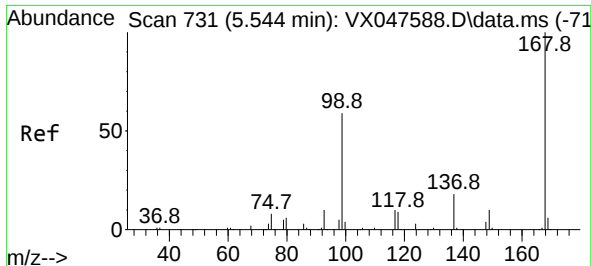
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
MW-2S

Quant Time: Oct 10 01:24:38 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 17 06:39:58 2025  
Response via : Initial Calibration

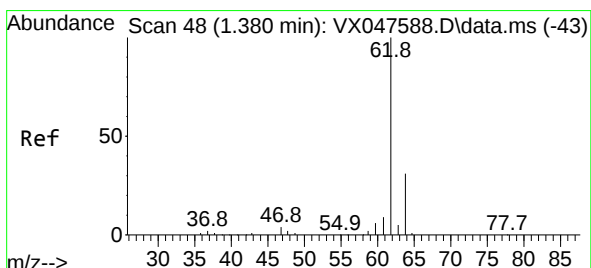
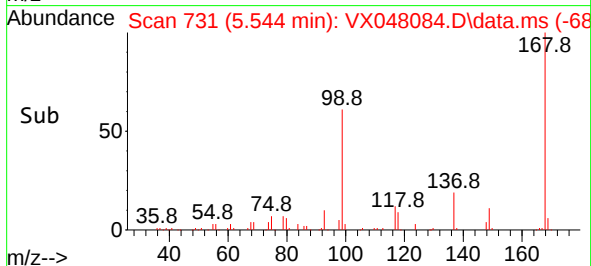
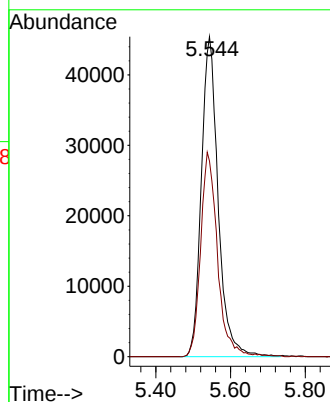
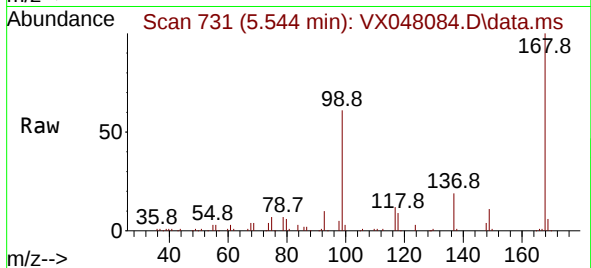




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

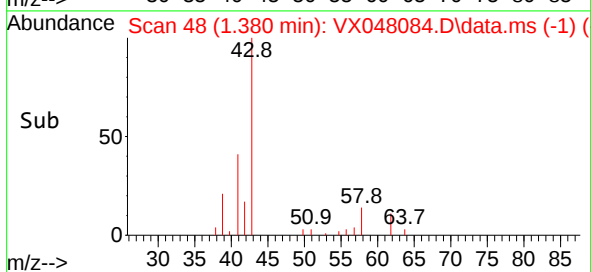
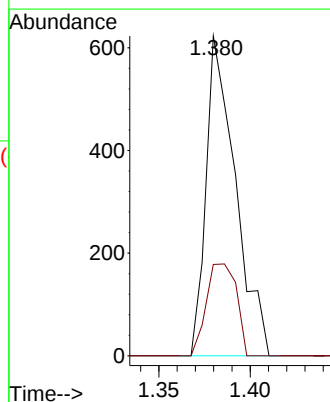
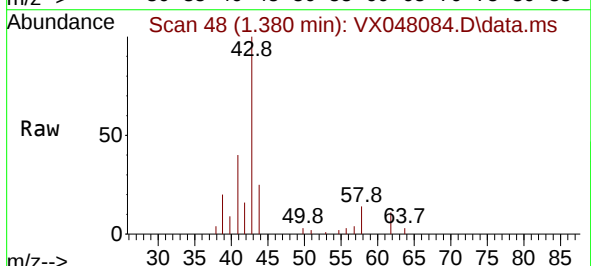
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2S

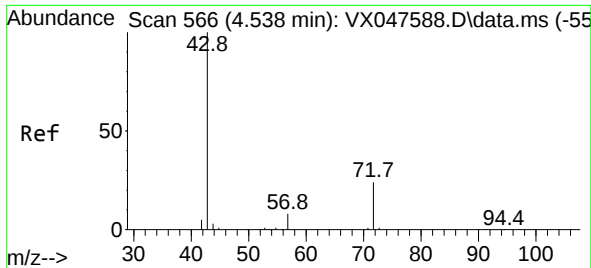
Tgt Ion:168 Resp: 141458  
Ion Ratio Lower Upper  
168 100  
99 61.1 48.8 73.2



#4  
Vinyl Chloride  
Concen: 0.369 ug/l  
RT: 1.380 min Scan# 48  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

Tgt Ion: 62 Resp: 695  
Ion Ratio Lower Upper  
62 100  
64 28.6 24.9 37.3

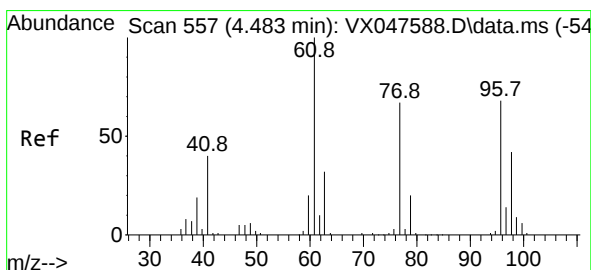
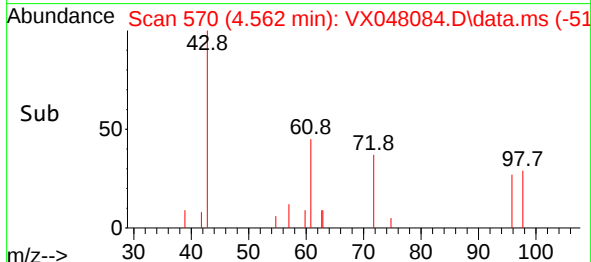
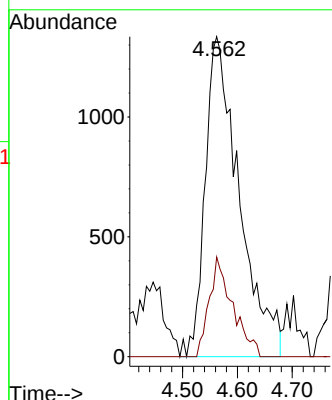
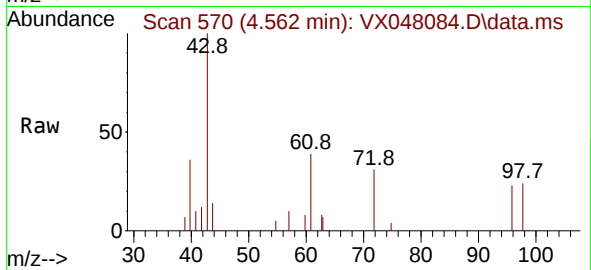




#25  
2-Butanone  
Concen: 4.714 ug/l  
RT: 4.562 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

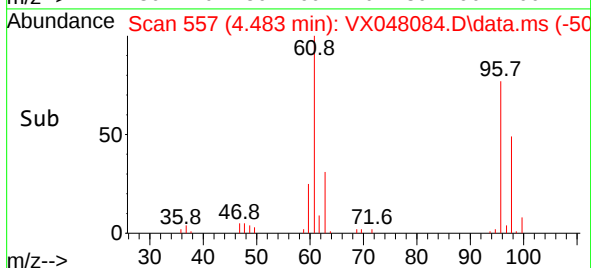
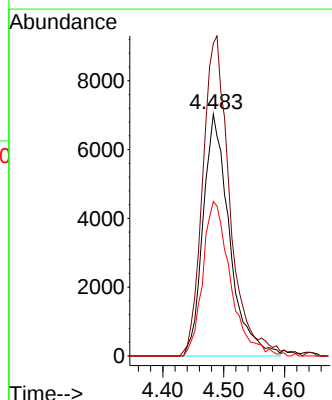
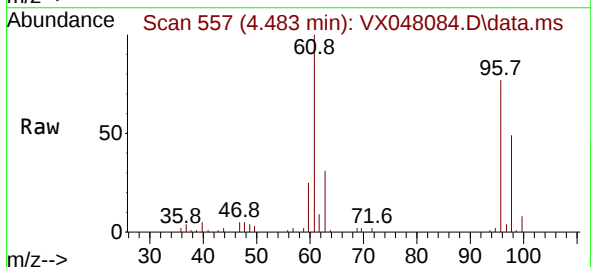
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2S

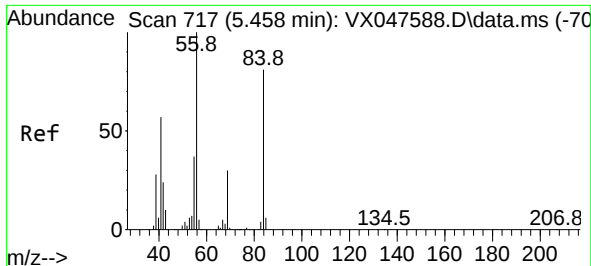
Tgt Ion: 43 Resp: 5757  
Ion Ratio Lower Upper  
43 100  
72 27.4 20.1 30.1



#27  
cis-1,2-Dichloroethene  
Concen: 9.532 ug/l  
RT: 4.483 min Scan# 557  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

Tgt Ion: 96 Resp: 21123  
Ion Ratio Lower Upper  
96 100  
61 136.9 0.0 303.2  
98 67.2 0.0 127.8

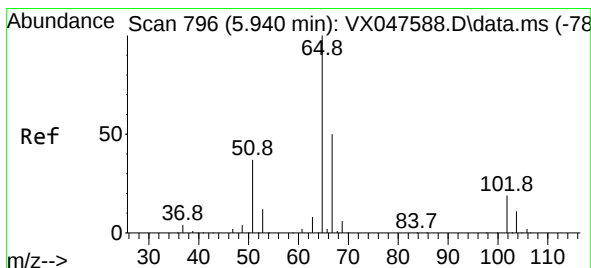
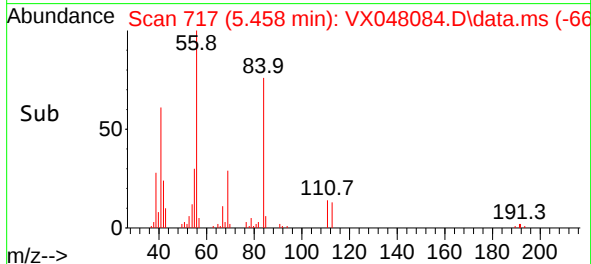
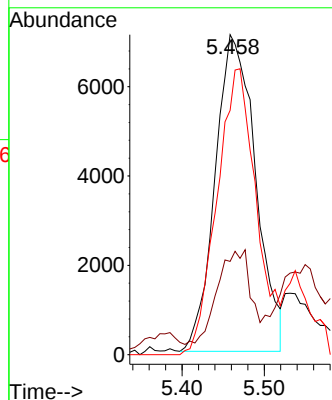
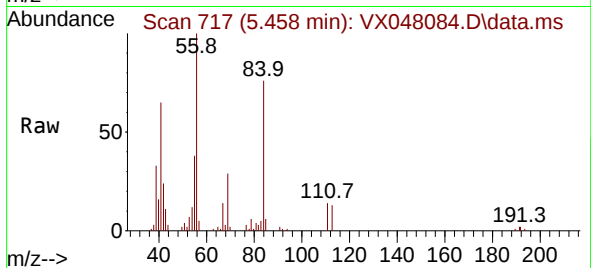




#31  
Cyclohexane  
Concen: 8.123 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

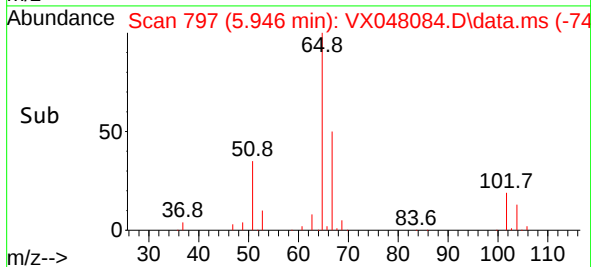
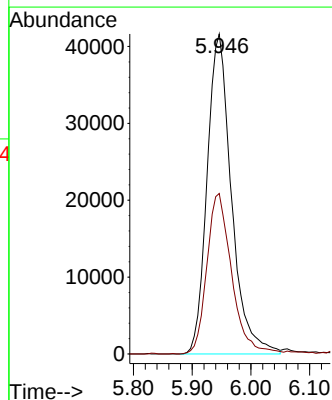
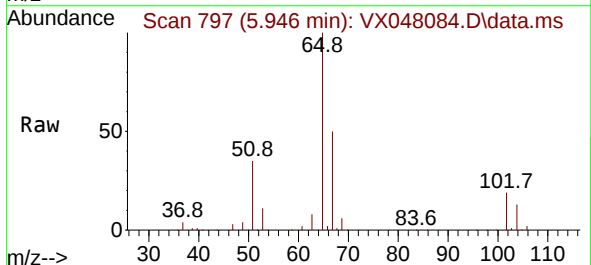
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2S

Tgt Ion: 56 Resp: 24169  
Ion Ratio Lower Upper  
56 100  
69 25.6 23.8 35.8  
84 77.2 64.6 97.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.188 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. 0.006 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

Tgt Ion: 65 Resp: 119761  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 103.0

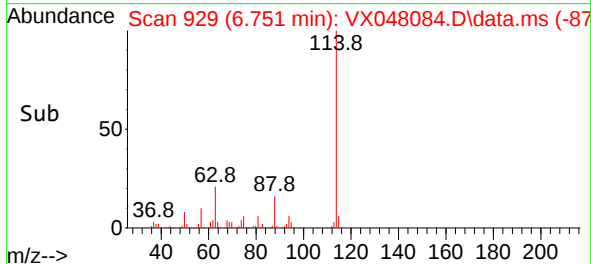
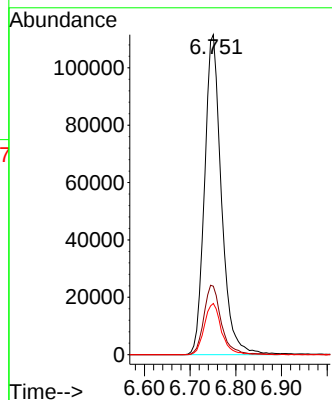
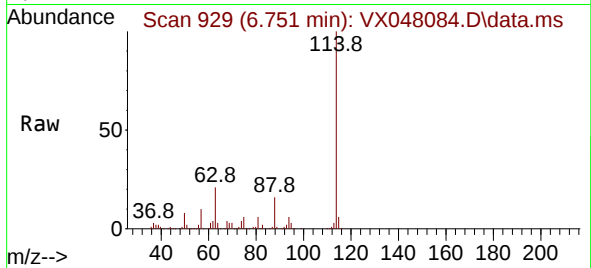




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.751 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

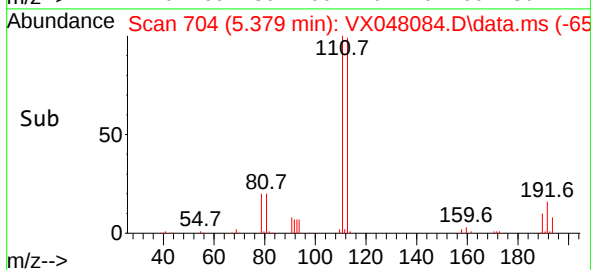
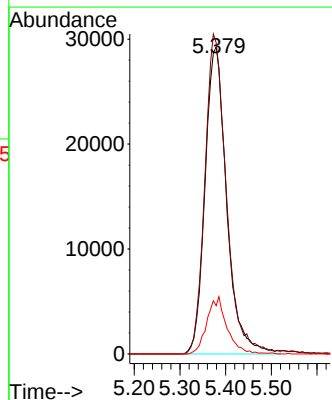
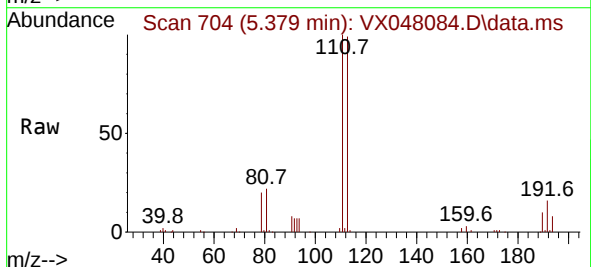
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2S

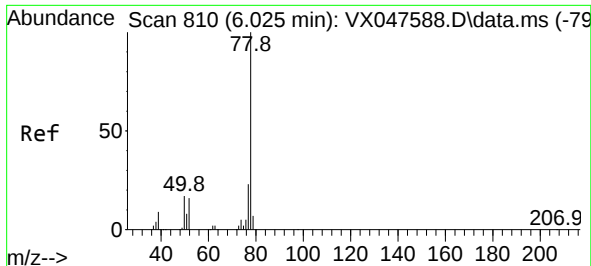
Tgt Ion:114 Resp: 285694  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 44.0  
88 16.0 0.0 34.2



#35  
Dibromofluoromethane  
Concen: 50.306 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

Tgt Ion:113 Resp: 96388  
Ion Ratio Lower Upper  
113 100  
111 102.9 80.9 121.3  
192 17.2 14.2 21.4





#40

Benzene

Concen: 0.756 ug/l

RT: 6.031 min Scan# 810

Delta R.T. 0.006 min

Lab File: VX048084.D

Acq: 09 Oct 2025 14:20

Instrument :

MSVOA\_X

ClientSampleId :

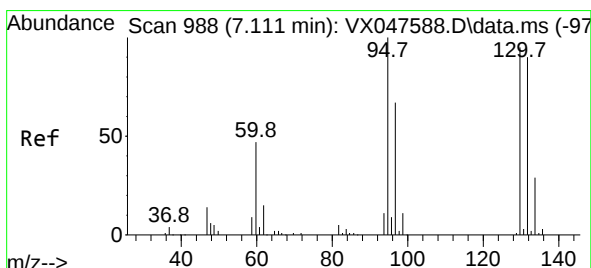
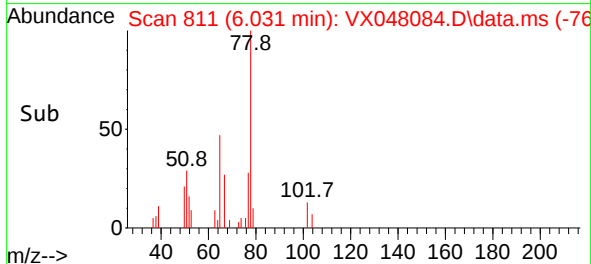
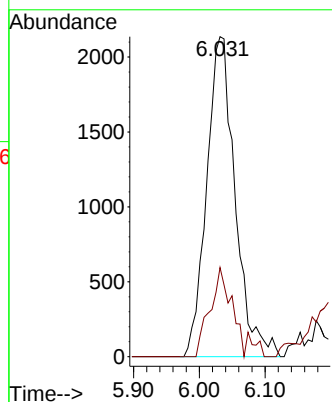
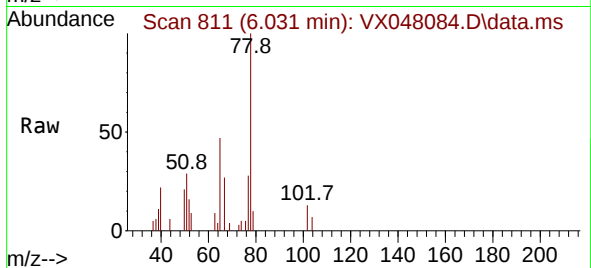
MW-2S

Tgt Ion: 78 Resp: 6425

Ion Ratio Lower Upper

78 100

77 27.9 18.8 28.2



#44

Trichloroethene

Concen: 6.437 ug/l

RT: 7.117 min Scan# 989

Delta R.T. 0.006 min

Lab File: VX048084.D

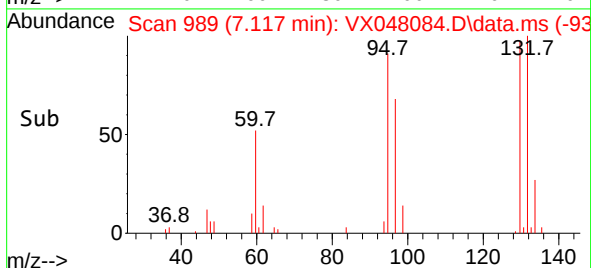
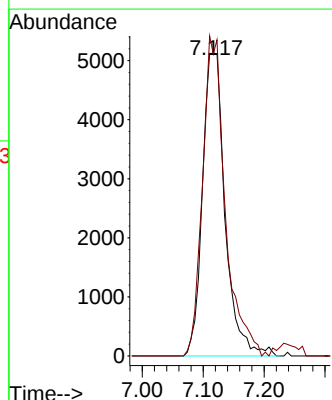
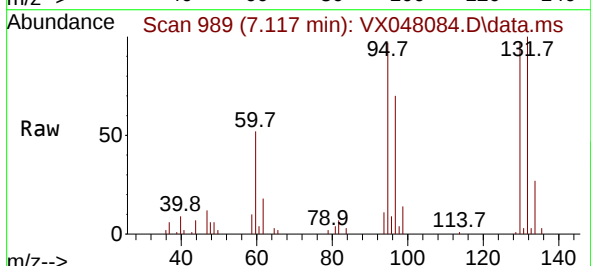
Acq: 09 Oct 2025 14:20

Tgt Ion:130 Resp: 13233

Ion Ratio Lower Upper

130 100

95 99.8 0.0 210.8

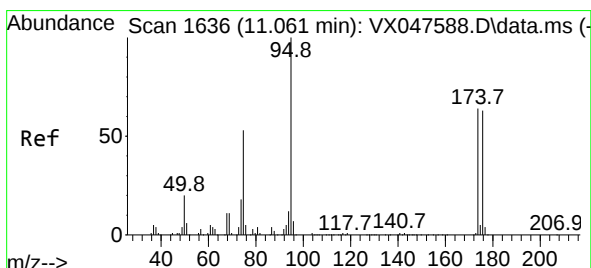
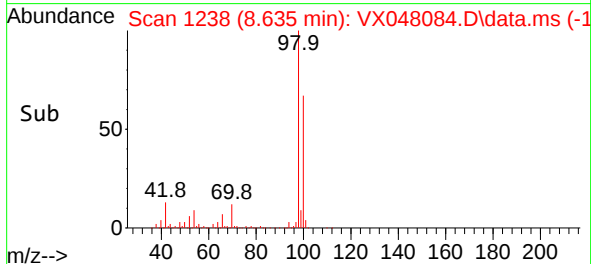
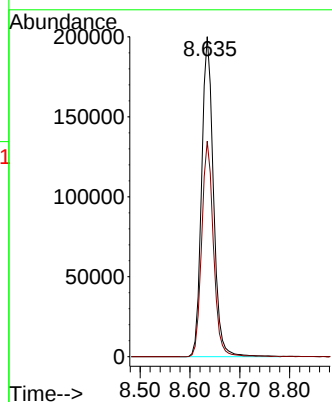
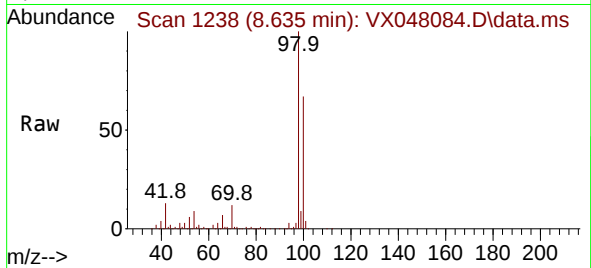




#50  
Toluene-d8  
Concen: 49.743 ug/l  
RT: 8.635 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

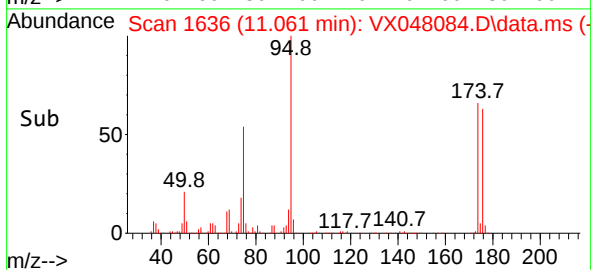
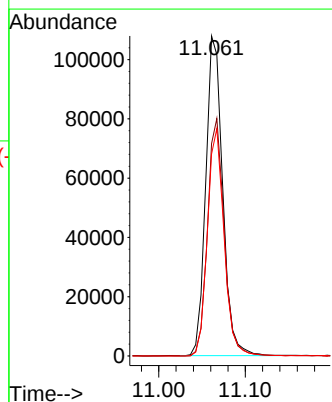
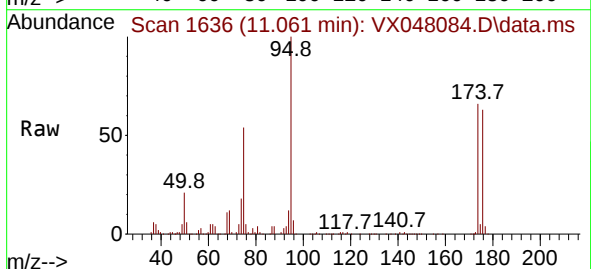
Instrument :  
MSVOA\_X  
ClientSampleId :  
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Tgt Ion: 98 Resp: 329788  
Ion Ratio Lower Upper  
98 100  
100 66.8 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 58.196 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

Tgt Ion: 95 Resp: 146430  
Ion Ratio Lower Upper  
95 100  
174 73.3 0.0 141.6  
176 70.1 0.0 138.4

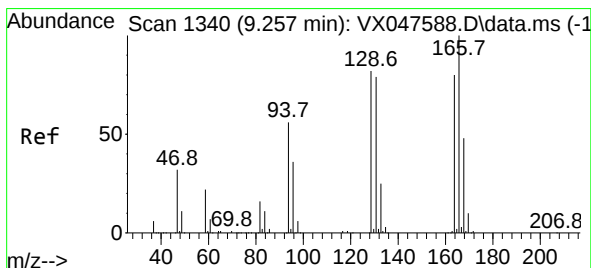
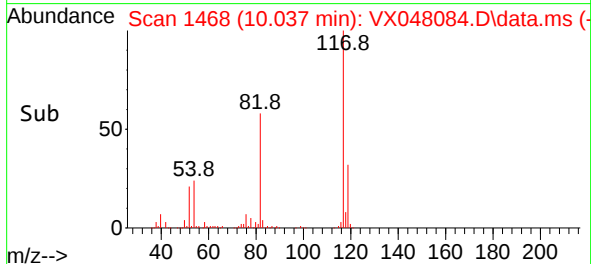
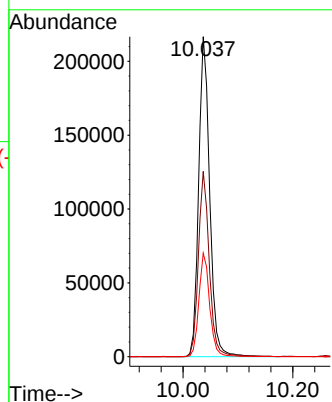
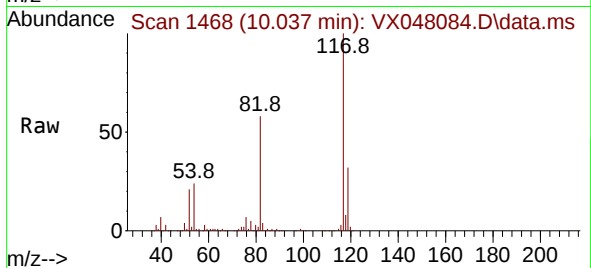




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

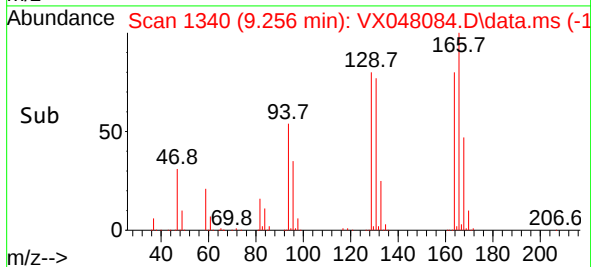
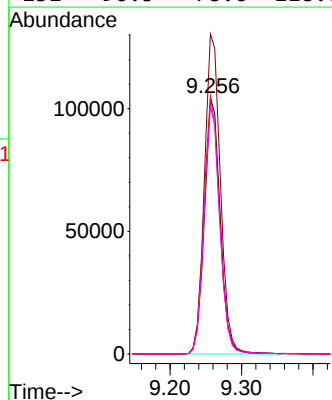
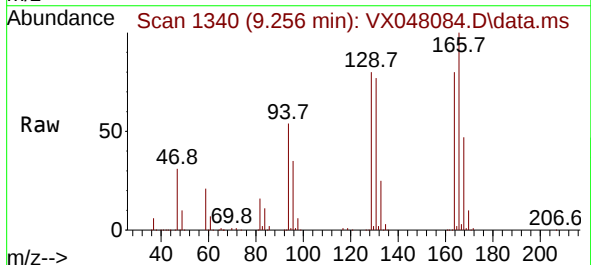
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2S

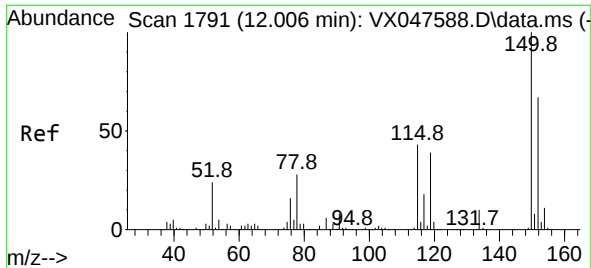
Tgt Ion:117 Resp: 303599  
Ion Ratio Lower Upper  
117 100  
82 57.9 47.8 71.6  
119 32.3 25.2 37.8



#64  
Tetrachloroethene  
Concen: 80.626 ug/l  
RT: 9.256 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

Tgt Ion:164 Resp: 159570  
Ion Ratio Lower Upper  
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166 124.8 100.2 150.2  
129 100.4 81.8 122.6  
131 96.5 78.6 118.0

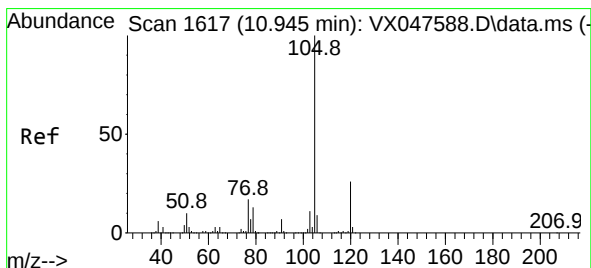
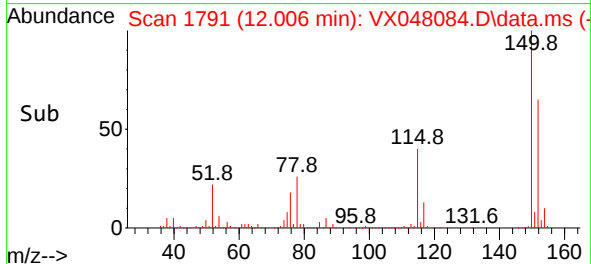
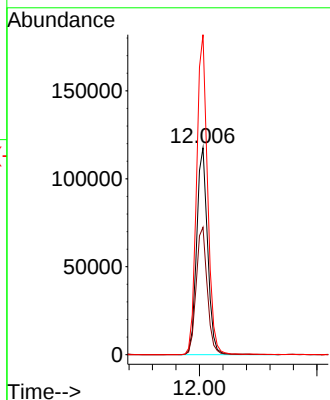
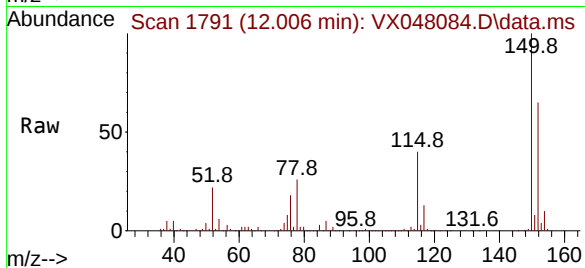




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

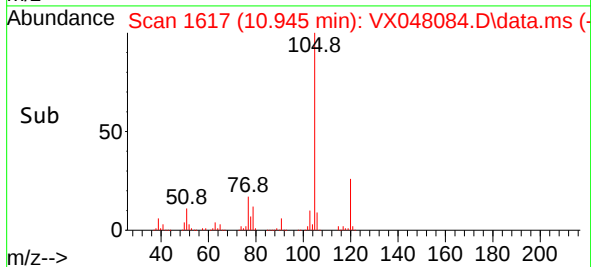
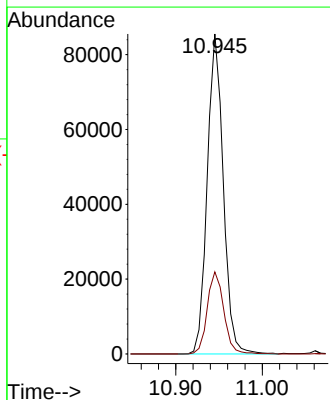
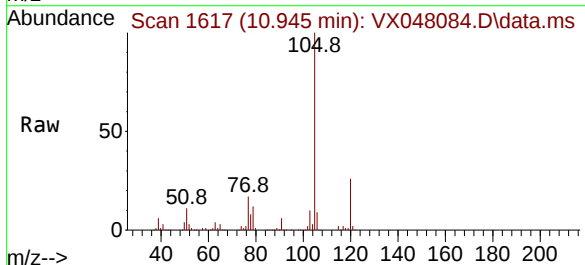
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2S

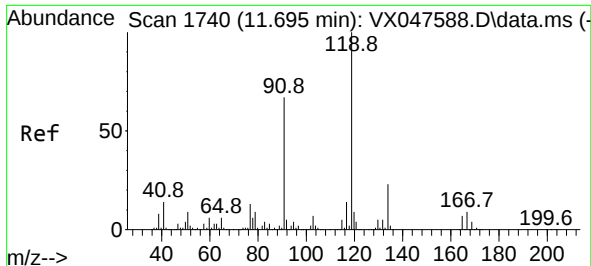
Tgt Ion:152 Resp: 152199  
Ion Ratio Lower Upper  
152 100  
115 62.6 44.9 134.5  
150 155.2 0.0 352.0



#73  
Isopropylbenzene  
Concen: 9.502 ug/l  
RT: 10.945 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

Tgt Ion:105 Resp: 109954  
Ion Ratio Lower Upper  
105 100  
120 26.5 12.8 38.4

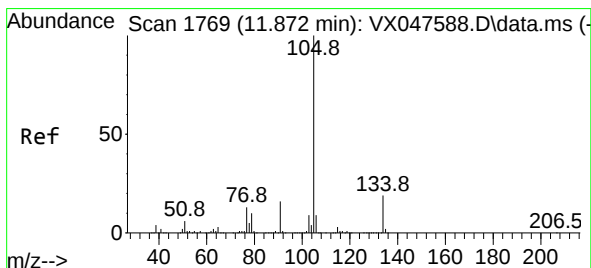
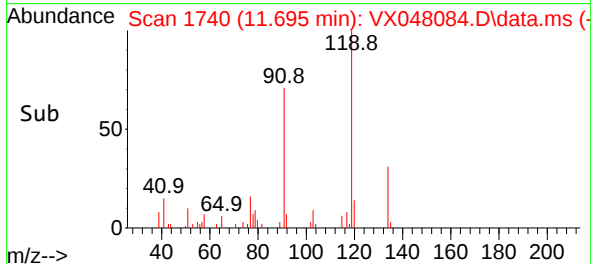
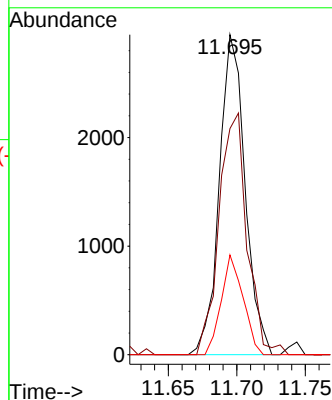
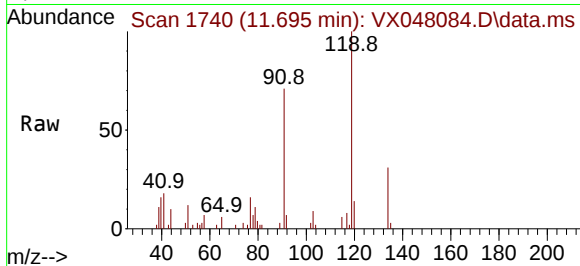




#83  
tert-Butylbenzene  
Concen: 0.396 ug/l  
RT: 11.695 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2S

Tgt Ion:119 Resp: 3850  
Ion Ratio Lower Upper  
119 100  
91 82.2 29.6 88.8  
134 26.4 11.0 33.0



#85  
sec-Butylbenzene  
Concen: 0.930 ug/l  
RT: 11.872 min Scan# 1769  
Delta R.T. -0.000 min  
Lab File: VX048084.D  
Acq: 09 Oct 2025 14:20

Tgt Ion:105 Resp: 10747  
Ion Ratio Lower Upper  
105 100  
134 19.1 9.8 29.5

