

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040325\  
 Data File : VX045565.D  
 Acq On : 03 Apr 2025 12:54  
 Operator : JC/MD  
 Sample : Q1711-04 200X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-17B-55-040225

Quant Time: Apr 04 01:20:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 2025  
 Response via : Initial Calibration

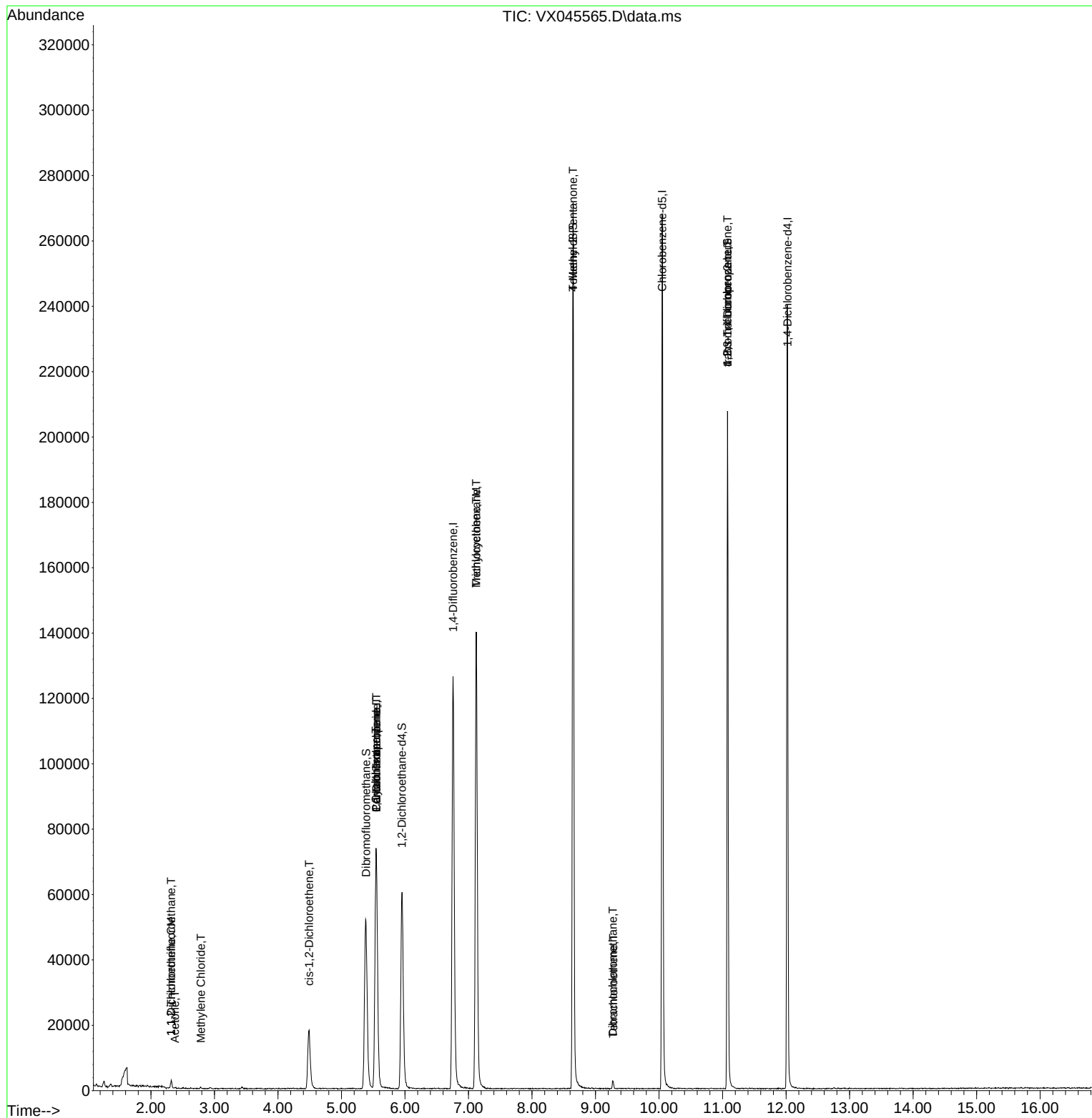
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 62513    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 120973   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 111910   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 43251    | 50.000   | ug/l       | 0.00     |
|                               |        |       |          |          |            |          |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 61054    | 53.406   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 106.820% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 44834    | 52.236   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 104.480% |          |
| 50) Toluene-d8                | 8.647  | 98    | 154556   | 51.591   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 103.180% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 53684    | 49.196   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | = 98.400%  |          |
|                               |        |       |          |          |            |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo...  | 2.319  | 101   | 750      | 0.977    | ug/l       | 94       |
| 12) 1,1-Dichloroethene        | 2.319  | 96    | 178      | 0.237    | ug/l #     | 25       |
| 16) Acetone                   | 2.380  | 43    | 299      | 0.637    | ug/l #     | 47       |
| 20) Methylene Chloride        | 2.788  | 84    | 208      | 0.237    | ug/l #     | 59       |
| 27) cis-1,2-Dichloroethene    | 4.489  | 96    | 10876    | 11.643   | ug/l       | 90       |
| 31) Cyclohexane               | 5.544  | 56    | 1987     | 1.417    | ug/l #     | 47       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 6361     | 5.489    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 7041     | 5.622    | ug/l #     | 16       |
| 39) Methylcyclohexane         | 7.123  | 83    | 702      | 0.494    | ug/l #     | 1        |
| 44) Trichloroethene           | 7.123  | 130   | 49801    | 59.199   | ug/l       | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 824      | 0.562    | ug/l #     | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 462      | 0.497    | ug/l #     | 10       |
| 64) Tetrachloroethene         | 9.281  | 164   | 428      | 0.542    | ug/l #     | 69       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 32110    | 30.436   | ug/l #     | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 32110    | 103.297  | ug/l #     | 1        |
| -----                         |        |       |          |          |            |          |

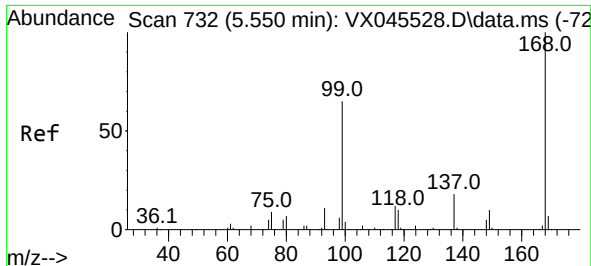
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040325\  
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Sample : Q1711-04 200X  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17B-55-040225

Quant Time: Apr 04 01:20:36 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 2025  
Response via : Initial Calibration

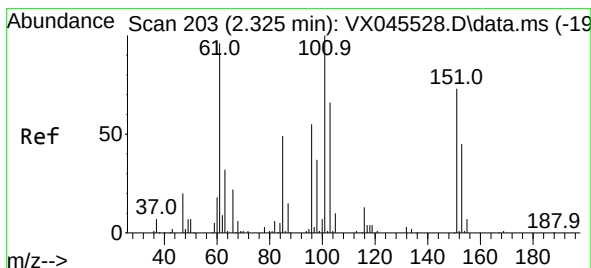
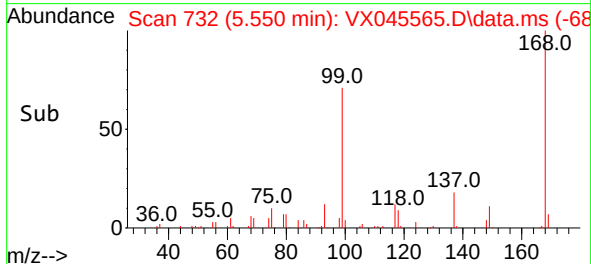
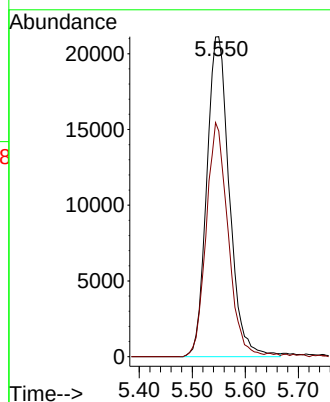
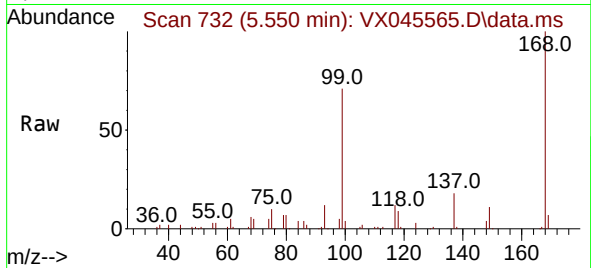




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

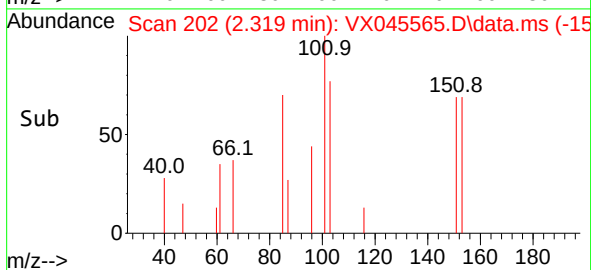
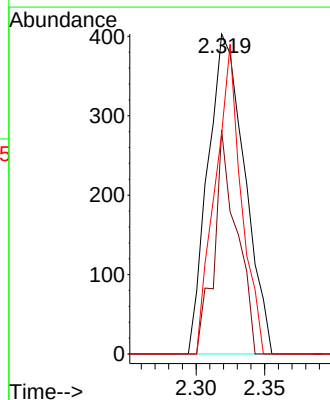
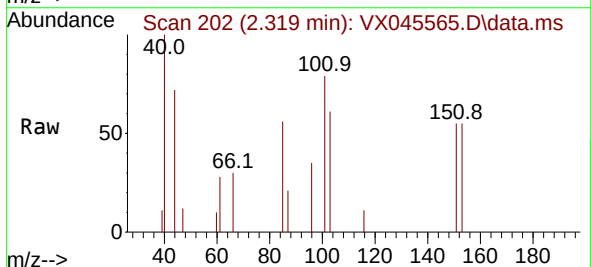
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17B-55-040225

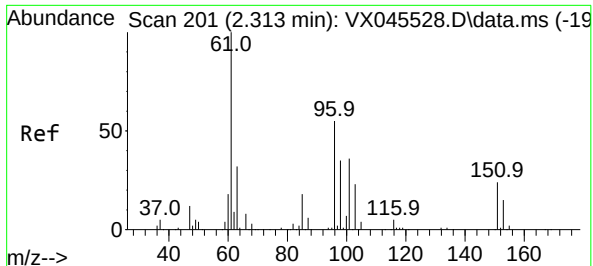
Tgt Ion:168 Resp: 62513  
Ion Ratio Lower Upper  
168 100  
99 70.5 52.3 78.5



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.977 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. -0.006 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

Tgt Ion:101 Resp: 750  
Ion Ratio Lower Upper  
101 100  
85 42.9 38.9 58.3  
151 68.8 57.5 86.3





#12

1,1-Dichloroethene

Concen: 0.237 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045565.D

Acq: 03 Apr 2025 12:54

Instrument :

MSVOA\_X

ClientSampleId :

MW-17B-55-040225

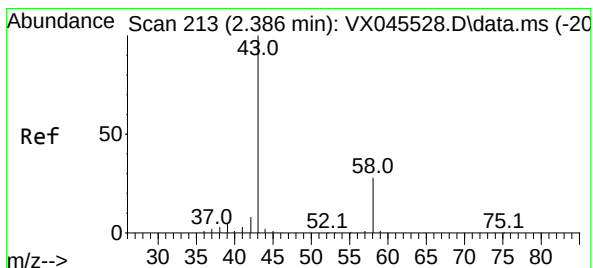
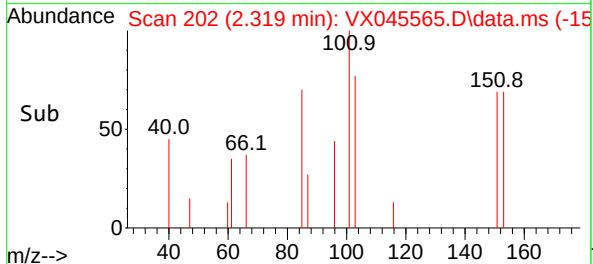
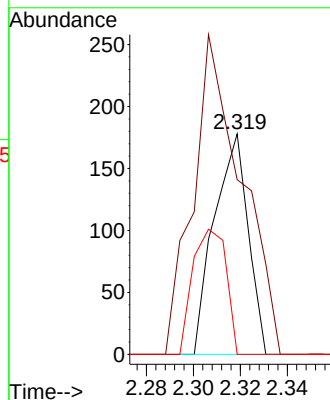
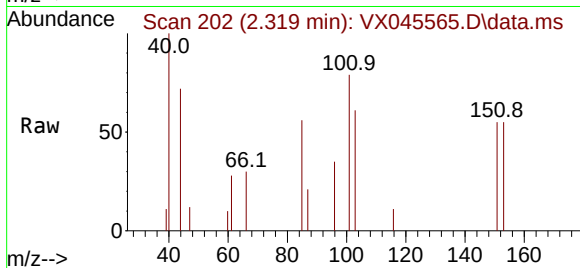
Tgt Ion: 96 Resp: 178

Ion Ratio Lower Upper

96 100

61 79.2 145.7 218.5#

98 0.0 51.6 77.4#



#16

Acetone

Concen: 0.637 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045565.D

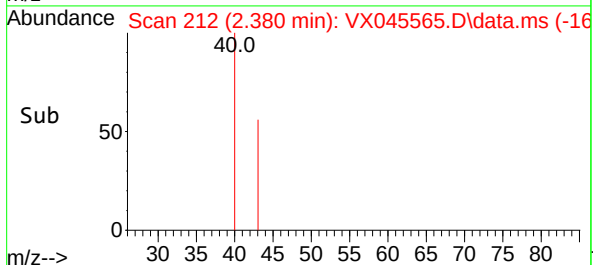
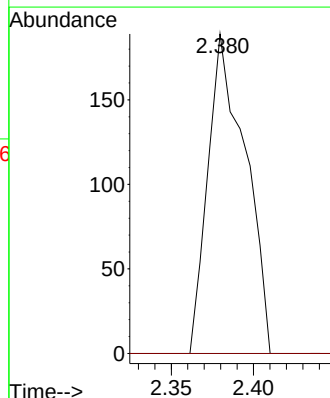
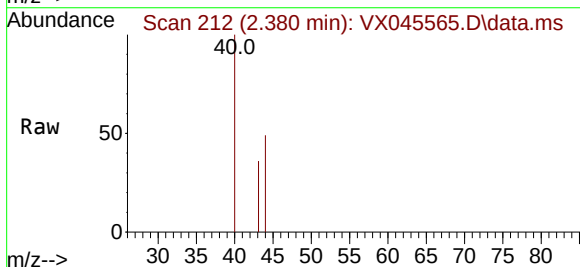
Acq: 03 Apr 2025 12:54

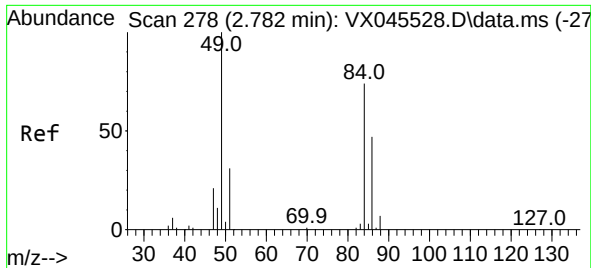
Tgt Ion: 43 Resp: 299

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#

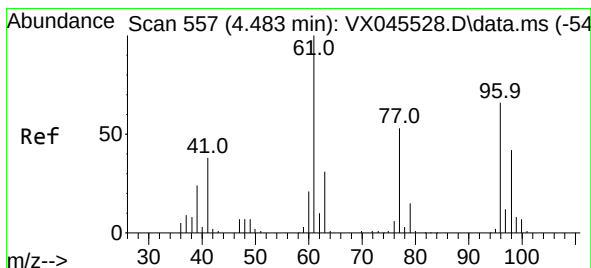
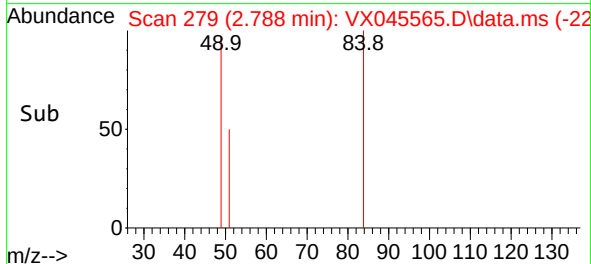
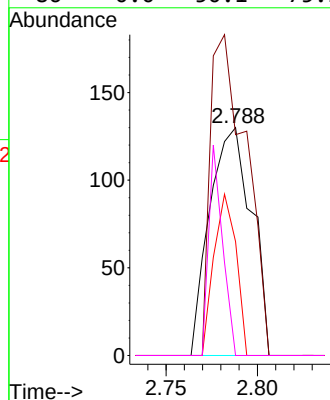
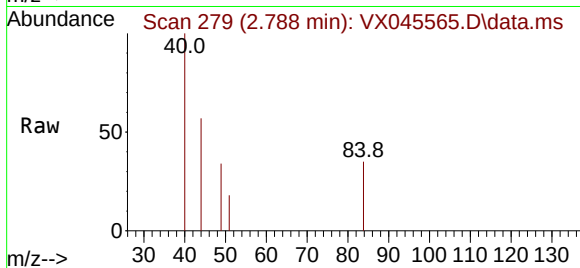




#20  
Methylene Chloride  
Concen: 0.237 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

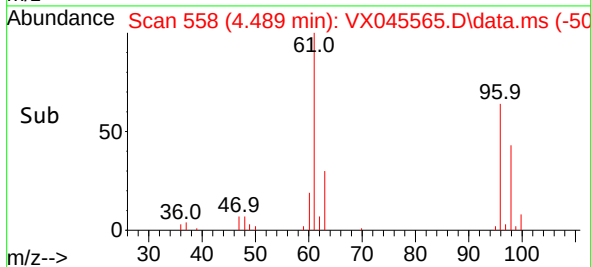
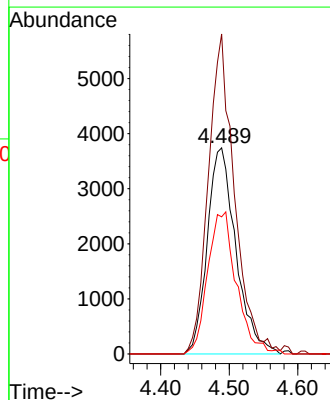
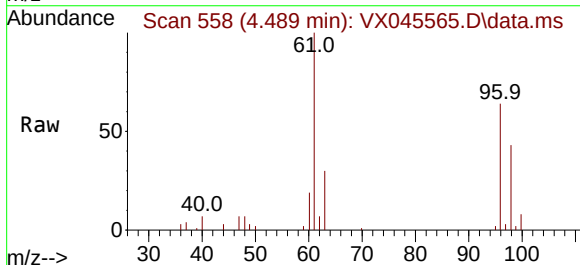
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17B-55-040225

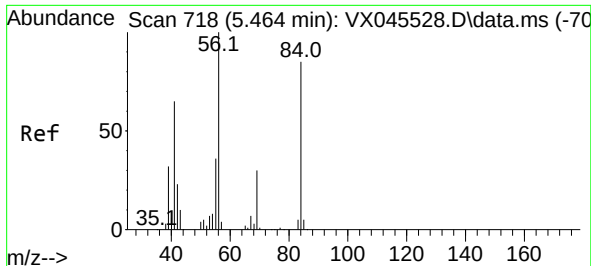
Tgt Ion: 84 Resp: 208  
Ion Ratio Lower Upper  
84 100  
49 96.9 107.5 161.3#  
51 50.0 33.0 49.6#  
86 0.0 50.1 75.1#



#27  
cis-1,2-Dichloroethene  
Concen: 11.643 ug/l  
RT: 4.489 min Scan# 558  
Delta R.T. 0.006 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

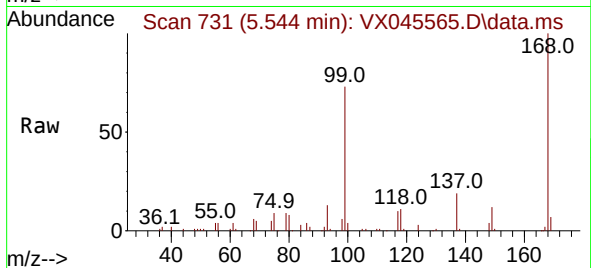
Tgt Ion: 96 Resp: 10876  
Ion Ratio Lower Upper  
96 100  
61 141.7 0.0 313.2  
98 69.3 0.0 126.4



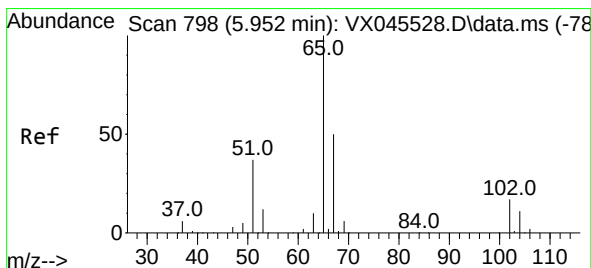
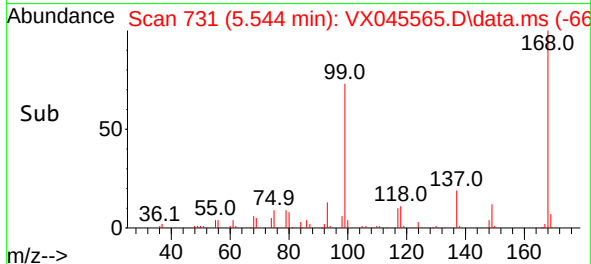
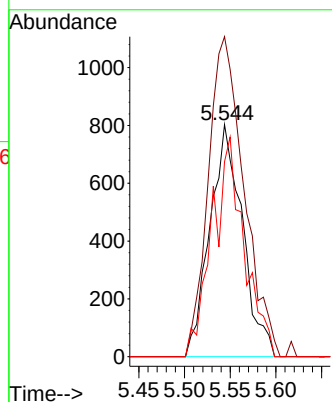


#31  
Cyclohexane  
Concen: 1.417 ug/l  
RT: 5.544 min Scan# 718  
Delta R.T. 0.079 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17B-55-040225

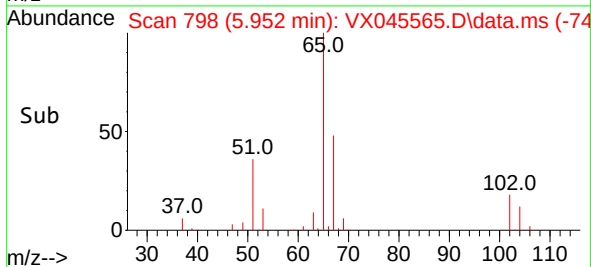
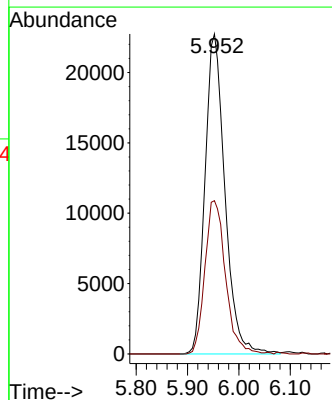
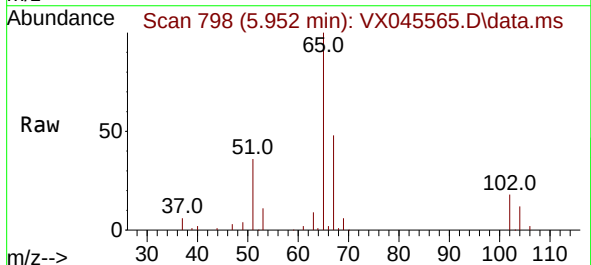


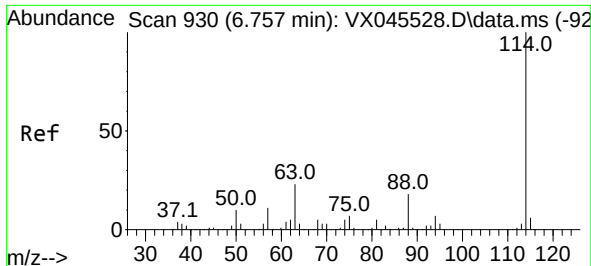
Tgt Ion: 56 Resp: 1987  
Ion Ratio Lower Upper  
56 100  
69 137.9 23.6 35.4#  
84 83.9 67.7 101.5



#33  
1,2-Dichloroethane-d4  
Concen: 53.406 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

Tgt Ion: 65 Resp: 61054  
Ion Ratio Lower Upper  
65 100  
67 49.6 0.0 99.0

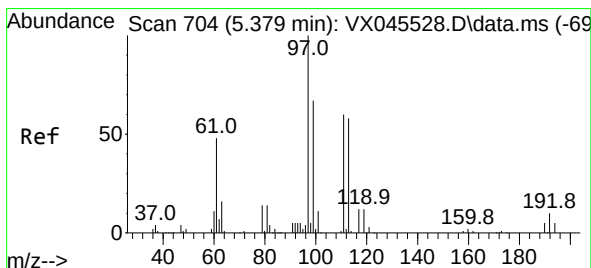
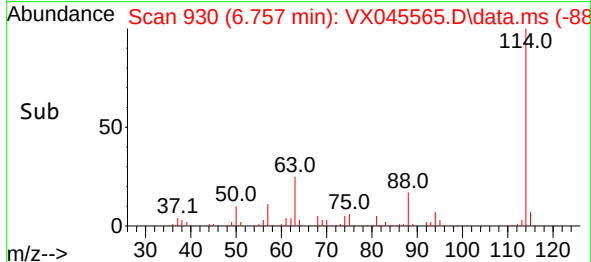
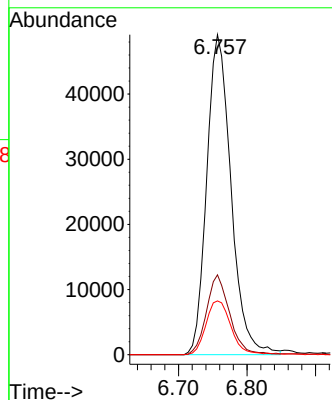
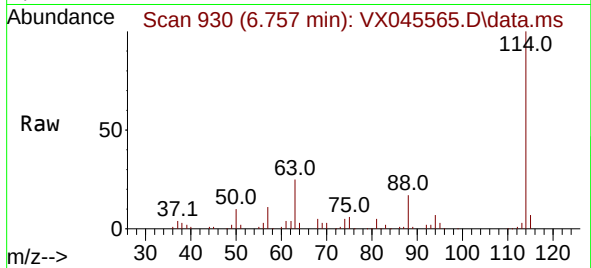




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

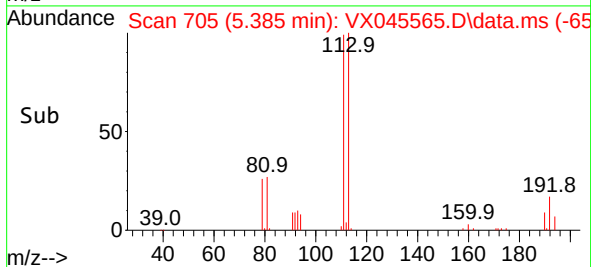
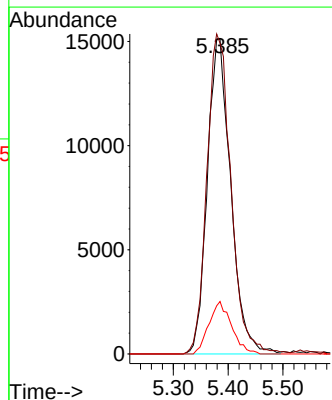
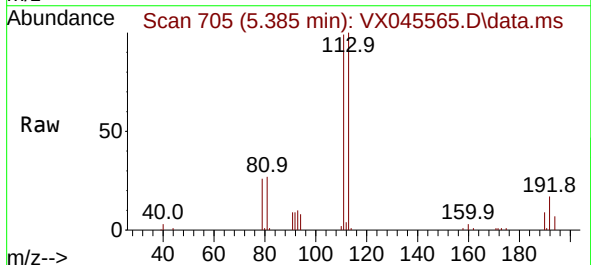
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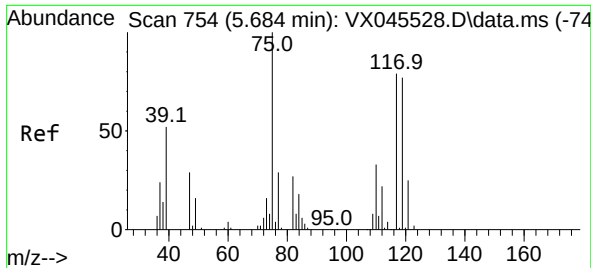
Tgt Ion:114 Resp: 120973  
Ion Ratio Lower Upper  
114 100  
63 25.0 0.0 46.8  
88 16.8 0.0 35.4



#35  
Dibromofluoromethane  
Concen: 52.236 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

Tgt Ion:113 Resp: 44834  
Ion Ratio Lower Upper  
113 100  
111 104.2 81.8 122.6  
192 16.1 13.8 20.6

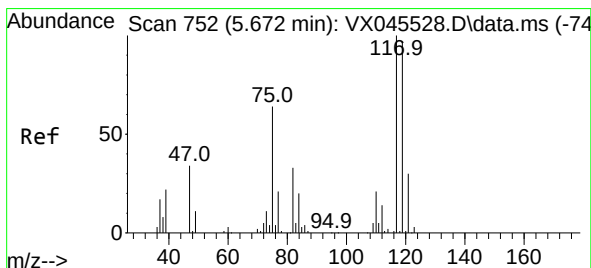
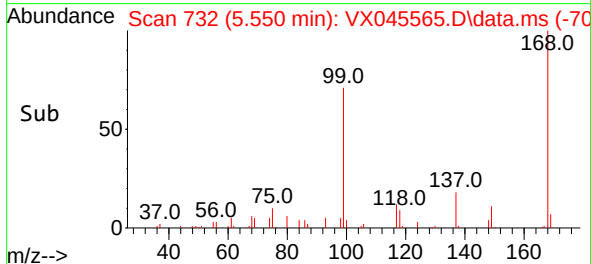
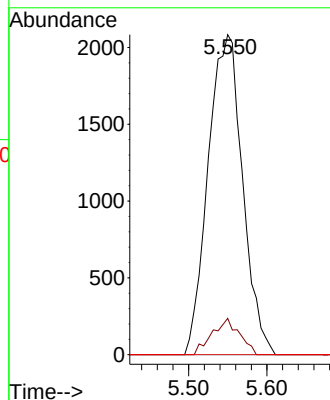
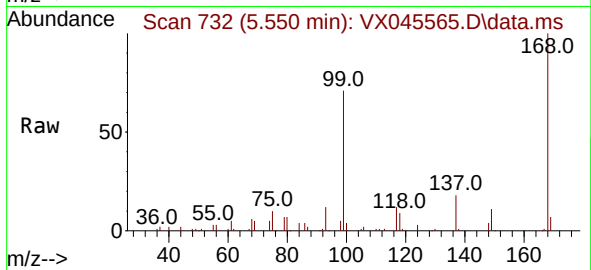




#36  
1,1-Dichloropropene  
Concen: 5.489 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.134 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

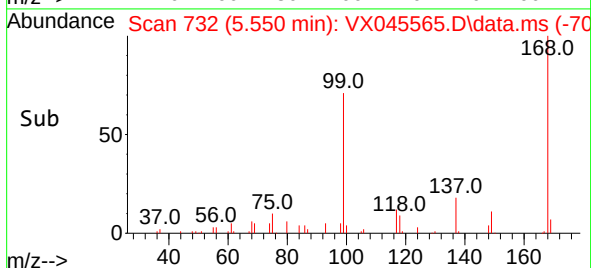
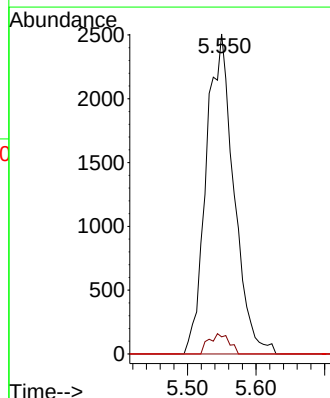
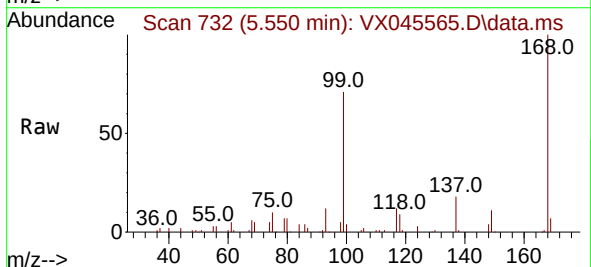
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17B-55-040225

Tgt Ion: 75 Resp: 6361  
Ion Ratio Lower Upper  
75 100  
110 9.0 16.9 50.6#  
77 0.0 25.0 37.4#

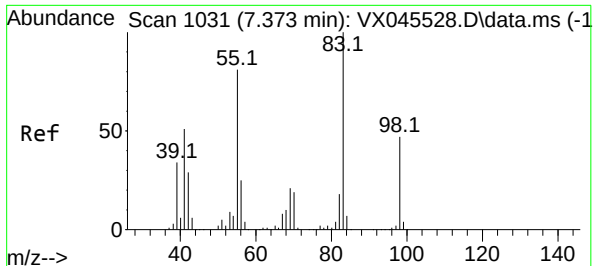


#38  
Carbon Tetrachloride  
Concen: 5.622 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

Tgt Ion: 117 Resp: 7041  
Ion Ratio Lower Upper  
117 100  
119 5.4 76.9 115.3#  
121 0.0 24.2 36.2#







#39

Methylcyclohexane

Concen: 0.494 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX045565.D

Acq: 03 Apr 2025 12:54

Instrument :

MSVOA\_X

ClientSampleId :

MW-17B-55-040225

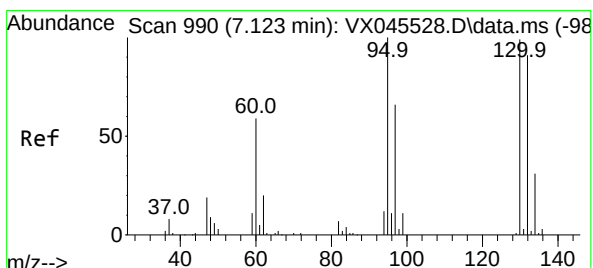
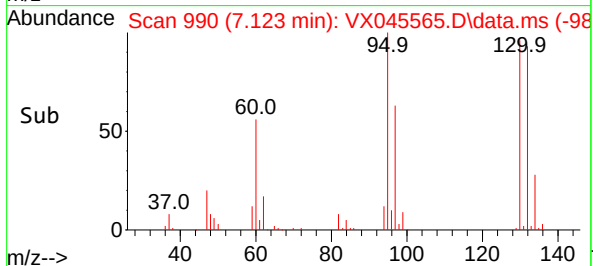
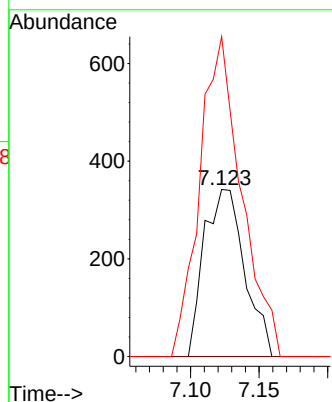
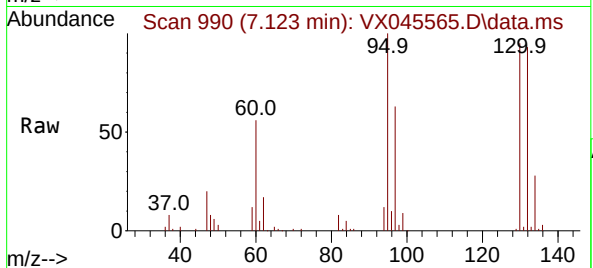
Tgt Ion: 83 Resp: 702

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

98 191.5 37.4 56.0#



#44

Trichloroethene

Concen: 59.199 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX045565.D

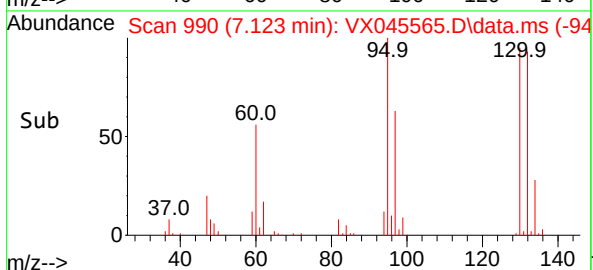
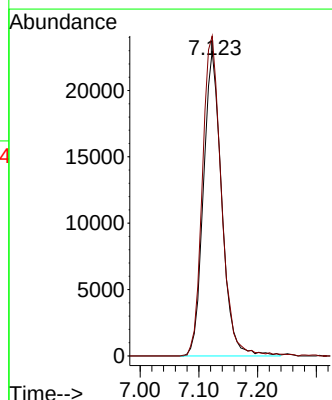
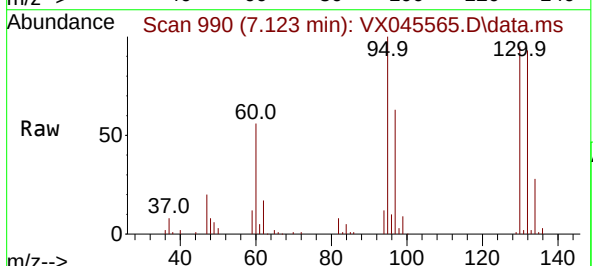
Acq: 03 Apr 2025 12:54

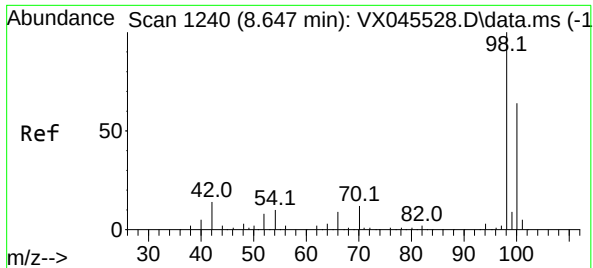
Tgt Ion:130 Resp: 49801

Ion Ratio Lower Upper

130 100

95 104.9 0.0 202.0

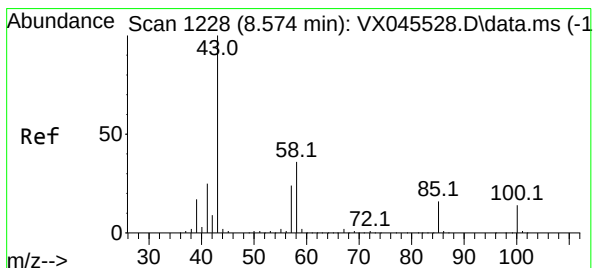
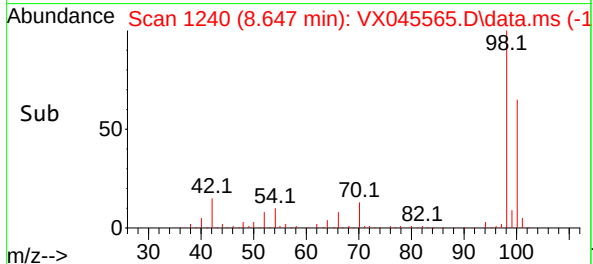
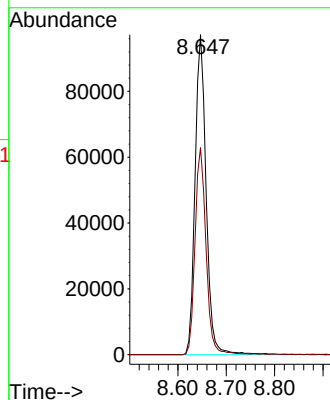
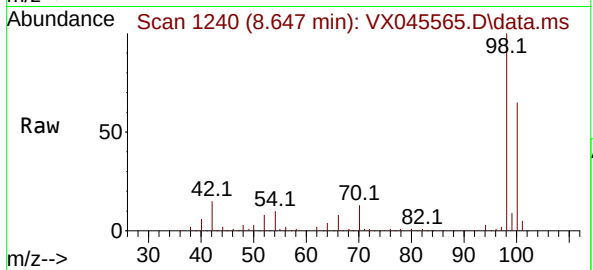




#50  
Toluene-d8  
Concen: 51.591 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

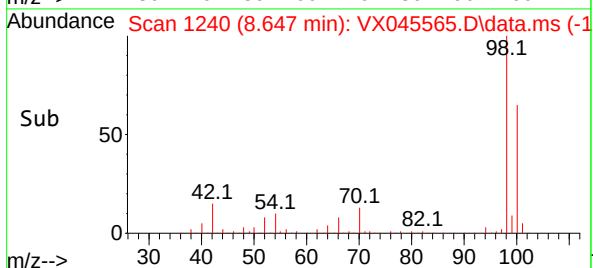
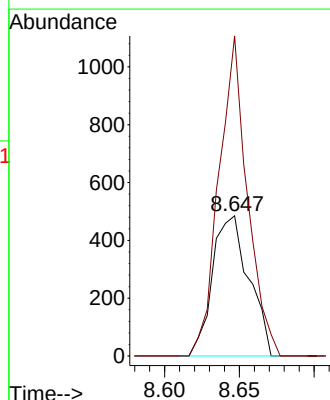
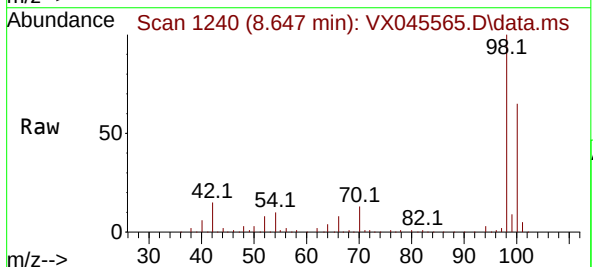
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17B-55-040225

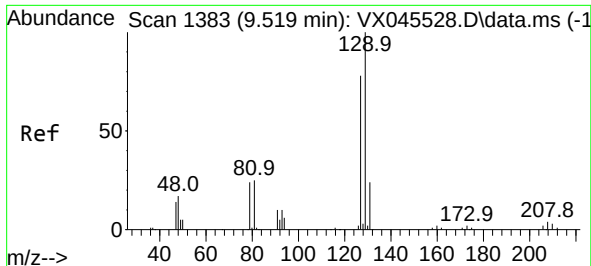
Tgt Ion: 98 Resp: 154556  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.2 78.4



#51  
4-Methyl-2-Pentanone  
Concen: 0.562 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

Tgt Ion: 43 Resp: 824  
Ion Ratio Lower Upper  
43 100  
58 178.4 28.5 42.7#

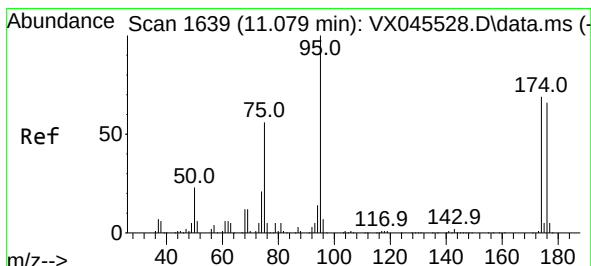
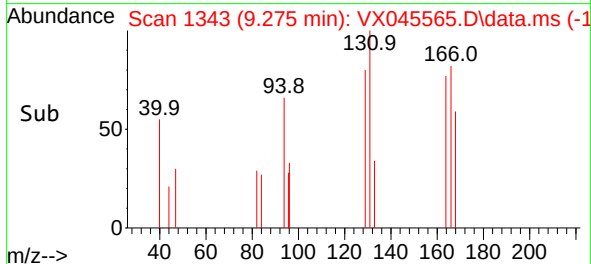
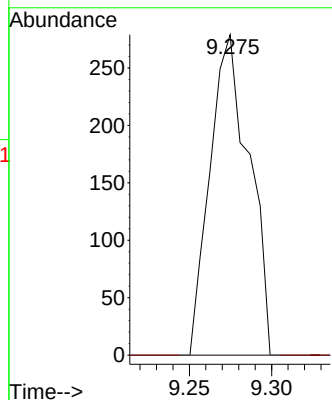
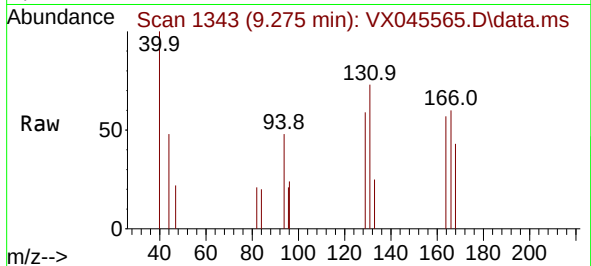




#60  
Dibromochloromethane  
Concen: 0.497 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.244 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

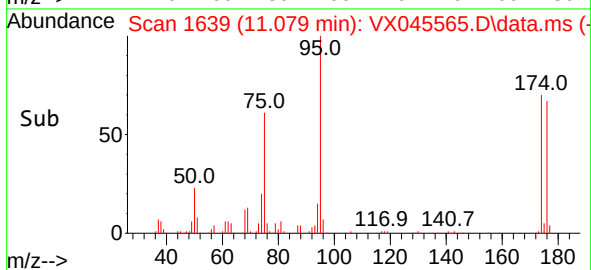
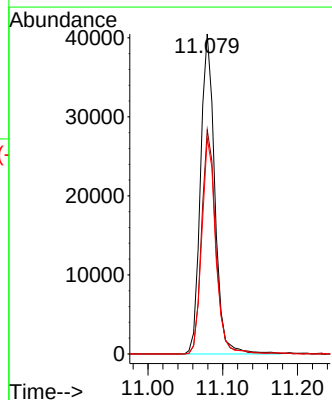
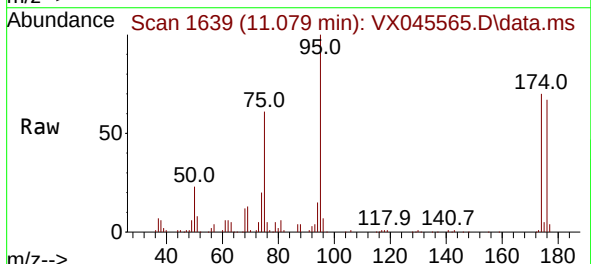
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17B-55-040225

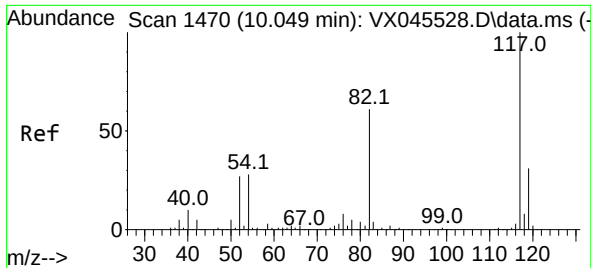
Tgt Ion:129 Resp: 462  
Ion Ratio Lower Upper  
129 100  
127 0.0 39.4 118.2#



#62  
4-Bromofluorobenzene  
Concen: 49.196 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

Tgt Ion: 95 Resp: 53684  
Ion Ratio Lower Upper  
95 100  
174 69.7 0.0 135.8  
176 65.8 0.0 131.4

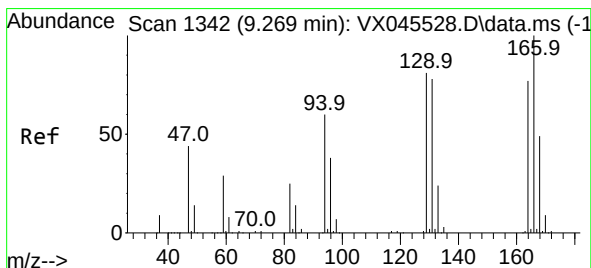
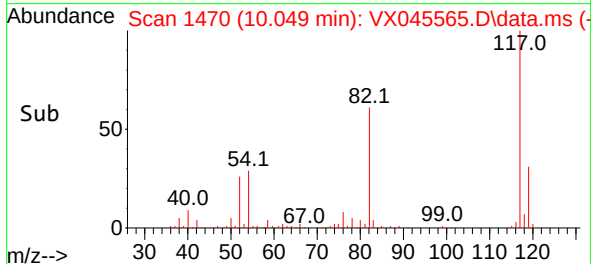
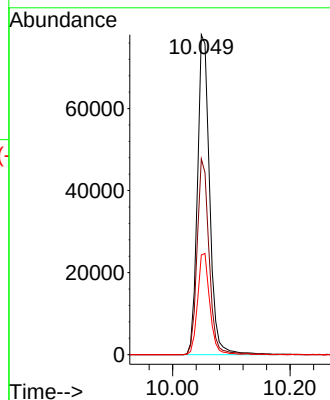
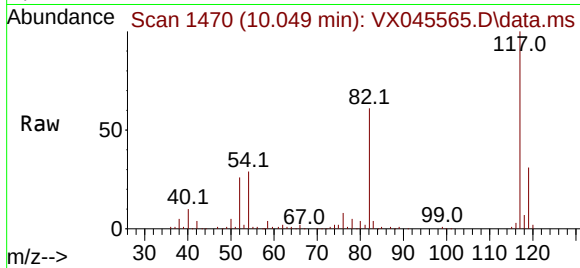




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

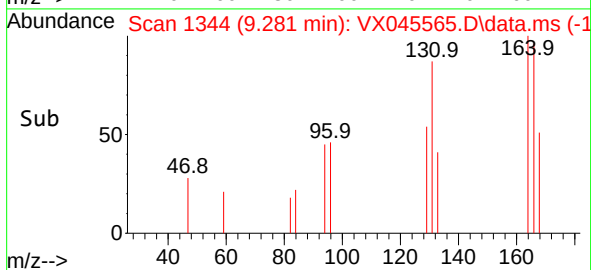
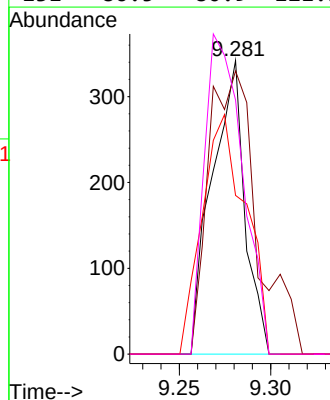
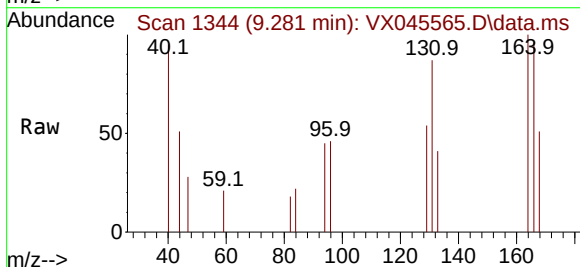
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-17B-55-040225

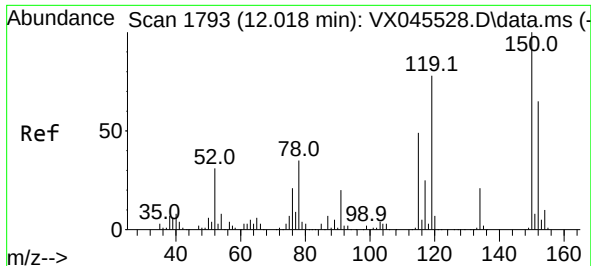
Tgt Ion:117 Resp: 111910  
Ion Ratio Lower Upper  
117 100  
82 61.2 49.2 73.8  
119 31.2 25.1 37.7



#64  
Tetrachloroethene  
Concen: 0.542 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. 0.012 min  
Lab File: VX045565.D  
Acq: 03 Apr 2025 12:54

Tgt Ion:164 Resp: 428  
Ion Ratio Lower Upper  
164 100  
166 96.5 103.8 155.8#  
129 54.1 84.3 126.5#  
131 86.5 80.9 121.3

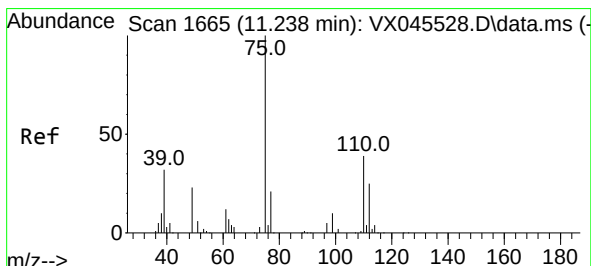
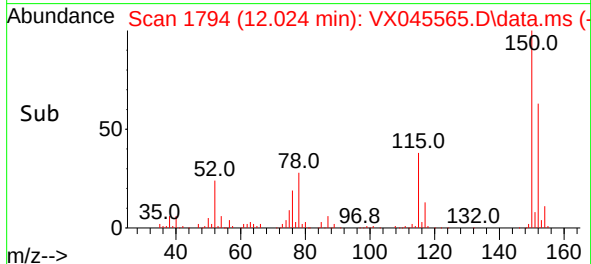
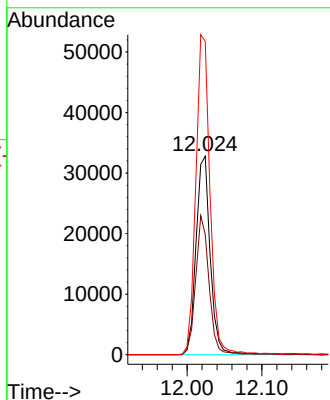
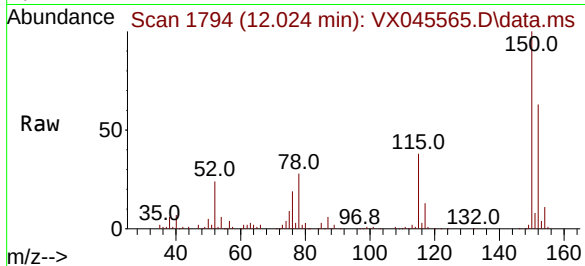




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1  
 Delta R.T. 0.006 min  
 Lab File: VX045565.D  
 Acq: 03 Apr 2025 12:54

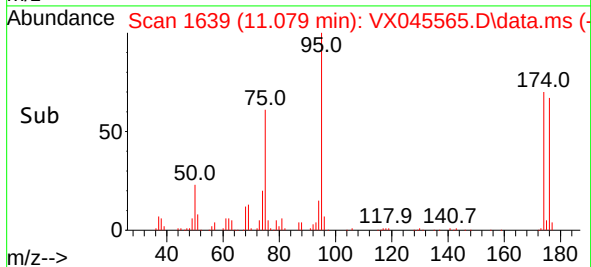
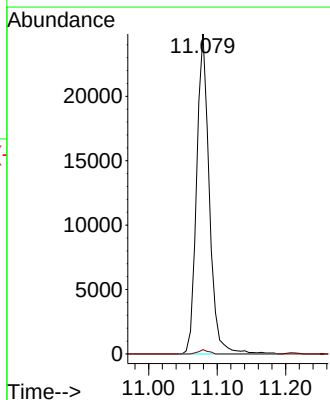
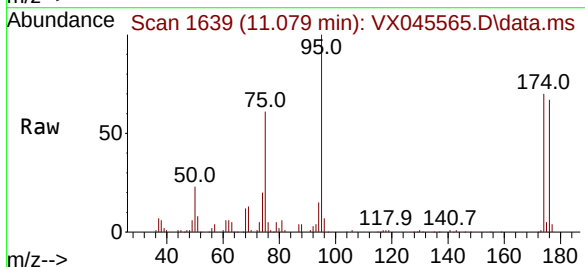
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-17B-55-040225

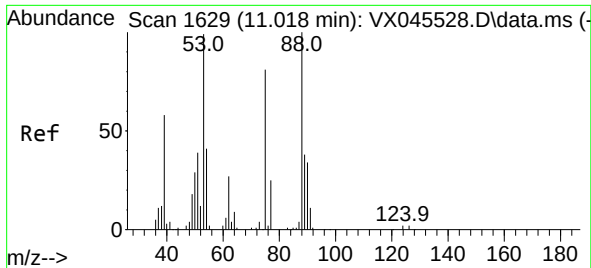
Tgt Ion:152 Resp: 43251  
 Ion Ratio Lower Upper  
 152 100  
 115 65.9 46.9 140.7  
 150 161.5 0.0 349.4



#76  
 1,2,3-Trichloropropane  
 Concen: 30.436 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX045565.D  
 Acq: 03 Apr 2025 12:54

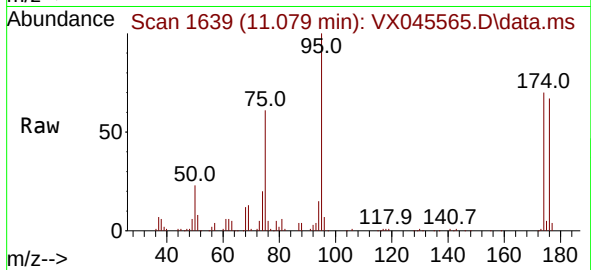
Tgt Ion: 75 Resp: 32110  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 20.0 59.9#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 103.297 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX045565.D  
 Acq: 03 Apr 2025 12:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-17B-55-040225



Tgt Ion: 75 Resp: 32110  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 101.8 152.6#  
 89 0.0 37.2 55.8#

