

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040225\  
 Data File : VX045539.D  
 Acq On : 02 Apr 2025 12:07  
 Operator : JC/MD  
 Sample : Q1697-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-19B-72-040125

Quant Time: Apr 03 01:49:11 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

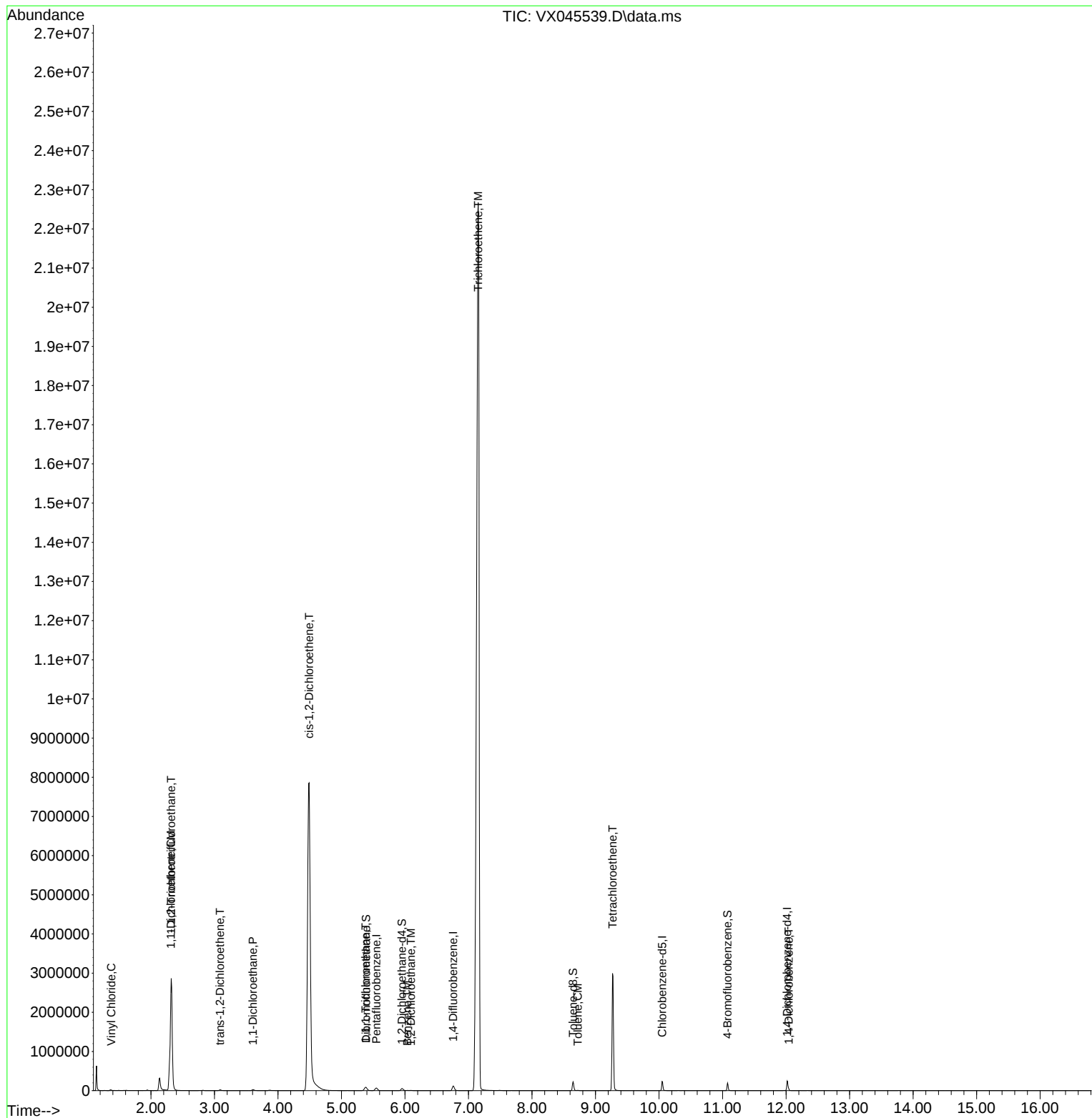
| Compound                     | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                        |           |       |          |           |            |          |
| Internal Standards           |           |       |          |           |            |          |
| 1) Pentafluorobenzene        | 5.550     | 168   | 57807    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757     | 114   | 116089   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.049    | 117   | 97826    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018    | 152   | 43516    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds  |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.952     | 65    | 53760    | 50.854    | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 74 - 125 | Recovery  | = 101.700% |          |
| 35) Dibromofluoromethane     | 5.385     | 113   | 39238    | 47.639    | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 75 - 124 | Recovery  | = 95.280%  |          |
| 50) Toluene-d8               | 8.647     | 98    | 127937   | 44.502    | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 86 - 113 | Recovery  | = 89.000%  |          |
| 62) 4-Bromofluorobenzene     | 11.079    | 95    | 50572    | 48.294    | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 77 - 121 | Recovery  | = 96.580%  |          |
| Target Compounds             |           |       |          |           |            |          |
|                              |           |       |          |           | Qvalue     |          |
| 4) Vinyl Chloride            | 1.374     | 62    | 7167     | 8.818     | ug/l       | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319     | 101   | 1062783  | 1496.426  | ug/l       | 98       |
| 12) 1,1-Dichloroethene       | 2.312     | 96    | 59590    | 85.868    | ug/l       | 96       |
| 21) trans-1,2-Dichloroethene | 3.087     | 96    | 7468     | 10.533    | ug/l       | 92       |
| 24) 1,1-Dichloroethane       | 3.605     | 63    | 31180    | 21.256    | ug/l       | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489     | 96    | 5175672  | 5991.947  | ug/l       | 93       |
| 32) 1,1,1-Trichloroethane    | 5.379     | 97    | 40840    | 31.977    | ug/l       | 98       |
| 40) Benzene                  | 6.037     | 78    | 5720     | 1.684     | ug/l #     | 88       |
| 42) 1,2-Dichloroethane       | 6.092     | 62    | 7366     | 5.251     | ug/l       | 97       |
| 44) Trichloroethene          | 7.153     | 130   | 10380152 | 12858.147 | ug/l       | 92       |
| 52) Toluene                  | 8.720     | 92    | 2533     | 1.232     | ug/l       | 93       |
| 64) Tetrachloroethene        | 9.269     | 164   | 512834   | 742.505   | ug/l       | 98       |
| 88) 1,4-Dichlorobenzene      | 12.042    | 146   | 13702    | 9.219     | ug/l       | 96       |
| -----                        |           |       |          |           |            |          |

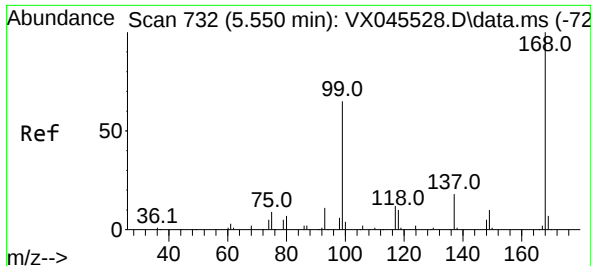
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040225\  
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Sample : Q1697-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

Quant Time: Apr 03 01:49:11 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

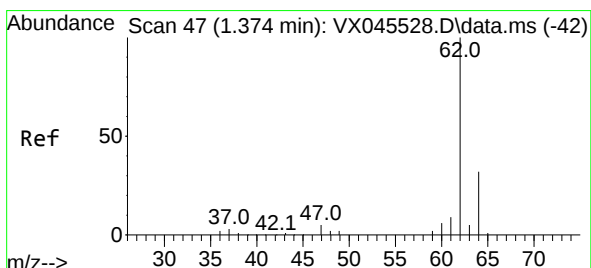
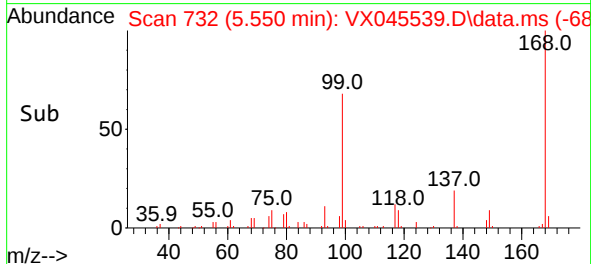
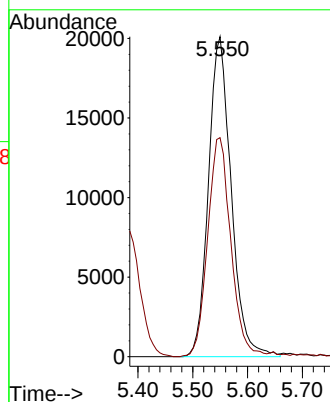
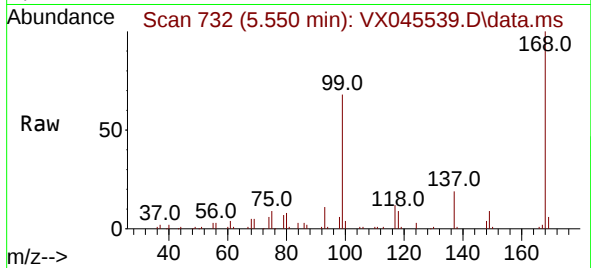




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

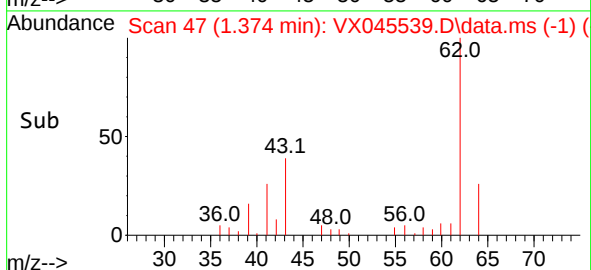
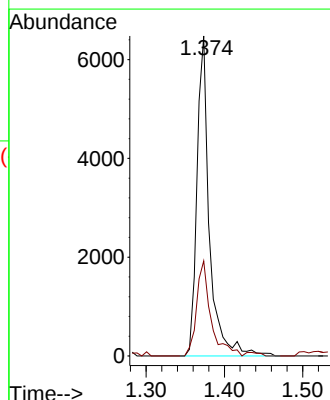
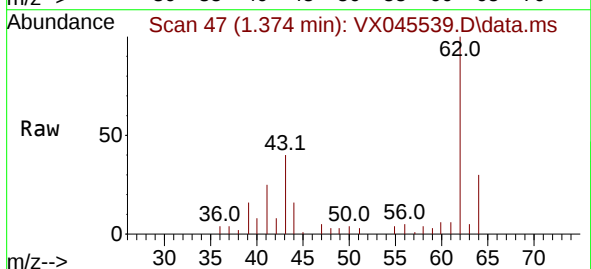
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

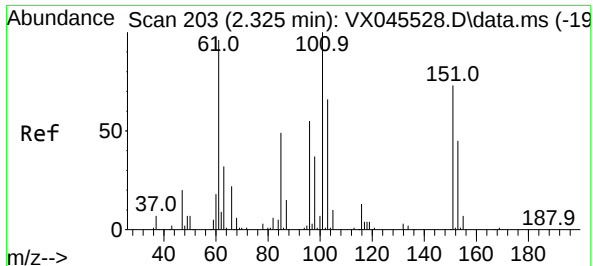
Tgt Ion:168 Resp: 57807  
Ion Ratio Lower Upper  
168 100  
99 68.5 52.3 78.5



#4  
Vinyl Chloride  
Concen: 8.818 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

Tgt Ion: 62 Resp: 7167  
Ion Ratio Lower Upper  
62 100  
64 29.7 25.5 38.3

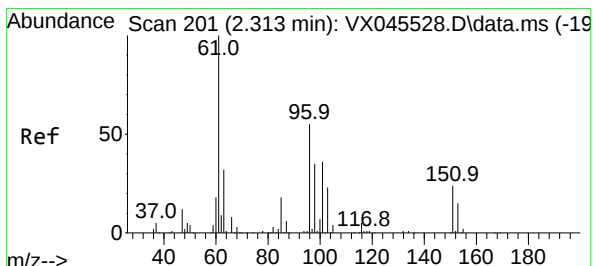
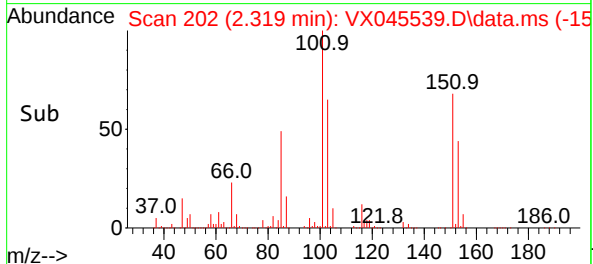
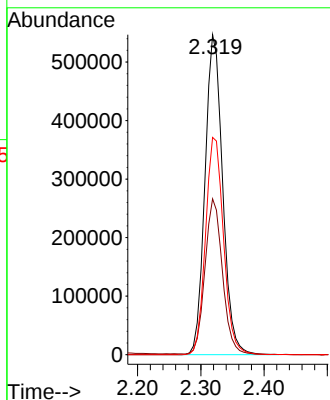
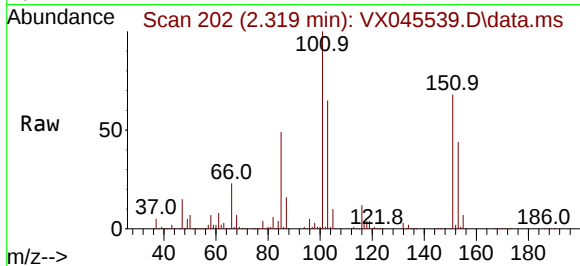




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 1496.426 ug/l  
RT: 2.319 min Scan# 203  
Delta R.T. -0.006 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

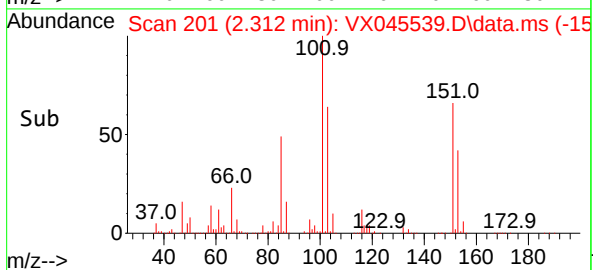
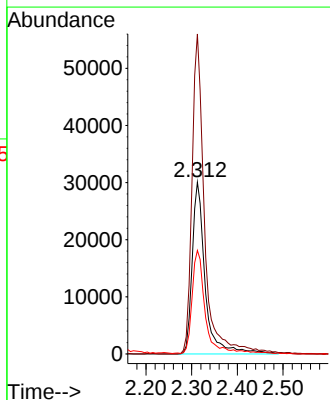
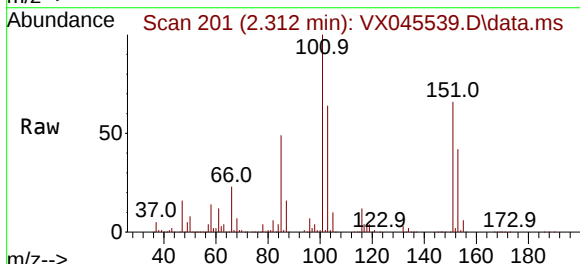
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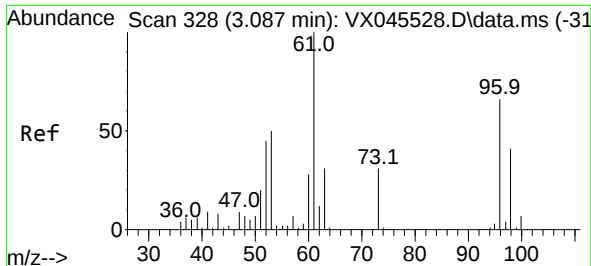
Tgt Ion:101 Resp: 1062783  
Ion Ratio Lower Upper  
101 100  
85 48.3 38.9 58.3  
151 69.4 57.5 86.3



#12  
1,1-Dichloroethene  
Concen: 85.868 ug/l  
RT: 2.312 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

Tgt Ion: 96 Resp: 59590  
Ion Ratio Lower Upper  
96 100  
61 186.2 145.7 218.5  
98 59.7 51.6 77.4

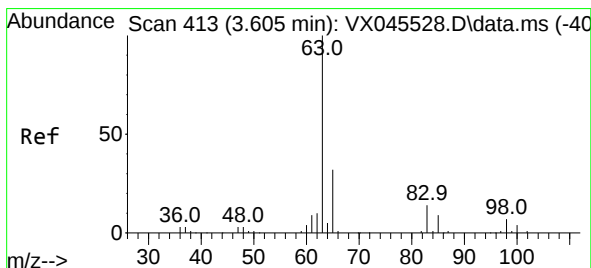
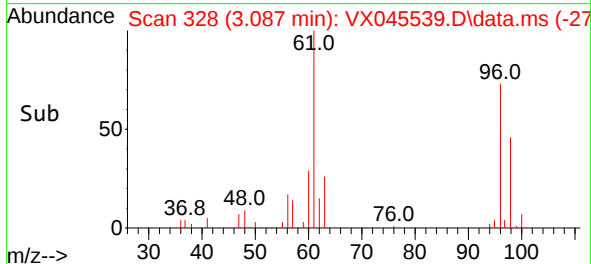
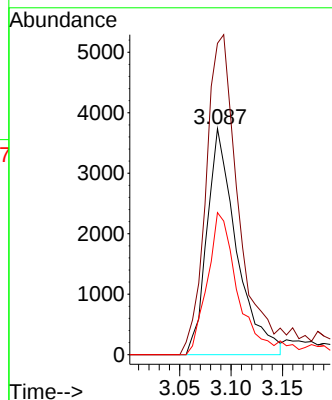
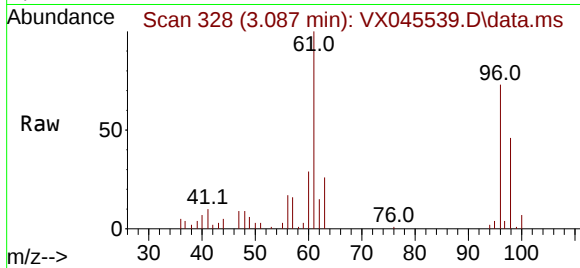




#21  
trans-1,2-Dichloroethene  
Concen: 10.533 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

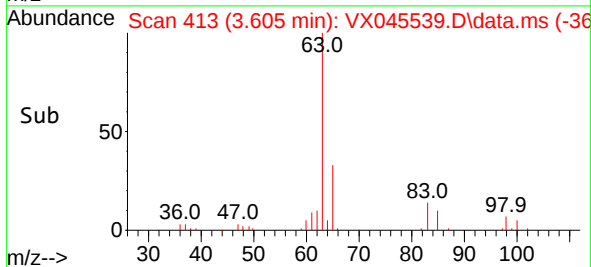
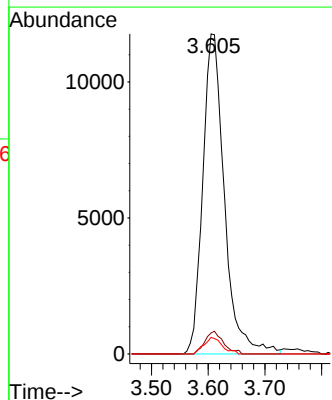
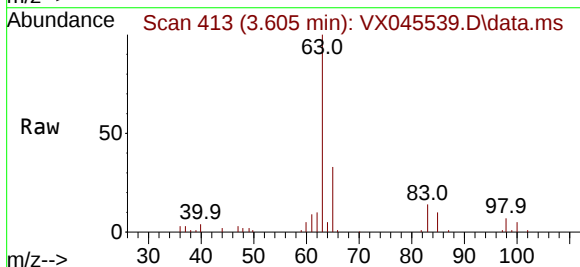
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MSVOA\_X  
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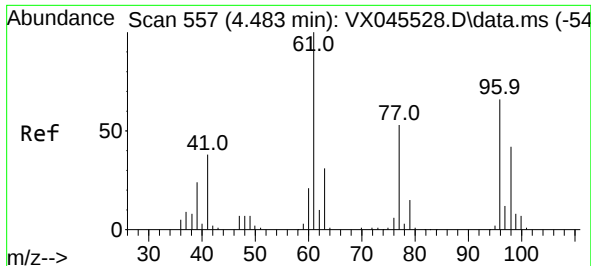
Tgt Ion: 96 Resp: 7468  
Ion Ratio Lower Upper  
96 100  
61 137.7 121.0 181.6  
98 62.9 49.7 74.5



#24  
1,1-Dichloroethane  
Concen: 21.256 ug/l  
RT: 3.605 min Scan# 413  
Delta R.T. -0.000 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

Tgt Ion: 63 Resp: 31180  
Ion Ratio Lower Upper  
63 100  
98 6.6 3.4 10.1  
100 5.2 2.2 6.6





#27

cis-1,2-Dichloroethene

Concen: 5991.947 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045539.D

Acq: 02 Apr 2025 12:07

Instrument :

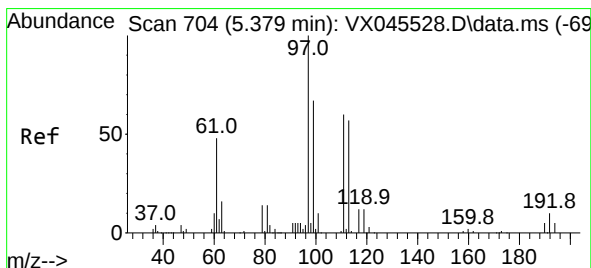
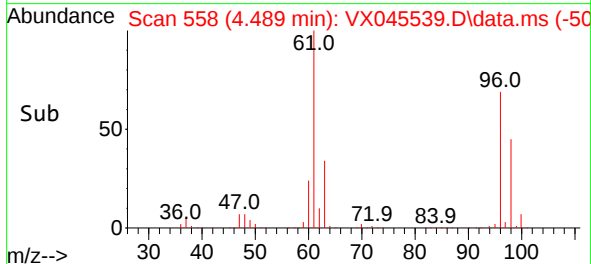
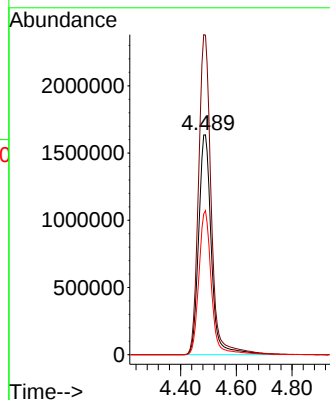
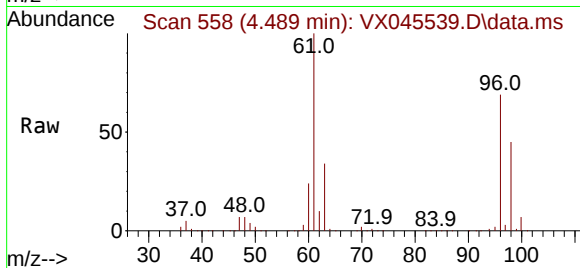
MSVOA\_X

ClientSampleId :

MW-19B-72-040125

Tgt Ion: 96 Resp: 5175672

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 144.2 | 0.0   | 313.2 |
| 98  | 64.6  | 0.0   | 126.4 |



#32

1,1,1-Trichloroethane

Concen: 31.977 ug/l

RT: 5.379 min Scan# 704

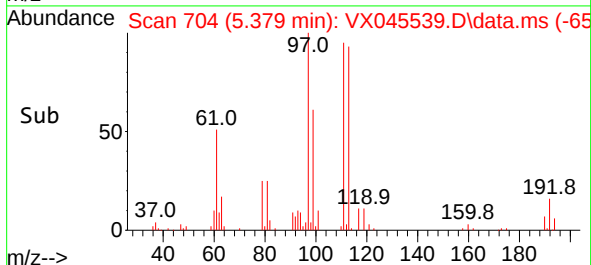
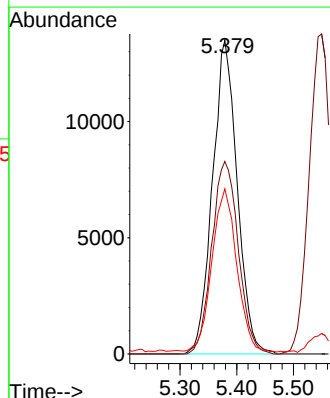
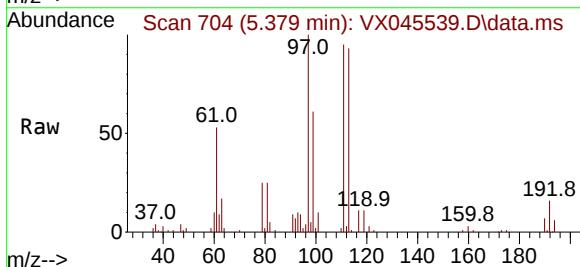
Delta R.T. -0.000 min

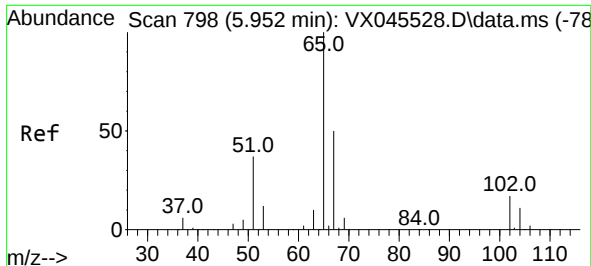
Lab File: VX045539.D

Acq: 02 Apr 2025 12:07

Tgt Ion: 97 Resp: 40840

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.8  | 51.7  | 77.5  |
| 61  | 52.4  | 41.0  | 61.4  |

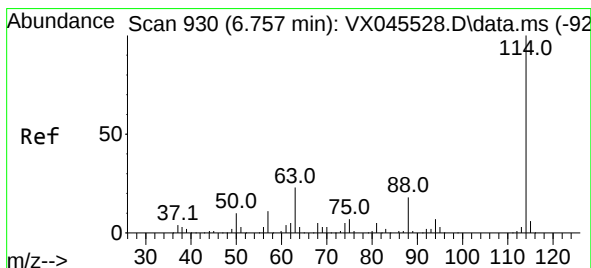
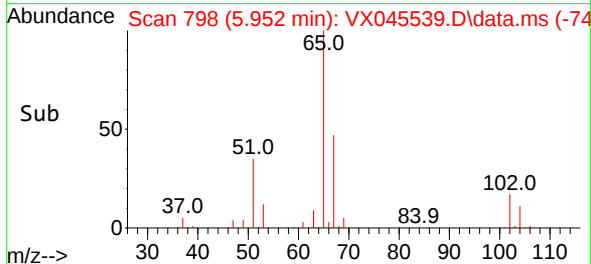
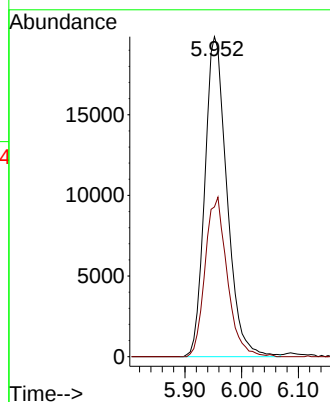
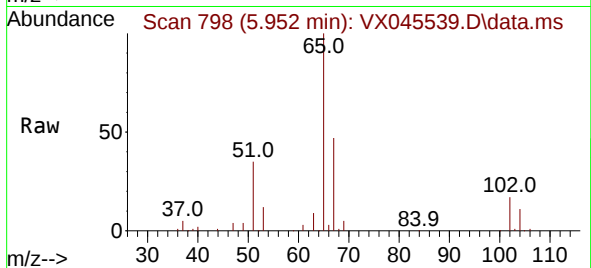




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.854 ug/l  
 RT: 5.952 min Scan# 798  
 Delta R.T. -0.000 min  
 Lab File: VX045539.D  
 Acq: 02 Apr 2025 12:07

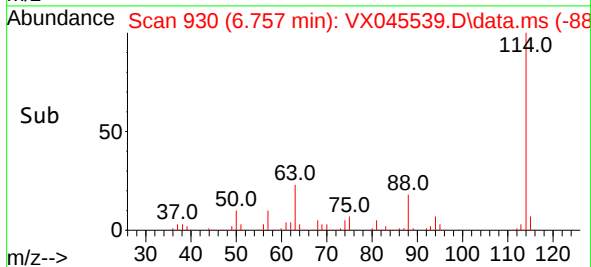
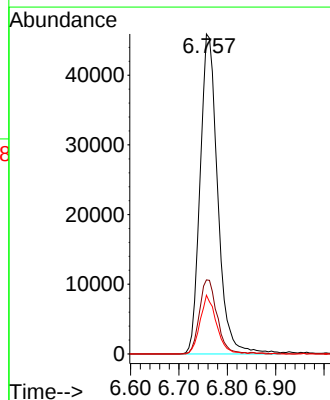
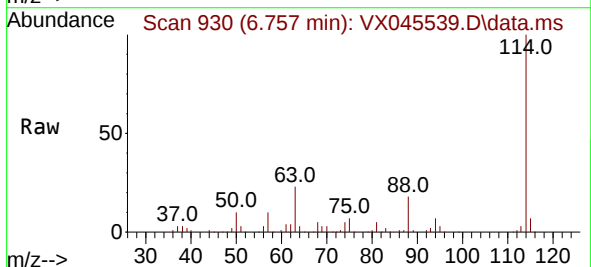
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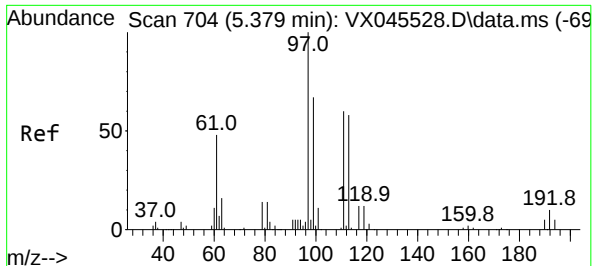
Tgt Ion: 65 Resp: 53760  
 Ion Ratio Lower Upper  
 65 100  
 67 49.9 0.0 99.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 930  
 Delta R.T. -0.000 min  
 Lab File: VX045539.D  
 Acq: 02 Apr 2025 12:07

Tgt Ion: 114 Resp: 116089  
 Ion Ratio Lower Upper  
 114 100  
 63 23.2 0.0 46.8  
 88 18.4 0.0 35.4





#35

Dibromofluoromethane

Concen: 47.639 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX045539.D

Acq: 02 Apr 2025 12:07

Instrument :

MSVOA\_X

ClientSampleId :

MW-19B-72-040125

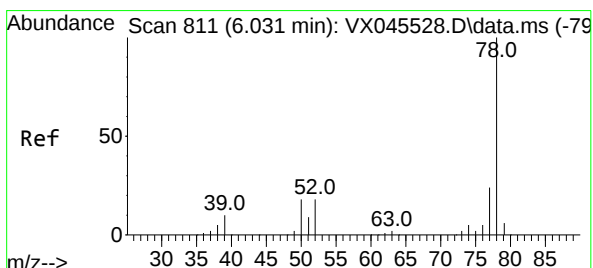
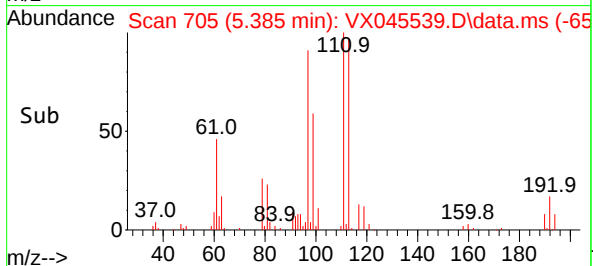
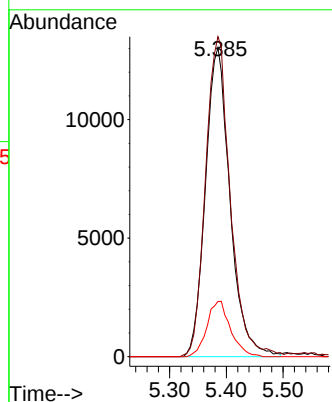
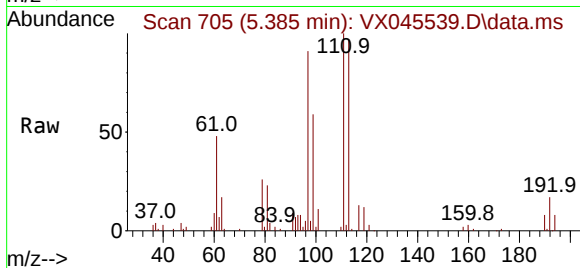
Tgt Ion:113 Resp: 39238

Ion Ratio Lower Upper

113 100

111 104.2 81.8 122.6

192 17.3 13.8 20.6



#40

Benzene

Concen: 1.684 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX045539.D

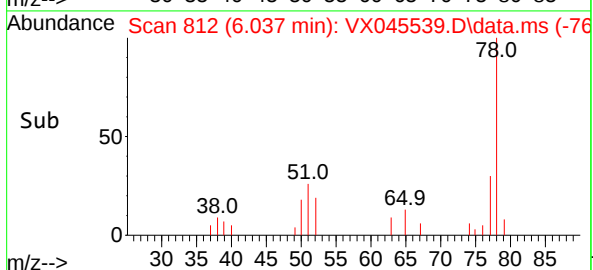
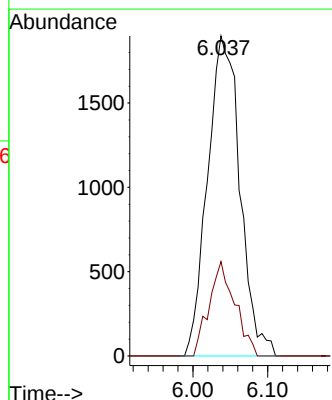
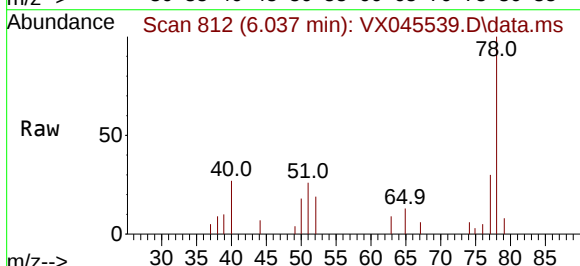
Acq: 02 Apr 2025 12:07

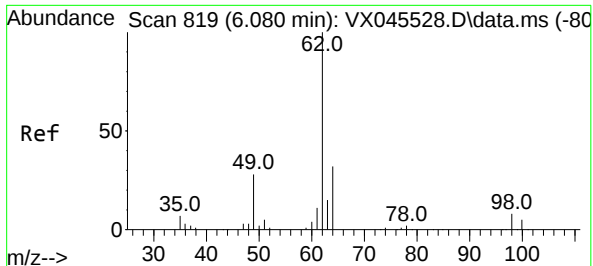
Tgt Ion: 78 Resp: 5720

Ion Ratio Lower Upper

78 100

77 29.5 19.0 28.6#





#42

1,2-Dichloroethane

Concen: 5.251 ug/l

RT: 6.092 min Scan# 819

Delta R.T. 0.012 min

Lab File: VX045539.D

Acq: 02 Apr 2025 12:07

Instrument :

MSVOA\_X

ClientSampleId :

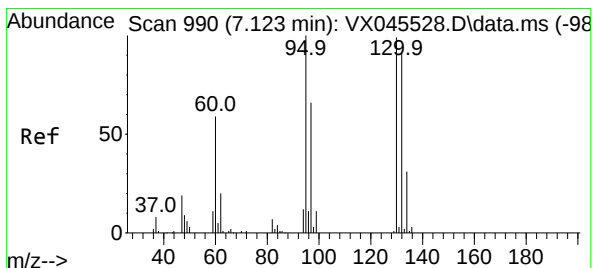
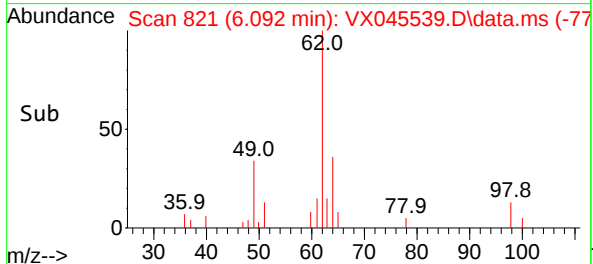
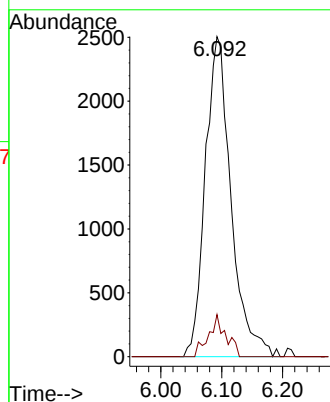
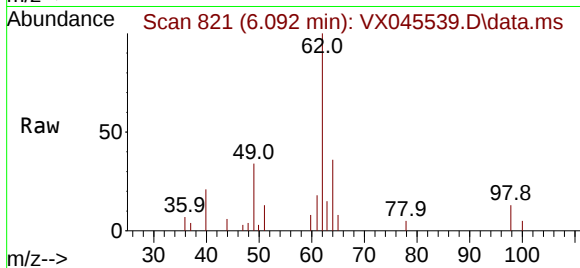
MW-19B-72-040125

Tgt Ion: 62 Resp: 7366

Ion Ratio Lower Upper

62 100

98 8.8 0.0 15.2



#44

Trichloroethene

Concen: 12858.147 ug/l

RT: 7.153 min Scan# 995

Delta R.T. 0.030 min

Lab File: VX045539.D

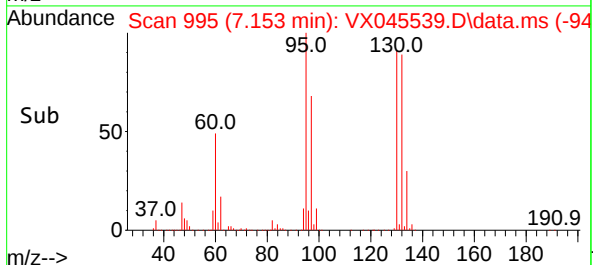
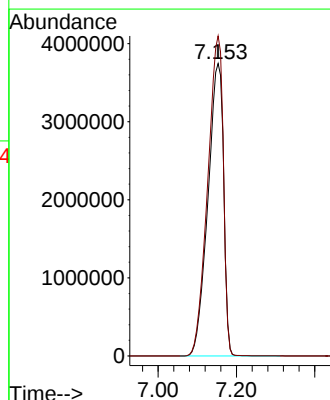
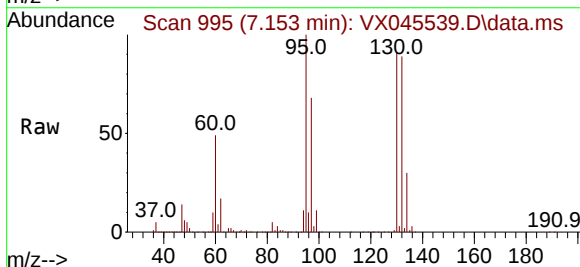
Acq: 02 Apr 2025 12:07

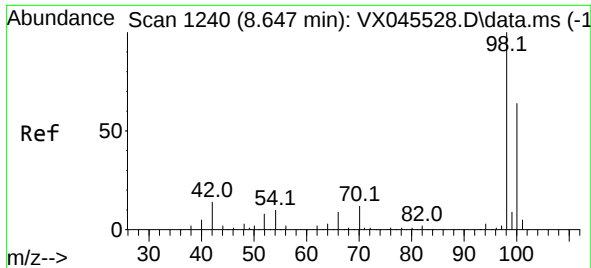
Tgt Ion:130 Resp:10380152

Ion Ratio Lower Upper

130 100

95 109.4 0.0 202.0

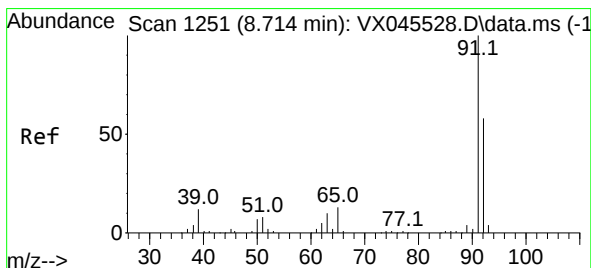
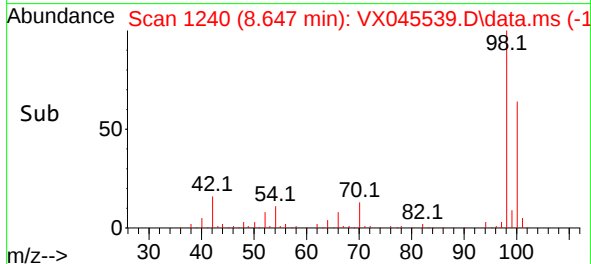
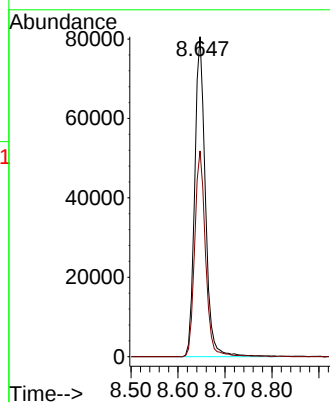
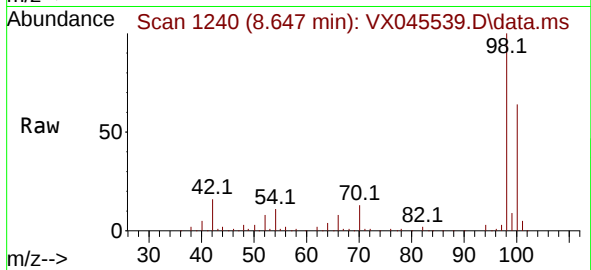




#50  
Toluene-d8  
Concen: 44.502 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

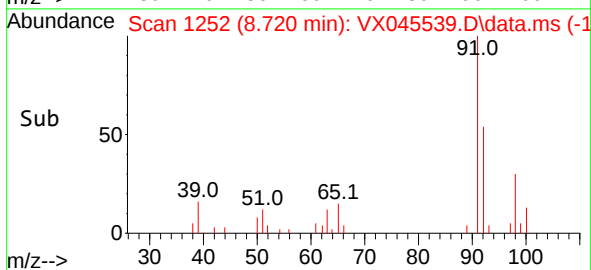
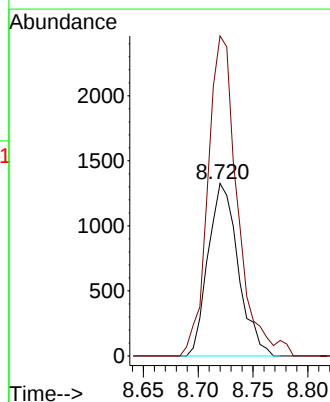
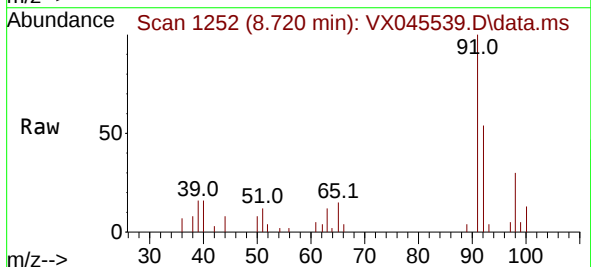
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

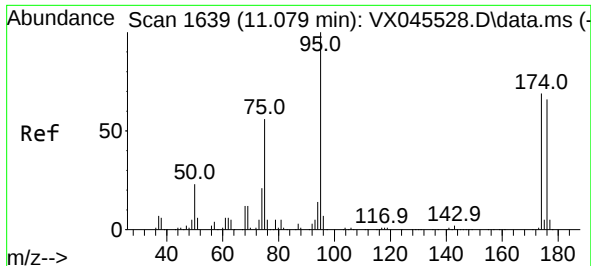
Tgt Ion: 98 Resp: 127937  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.2 78.4



#52  
Toluene  
Concen: 1.232 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.006 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

Tgt Ion: 92 Resp: 2533  
Ion Ratio Lower Upper  
92 100  
91 182.7 138.7 208.1

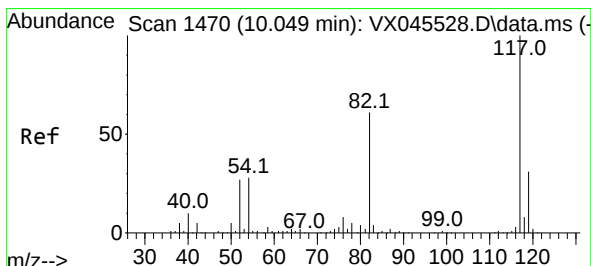
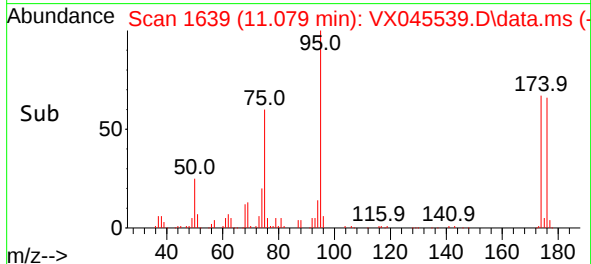
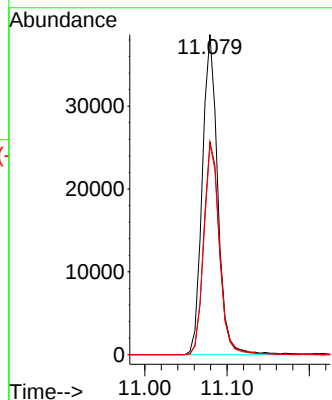
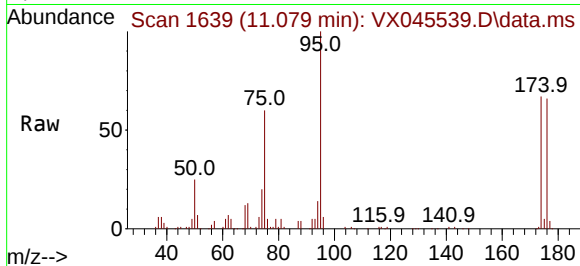




#62  
4-Bromofluorobenzene  
Concen: 48.294 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

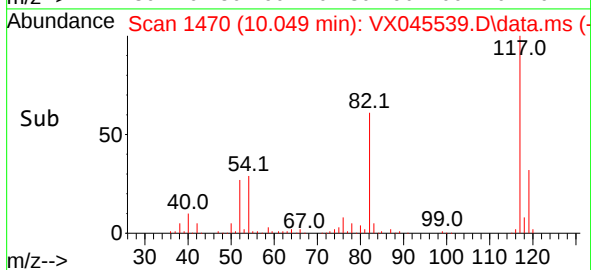
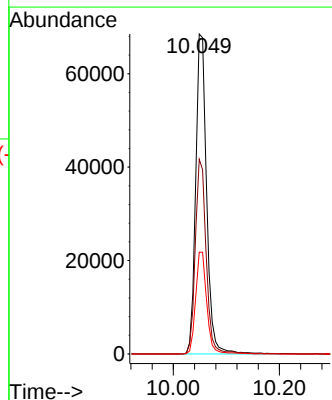
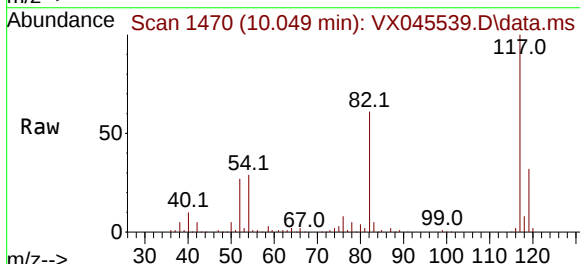
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

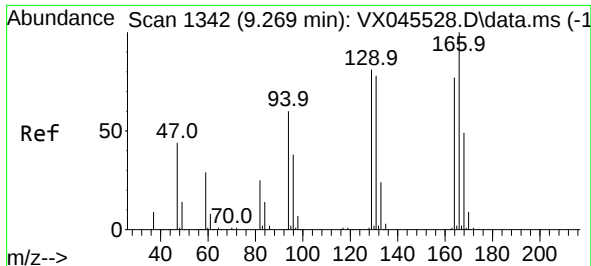
Tgt Ion: 95 Resp: 50572  
Ion Ratio Lower Upper  
95 100  
174 67.2 0.0 135.8  
176 66.7 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

Tgt Ion: 117 Resp: 97826  
Ion Ratio Lower Upper  
117 100  
82 60.8 49.2 73.8  
119 31.8 25.1 37.7

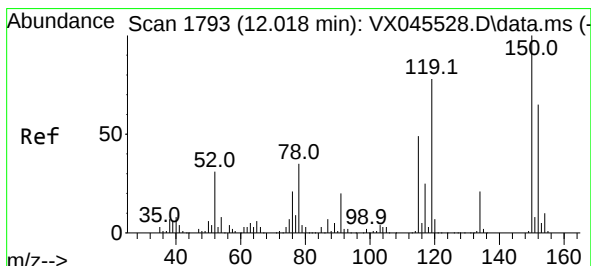
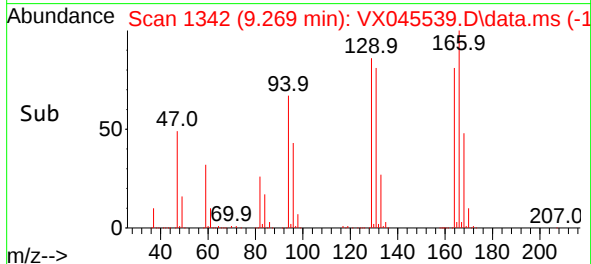
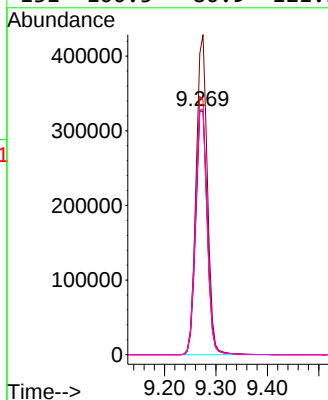
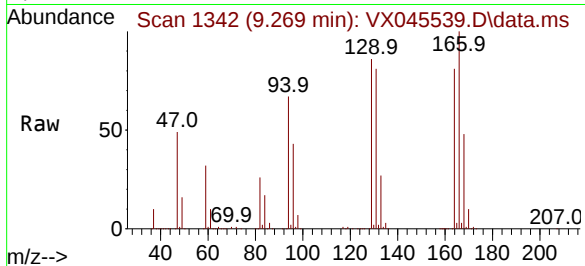




#64  
Tetrachloroethene  
Concen: 742.505 ug/l  
RT: 9.269 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

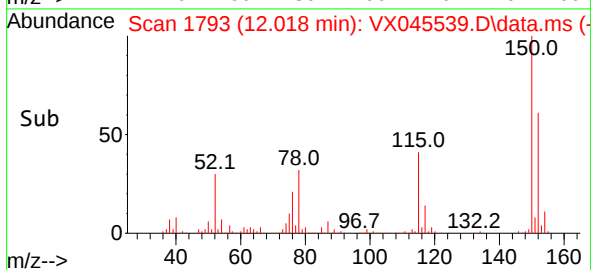
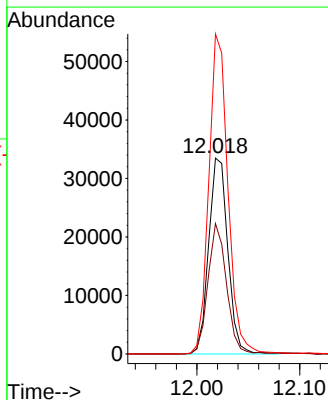
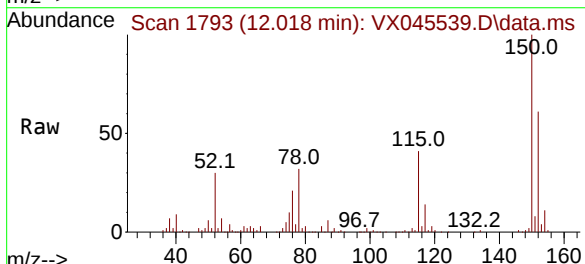
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19B-72-040125

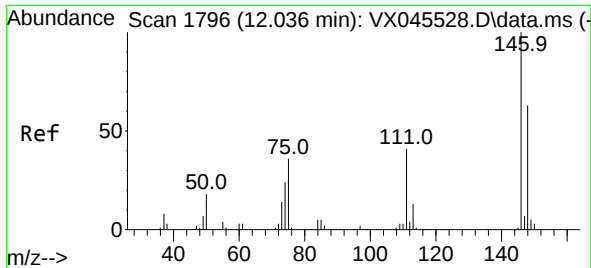
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:164 | Resp: | 512834 |
| Ion | Ratio   | Lower | Upper  |
| 164 | 100     |       |        |
| 166 | 123.6   | 103.8 | 155.8  |
| 129 | 105.9   | 84.3  | 126.5  |
| 131 | 100.5   | 80.9  | 121.3  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX045539.D  
Acq: 02 Apr 2025 12:07

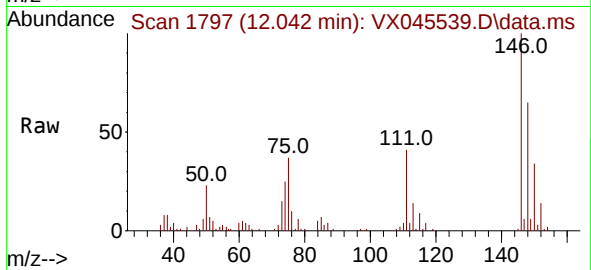
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:152 | Resp: | 43516 |       |
| Ion         | Ratio | Lower | Upper |
| 152         | 100   |       |       |
| 115         | 64.7  | 46.9  | 140.7 |
| 150         | 162.9 | 0.0   | 349.4 |





#88  
 1,4-Dichlorobenzene  
 Concen: 9.219 ug/l  
 RT: 12.042 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX045539.D  
 Acq: 02 Apr 2025 12:07

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-19B-72-040125



Tgt Ion:146 Resp: 13702  
 Ion Ratio Lower Upper  
 146 100  
 111 44.7 20.9 62.8  
 148 66.4 31.5 94.5

