

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111225\  
 Data File : VU063714.D  
 Acq On : 12 Nov 2025 12:41  
 Operator : MD/SY  
 Sample : Q3530-09  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-03-QT4-2025

Quant Time: Nov 14 05:00:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U111025W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 14 04:59:23 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.341          | 168  | 189202     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.219          | 114  | 316778     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.393          | 117  | 295198     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.788         | 152  | 151244     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.672          | 65   | 136928     | 48.991   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 97.980%  |        |          |
| 35) Dibromofluoromethane     | 5.258          | 113  | 103891     | 46.825   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 93.640%  |        |          |
| 50) Toluene-d8               | 7.872          | 98   | 363086     | 45.552   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 91.100%# |        |          |
| 62) 4-Bromofluorobenzene     | 10.608         | 95   | 152071     | 46.121   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 92.240%  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.370          | 85   | 590        | 0.516    | ug/l   | 89       |
| 3) Chloromethane             | 1.509          | 50   | 882        | 0.664    | ug/l   | 90       |
| 4) Vinyl Chloride            | 1.589          | 62   | 939        | 0.668    | ug/l   | 96       |
| 5) Bromomethane              | 1.840          | 94   | 1258       | 1.275    | ug/l   | 84       |
| 6) Chloroethane              | 1.914          | 64   | 977        | 0.919    | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 2.120          | 101  | 1431       | 0.532    | ug/l   | 92       |
| 8) Diethyl Ether             | 2.354          | 74   | 652        | 0.570    | ug/l # | 1        |
| 9) 1,1,2-Trichlorotrifluo... | 2.560          | 101  | 959        | 0.561    | ug/l   | 96       |
| 10) Methyl Iodide            | 2.695          | 142  | 982        | 0.577    | ug/l # | 89       |
| 11) Tert butyl alcohol       | 3.164          | 59   | 2071       | 3.176    | ug/l # | 73       |
| 12) 1,1-Dichloroethene       | 2.554          | 96   | 1072       | 0.729    | ug/l # | 66       |
| 13) Acrolein                 | 2.464          | 56   | 334        | 6.406    | ug/l   | 96       |
| 14) Allyl chloride           | 2.898          | 41   | 1725       | 0.629    | ug/l   | 92       |
| 15) Acrylonitrile            | 3.338          | 53   | 2020       | 1.513    | ug/l # | 92       |
| 16) Acetone                  | 2.608          | 43   | 6563       | 3.590    | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.766          | 76   | 1744       | 0.806    | ug/l   | 96       |
| 18) Methyl Acetate           | 2.949          | 43   | 1040       | 0.240    | ug/l # | 72       |
| 19) Methyl tert-butyl Ether  | 3.338          | 73   | 3224       | 0.486    | ug/l # | 77       |
| 20) Methylene Chloride       | 3.020          | 84   | 2156       | 1.035    | ug/l # | 91       |
| 21) trans-1,2-Dichloroethene | 3.332          | 96   | 978        | 0.648    | ug/l # | 61       |
| 22) Diisopropyl ether        | 3.968          | 45   | 1866       | 0.309    | ug/l # | 76       |
| 23) Vinyl Acetate            | 3.968          | 43   | 5441       | 1.320    | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 3.840          | 63   | 1853       | 0.532    | ug/l # | 81       |
| 25) 2-Butanone               | 4.663          | 43   | 90         | 0.047    | ug/l # | 47       |
| 26) 2,2-Dichloropropane      | 4.631          | 77   | 1484       | 0.496    | ug/l # | 71       |
| 27) cis-1,2-Dichloroethene   | 4.650          | 96   | 1063       | 0.482    | ug/l   | 75       |
| 28) Bromochloromethane       | 4.949          | 49   | 518        | 0.371    | ug/l # | 63       |
| 29) Tetrahydrofuran          | 5.042          | 42   | 1441       | 1.287    | ug/l # | 63       |
| 30) Chloroform               | 5.062          | 83   | 2381       | 0.624    | ug/l   | 95       |
| 31) Cyclohexane              | 5.341          | 56   | 5500       | 2.235    | ug/l # | 46       |
| 32) 1,1,1-Trichloroethane    | 5.293          | 97   | 1703       | 0.544    | ug/l # | 51       |
| 36) 1,1-Dichloropropene      | 5.508          | 75   | 1856       | 0.822    | ug/l # | 79       |
| 37) Ethyl Acetate            | 4.734          | 43   | 2006       | 0.627    | ug/l # | 69       |
| 38) Carbon Tetrachloride     | 5.496          | 117  | 1196       | 0.490    | ug/l   | 91       |
| 39) Methylcyclohexane        | 6.730          | 83   | 1224       | 0.477    | ug/l # | 80       |
| 40) Benzene                  | 5.753          | 78   | 4151       | 0.570    | ug/l # | 86       |

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 Sample : Q3530-09  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-03-QT4-2025

Quant Time: Nov 14 05:00:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U111025W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 14 04:59:23 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.994  | 41   | 401      | 0.241   | ug/l # | 44       |
| 42) 1,2-Dichloroethane        | 5.769  | 62   | 901      | 0.313   | ug/l # | 75       |
| 43) Isopropyl Acetate         | 5.891  | 43   | 628      | 0.134   | ug/l # | 61       |
| 44) Trichloroethene           | 6.528  | 130  | 1341     | 0.656   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 6.762  | 63   | 501      | 0.253   | ug/l # | 83       |
| 46) Dibromomethane            | 6.894  | 93   | 808      | 0.543   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.081  | 83   | 1421     | 0.471   | ug/l # | 76       |
| 48) Methyl methacrylate       | 6.955  | 41   | 742      | 0.323   | ug/l # | 87       |
| 49) 1,4-Dioxane               | 6.965  | 88   | 196      | 3.216   | ug/l # | 34       |
| 51) 4-Methyl-2-Pentanone      | 7.775  | 43   | 10066    | 2.807   | ug/l   | 95       |
| 52) Toluene                   | 7.949  | 92   | 2918     | 0.617   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.193  | 75   | 1196     | 0.471   | ug/l # | 70       |
| 54) cis-1,3-Dichloropropene   | 7.592  | 75   | 1473     | 0.518   | ug/l # | 65       |
| 55) 1,1,2-Trichloroethane     | 8.380  | 97   | 1327     | 0.611   | ug/l # | 86       |
| 56) Ethyl methacrylate        | 8.322  | 69   | 1397     | 0.436   | ug/l # | 81       |
| 57) 1,3-Dichloropropane       | 8.550  | 76   | 1834     | 0.518   | ug/l   | 96       |
| 59) 2-Hexanone                | 8.688  | 43   | 9040     | 3.384   | ug/l   | 91       |
| 60) Dibromochloromethane      | 8.788  | 129  | 989      | 0.435   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 8.904  | 107  | 1128     | 0.539   | ug/l   | 93       |
| 64) Tetrachloroethene         | 8.531  | 164  | 1443     | 0.758   | ug/l   | 89       |
| 65) Chlorobenzene             | 9.421  | 112  | 3996     | 0.693   | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 9.505  | 131  | 1029     | 0.524   | ug/l # | 62       |
| 67) Ethyl Benzene             | 9.550  | 91   | 6147     | 0.640   | ug/l   | 94       |
| 68) m/p-Xylenes               | 9.675  | 106  | 4001     | 1.128   | ug/l   | 89       |
| 69) o-Xylene                  | 10.081 | 106  | 2200     | 0.601   | ug/l   | 98       |
| 70) Styrene                   | 10.103 | 104  | 3570     | 0.607   | ug/l   | 89       |
| 71) Bromoform                 | 10.274 | 173  | 899      | 0.569   | ug/l # | 85       |
| 73) Isopropylbenzene          | 10.463 | 105  | 5747     | 0.605   | ug/l   | 98       |
| 74) N-amyl acetate            | 10.325 | 43   | 2245     | 0.678   | ug/l # | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 10.756 | 83   | 2159     | 0.592   | ug/l # | 92       |
| 76) 1,2,3-Trichloropropane    | 10.608 | 75   | 83405    | 21.883  | ug/l # | 100      |
| 77) Bromobenzene              | 10.762 | 156  | 1680     | 0.703   | ug/l   | 91       |
| 78) n-propylbenzene           | 10.884 | 91   | 8050     | 0.739   | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 10.965 | 91   | 4821     | 0.684   | ug/l   | 83       |
| 80) 1,3,5-Trimethylbenzene    | 11.068 | 105  | 4840     | 0.607   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 10.608 | 75   | 83405    | 116.579 | ug/l # | 7        |
| 82) 4-Chlorotoluene           | 11.077 | 91   | 6383     | 0.797   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.399 | 119  | 4755     | 0.573   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.447 | 105  | 5084     | 0.650   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.621 | 105  | 7130     | 0.680   | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 11.769 | 119  | 6195     | 0.736   | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene       | 11.727 | 146  | 3905     | 0.869   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 11.727 | 146  | 3905     | 0.831   | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.190 | 91   | 8663     | 1.121   | ug/l   | 96       |
| 90) Hexachloroethane          | 12.447 | 117  | 479      | 0.373   | ug/l   | 74       |
| 91) 1,2-Dichlorobenzene       | 12.193 | 146  | 3687     | 0.822   | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.971 | 75   | 195      | 0.261   | ug/l # | 24       |
| 93) 1,2,4-Trichlorobenzene    | 13.820 | 180  | 4343     | 1.519   | ug/l   | 92       |
| 94) Hexachlorobutadiene       | 13.994 | 225  | 1184     | 0.822   | ug/l   | 95       |
| 95) Naphthalene               | 14.071 | 128  | 16958    | 2.190   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 14.302 | 180  | 4231     | 1.592   | ug/l   | 95       |

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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

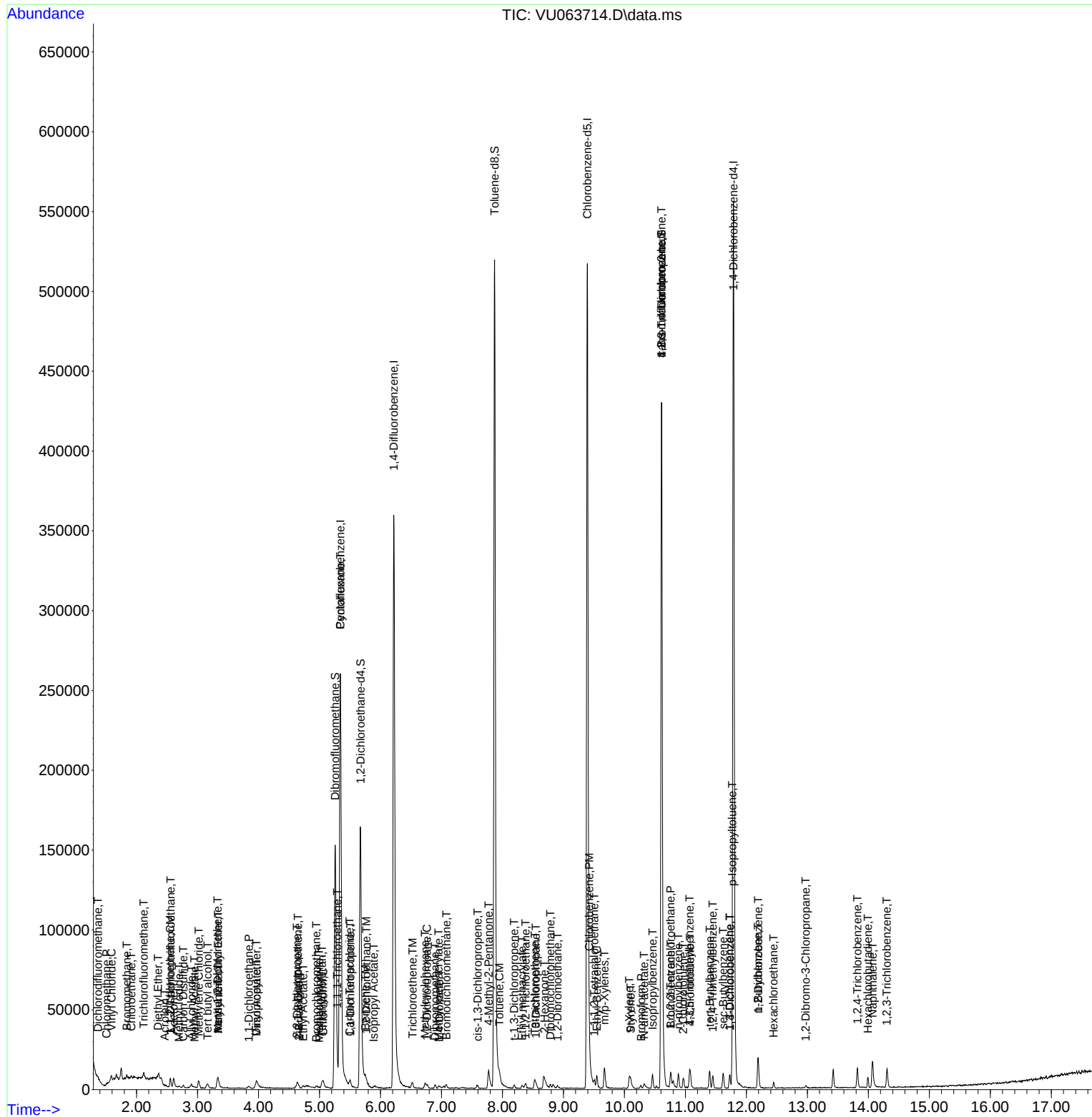
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U111025W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 14 04:59:23 2025  
Response via : Initial Calibration

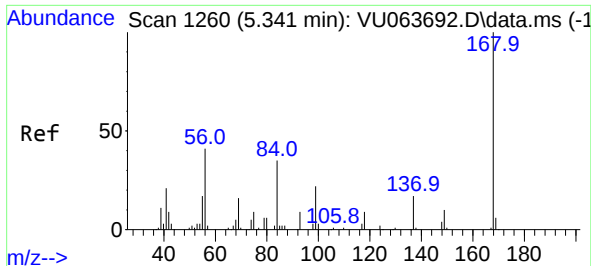
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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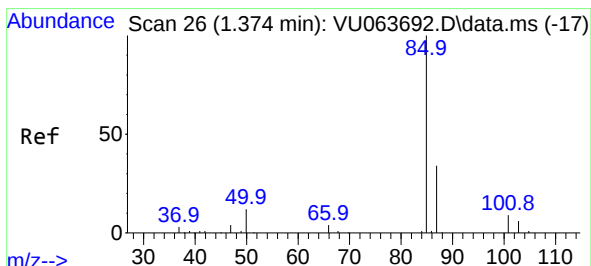
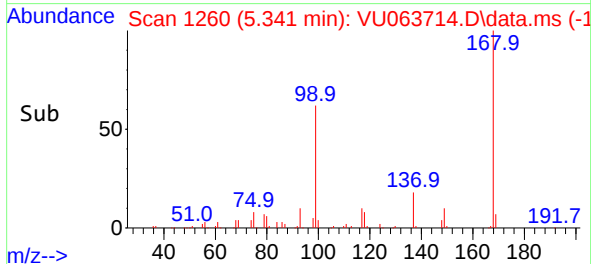
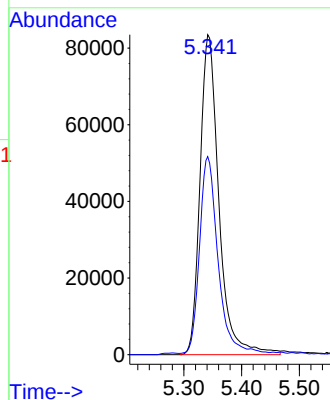
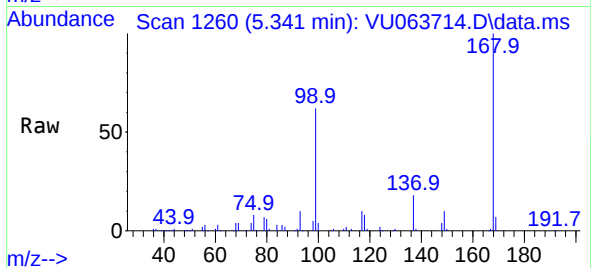




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.341 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

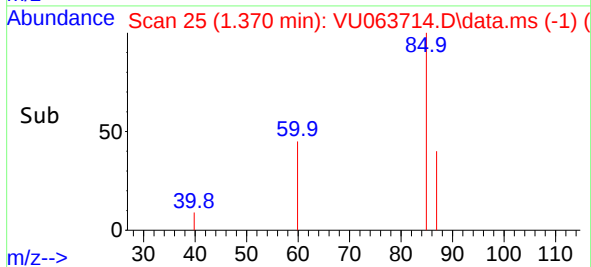
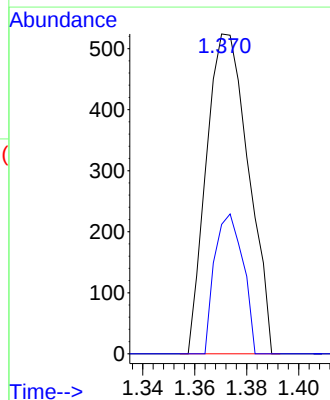
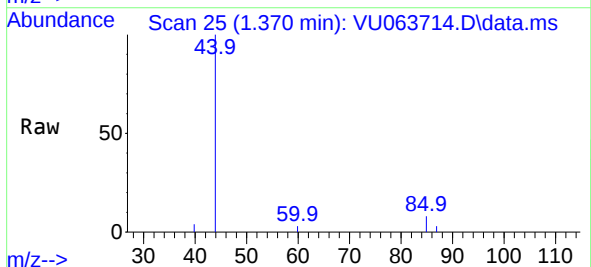
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

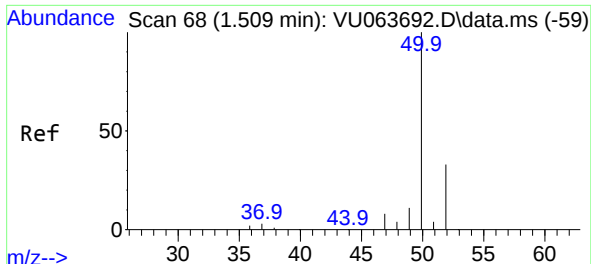
Tgt Ion:168 Resp: 189202  
Ion Ratio Lower Upper  
168 100  
99 61.5 48.2 72.4



#2  
Dichlorodifluoromethane  
Concen: 0.516 ug/l  
RT: 1.370 min Scan# 25  
Delta R.T. -0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 85 Resp: 590  
Ion Ratio Lower Upper  
85 100  
87 40.5 17.0 51.0

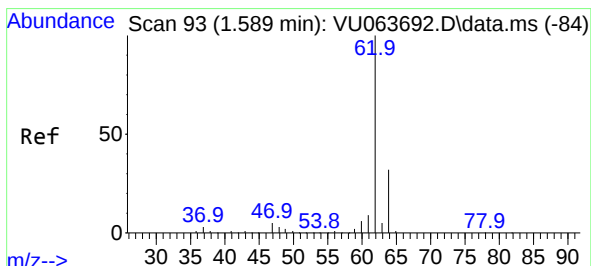
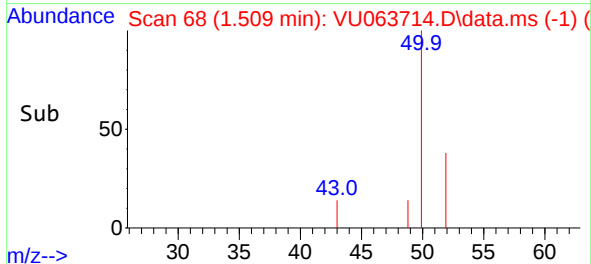
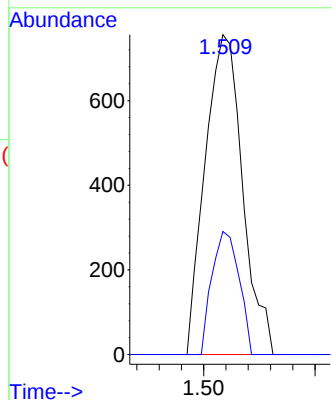
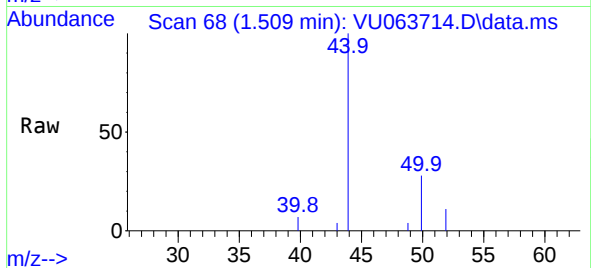




#3  
Chloromethane  
Concen: 0.664 ug/l  
RT: 1.509 min Scan# 68  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

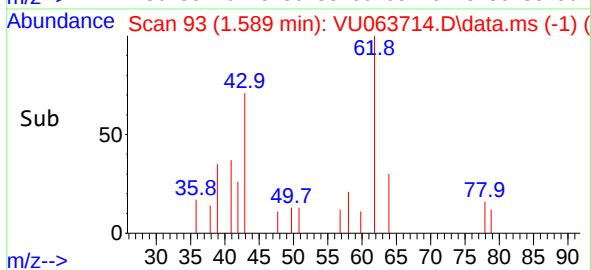
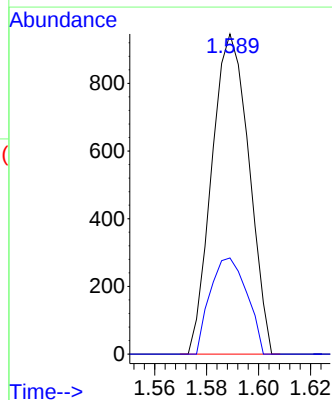
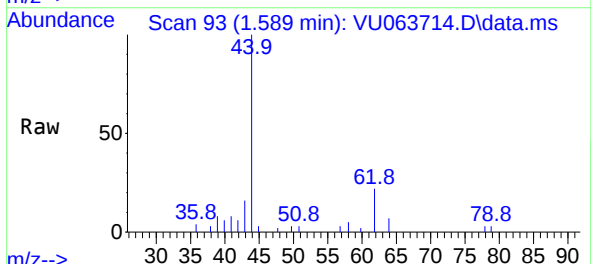
Instrument : MSVOA\_U  
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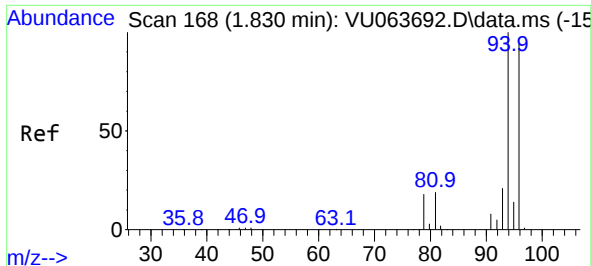
Tgt Ion: 50 Resp: 882  
Ion Ratio Lower Upper  
50 100  
52 38.5 26.3 39.5



#4  
Vinyl Chloride  
Concen: 0.668 ug/l  
RT: 1.589 min Scan# 93  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 62 Resp: 939  
Ion Ratio Lower Upper  
62 100  
64 30.0 25.9 38.9





#5

Bromomethane

Concen: 1.275 ug/l

RT: 1.840 min Scan# 11

Delta R.T. 0.010 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA\_U

ClientSampleId :

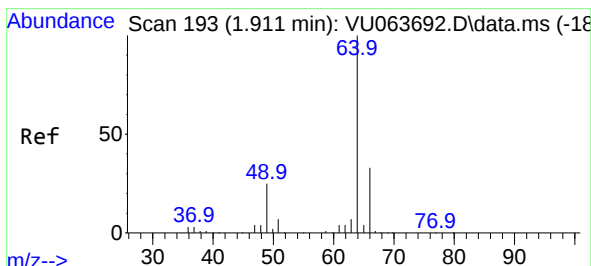
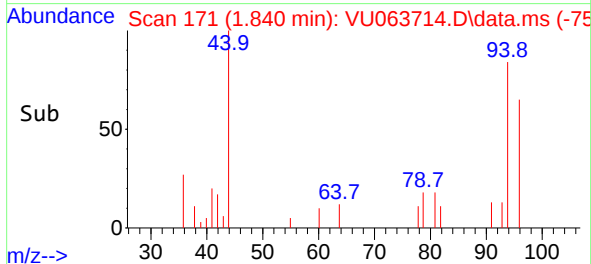
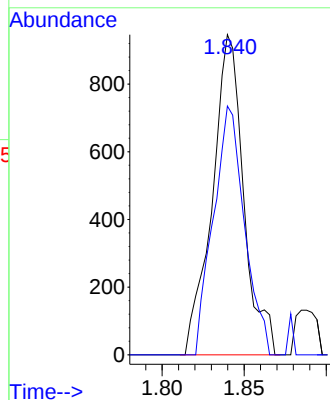
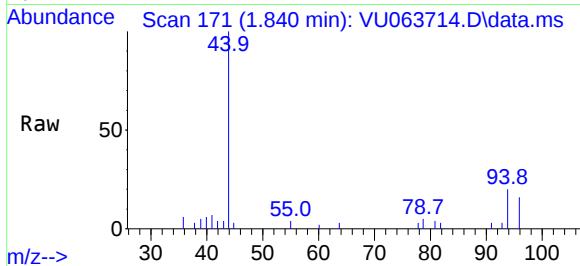
MDL-WATER-03-QT4-2025

Tgt Ion: 94 Resp: 1258

Ion Ratio Lower Upper

94 100

96 77.7 74.8 112.2



#6

Chloroethane

Concen: 0.919 ug/l

RT: 1.914 min Scan# 194

Delta R.T. 0.003 min

Lab File: VU063714.D

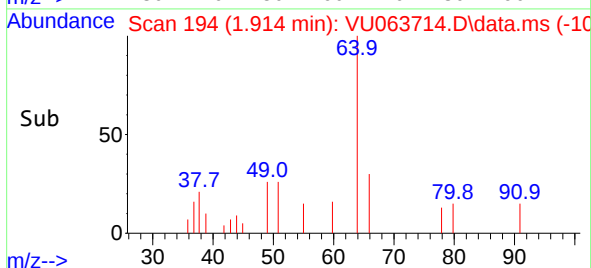
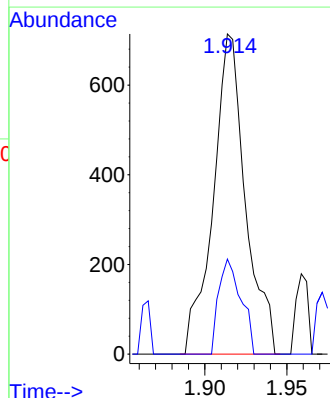
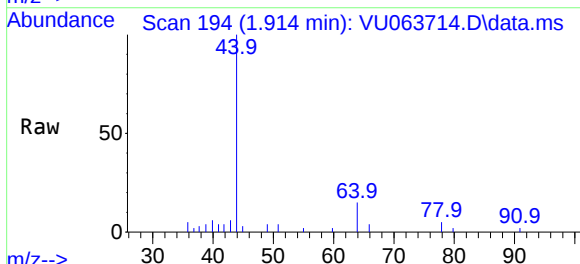
Acq: 12 Nov 2025 12:41

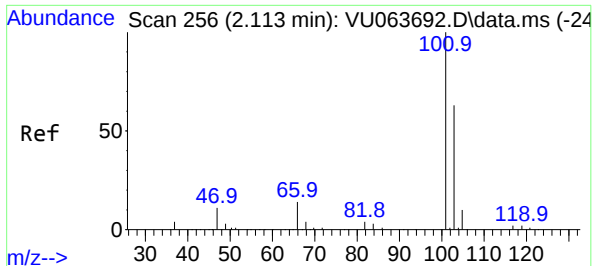
Tgt Ion: 64 Resp: 977

Ion Ratio Lower Upper

64 100

66 29.7 26.4 39.6

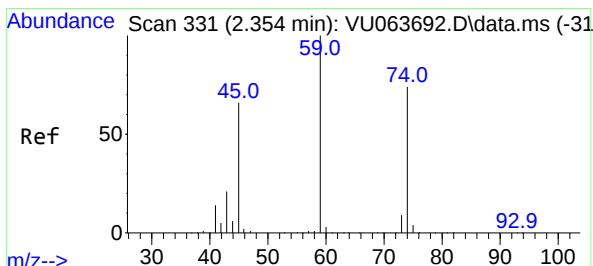
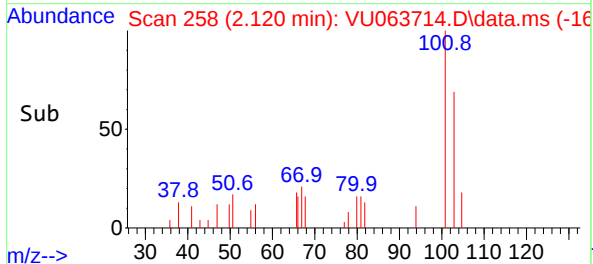
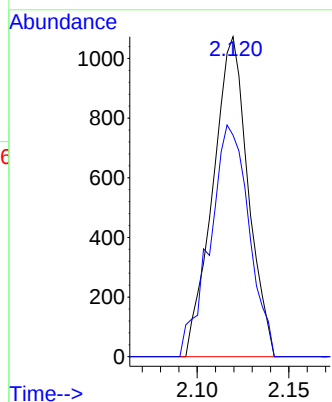
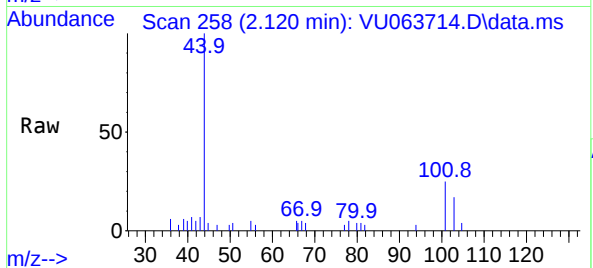




#7  
Trichlorofluoromethane  
Concen: 0.532 ug/l  
RT: 2.120 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

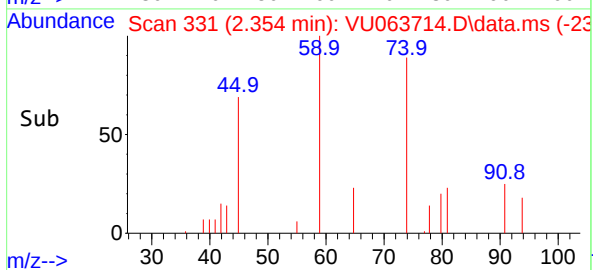
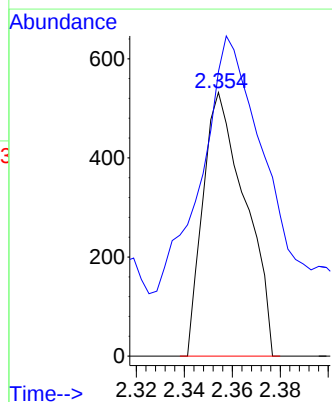
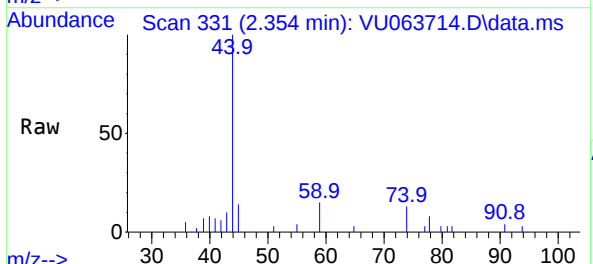
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

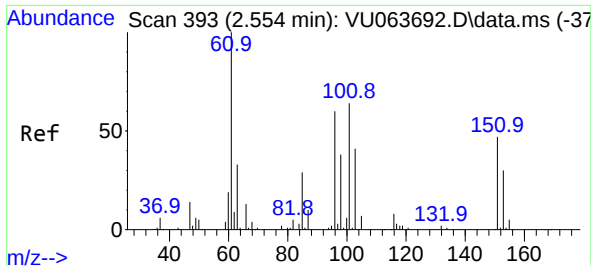
Tgt Ion:101 Resp: 1431  
Ion Ratio Lower Upper  
101 100  
103 69.2 50.3 75.5



#8  
Diethyl Ether  
Concen: 0.570 ug/l  
RT: 2.354 min Scan# 331  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 74 Resp: 652  
Ion Ratio Lower Upper  
74 100  
45 254.6 44.1 132.4#

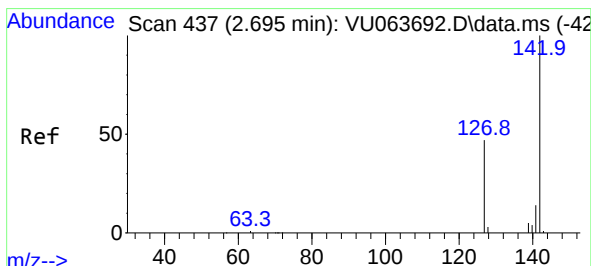
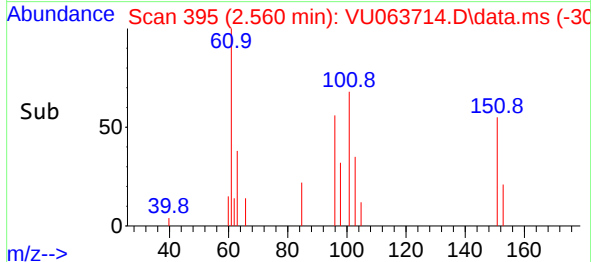
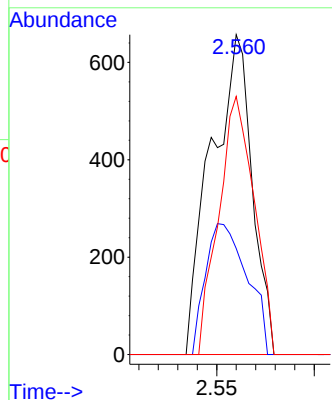
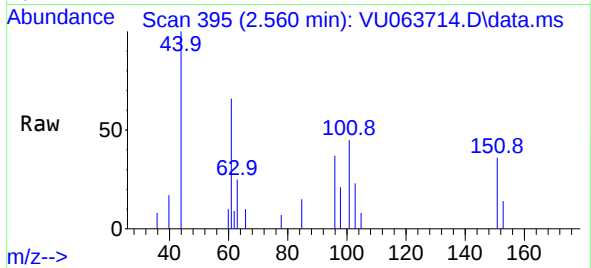




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.561 ug/l  
RT: 2.560 min Scan# 395  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

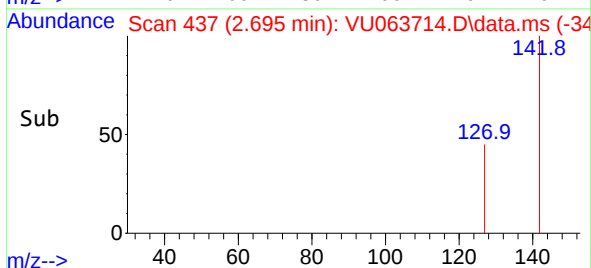
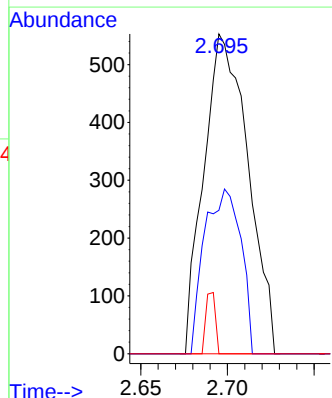
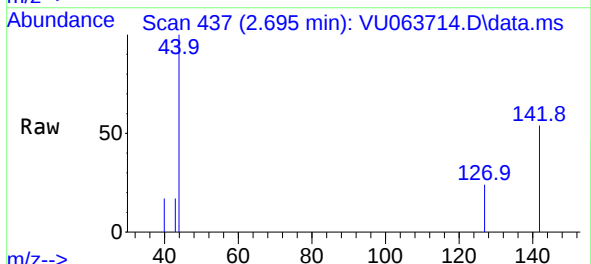
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

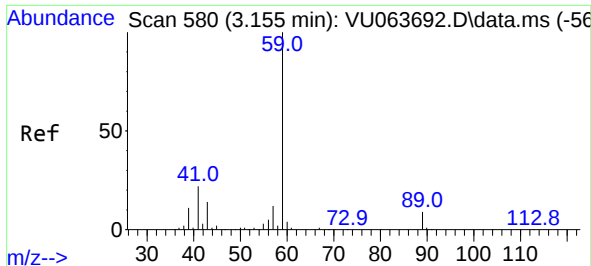
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 959   |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 41.7  | 36.2  | 54.4  |
| 151      | 70.3  | 58.5  | 87.7  |



#10  
Methyl Iodide  
Concen: 0.577 ug/l  
RT: 2.695 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 982   |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 42.3  | 37.2  | 55.8  |
| 141      | 4.1   | 11.4  | 17.0  |

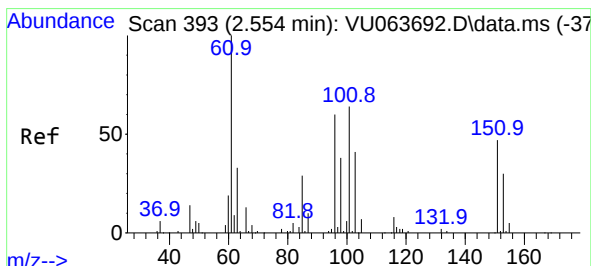
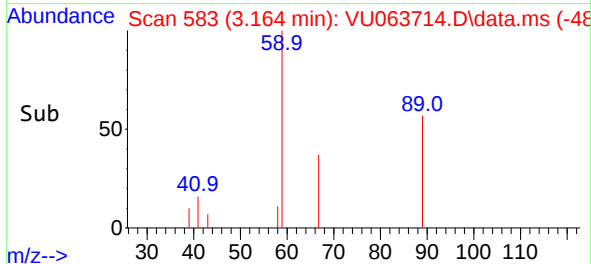
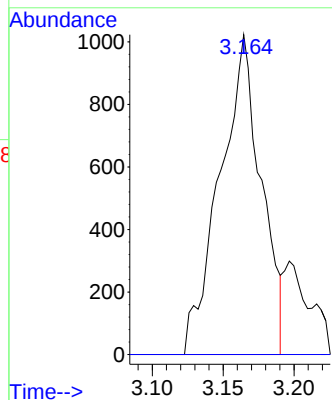
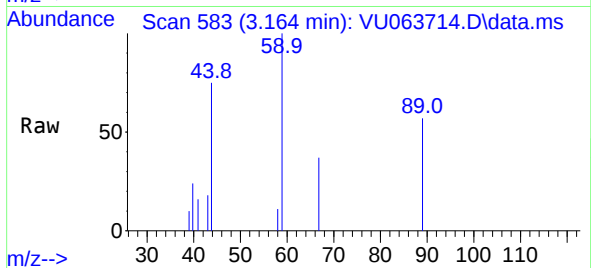




#11  
Tert butyl alcohol  
Concen: 3.176 ug/l  
RT: 3.164 min Scan# 580  
Delta R.T. 0.009 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

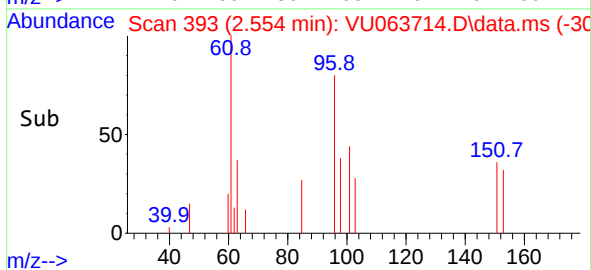
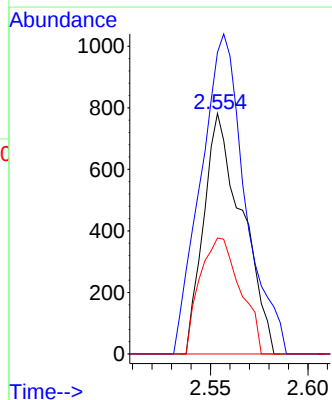
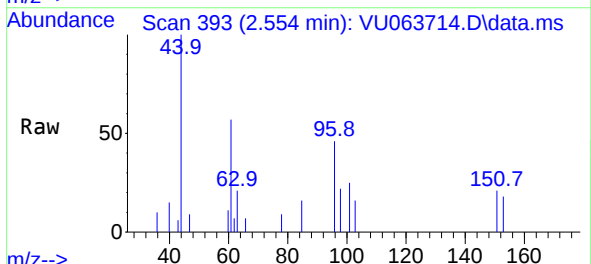
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

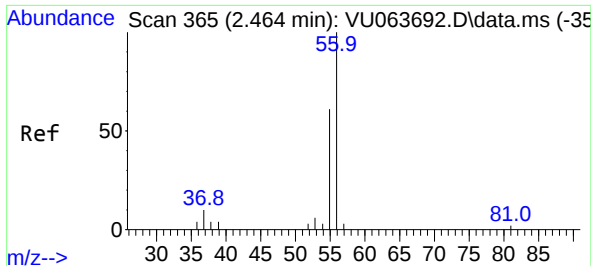
Tgt Ion: 59 Resp: 2071  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#



#12  
1,1-Dichloroethene  
Concen: 0.729 ug/l  
RT: 2.554 min Scan# 393  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 96 Resp: 1072  
Ion Ratio Lower Upper  
96 100  
61 112.4 133.1 199.7#  
98 48.2 50.7 76.1#





#13

Acrolein

Concen: 6.406 ug/l

RT: 2.464 min Scan# 3

Delta R.T. -0.000 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA\_U

ClientSampleId :

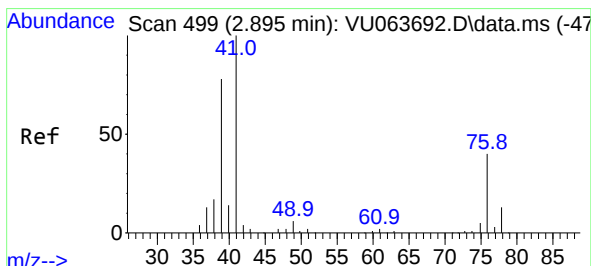
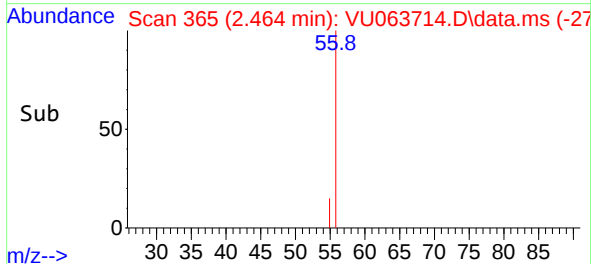
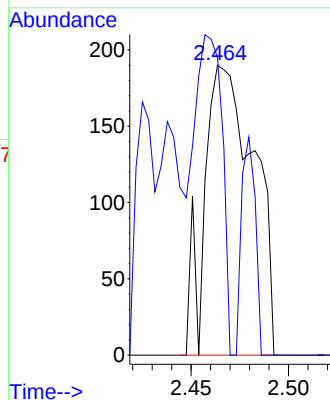
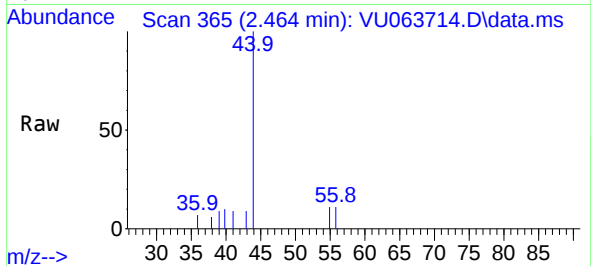
MDL-WATER-03-QT4-2025

Tgt Ion: 56 Resp: 334

Ion Ratio Lower Upper

56 100

55 61.7 47.1 70.7



#14

Allyl chloride

Concen: 0.629 ug/l

RT: 2.898 min Scan# 500

Delta R.T. 0.003 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

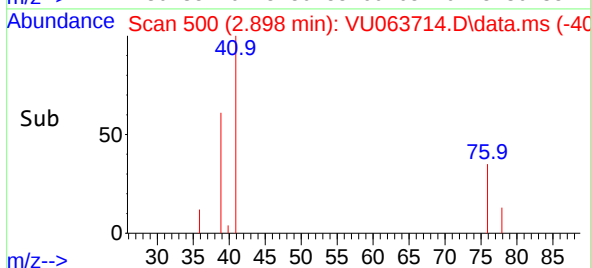
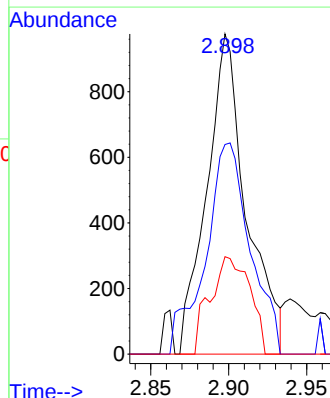
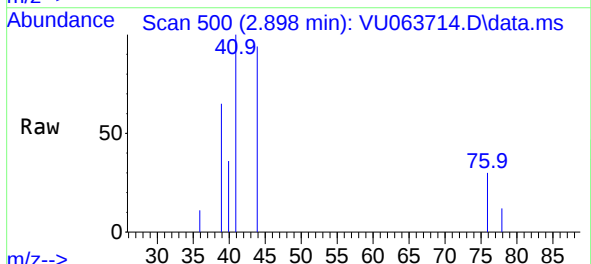
Tgt Ion: 41 Resp: 1725

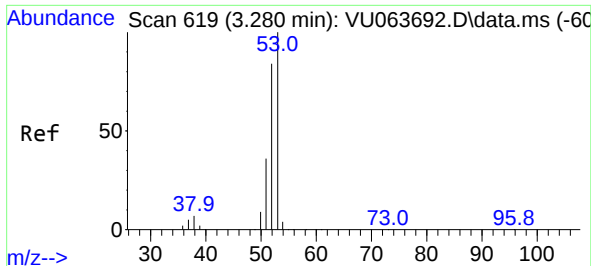
Ion Ratio Lower Upper

41 100

39 74.3 53.1 79.7

76 30.5 26.4 39.6

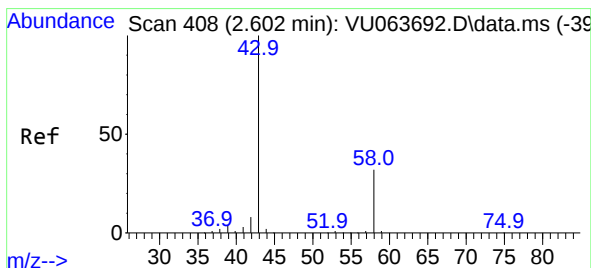
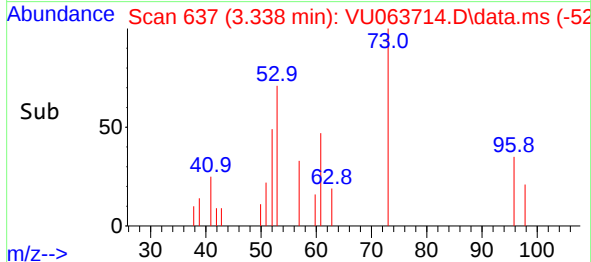
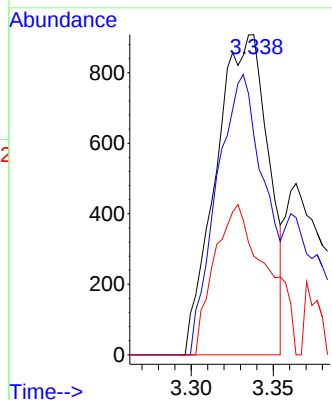
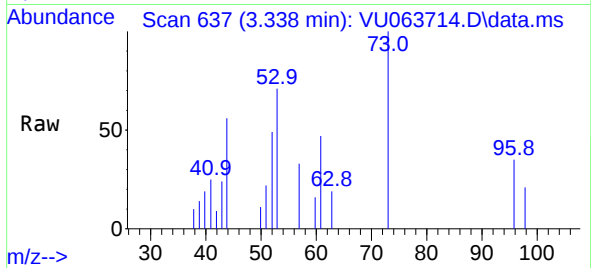




#15  
Acrylonitrile  
Concen: 1.513 ug/l  
RT: 3.338 min Scan# 61  
Delta R.T. 0.058 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

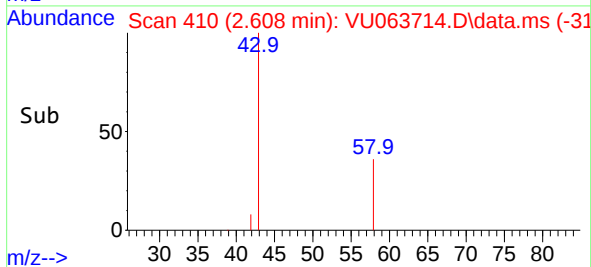
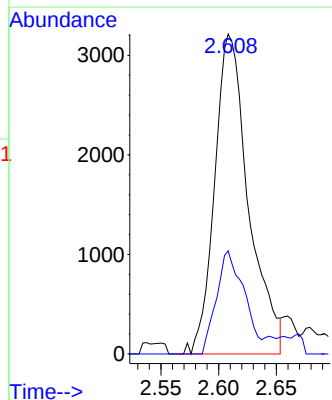
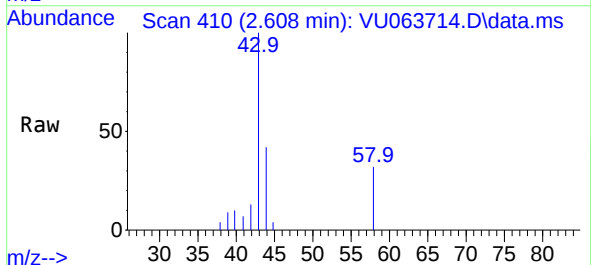
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

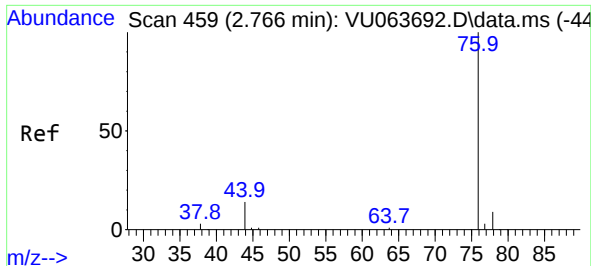
Tgt Ion: 53 Resp: 2020  
Ion Ratio Lower Upper  
53 100  
52 80.7 67.5 101.3  
51 46.9 29.0 43.6#



#16  
Acetone  
Concen: 3.590 ug/l  
RT: 2.608 min Scan# 410  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 43 Resp: 6563  
Ion Ratio Lower Upper  
43 100  
58 32.2 25.4 38.2

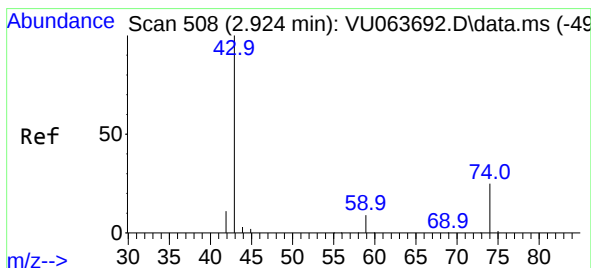
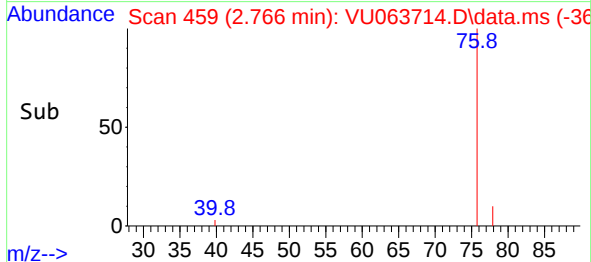
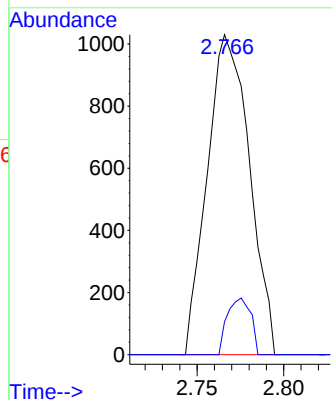
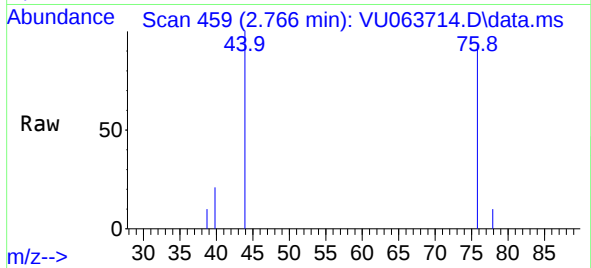




#17  
Carbon Disulfide  
Concen: 0.806 ug/l  
RT: 2.766 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

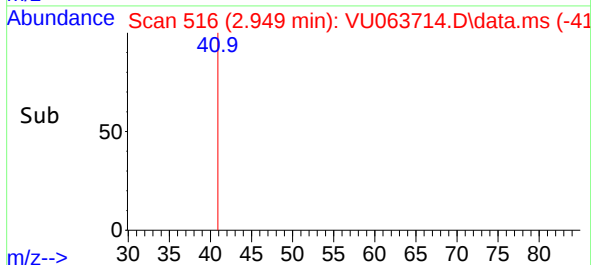
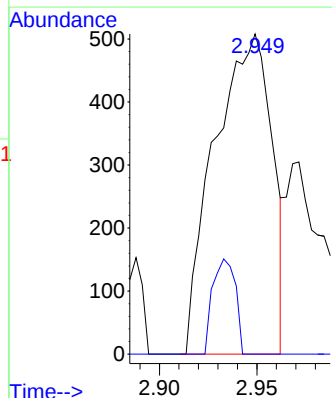
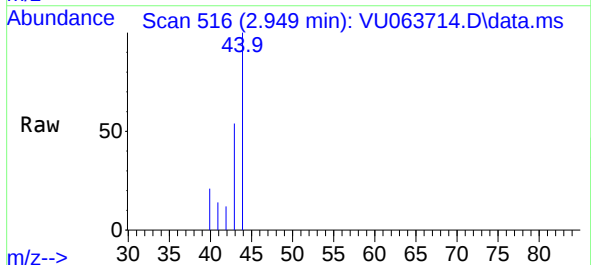
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

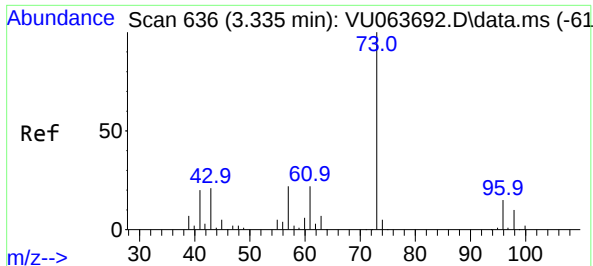
Tgt Ion: 76 Resp: 1744  
Ion Ratio Lower Upper  
76 100  
78 10.3 7.0 10.6



#18  
Methyl Acetate  
Concen: 0.240 ug/l  
RT: 2.949 min Scan# 516  
Delta R.T. 0.025 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 43 Resp: 1040  
Ion Ratio Lower Upper  
43 100  
74 11.7 20.6 31.0#

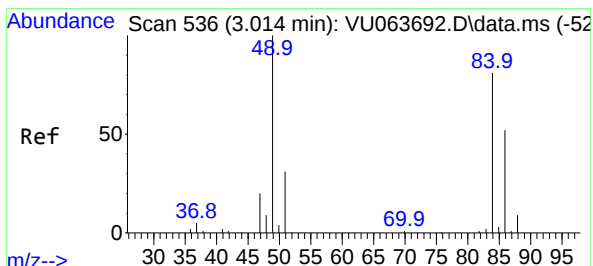
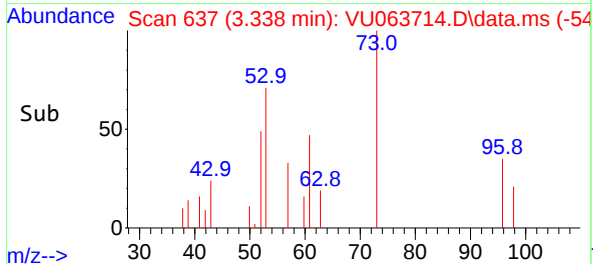
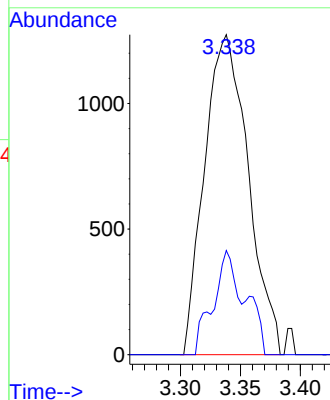
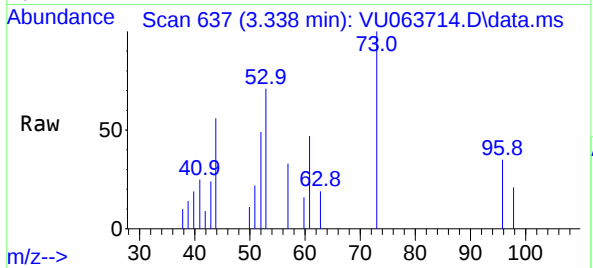




#19  
Methyl tert-butyl Ether  
Concen: 0.486 ug/l  
RT: 3.338 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

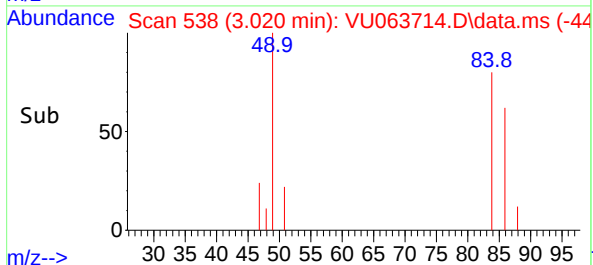
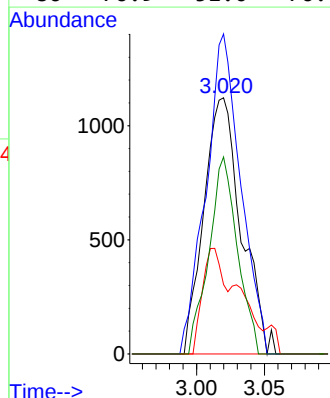
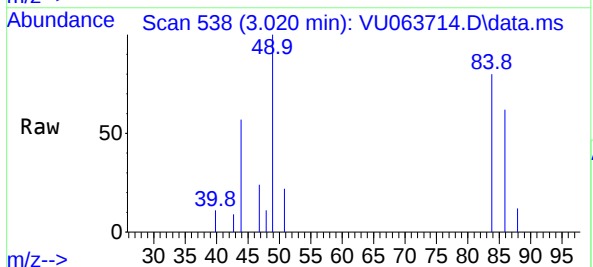
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

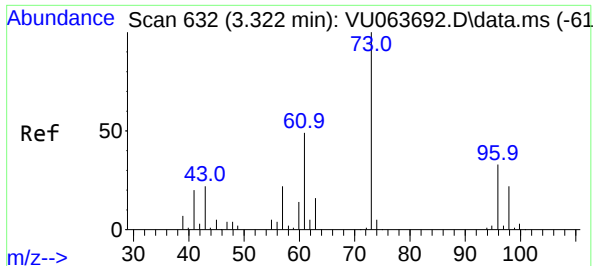
Tgt Ion: 73 Resp: 3224  
Ion Ratio Lower Upper  
73 100  
57 32.6 17.4 26.2#



#20  
Methylene Chloride  
Concen: 1.035 ug/l  
RT: 3.020 min Scan# 538  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 84 Resp: 2156  
Ion Ratio Lower Upper  
84 100  
49 125.0 98.4 147.6  
51 27.1 30.1 45.1#  
86 76.9 51.0 76.6#

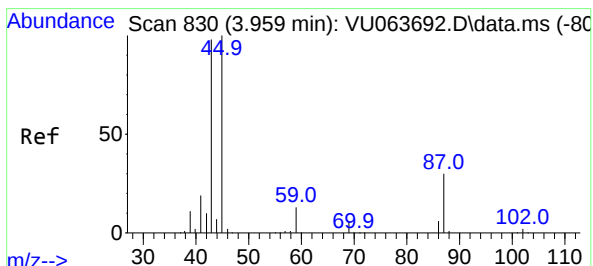
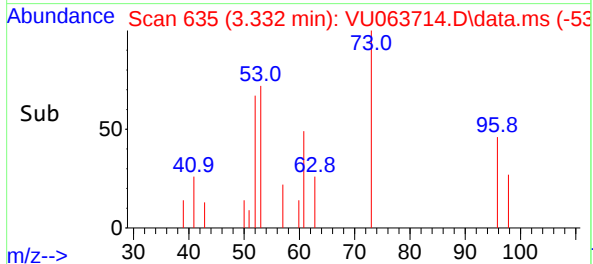
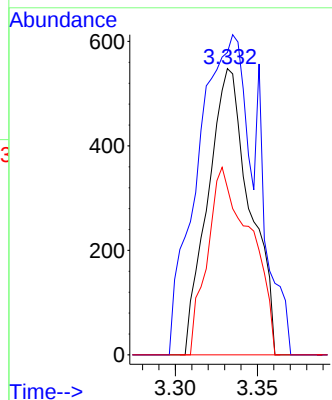
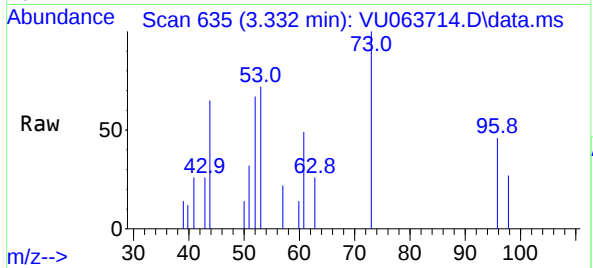




#21  
trans-1,2-Dichloroethene  
Concen: 0.648 ug/l  
RT: 3.332 min Scan# 61  
Delta R.T. 0.009 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

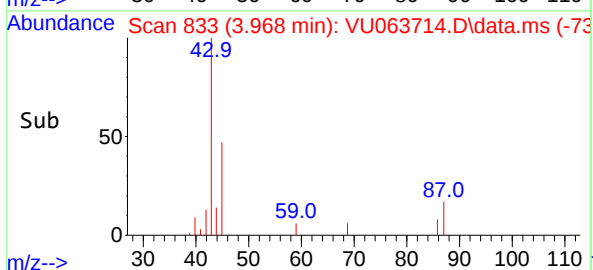
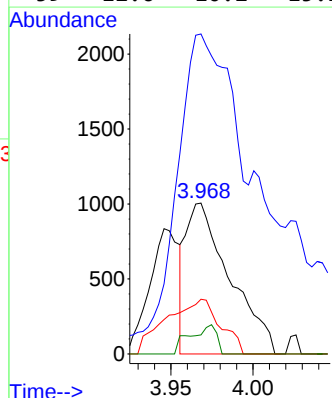
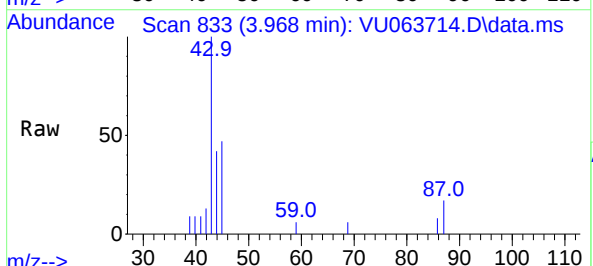
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

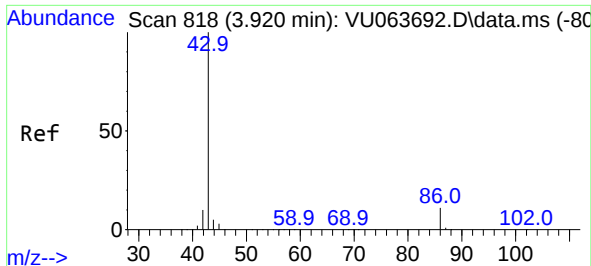
Tgt Ion: 96 Resp: 978  
Ion Ratio Lower Upper  
96 100  
61 81.8 117.5 176.3#  
98 58.4 52.7 79.1



#22  
Diisopropyl ether  
Concen: 0.309 ug/l  
RT: 3.968 min Scan# 833  
Delta R.T. 0.009 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 45 Resp: 1866  
Ion Ratio Lower Upper  
45 100  
43 127.2 78.1 117.1#  
87 36.3 23.8 35.8#  
59 12.6 10.2 15.2

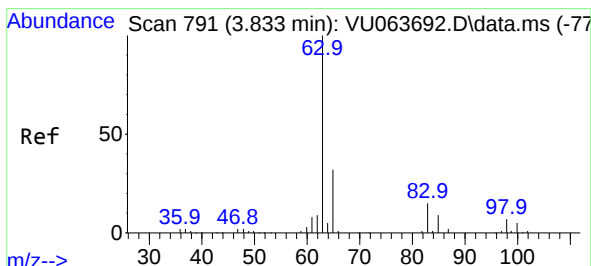
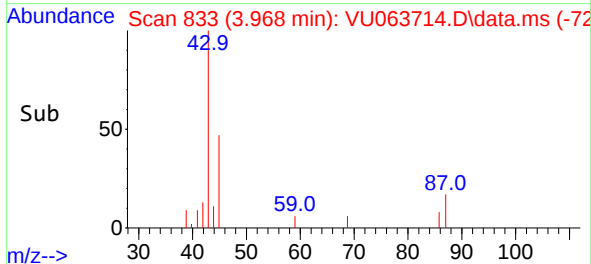
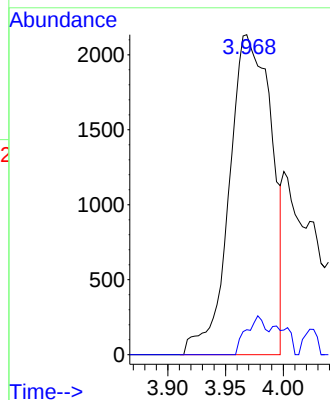
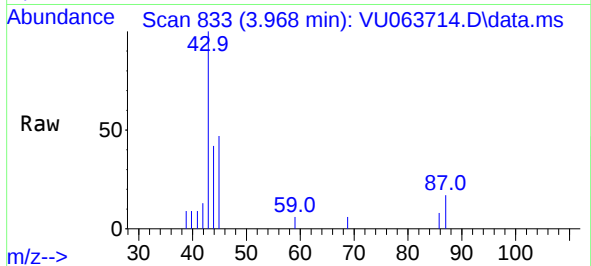




#23  
 Vinyl Acetate  
 Concen: 1.320 ug/l  
 RT: 3.968 min Scan# 818  
 Delta R.T. 0.048 min  
 Lab File: VU063714.D  
 Acq: 12 Nov 2025 12:41

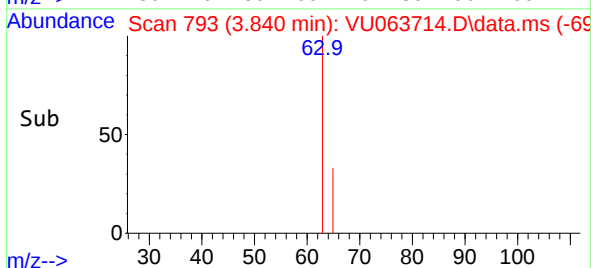
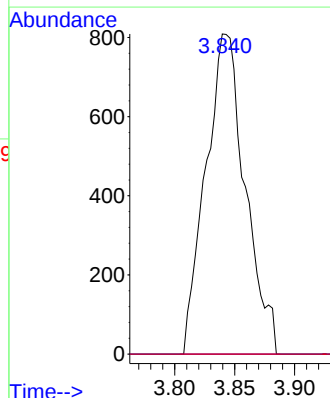
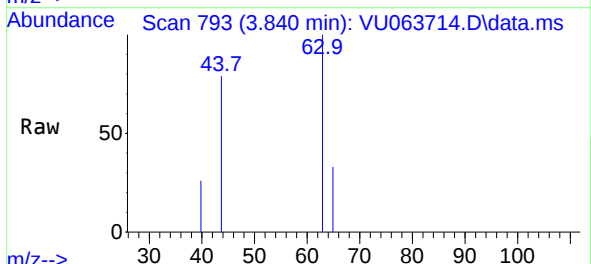
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-03-QT4-2025

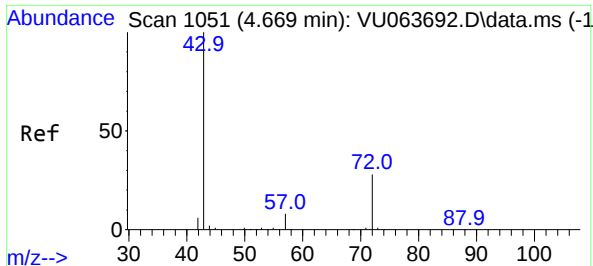
Tgt Ion: 43 Resp: 5441  
 Ion Ratio Lower Upper  
 43 100  
 86 7.8 8.7 13.1#



#24  
 1,1-Dichloroethane  
 Concen: 0.532 ug/l  
 RT: 3.840 min Scan# 793  
 Delta R.T. 0.006 min  
 Lab File: VU063714.D  
 Acq: 12 Nov 2025 12:41

Tgt Ion: 63 Resp: 1853  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 3.7 11.1#  
 100 0.0 2.5 7.5#

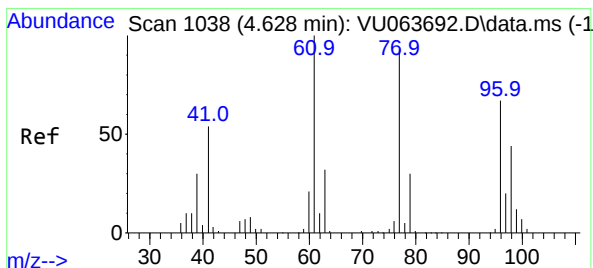
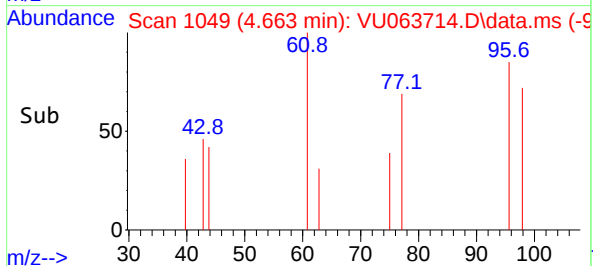
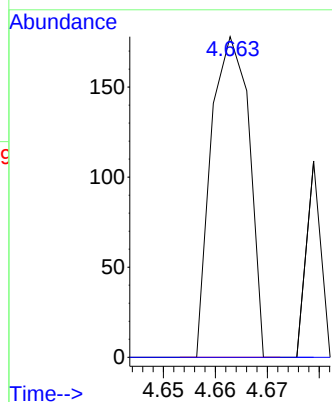
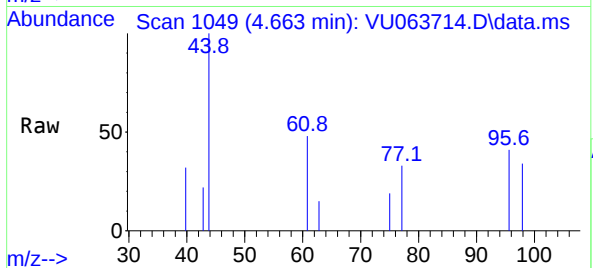




#25  
2-Butanone  
Concen: 0.047 ug/l  
RT: 4.663 min Scan# 1049  
Delta R.T. -0.007 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

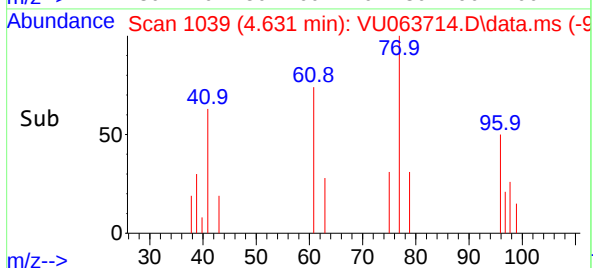
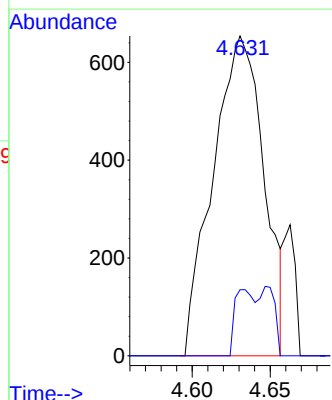
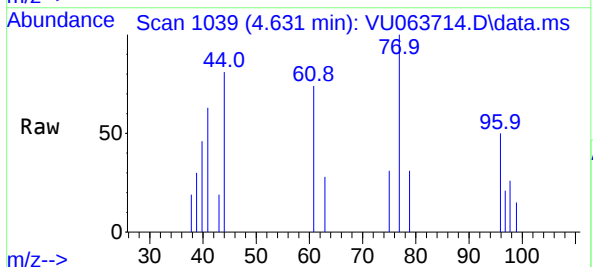
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MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

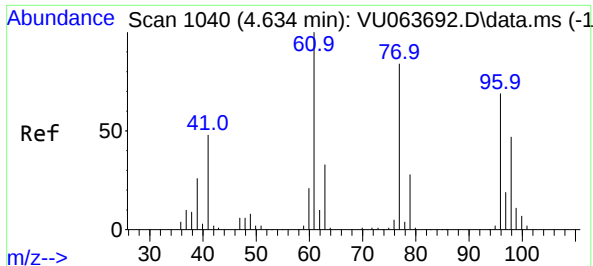
Tgt Ion: 43 Resp: 90  
Ion Ratio Lower Upper  
43 100  
72 0.0 22.0 33.0#



#26  
2,2-Dichloropropane  
Concen: 0.496 ug/l  
RT: 4.631 min Scan# 1039  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 77 Resp: 1484  
Ion Ratio Lower Upper  
77 100  
97 8.1 10.9 32.9#

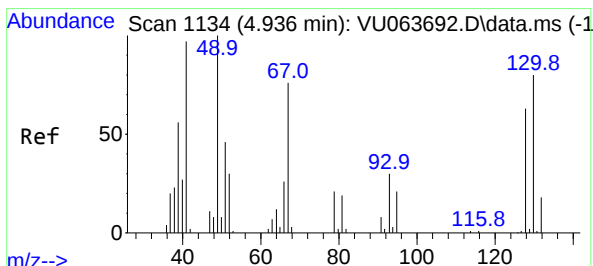
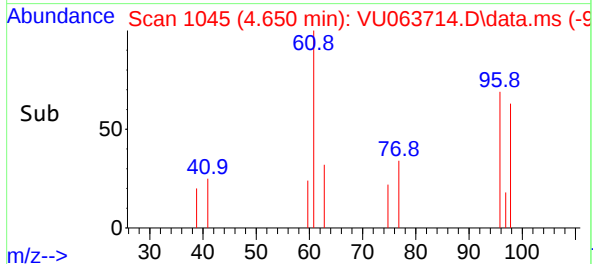
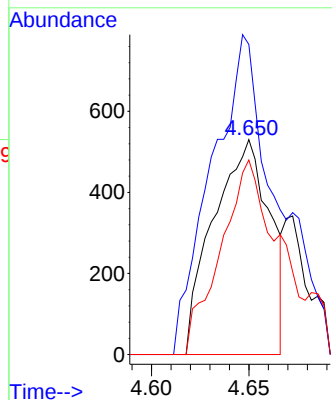
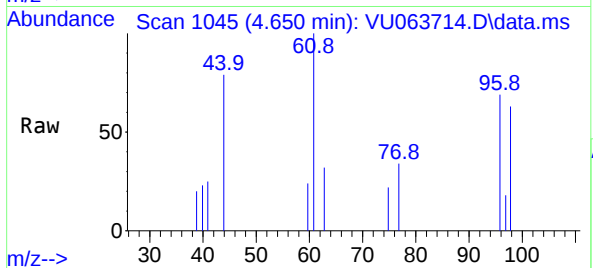




#27  
cis-1,2-Dichloroethene  
Concen: 0.482 ug/l  
RT: 4.650 min Scan# 1045  
Delta R.T. 0.016 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

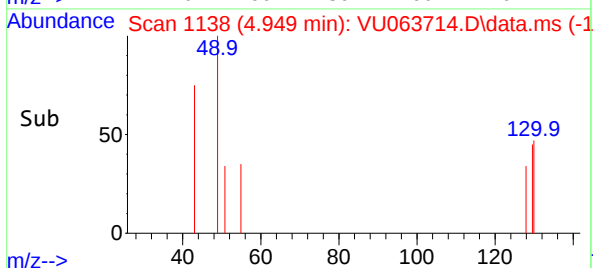
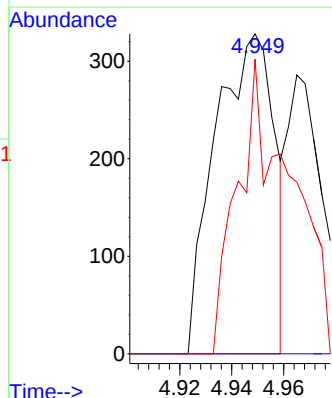
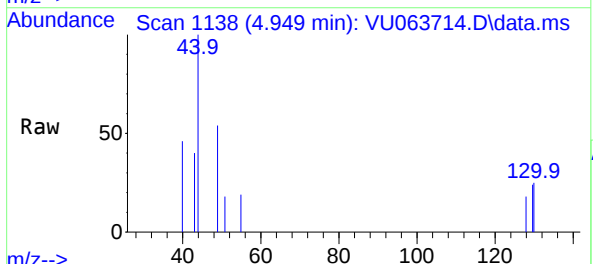
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

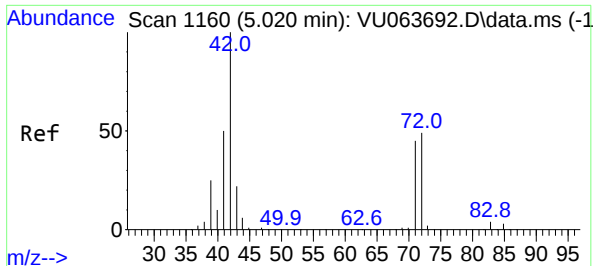
Tgt Ion: 96 Resp: 1063  
Ion Ratio Lower Upper  
96 100  
61 174.2 0.0 295.4  
98 92.8 0.0 131.8



#28  
Bromochloromethane  
Concen: 0.371 ug/l  
RT: 4.949 min Scan# 1138  
Delta R.T. 0.013 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 49 Resp: 518  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 3.6  
130 47.5 65.1 97.7#





#29

Tetrahydrofuran

Concen: 1.287 ug/l

RT: 5.042 min Scan# 1167

Delta R.T. 0.022 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-03-QT4-2025

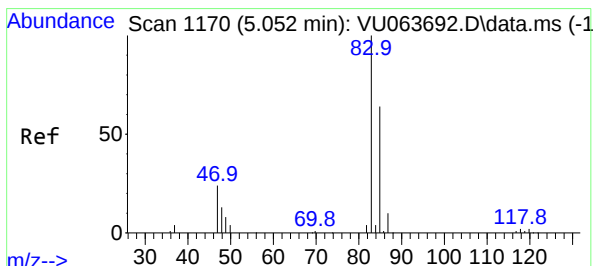
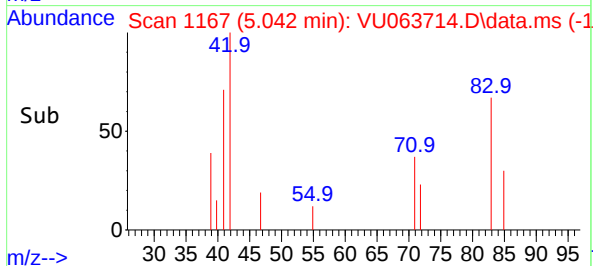
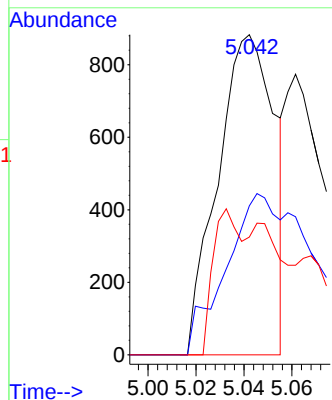
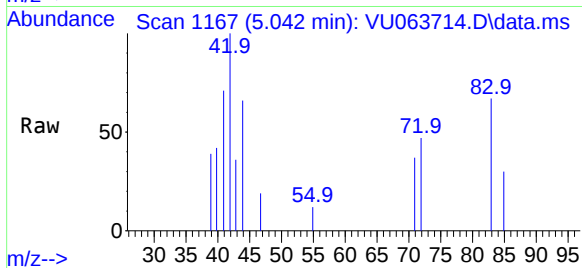
Tgt Ion: 42 Resp: 1441

Ion Ratio Lower Upper

42 100

72 76.1 40.0 60.0#

71 22.3 37.4 56.0#



#30

Chloroform

Concen: 0.624 ug/l

RT: 5.062 min Scan# 1173

Delta R.T. 0.009 min

Lab File: VU063714.D

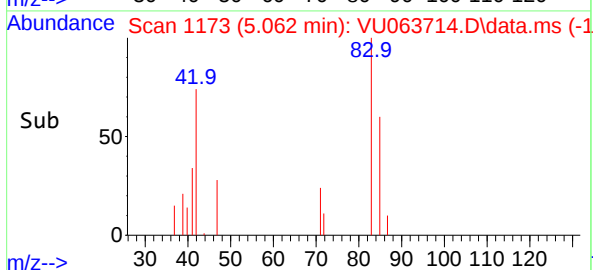
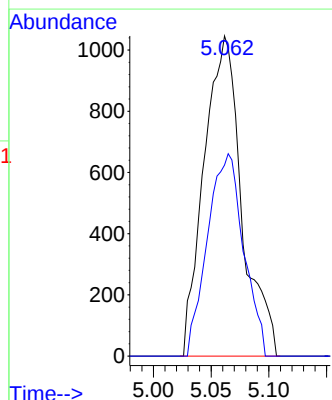
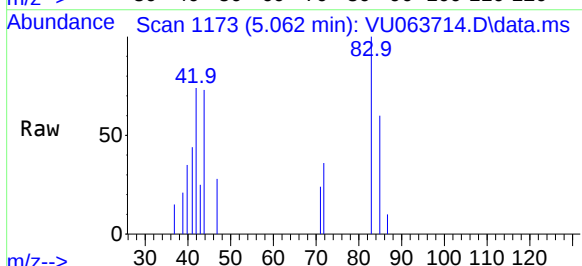
Acq: 12 Nov 2025 12:41

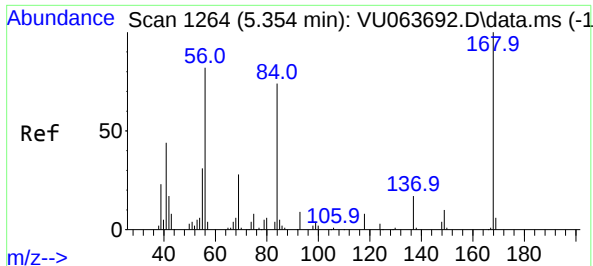
Tgt Ion: 83 Resp: 2381

Ion Ratio Lower Upper

83 100

85 59.7 51.0 76.6

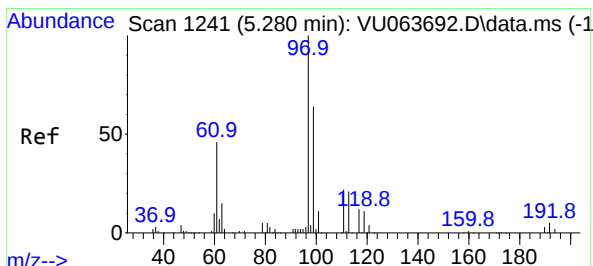
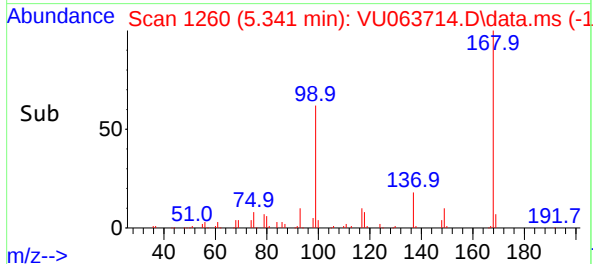
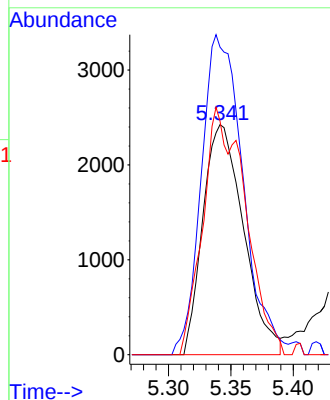
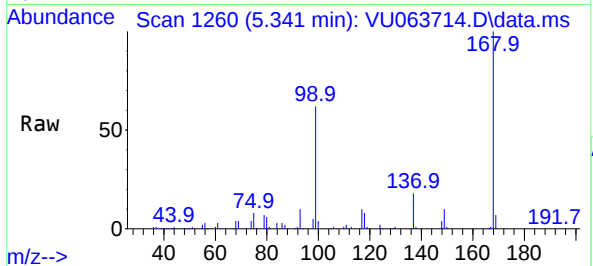




#31  
Cyclohexane  
Concen: 2.235 ug/l  
RT: 5.341 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

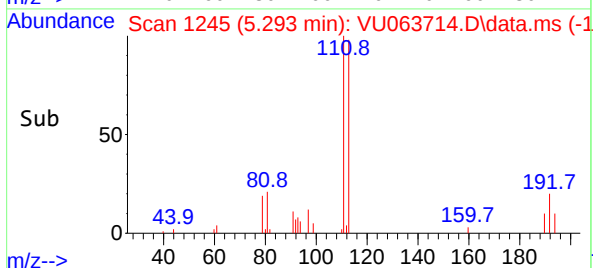
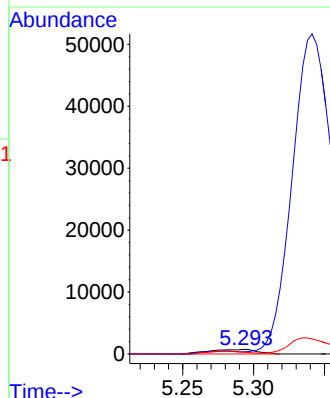
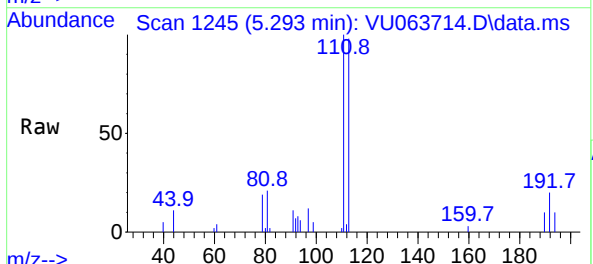
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

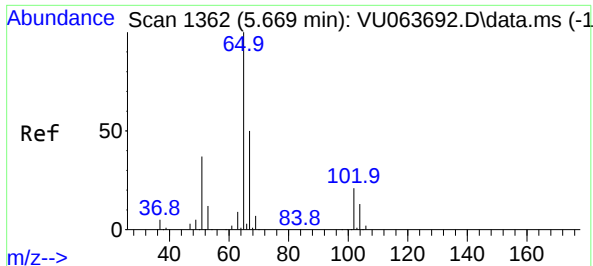
Tgt Ion: 56 Resp: 5500  
Ion Ratio Lower Upper  
56 100  
69 127.3 27.0 40.6#  
84 101.5 71.8 107.6



#32  
1,1,1-Trichloroethane  
Concen: 0.544 ug/l  
RT: 5.293 min Scan# 1245  
Delta R.T. 0.013 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 97 Resp: 1703  
Ion Ratio Lower Upper  
97 100  
99 0.0 49.8 74.8#  
61 49.6 36.6 55.0

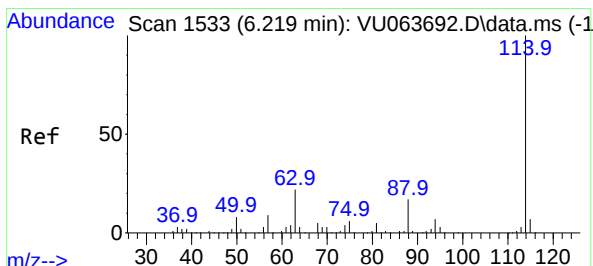
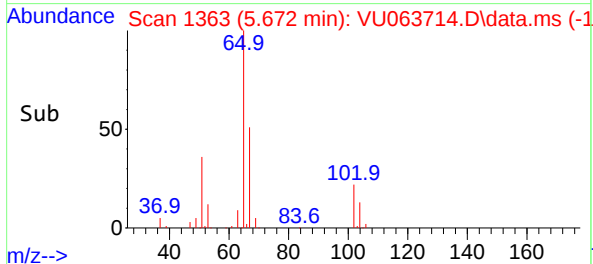
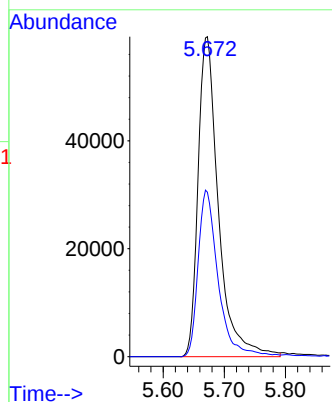
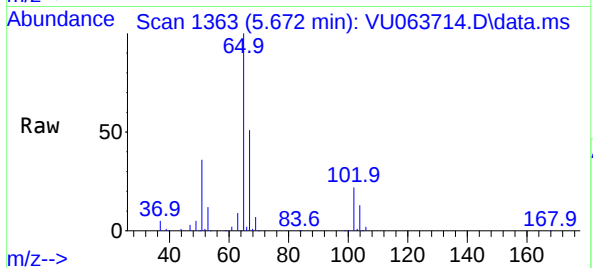




#33  
1,2-Dichloroethane-d4  
Concen: 48.991 ug/l  
RT: 5.672 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

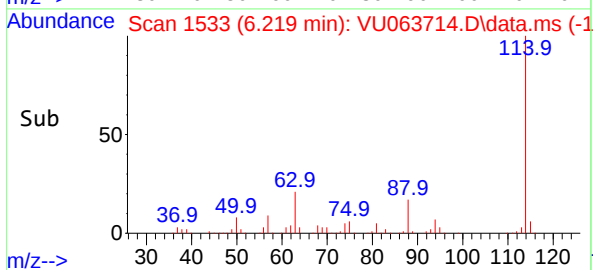
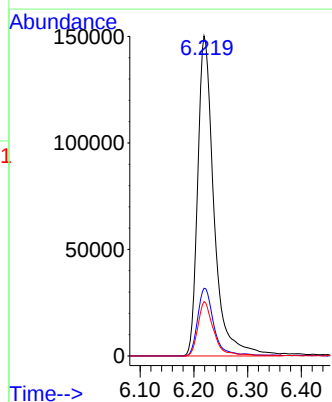
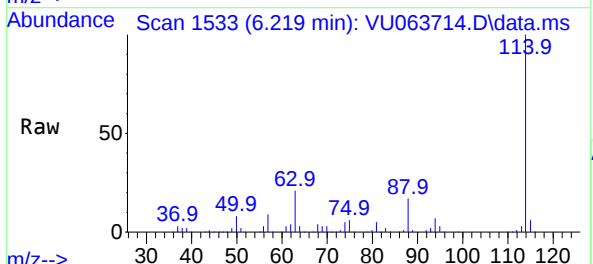
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

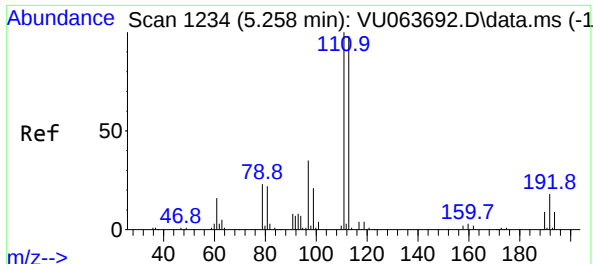
Tgt Ion: 65 Resp: 136928  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 101.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.219 min Scan# 1533  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion:114 Resp: 316778  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 44.0  
88 17.0 0.0 33.6

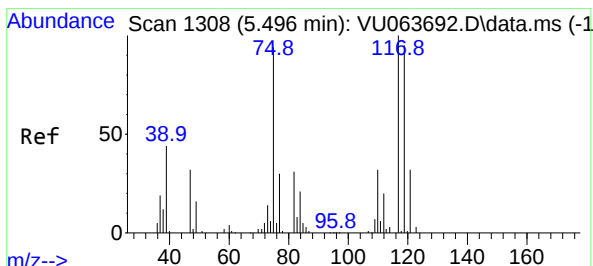
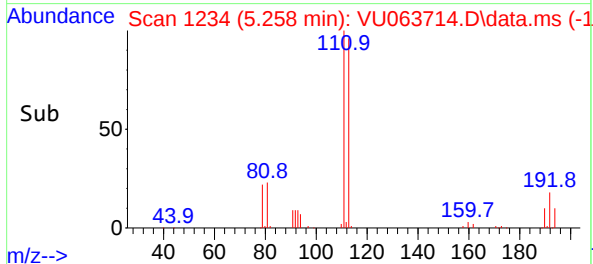
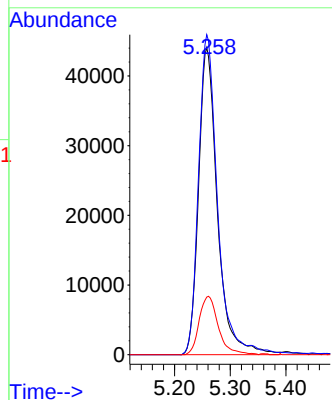
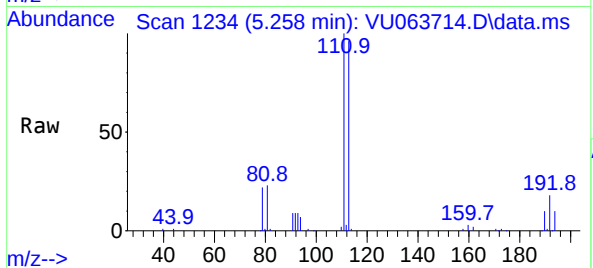




#35  
Dibromofluoromethane  
Concen: 46.825 ug/l  
RT: 5.258 min Scan# 111  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

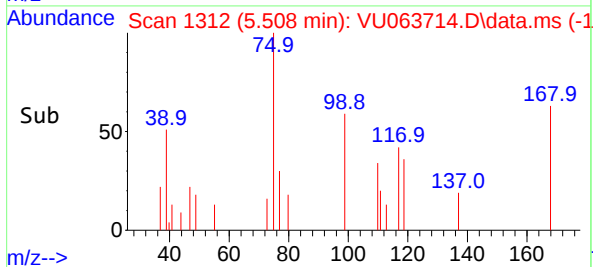
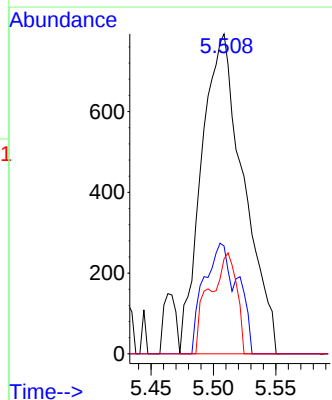
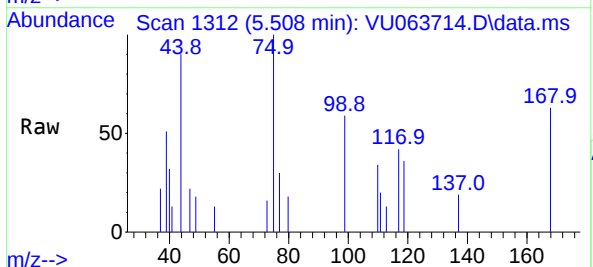
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

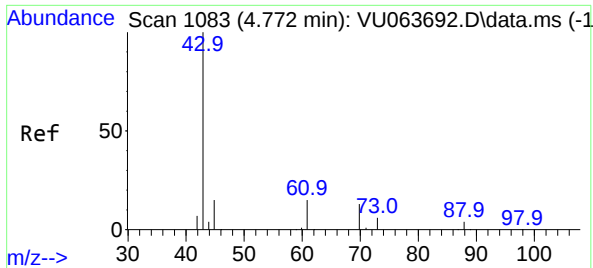
Tgt Ion:113 Resp: 103891  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.4 123.6  
192 19.3 15.4 23.0



#36  
1,1-Dichloropropene  
Concen: 0.822 ug/l  
RT: 5.508 min Scan# 1312  
Delta R.T. 0.013 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 75 Resp: 1856  
Ion Ratio Lower Upper  
75 100  
110 21.0 17.3 51.7  
77 20.2 24.4 36.6#

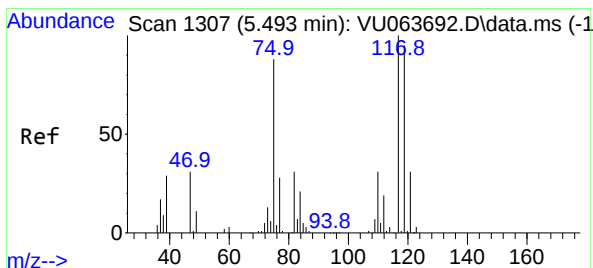
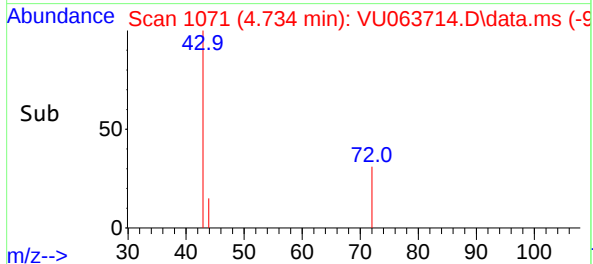
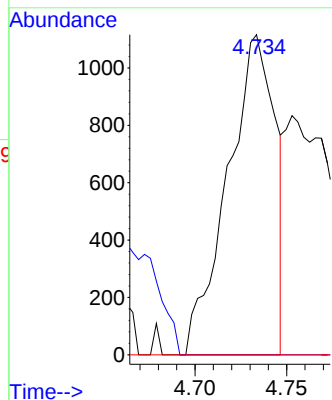
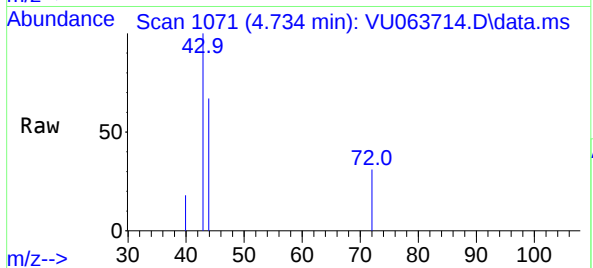




#37  
Ethyl Acetate  
Concen: 0.627 ug/l  
RT: 4.734 min Scan# 1071  
Delta R.T. -0.039 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

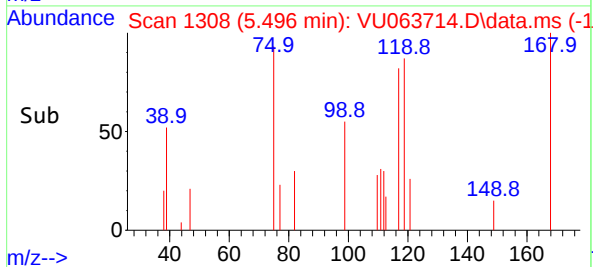
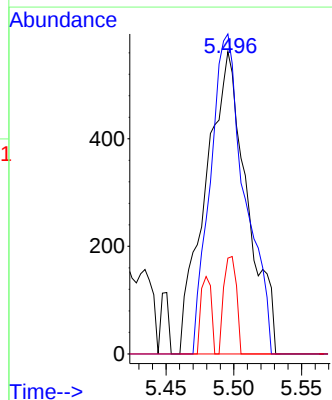
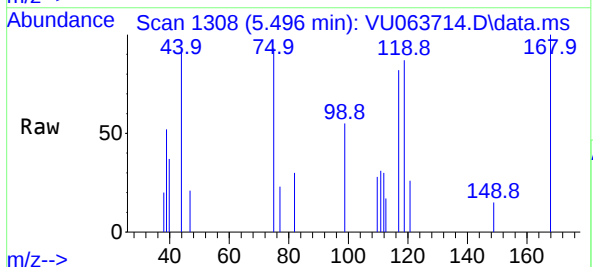
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

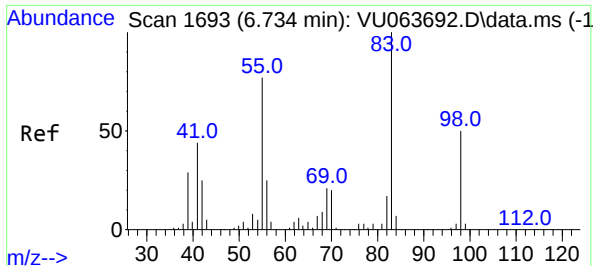
Tgt Ion: 43 Resp: 2006  
Ion Ratio Lower Upper  
43 100  
61 0.0 10.3 15.5#  
70 0.0 8.9 13.3#



#38  
Carbon Tetrachloride  
Concen: 0.490 ug/l  
RT: 5.496 min Scan# 1308  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 117 Resp: 1196  
Ion Ratio Lower Upper  
117 100  
119 105.9 76.1 114.1  
121 31.7 24.6 37.0





#39

Methylcyclohexane

Concen: 0.477 ug/l

RT: 6.730 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-03-QT4-2025

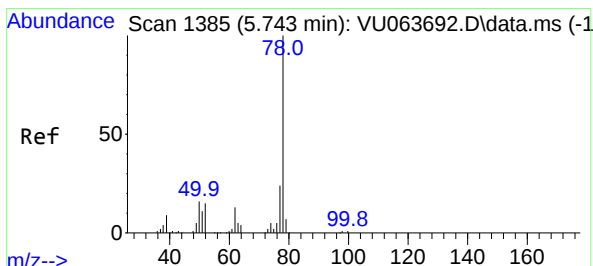
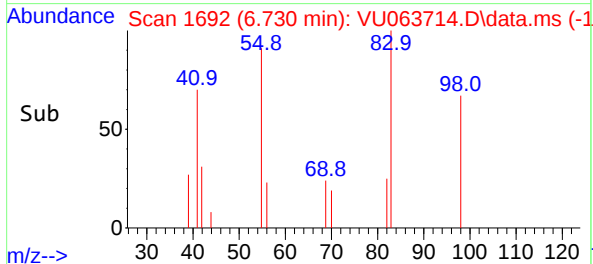
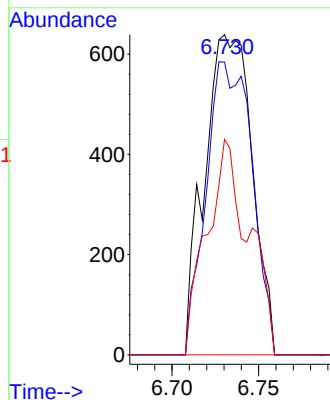
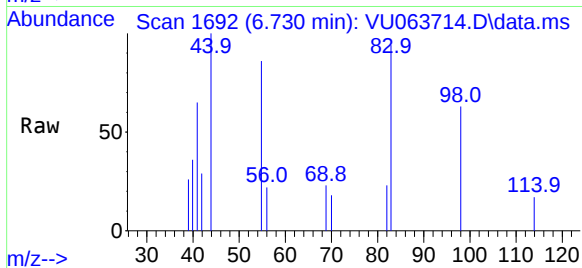
Tgt Ion: 83 Resp: 1224

Ion Ratio Lower Upper

83 100

55 91.4 61.6 92.4

98 67.3 40.0 60.0#



#40

Benzene

Concen: 0.570 ug/l

RT: 5.753 min Scan# 1388

Delta R.T. 0.009 min

Lab File: VU063714.D

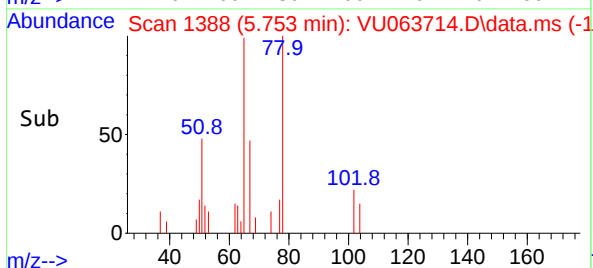
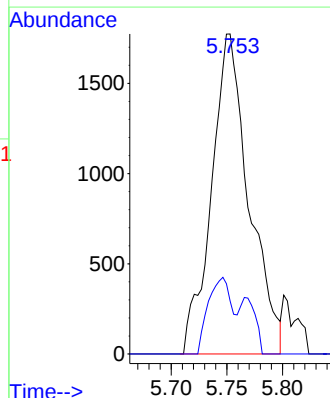
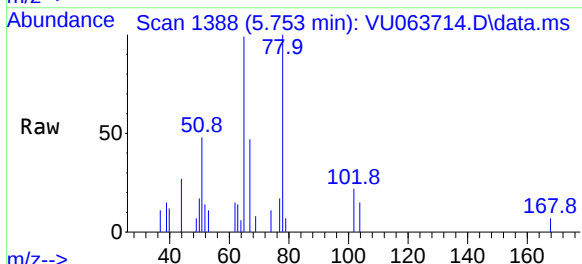
Acq: 12 Nov 2025 12:41

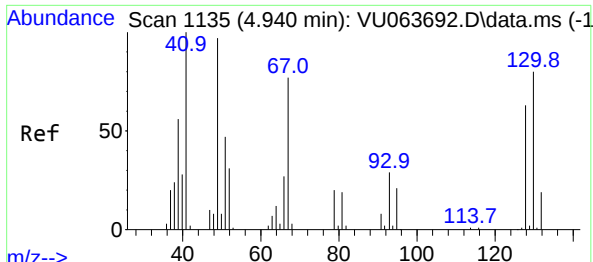
Tgt Ion: 78 Resp: 4151

Ion Ratio Lower Upper

78 100

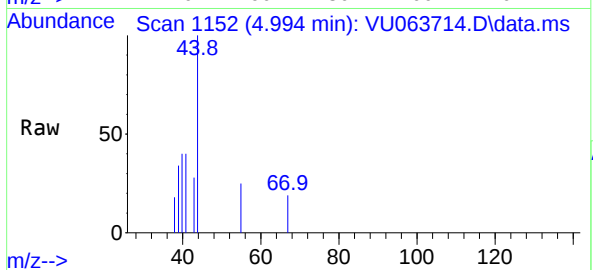
77 16.6 18.9 28.3#



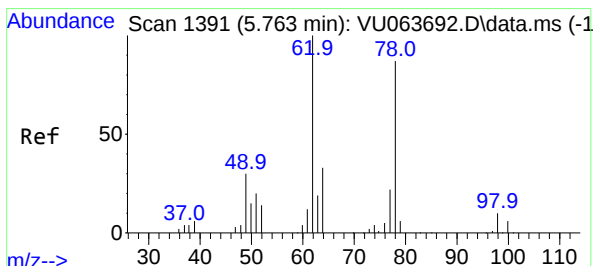
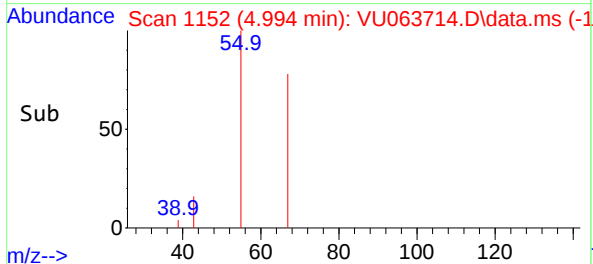
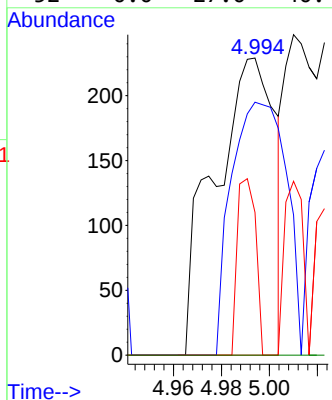


#41  
Methacrylonitrile  
Concen: 0.241 ug/l  
RT: 4.994 min Scan# 1135  
Delta R.T. 0.054 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

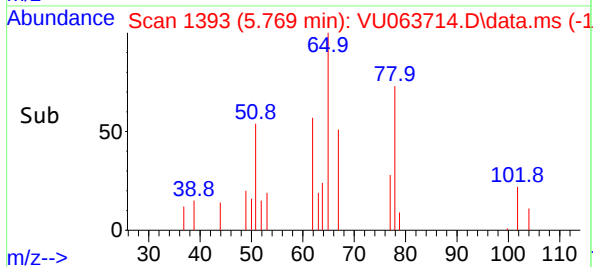
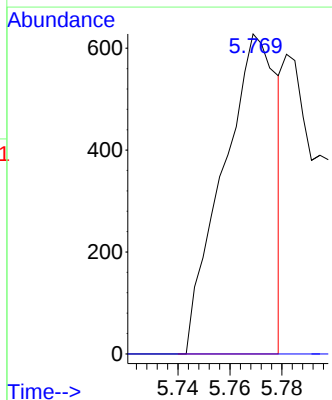
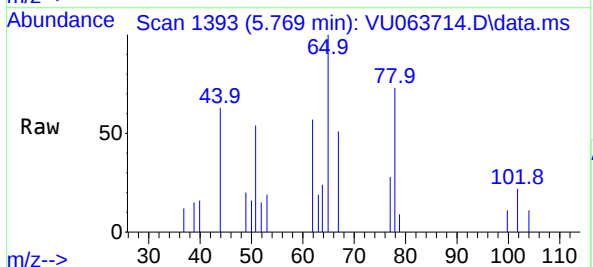


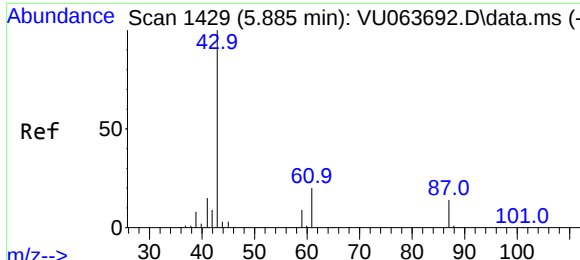
Tgt Ion: 41 Resp: 401  
Ion Ratio Lower Upper  
41 100  
39 77.1 44.7 67.1#  
67 18.2 67.4 101.2#  
52 0.0 27.0 40.4#



#42  
1,2-Dichloroethane  
Concen: 0.313 ug/l  
RT: 5.769 min Scan# 1393  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 62 Resp: 901  
Ion Ratio Lower Upper  
62 100  
98 0.0 0.0 18.2

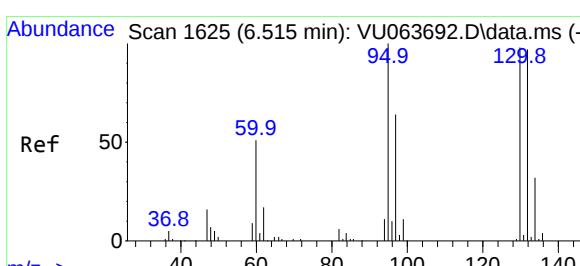
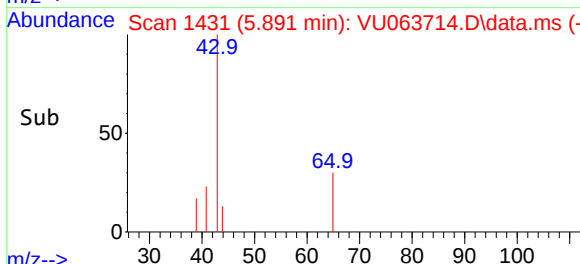
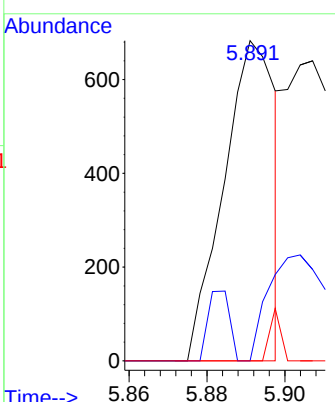
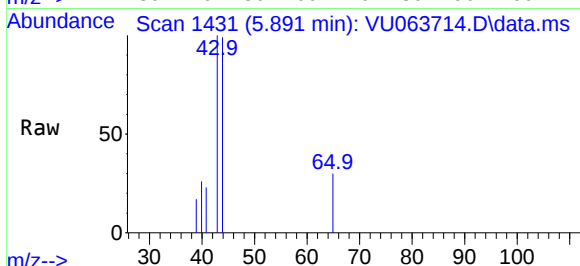




#43  
Isopropyl Acetate  
Concen: 0.134 ug/l  
RT: 5.891 min Scan# 1429  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

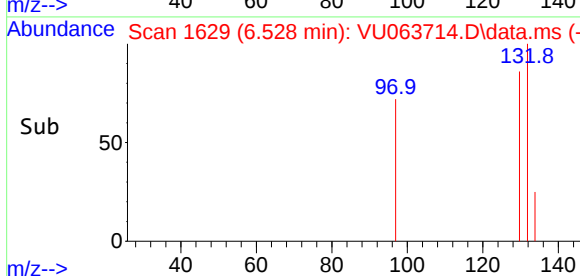
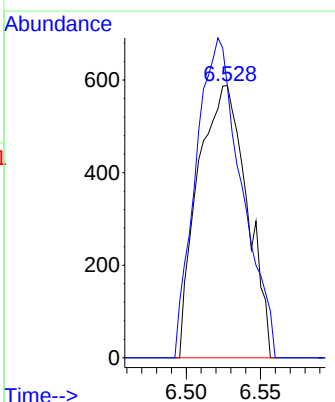
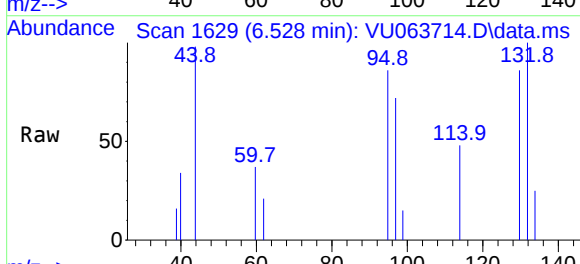
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-03-QT4-2025

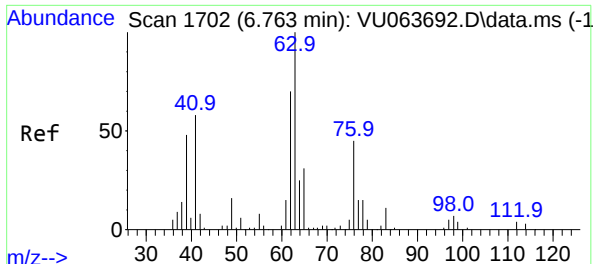
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 628   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 41.7  | 15.9  | 23.9# |
| 87       | 3.5   | 11.0  | 16.6# |



#44  
Trichloroethene  
Concen: 0.656 ug/l  
RT: 6.528 min Scan# 1629  
Delta R.T. 0.013 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 1341  |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 99.5  | 0.0   | 203.6 |





#45

1,2-Dichloropropane

Concen: 0.253 ug/l

RT: 6.762 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

MSVOA\_U

ClientSampleId :

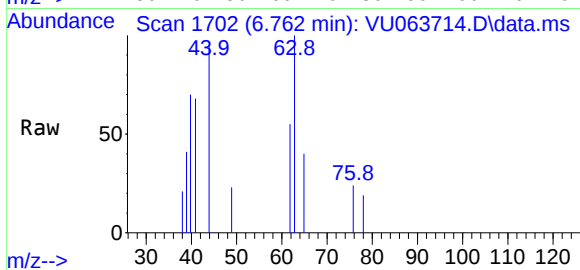
MDL-WATER-03-QT4-2025

Tgt Ion: 63 Resp: 501

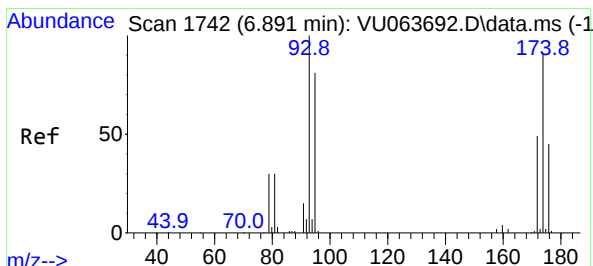
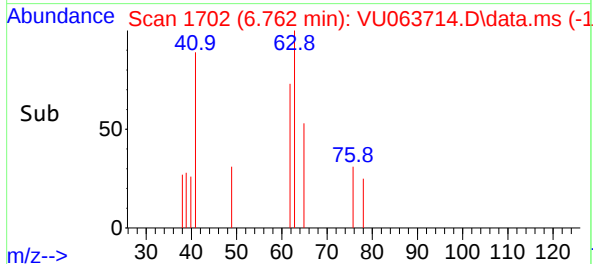
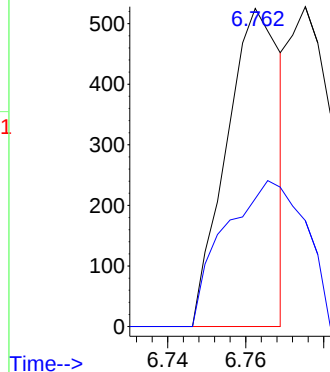
Ion Ratio Lower Upper

63 100

65 40.2 24.9 37.3#



Abundance



#46

Dibromomethane

Concen: 0.543 ug/l

RT: 6.894 min Scan# 1743

Delta R.T. 0.003 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

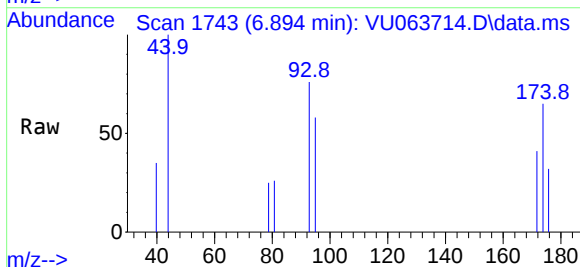
Tgt Ion: 93 Resp: 808

Ion Ratio Lower Upper

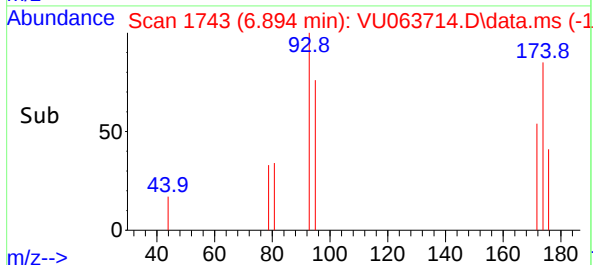
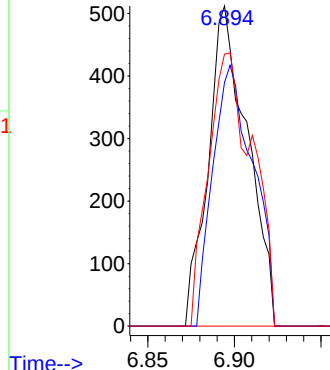
93 100

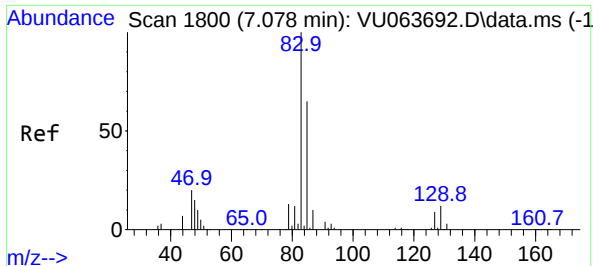
95 83.7 65.9 98.9

174 96.0 74.9 112.3



Abundance

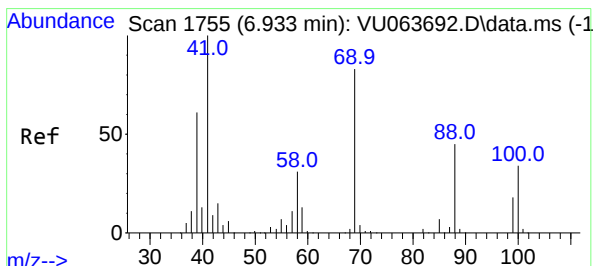
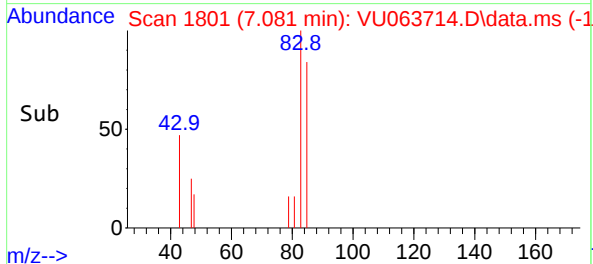
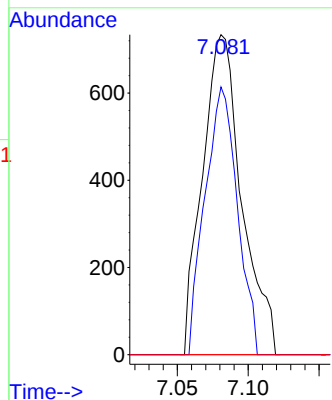
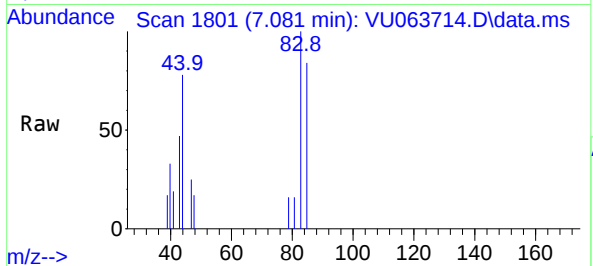




#47  
Bromodichloromethane  
Concen: 0.471 ug/l  
RT: 7.081 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

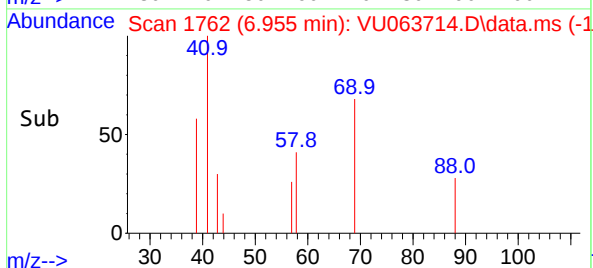
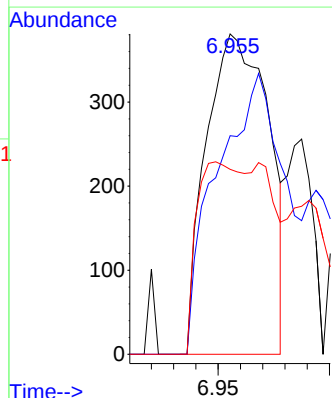
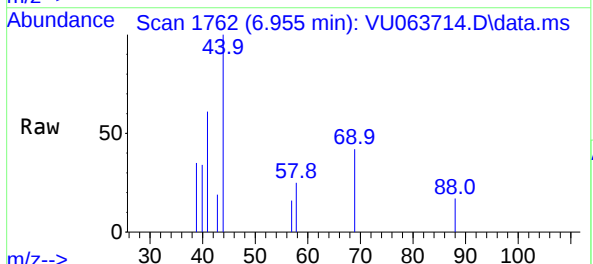
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

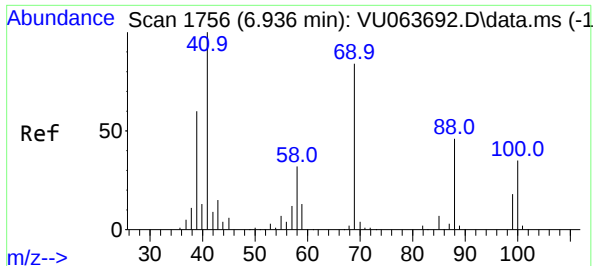
Tgt Ion: 83 Resp: 1421  
Ion Ratio Lower Upper  
83 100  
85 83.7 51.9 77.9#  
127 0.0 6.9 10.3#



#48  
Methyl methacrylate  
Concen: 0.323 ug/l  
RT: 6.955 min Scan# 1762  
Delta R.T. 0.022 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 41 Resp: 742  
Ion Ratio Lower Upper  
41 100  
69 95.7 72.9 109.3  
39 44.1 51.0 76.4#

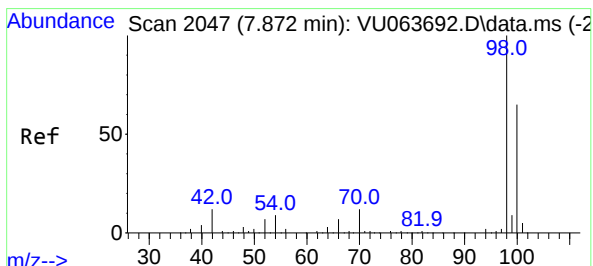
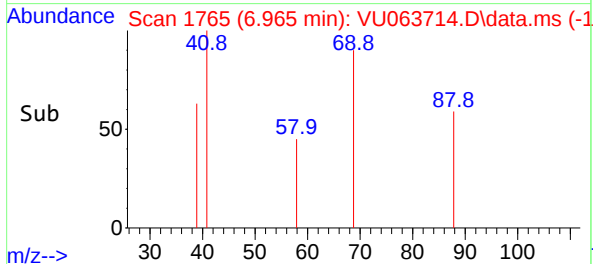
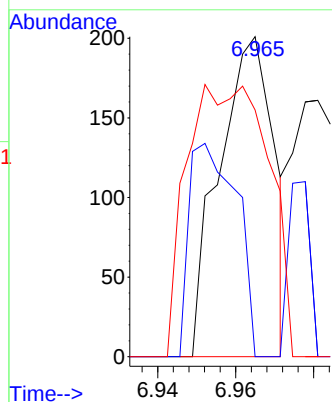
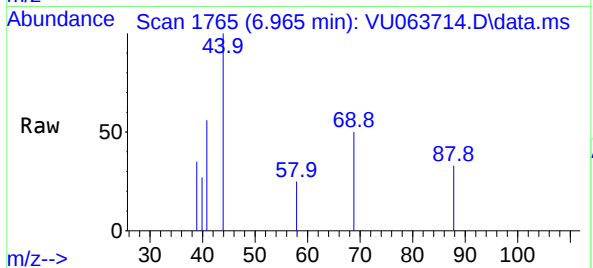




#49  
1,4-Dioxane  
Concen: 3.216 ug/l  
RT: 6.965 min Scan# 11  
Delta R.T. 0.029 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

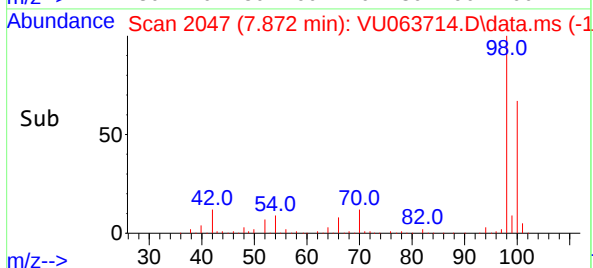
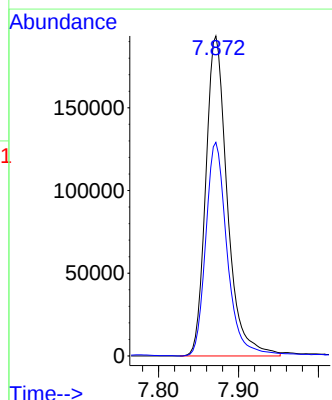
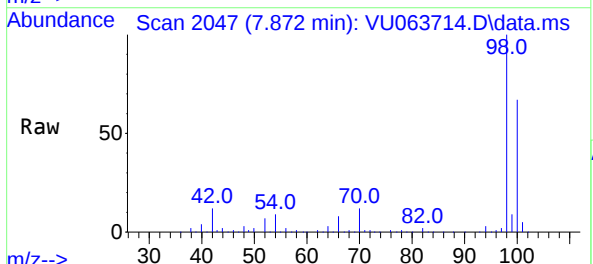
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

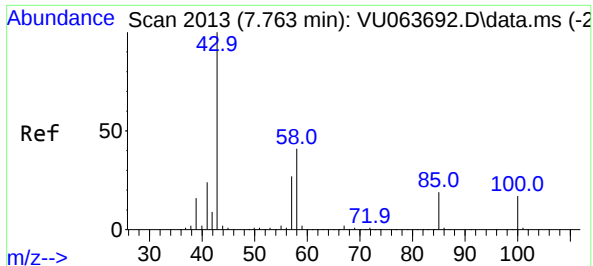
Tgt Ion: 88 Resp: 196  
Ion Ratio Lower Upper  
88 100  
43 57.7 24.1 36.1#  
58 126.5 54.2 81.4#



#50  
Toluene-d8  
Concen: 45.552 ug/l  
RT: 7.872 min Scan# 2047  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 98 Resp: 363086  
Ion Ratio Lower Upper  
98 100  
100 67.0 52.5 78.7

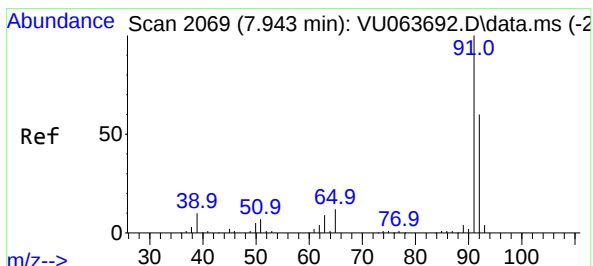
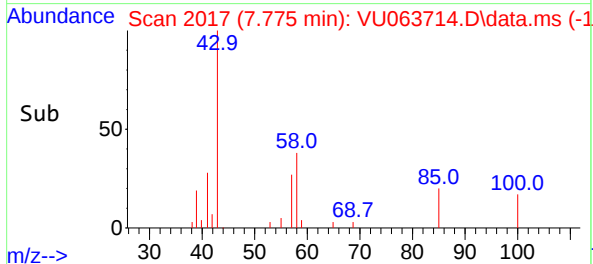
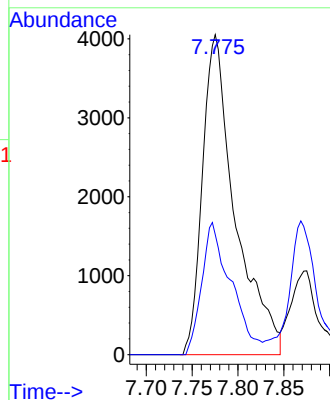
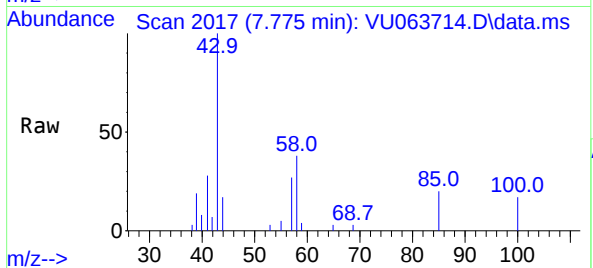




#51  
4-Methyl-2-Pentanone  
Concen: 2.807 ug/l  
RT: 7.775 min Scan# 2017  
Delta R.T. 0.013 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

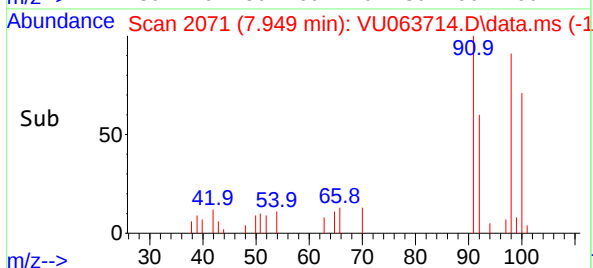
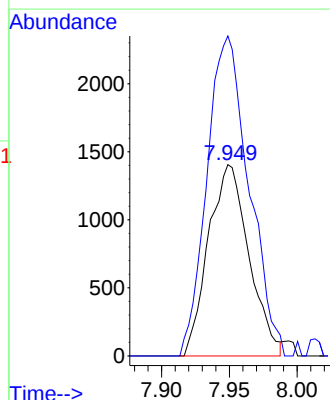
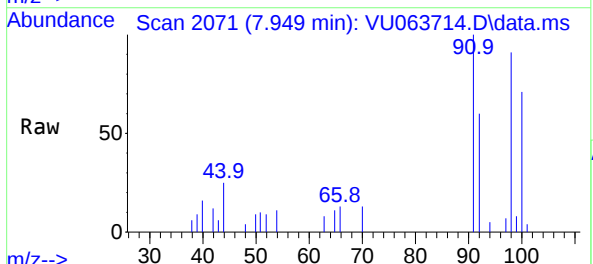
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

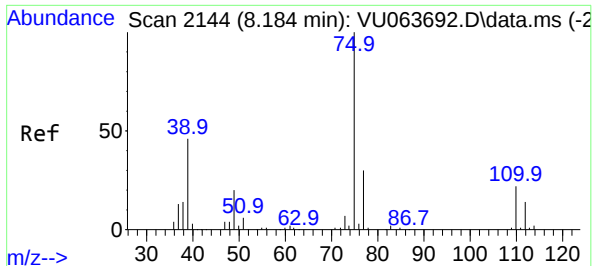
Tgt Ion: 43 Resp: 10066  
Ion Ratio Lower Upper  
43 100  
58 37.2 32.3 48.5



#52  
Toluene  
Concen: 0.617 ug/l  
RT: 7.949 min Scan# 2071  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 92 Resp: 2918  
Ion Ratio Lower Upper  
92 100  
91 173.6 136.6 204.8

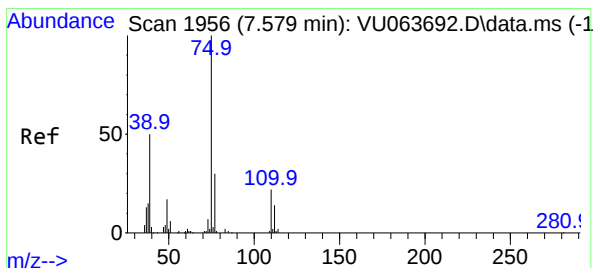
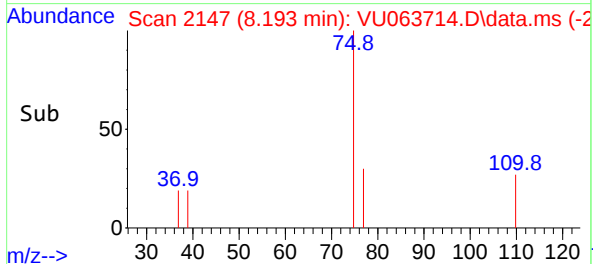
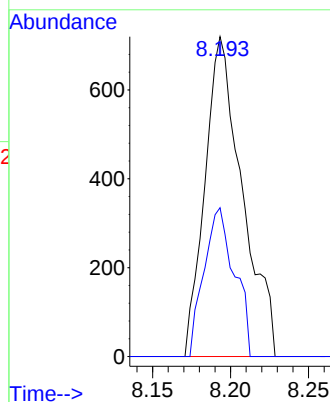
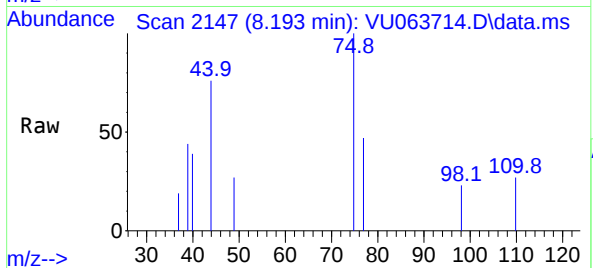




#53  
t-1,3-Dichloropropene  
Concen: 0.471 ug/l  
RT: 8.193 min Scan# 2144  
Delta R.T. 0.009 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

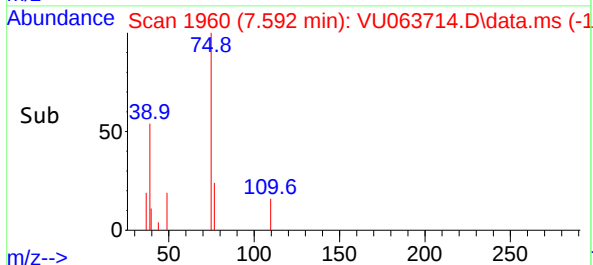
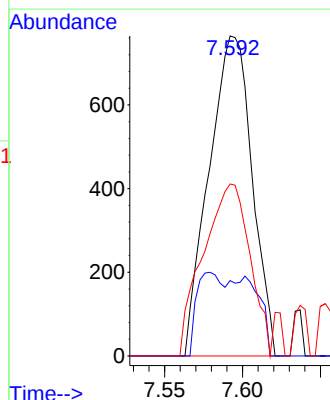
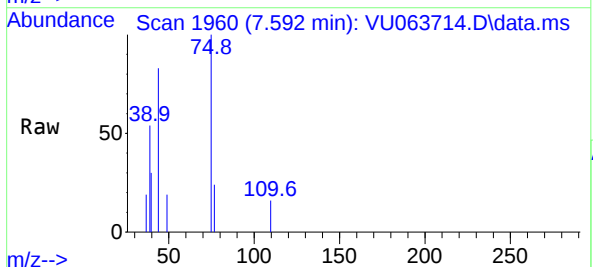
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

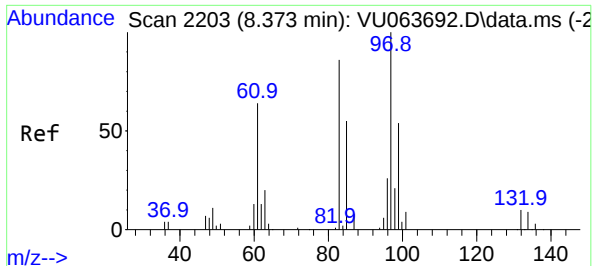
Tgt Ion: 75 Resp: 1196  
Ion Ratio Lower Upper  
75 100  
77 46.5 24.3 36.5#



#54  
cis-1,3-Dichloropropene  
Concen: 0.518 ug/l  
RT: 7.592 min Scan# 1960  
Delta R.T. 0.013 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 75 Resp: 1473  
Ion Ratio Lower Upper  
75 100  
77 23.5 24.3 36.5#  
39 83.3 40.2 60.2#

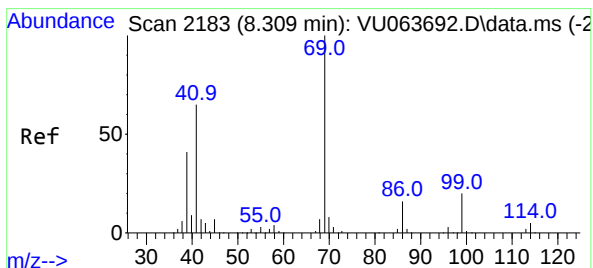
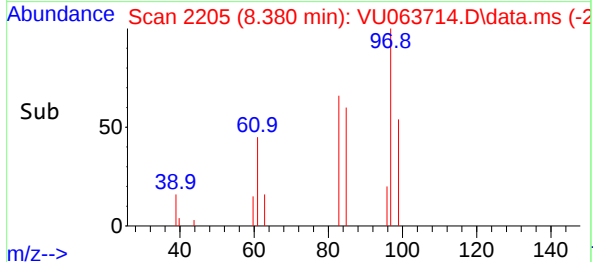
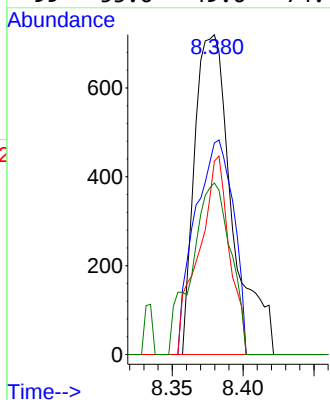
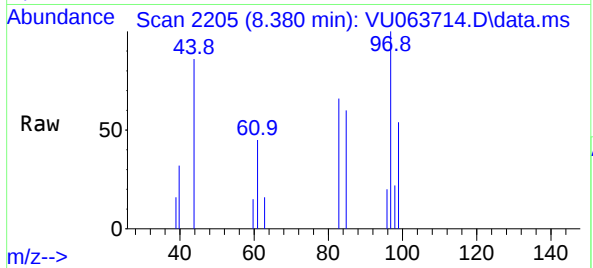




#55  
1,1,2-Trichloroethane  
Concen: 0.611 ug/l  
RT: 8.380 min Scan# 2187  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

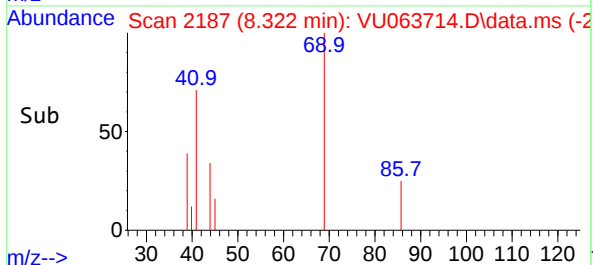
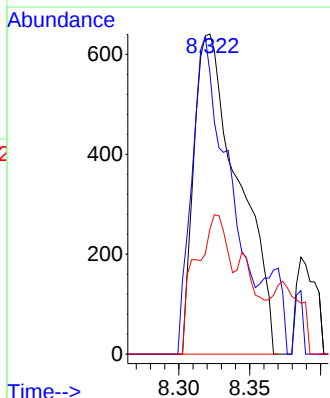
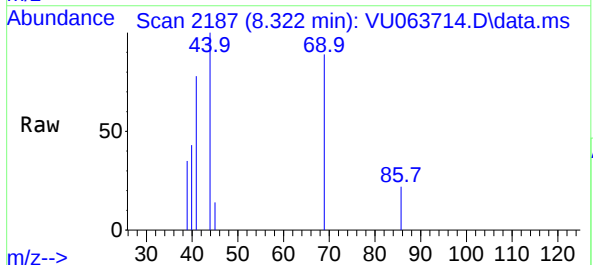
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-03-QT4-2025

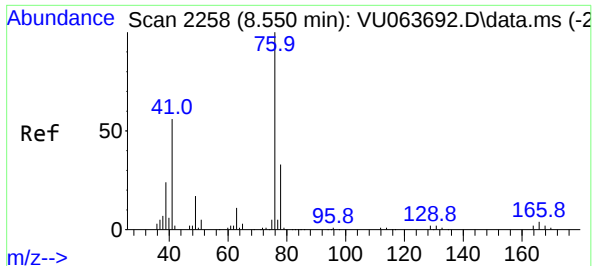
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 1327   |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 66.1  | 69.0  | 103.4# |
| 85       | 60.4  | 44.2  | 66.4   |
| 99       | 53.6  | 49.6  | 74.4   |



#56  
Ethyl methacrylate  
Concen: 0.436 ug/l  
RT: 8.322 min Scan# 2187  
Delta R.T. 0.013 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 1397  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 82.7  | 51.4  | 77.2# |
| 39       | 32.3  | 32.2  | 48.4  |

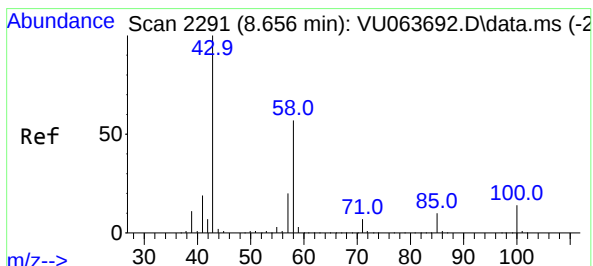
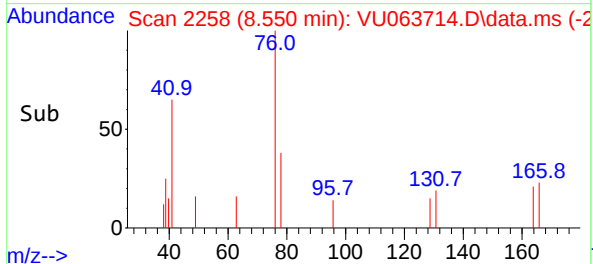
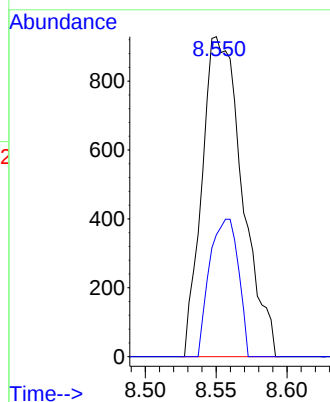
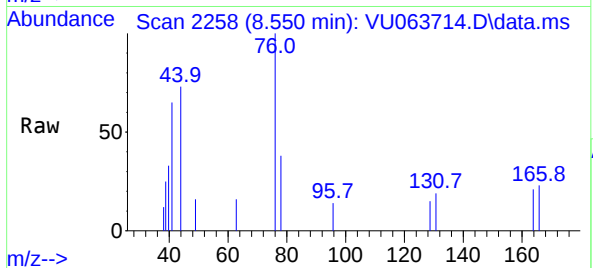




#57  
1,3-Dichloropropane  
Concen: 0.518 ug/l  
RT: 8.550 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

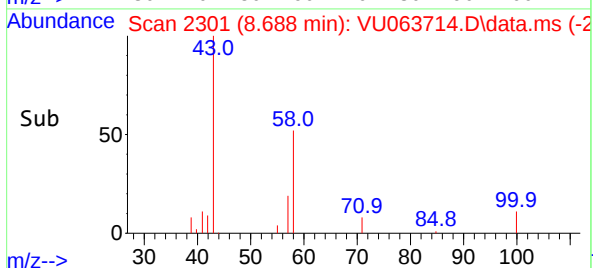
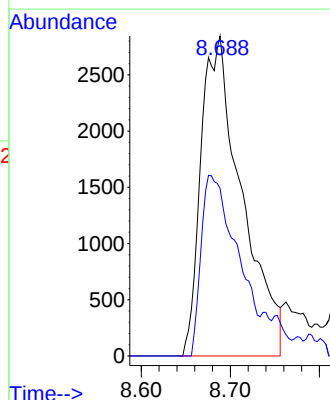
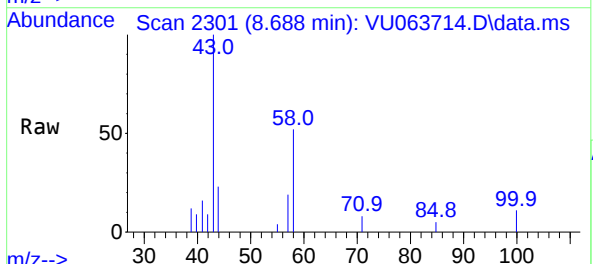
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

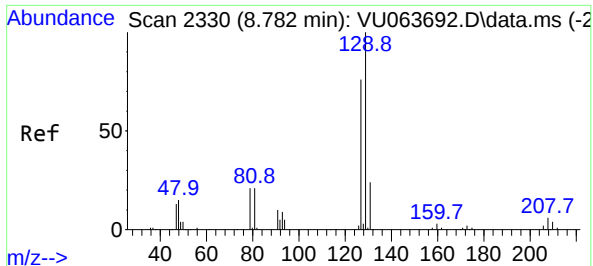
Tgt Ion: 76 Resp: 1834  
Ion Ratio Lower Upper  
76 100  
78 30.5 26.2 39.4



#59  
2-Hexanone  
Concen: 3.384 ug/l  
RT: 8.688 min Scan# 2301  
Delta R.T. 0.032 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 43 Resp: 9040  
Ion Ratio Lower Upper  
43 100  
58 50.0 28.4 85.3

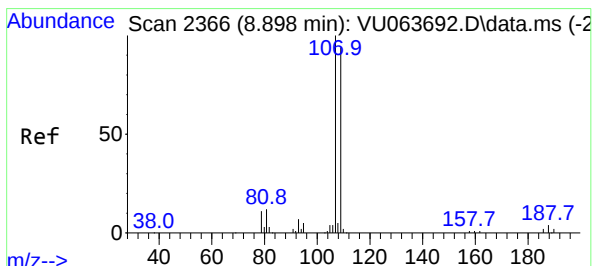
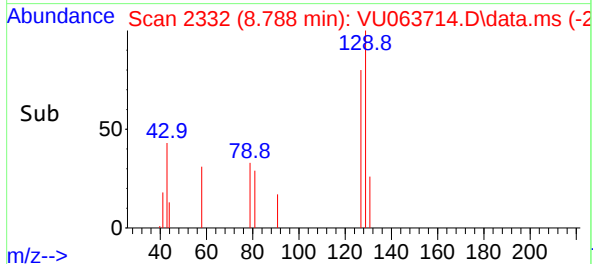
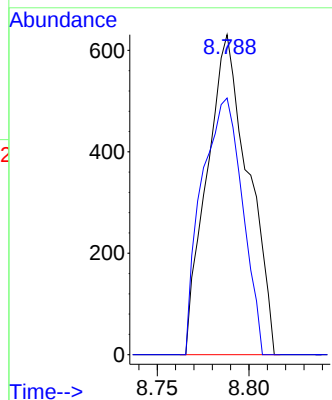
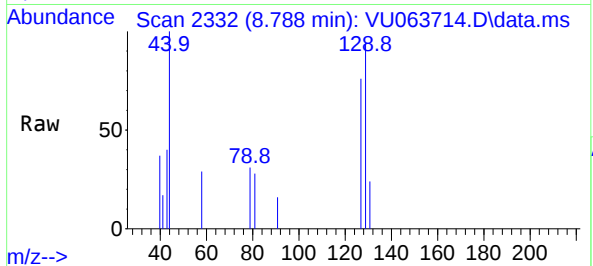




#60  
Dibromochloromethane  
Concen: 0.435 ug/l  
RT: 8.788 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

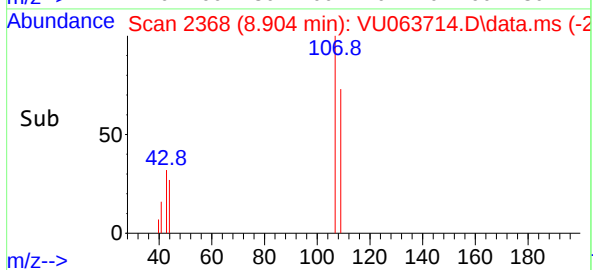
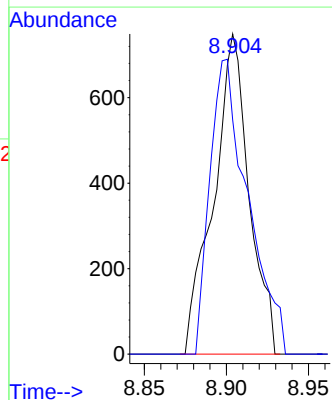
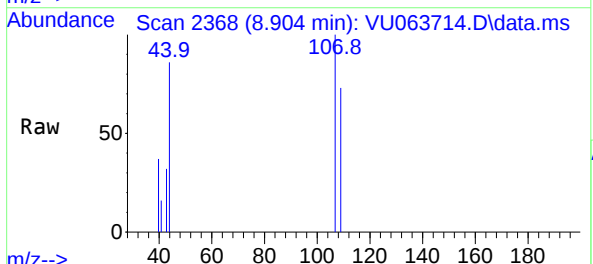
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

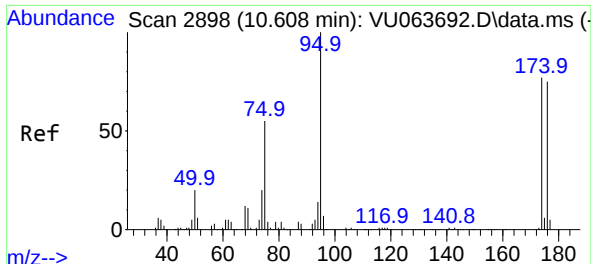
Tgt Ion:129 Resp: 989  
Ion Ratio Lower Upper  
129 100  
127 78.8 38.2 114.6



#61  
1,2-Dibromoethane  
Concen: 0.539 ug/l  
RT: 8.904 min Scan# 2368  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion:107 Resp: 1128  
Ion Ratio Lower Upper  
107 100  
109 98.6 73.8 110.8

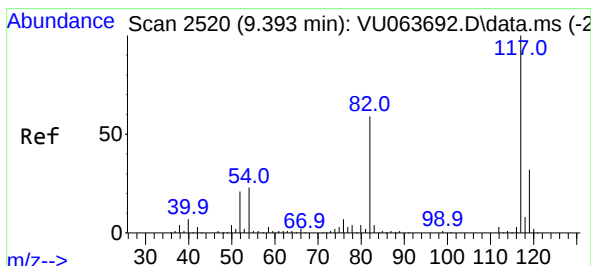
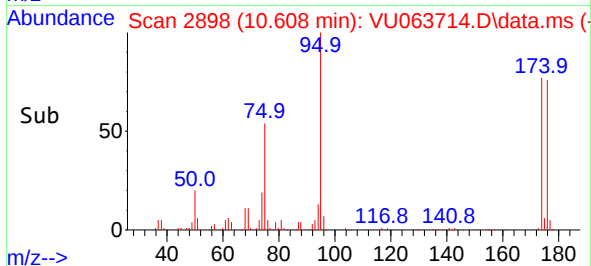
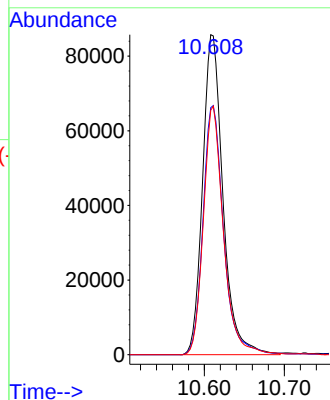
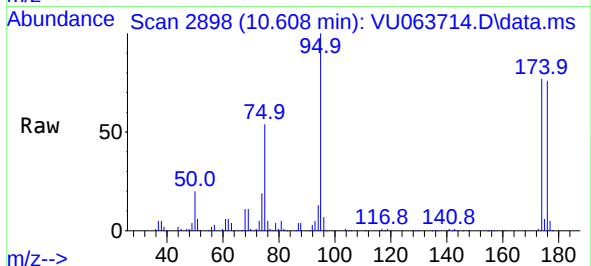




#62  
4-Bromofluorobenzene  
Concen: 46.121 ug/l  
RT: 10.608 min Scan# 2898  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

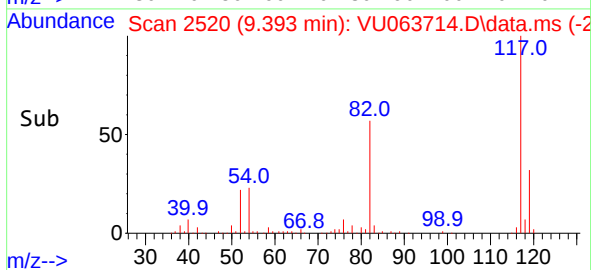
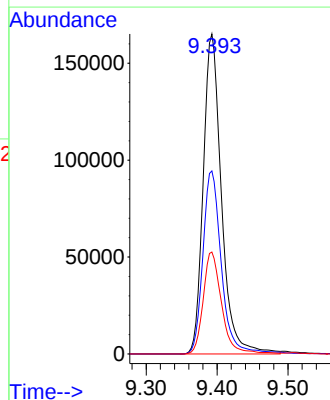
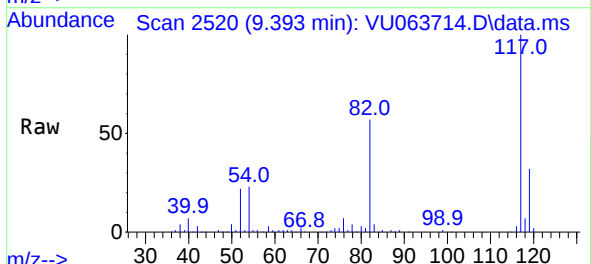
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-03-QT4-2025

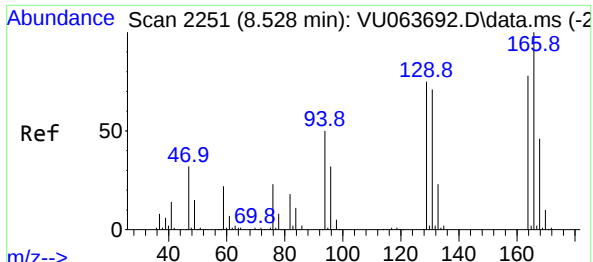
Tgt Ion: 95 Resp: 152071  
Ion Ratio Lower Upper  
95 100  
174 78.7 0.0 154.6  
176 76.8 0.0 148.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.393 min Scan# 2520  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 117 Resp: 295198  
Ion Ratio Lower Upper  
117 100  
82 57.2 46.9 70.3  
119 31.8 25.8 38.8

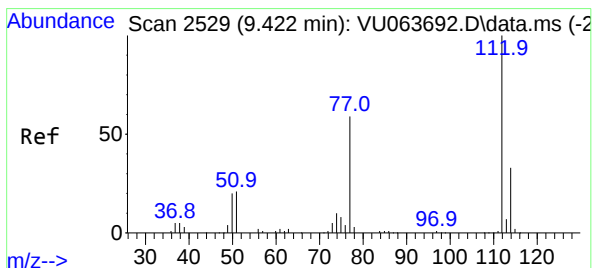
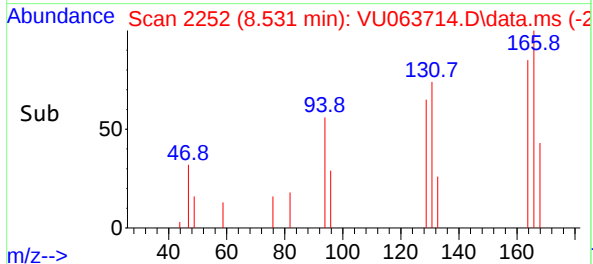
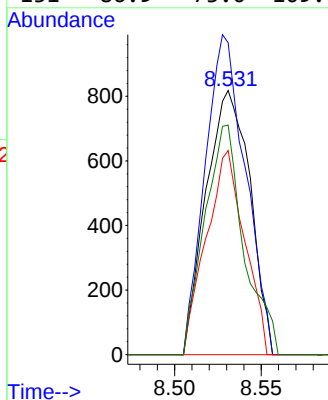
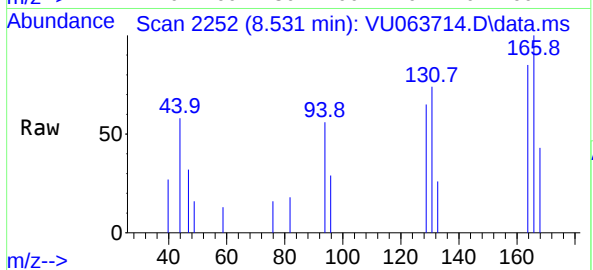




#64  
Tetrachloroethene  
Concen: 0.758 ug/l  
RT: 8.531 min Scan# 211  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

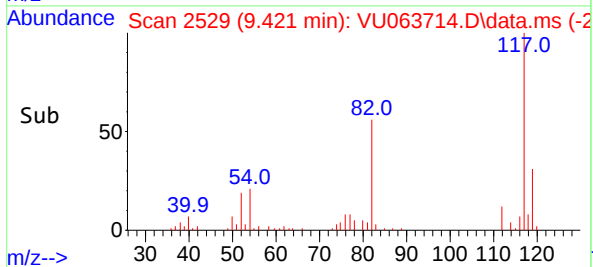
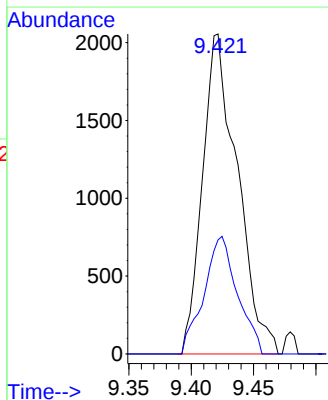
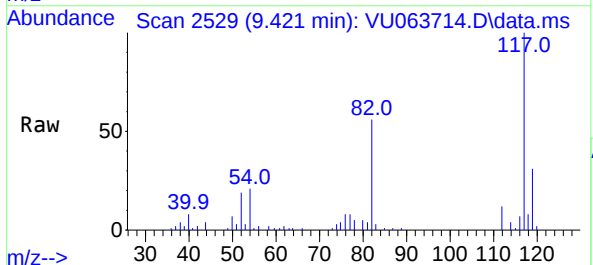
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

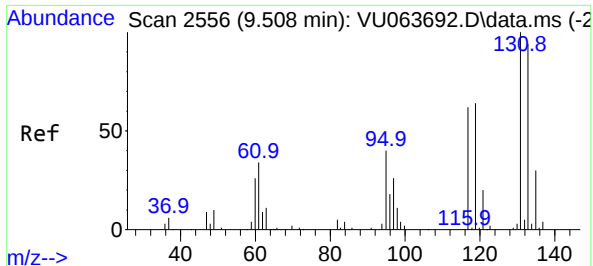
Tgt Ion:164 Resp: 1443  
Ion Ratio Lower Upper  
164 100  
166 118.1 102.5 153.7  
129 77.3 77.1 115.7  
131 86.9 73.0 109.6



#65  
Chlorobenzene  
Concen: 0.693 ug/l  
RT: 9.421 min Scan# 2529  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion:112 Resp: 3996  
Ion Ratio Lower Upper  
112 100  
114 35.7 26.2 39.2

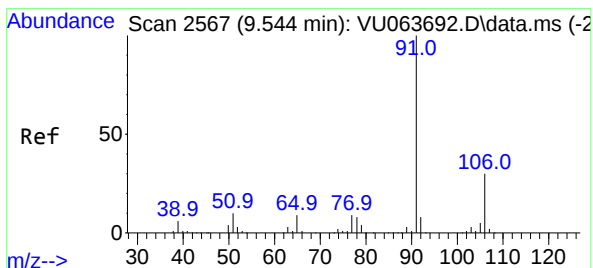
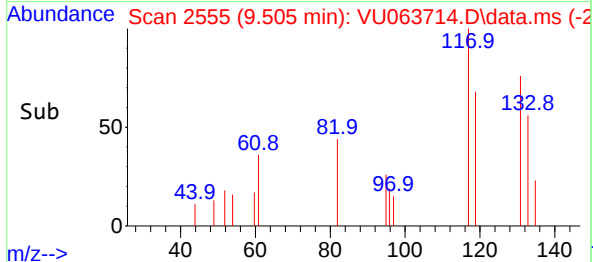
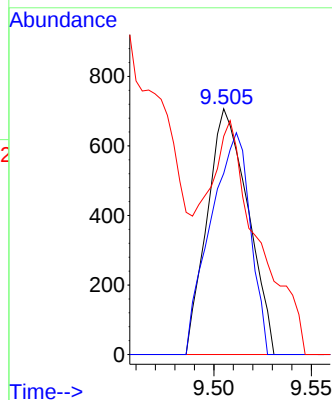
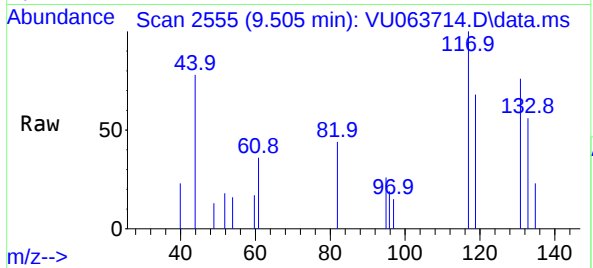




#66  
1,1,1,2-Tetrachloroethane  
Concen: 0.524 ug/l  
RT: 9.505 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

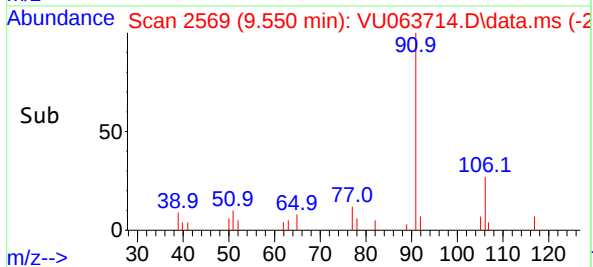
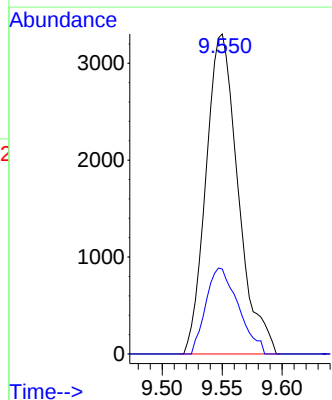
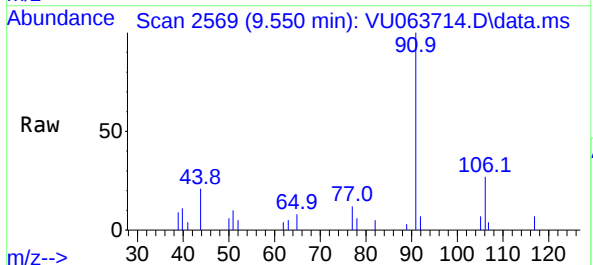
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

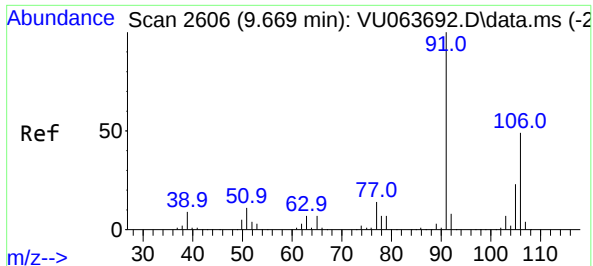
Tgt Ion:131 Resp: 1029  
Ion Ratio Lower Upper  
131 100  
133 88.1 47.5 142.5  
119 0.0 33.3 99.8#



#67  
Ethyl Benzene  
Concen: 0.640 ug/l  
RT: 9.550 min Scan# 2569  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 91 Resp: 6147  
Ion Ratio Lower Upper  
91 100  
106 26.5 23.8 35.8

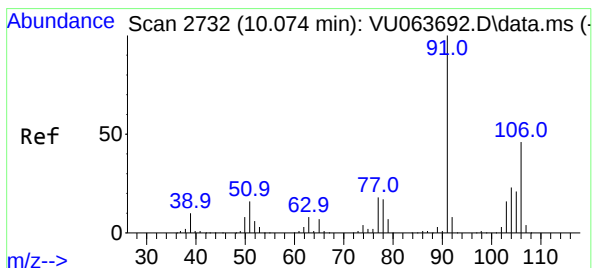
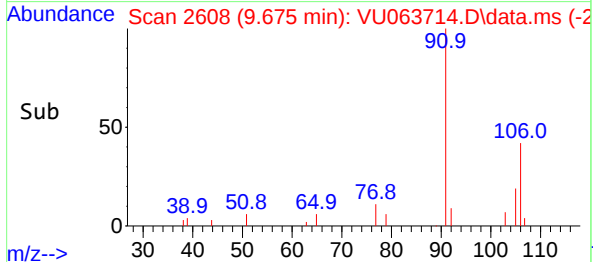
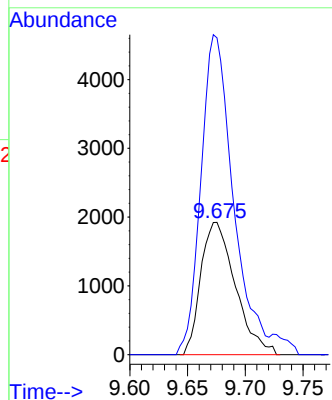
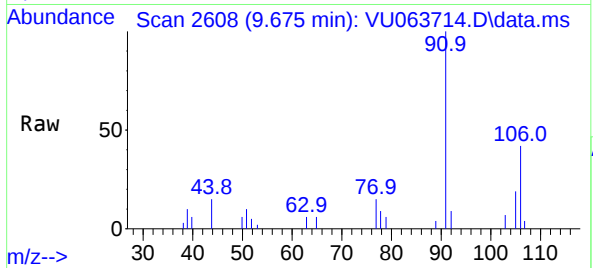




#68  
m/p-Xylenes  
Concen: 1.128 ug/l  
RT: 9.675 min Scan# 2068  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

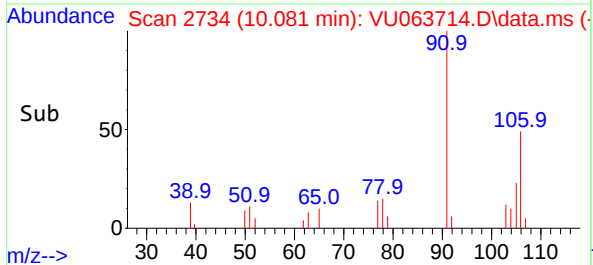
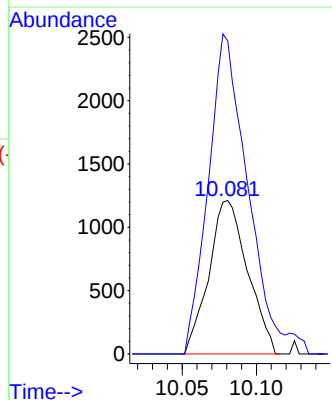
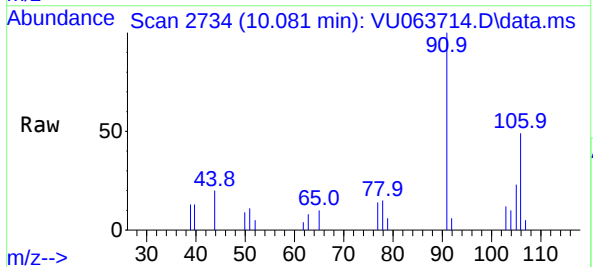
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

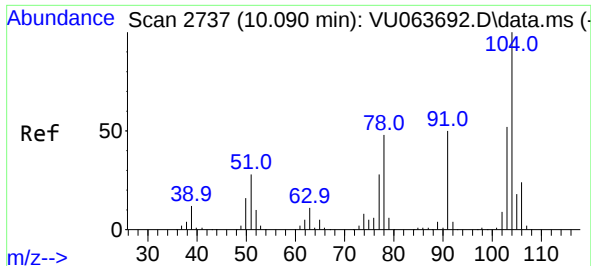
Tgt Ion:106 Resp: 4001  
Ion Ratio Lower Upper  
106 100  
91 224.9 165.7 248.5



#69  
o-Xylene  
Concen: 0.601 ug/l  
RT: 10.081 min Scan# 2734  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion:106 Resp: 2200  
Ion Ratio Lower Upper  
106 100  
91 213.7 108.7 325.9

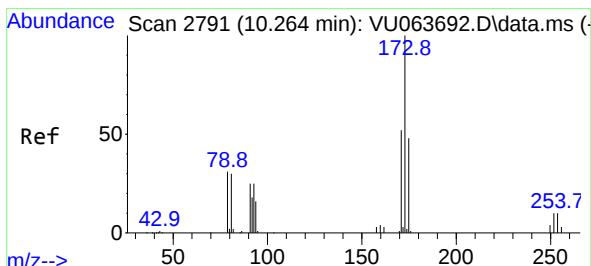
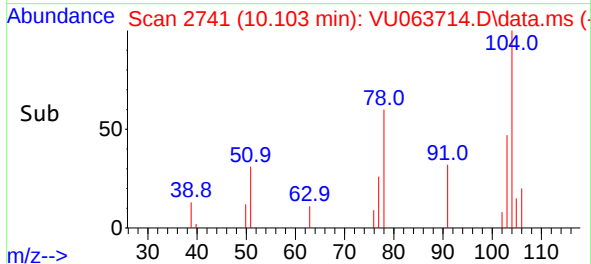
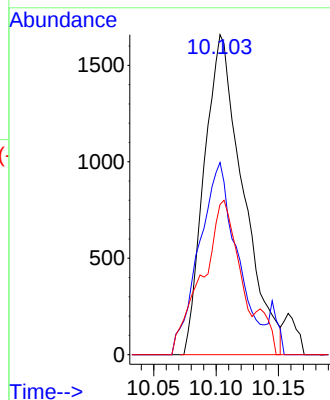
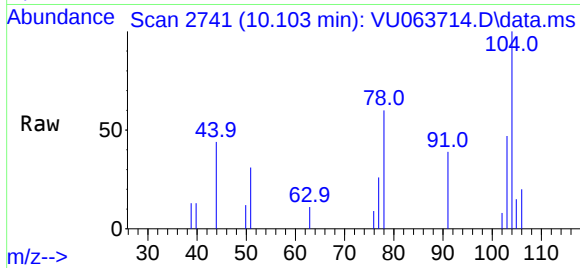




#70  
Styrene  
Concen: 0.607 ug/l  
RT: 10.103 min Scan# 2737  
Delta R.T. 0.013 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

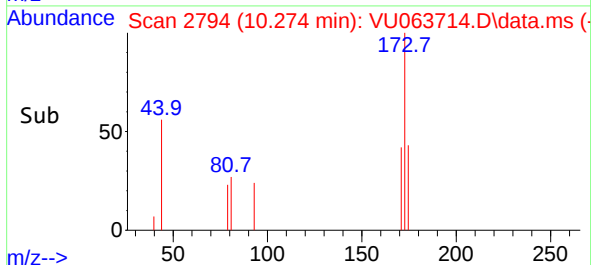
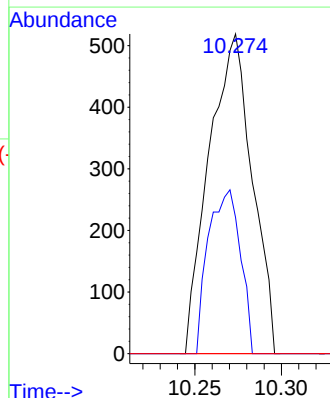
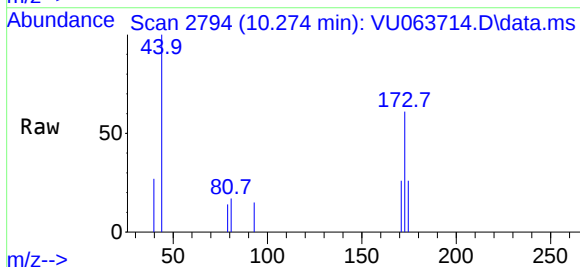
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

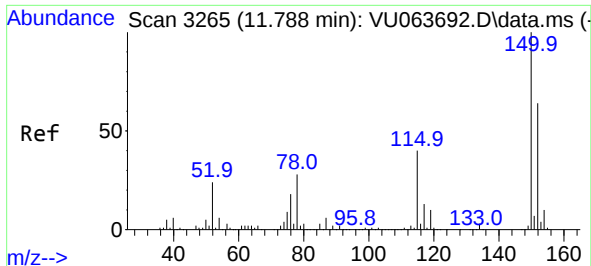
Tgt Ion:104 Resp: 3570  
Ion Ratio Lower Upper  
104 100  
78 59.4 42.7 64.1  
103 45.8 44.0 66.0



#71  
Bromoform  
Concen: 0.569 ug/l  
RT: 10.274 min Scan# 2794  
Delta R.T. 0.009 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion:173 Resp: 899  
Ion Ratio Lower Upper  
173 100  
175 37.9 24.1 72.2  
254 0.0 0.0 0.0

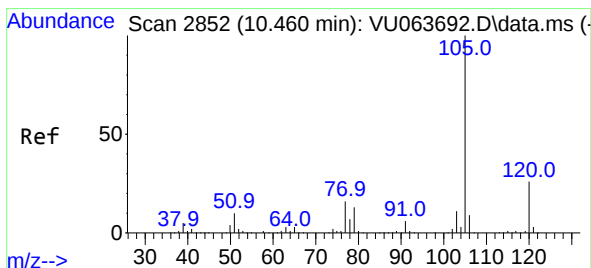
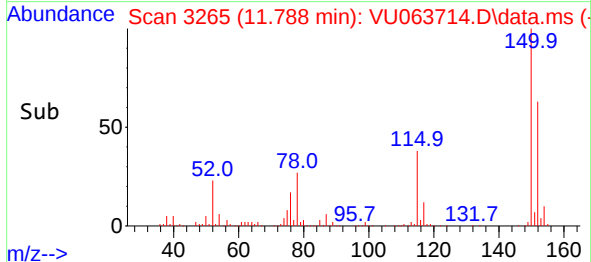
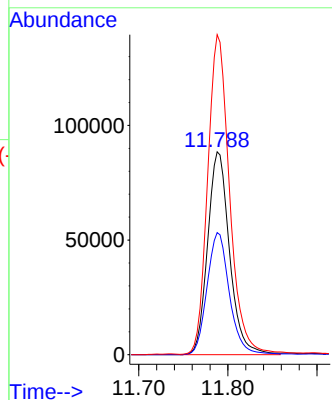
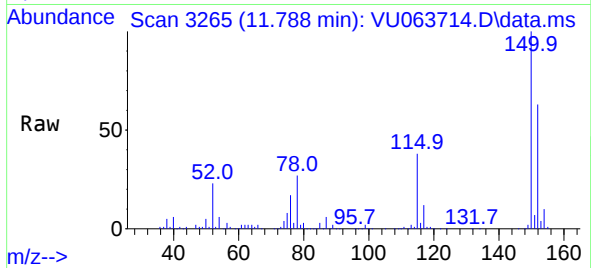




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.788 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

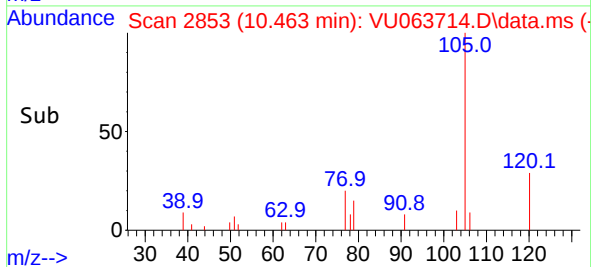
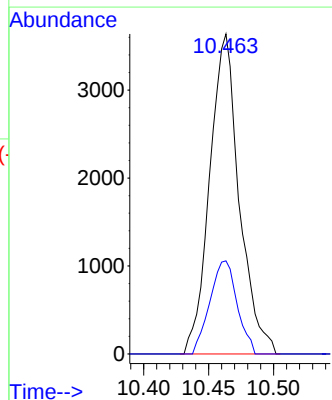
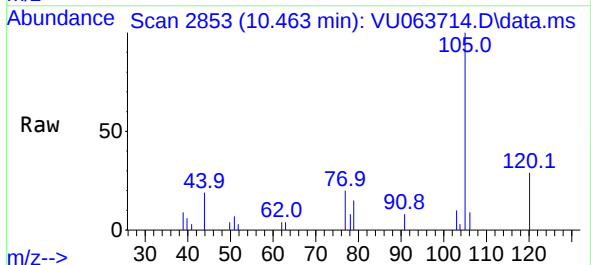
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

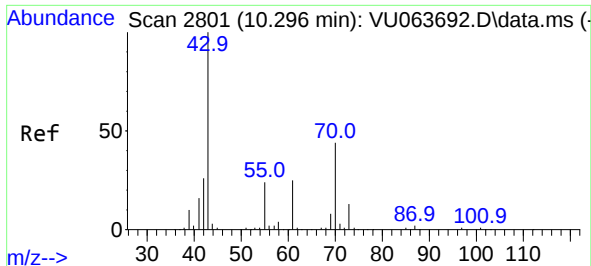
Tgt Ion:152 Resp: 151244  
Ion Ratio Lower Upper  
152 100  
115 61.4 41.0 123.0  
150 157.5 0.0 342.2



#73  
Isopropylbenzene  
Concen: 0.605 ug/l  
RT: 10.463 min Scan# 2853  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion:105 Resp: 5747  
Ion Ratio Lower Upper  
105 100  
120 26.9 13.0 38.9



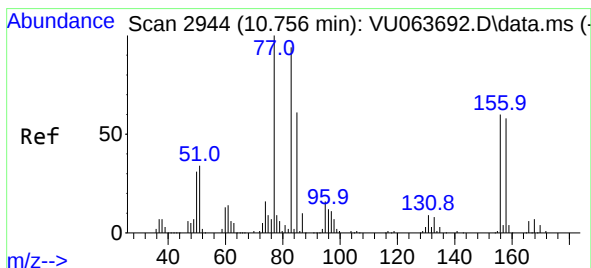
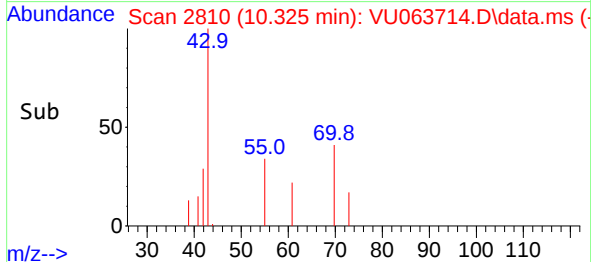
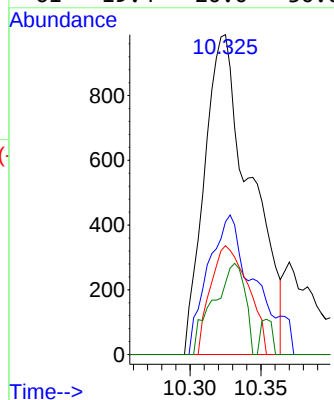
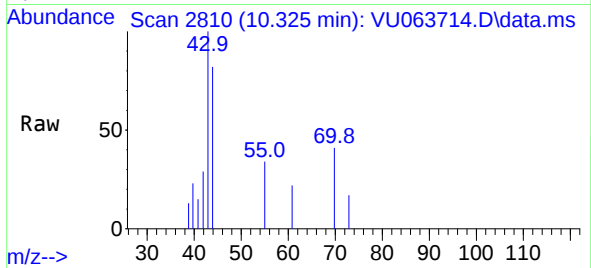


#74  
N-amy1 acetate  
Concen: 0.678 ug/l  
RT: 10.325 min Scan# 2810  
Delta R.T. 0.029 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

Tgt Ion: 43 Resp: 2245

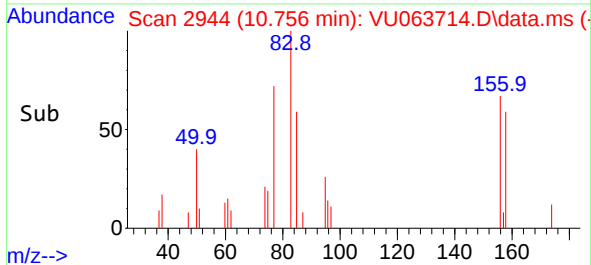
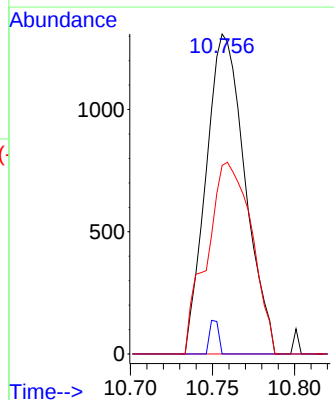
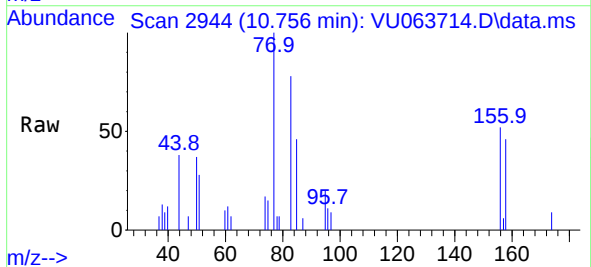
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 70  | 44.4  | 36.5  | 54.7  |
| 55  | 27.6  | 20.6  | 30.8  |
| 61  | 19.4  | 20.0  | 30.0  |

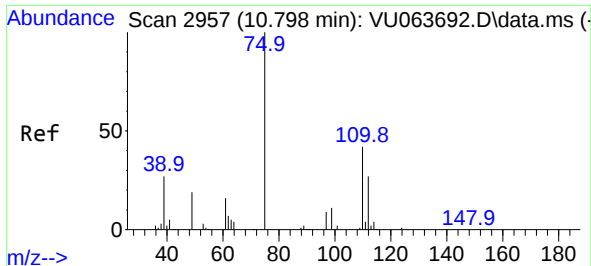


#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.592 ug/l  
RT: 10.756 min Scan# 2944  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 83 Resp: 2159

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 2.4   | 4.8   | 14.4  |
| 85  | 68.8  | 31.9  | 95.7  |

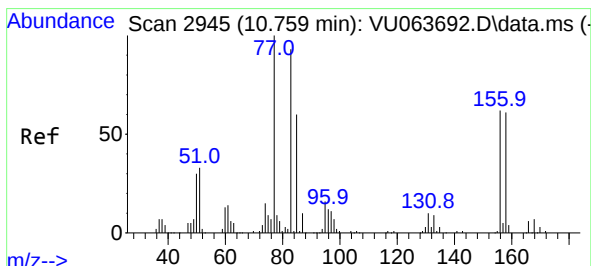
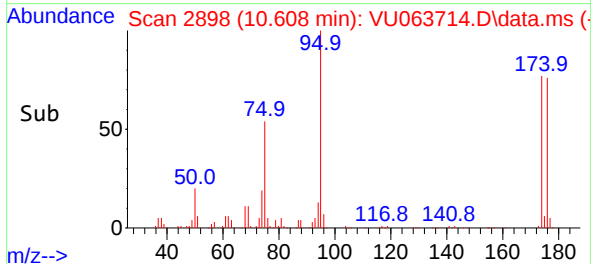
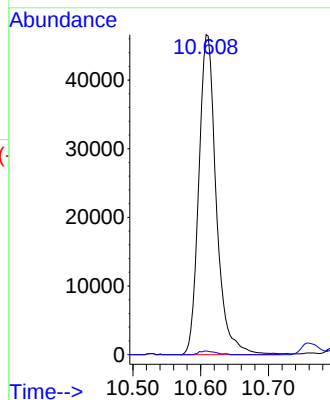
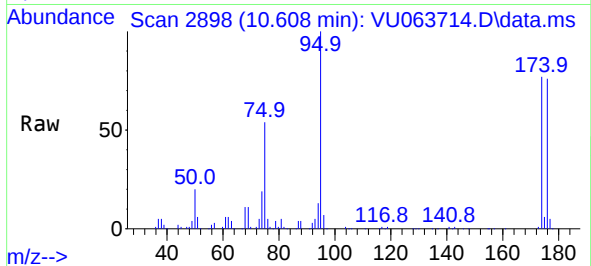




#76  
1,2,3-Trichloropropane  
Concen: 21.883 ug/l  
RT: 10.608 min Scan# 21  
Delta R.T. -0.190 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

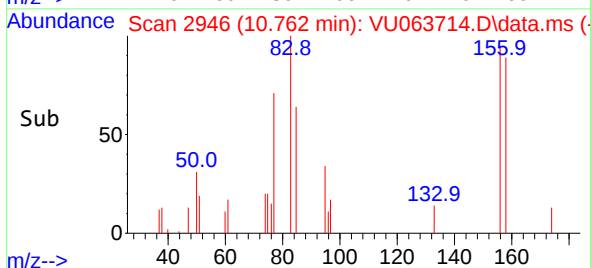
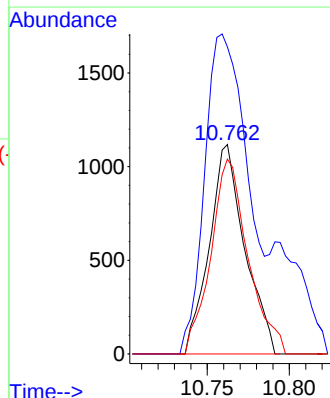
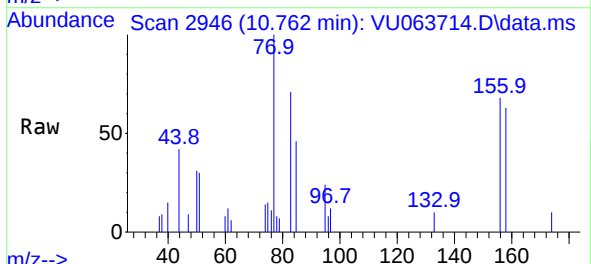
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

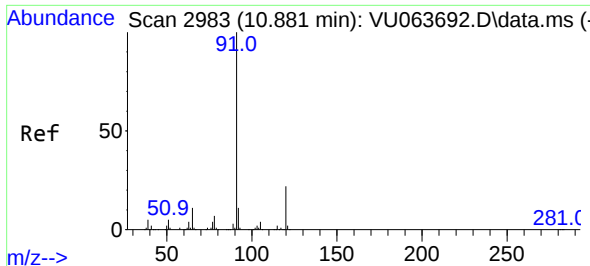
Tgt Ion: 75 Resp: 83405  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#77  
Bromobenzene  
Concen: 0.703 ug/l  
RT: 10.762 min Scan# 2946  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion:156 Resp: 1680  
Ion Ratio Lower Upper  
156 100  
77 182.7 81.4 244.2  
158 97.4 48.8 146.3

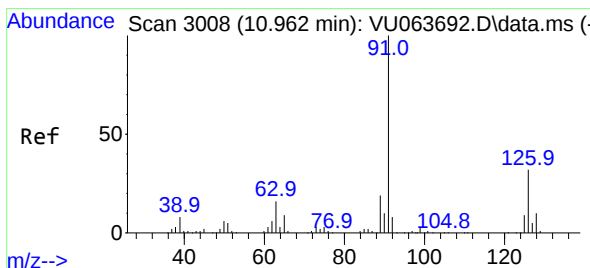
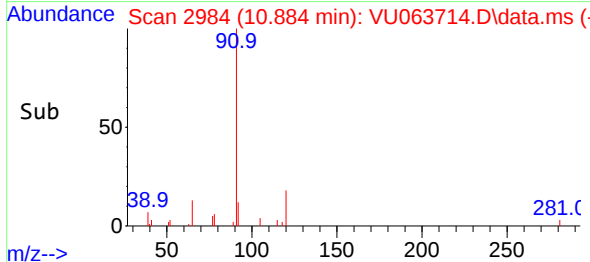
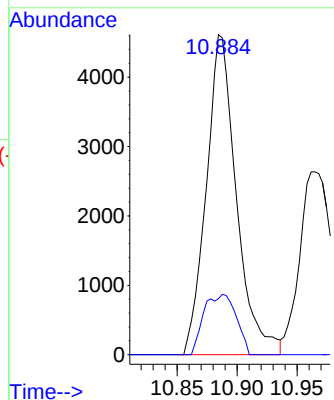
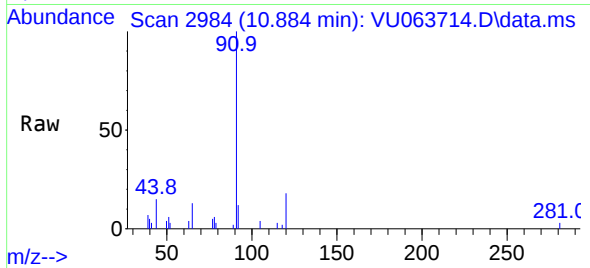




#78  
n-propylbenzene  
Concen: 0.739 ug/l  
RT: 10.884 min Scan# 2983  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

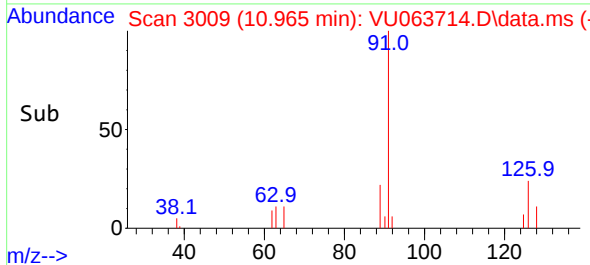
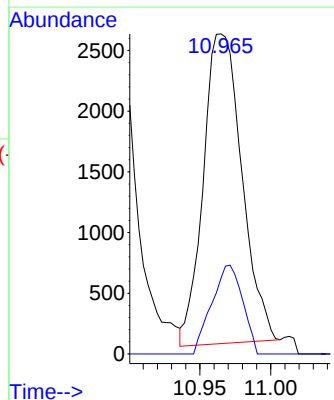
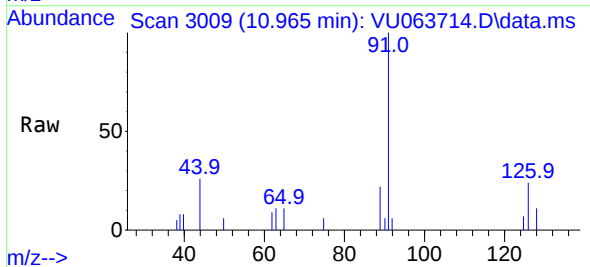
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

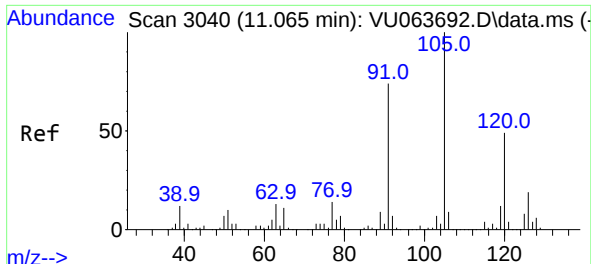
Tgt Ion: 91 Resp: 8050  
Ion Ratio Lower Upper  
91 100  
120 20.2 11.2 33.6



#79  
2-Chlorotoluene  
Concen: 0.684 ug/l  
RT: 10.965 min Scan# 3009  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 91 Resp: 4821  
Ion Ratio Lower Upper  
91 100  
126 22.9 16.4 49.1

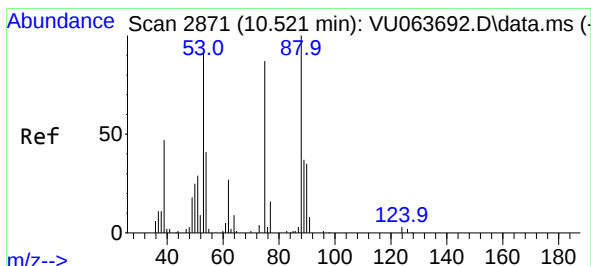
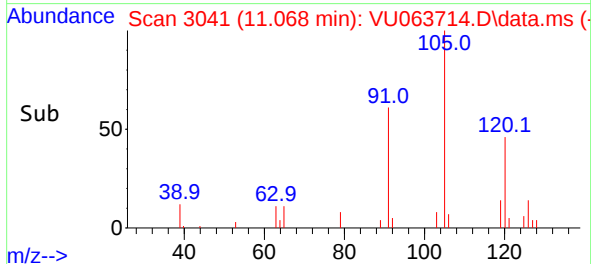
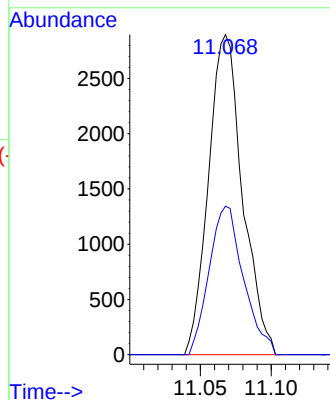
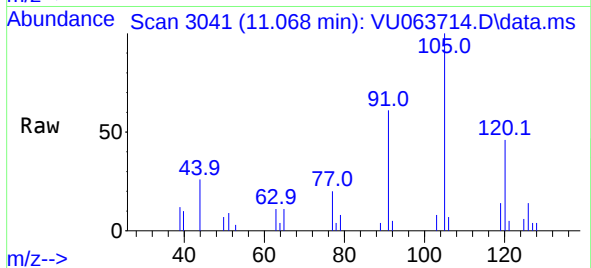




#80  
1,3,5-Trimethylbenzene  
Concen: 0.607 ug/l  
RT: 11.068 min Scan# 3040  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

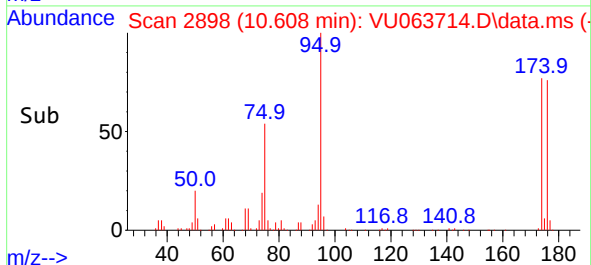
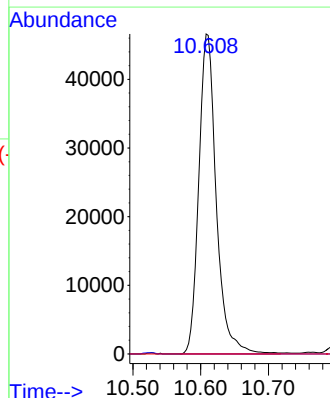
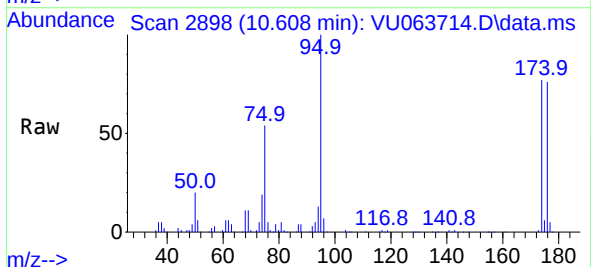
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

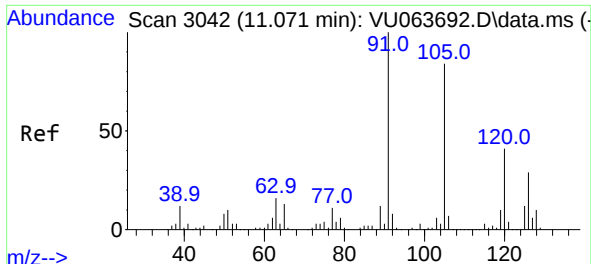
Tgt Ion:105 Resp: 4840  
Ion Ratio Lower Upper  
105 100  
120 46.8 24.1 72.2



#81  
trans-1,4-Dichloro-2-butene  
Concen: 116.579 ug/l  
RT: 10.608 min Scan# 2898  
Delta R.T. 0.087 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 75 Resp: 83405  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.5 129.7#  
89 0.0 35.2 52.8#

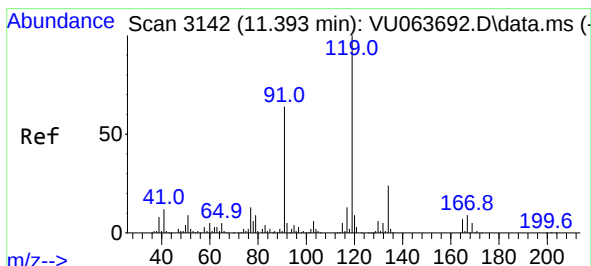
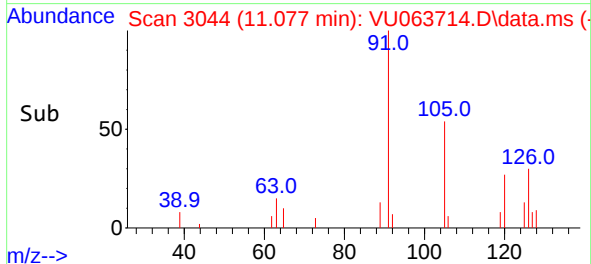
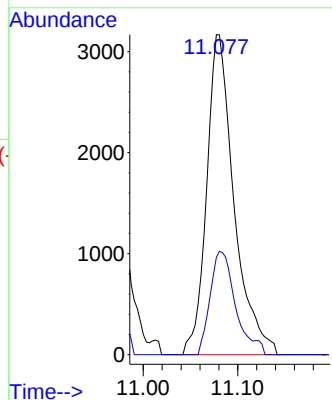
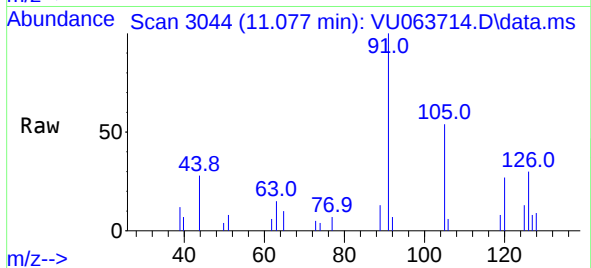




#82  
4-Chlorotoluene  
Concen: 0.797 ug/l  
RT: 11.077 min Scan# 3042  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

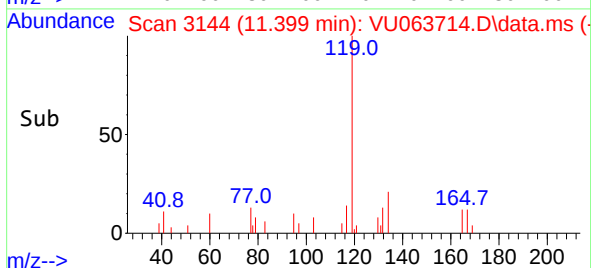
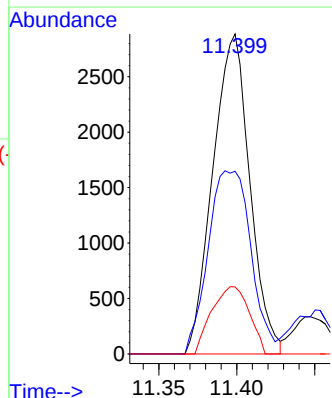
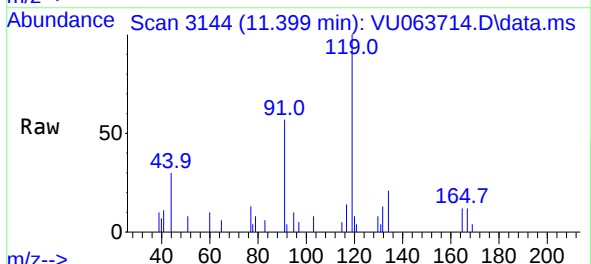
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-03-QT4-2025

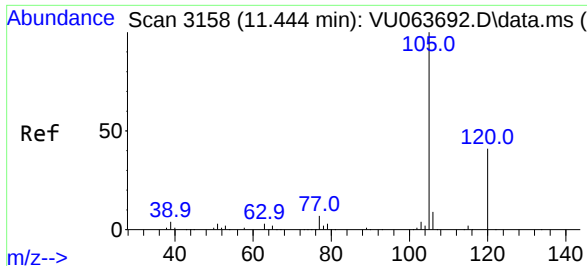
Tgt Ion: 91 Resp: 6383  
Ion Ratio Lower Upper  
91 100  
126 30.0 14.2 42.8



#83  
tert-Butylbenzene  
Concen: 0.573 ug/l  
RT: 11.399 min Scan# 3144  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 119 Resp: 4755  
Ion Ratio Lower Upper  
119 100  
91 66.1 30.8 92.3  
134 21.3 11.9 35.5

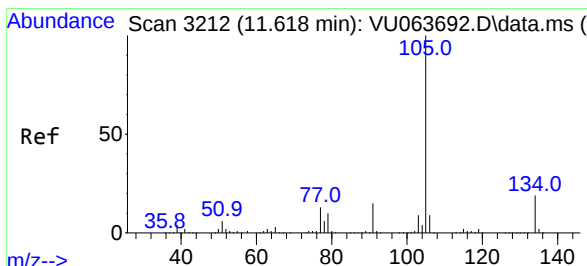
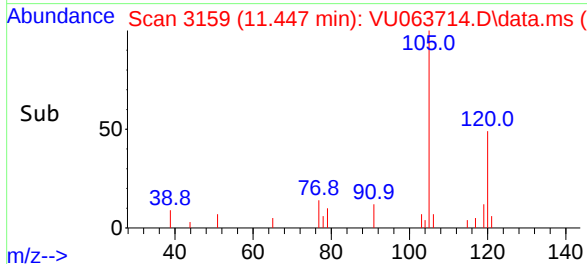
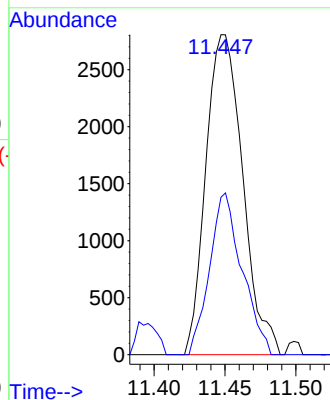
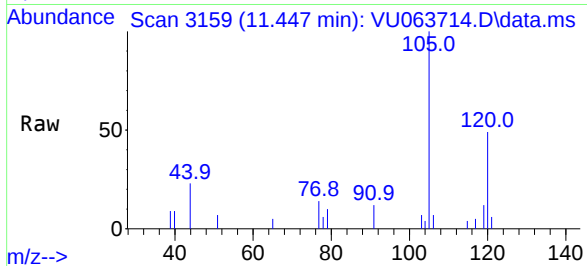




#84  
1,2,4-Trimethylbenzene  
Concen: 0.650 ug/l  
RT: 11.447 min Scan# 3158  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

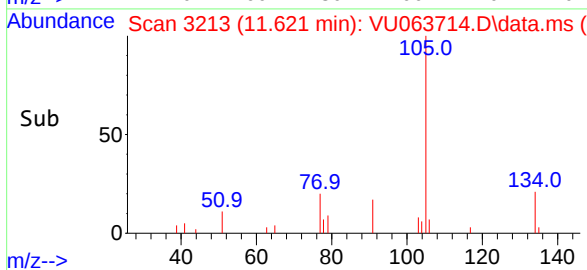
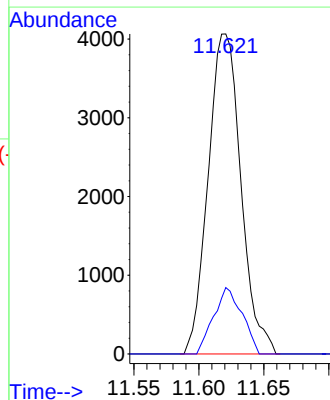
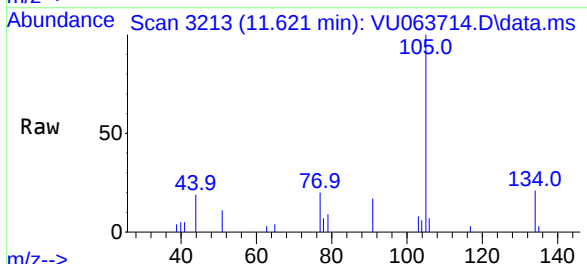
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

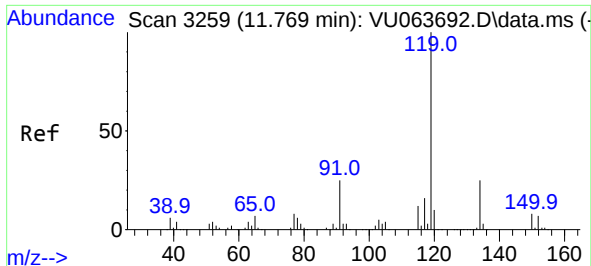
Tgt Ion:105 Resp: 5084  
Ion Ratio Lower Upper  
105 100  
120 44.4 22.4 67.3



#85  
sec-Butylbenzene  
Concen: 0.680 ug/l  
RT: 11.621 min Scan# 3213  
Delta R.T. 0.003 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion:105 Resp: 7130  
Ion Ratio Lower Upper  
105 100  
134 17.9 9.8 29.4

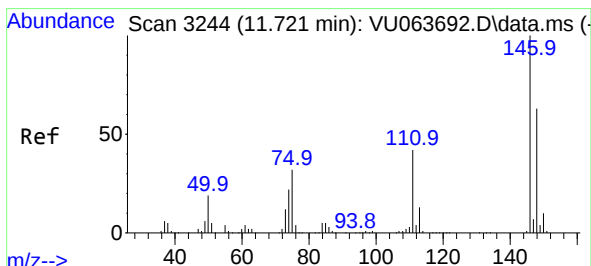
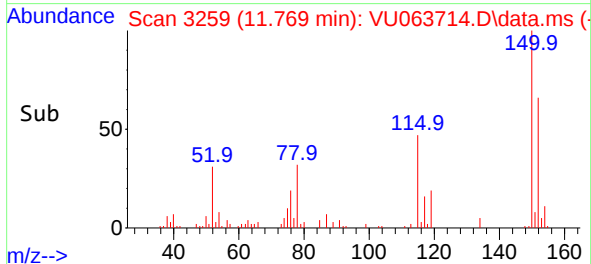
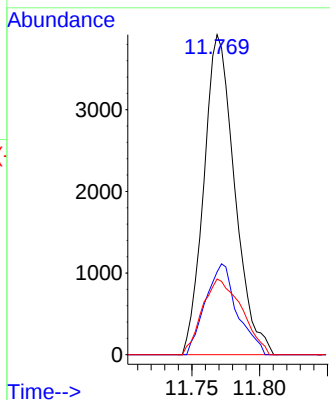
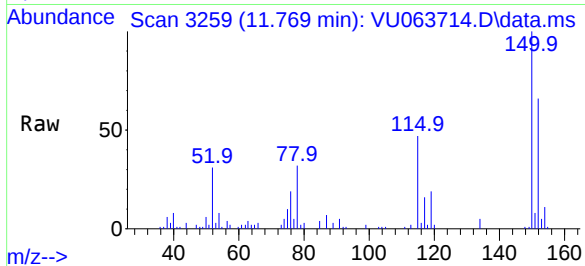




#86  
p-Isopropyltoluene  
Concen: 0.736 ug/l  
RT: 11.769 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

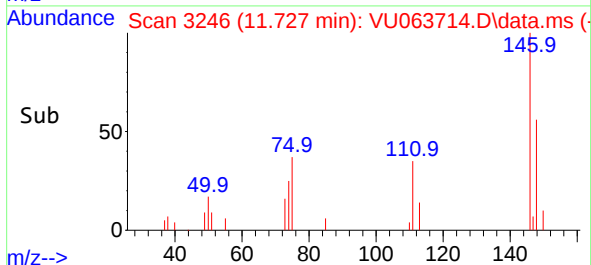
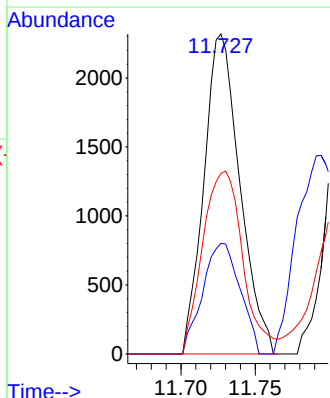
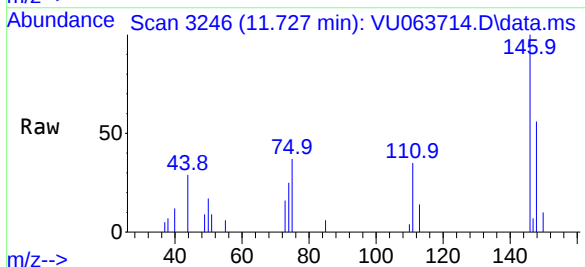
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

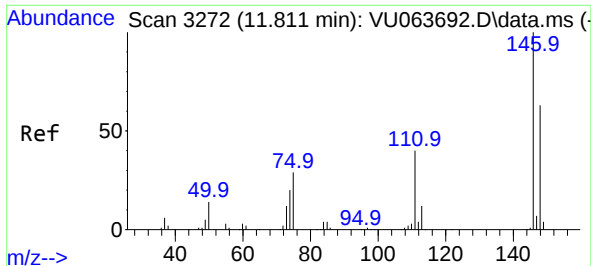
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 6195  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 29.2  | 12.6  | 37.6  |
| 91       | 30.2  | 12.6  | 37.8  |



#87  
1,3-Dichlorobenzene  
Concen: 0.869 ug/l  
RT: 11.727 min Scan# 3246  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 3905  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 35.9  | 20.6  | 61.8  |
| 148      | 64.1  | 31.8  | 95.4  |

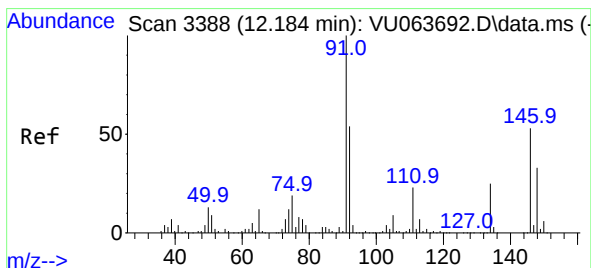
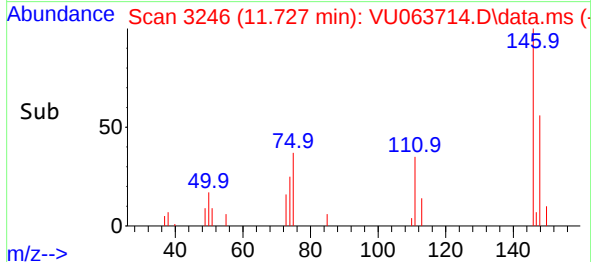
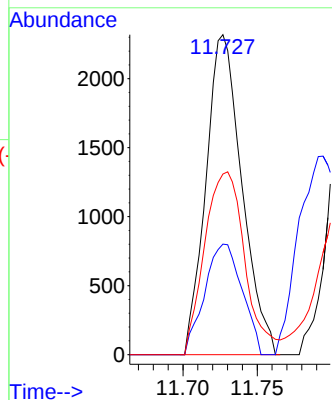
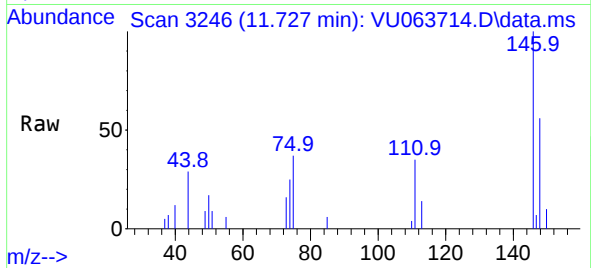




#88  
1,4-Dichlorobenzene  
Concen: 0.831 ug/l  
RT: 11.727 min Scan# 31  
Delta R.T. -0.084 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

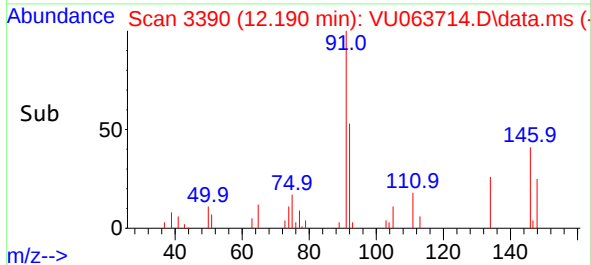
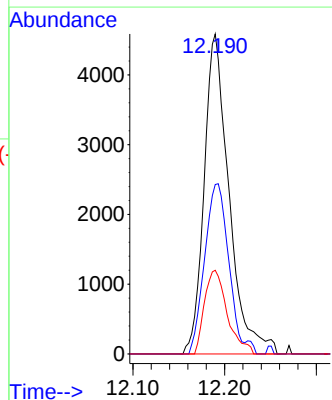
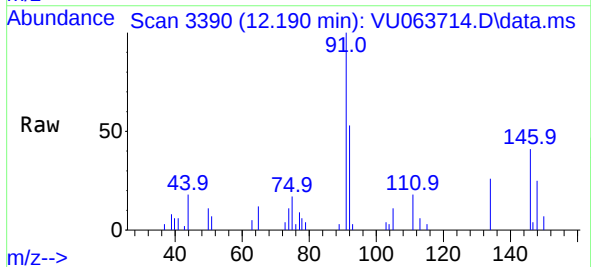
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

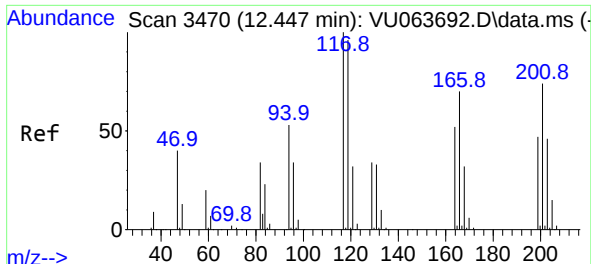
Tgt Ion:146 Resp: 3905  
Ion Ratio Lower Upper  
146 100  
111 35.9 20.4 61.3  
148 64.1 31.4 94.3



#89  
n-Butylbenzene  
Concen: 1.121 ug/l  
RT: 12.190 min Scan# 3390  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion: 91 Resp: 8663  
Ion Ratio Lower Upper  
91 100  
92 50.7 27.0 81.0  
134 23.9 12.4 37.4

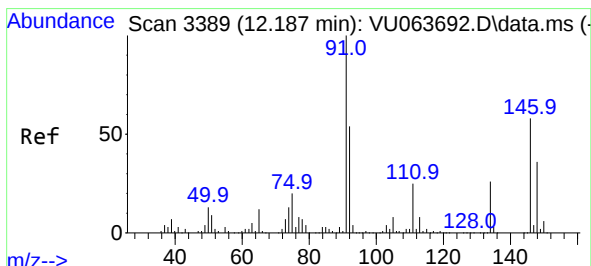
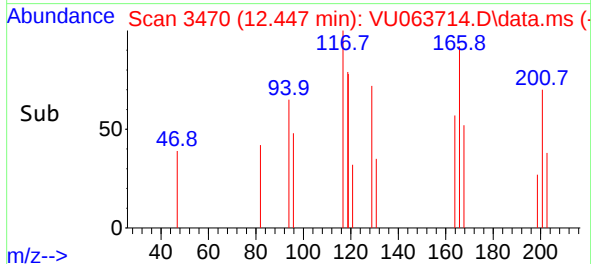
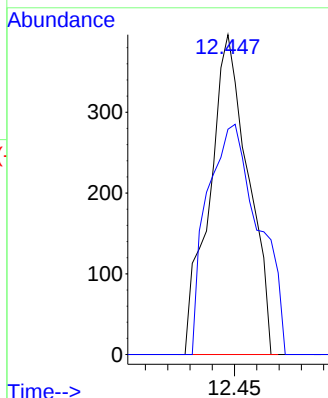
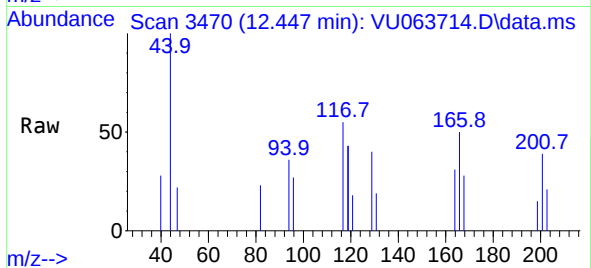




#90  
Hexachloroethane  
Concen: 0.373 ug/l  
RT: 12.447 min Scan# 3470  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

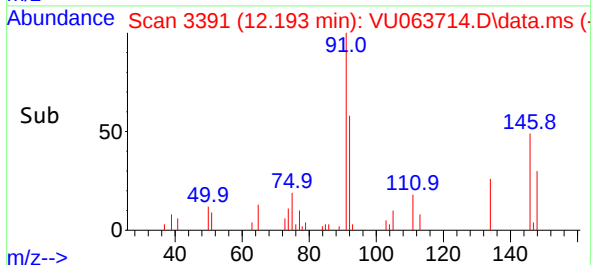
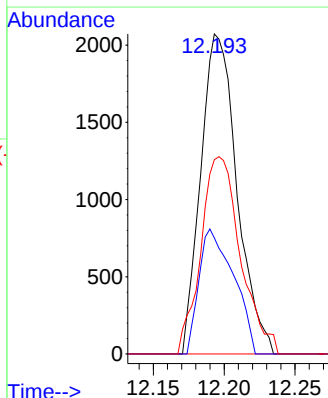
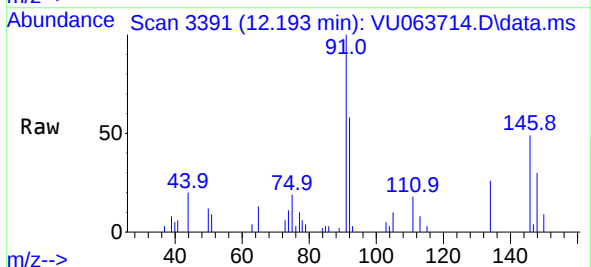
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025

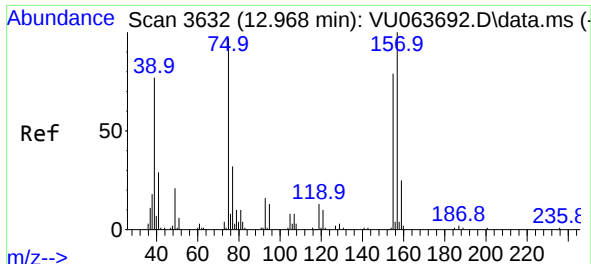
Tgt Ion:117 Resp: 479  
Ion Ratio Lower Upper  
117 100  
201 95.4 36.6 109.8



#91  
1,2-Dichlorobenzene  
Concen: 0.822 ug/l  
RT: 12.193 min Scan# 3391  
Delta R.T. 0.006 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion:146 Resp: 3687  
Ion Ratio Lower Upper  
146 100  
111 37.3 21.8 65.3  
148 67.3 31.6 94.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.261 ug/l

RT: 12.971 min Scan# 3633

Delta R.T. 0.003 min

Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Instrument :

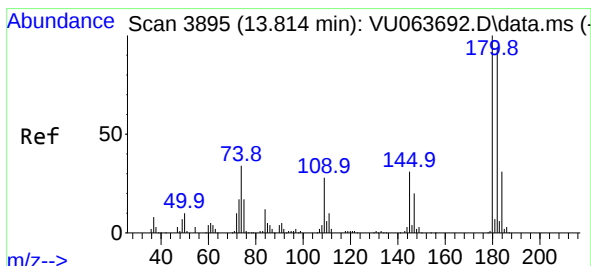
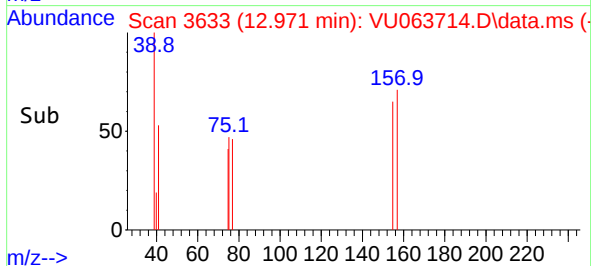
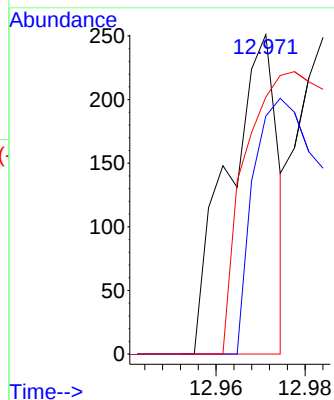
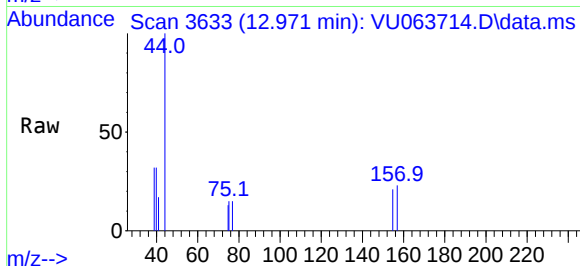
MSVOA\_U

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 75 Resp: 195

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 75  | 100   |       |        |
| 155 | 144.1 | 40.5  | 121.4# |
| 157 | 180.5 | 50.4  | 151.3# |



#93

1,2,4-Trichlorobenzene

Concen: 1.519 ug/l

RT: 13.820 min Scan# 3897

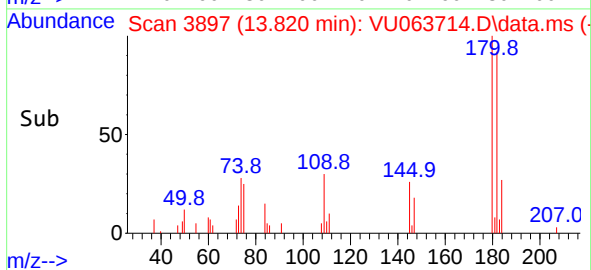
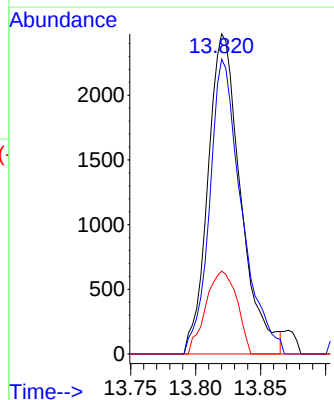
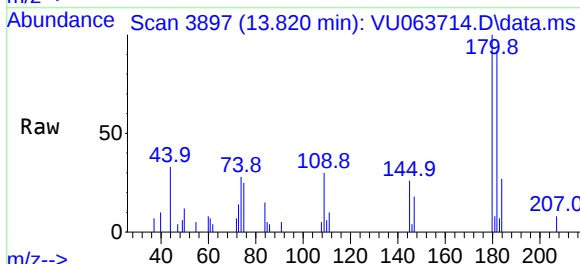
Delta R.T. 0.006 min

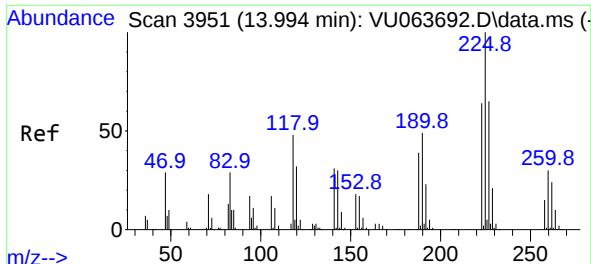
Lab File: VU063714.D

Acq: 12 Nov 2025 12:41

Tgt Ion: 180 Resp: 4343

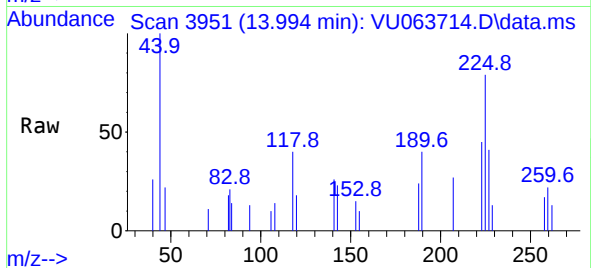
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 89.6  | 47.6  | 142.9 |
| 145 | 24.5  | 15.9  | 47.6  |





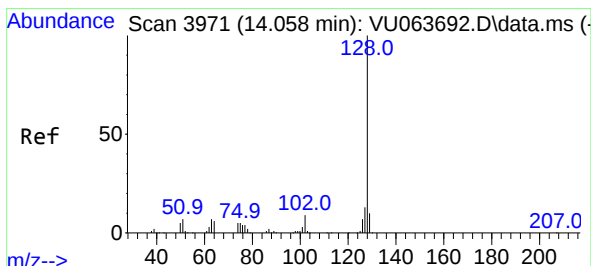
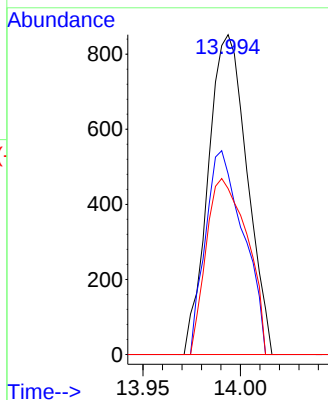
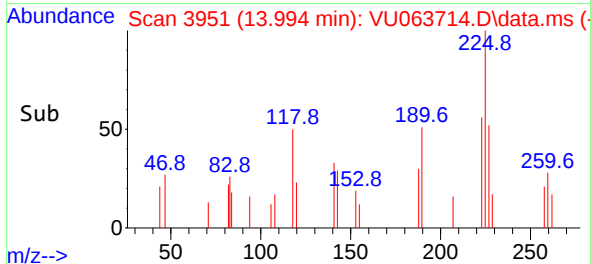
#94  
Hexachlorobutadiene  
Concen: 0.822 ug/l  
RT: 13.994 min Scan# 3951  
Delta R.T. -0.000 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-03-QT4-2025



Tgt Ion:225 Resp: 1184

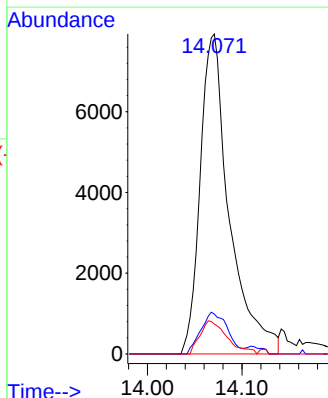
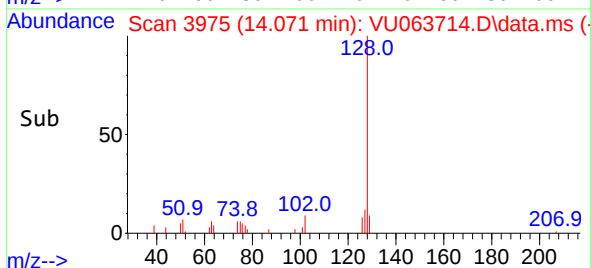
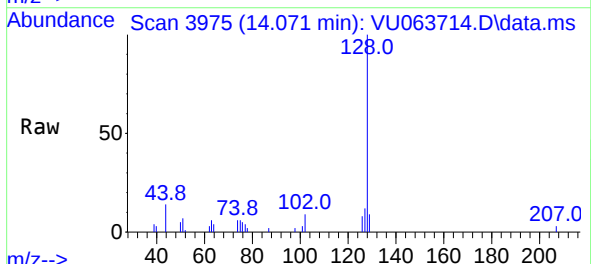
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 62.1  | 31.6  | 94.8  |
| 227 | 58.2  | 32.4  | 97.0  |

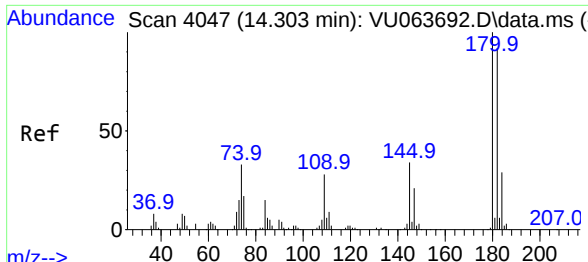


#95  
Naphthalene  
Concen: 2.190 ug/l  
RT: 14.071 min Scan# 3975  
Delta R.T. 0.013 min  
Lab File: VU063714.D  
Acq: 12 Nov 2025 12:41

Tgt Ion:128 Resp: 16958

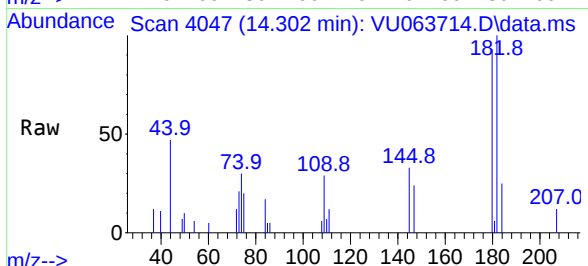
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 11.9  | 9.9   | 14.9  |
| 129 | 9.6   | 8.4   | 12.6  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.592 ug/l  
 RT: 14.302 min Scan# 40  
 Delta R.T. -0.000 min  
 Lab File: VU063714.D  
 Acq: 12 Nov 2025 12:41

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-03-QT4-2025



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 4231  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 98.2  | 47.3  | 142.0 |
| 145      | 28.3  | 16.6  | 49.7  |

