

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
 Data File : VU063524.D  
 Acq On : 17 Jul 2025 14:47  
 Operator : MD/SY  
 Sample : Q2552-09DL 5X  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 WS0725-PT-THM-WSDL

Quant Time: Jul 18 04:13:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:49:40 2025  
 Response via : Initial Calibration

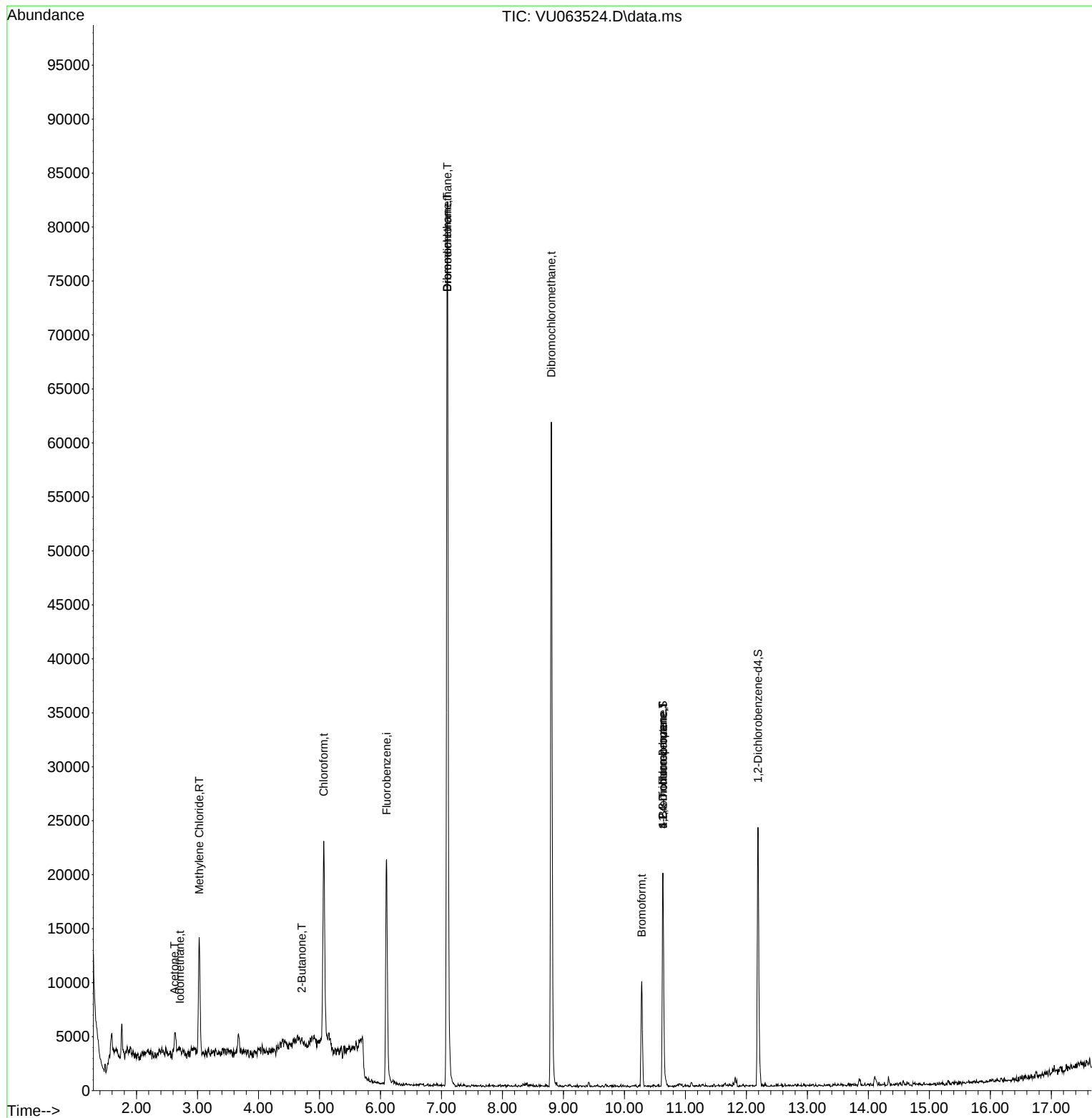
| Compound                    | R.T.   | QIon | Response | Conc  | Units    | Dev(Min) |
|-----------------------------|--------|------|----------|-------|----------|----------|
| -----                       |        |      |          |       |          |          |
| Internal Standards          |        |      |          |       |          |          |
| 1) Fluorobenzene            | 6.100  | 96   | 20483    | 1.000 | ug/l     | # 0.00   |
| System Monitoring Compounds |        |      |          |       |          |          |
| 57) 4-Bromofluorobenzene    | 10.630 | 95   | 8161     | 1.052 | ug/l     | 0.00     |
| Spiked Amount 1.000         |        |      | Recovery | =     | 105.000% |          |
| 68) 1,2-Dichlorobenzene-d4  | 12.190 | 152  | 7002     | 0.976 | ug/l     | 0.00     |
| Spiked Amount 1.000         |        |      | Recovery | =     | 98.000%  |          |
| Target Compounds            |        |      |          |       |          |          |
|                             |        |      |          |       |          | Qvalue   |
| 10) Iodomethane             | 2.711  | 142  | 283      | 0.948 | ug/l #   | 29       |
| 13) Acetone                 | 2.621  | 43   | 1401     | 1.315 | ug/l     | 98       |
| 15) Methylene Chloride      | 3.029  | 84   | 4864     | 0.777 | ug/l     | 94       |
| 18) 2-Butanone              | 4.711  | 43   | 339      | 0.205 | ug/l     | 77       |
| 27) Chloroform              | 5.071  | 83   | 15574    | 1.363 | ug/l     | 98       |
| 43) Dibromomethane          | 7.094  | 93   | 1794     | 0.613 | ug/l #   | 5        |
| 44) Bromodichloromethane    | 7.097  | 83   | 54809    | 8.307 | ug/l     | 99       |
| 46) t-1,4-Dichloro-2-butene | 10.630 | 75   | 4214     | 3.723 | ug/l #   | 33       |
| 55) Dibromochloromethane    | 8.801  | 129  | 32139    | 7.721 | ug/l     | 96       |
| 67) Bromoform               | 10.283 | 173  | 4431     | 2.073 | ug/l #   | 97       |
| 71) 1,2,3-Trichloropropane  | 10.630 | 75   | 4214     | 1.083 | ug/l #   | 45       |
| -----                       |        |      |          |       |          |          |

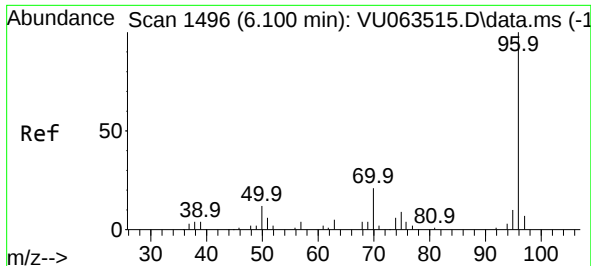
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071725\  
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Sample : Q2552-09DL 5X  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-THM-WSDL

Quant Time: Jul 18 04:13:19 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Thu Jul 17 03:49:40 2025  
Response via : Initial Calibration

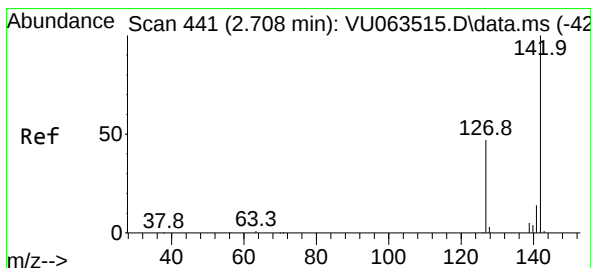
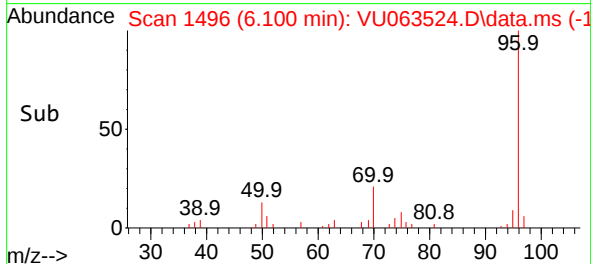
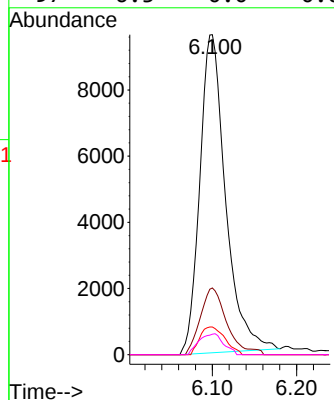
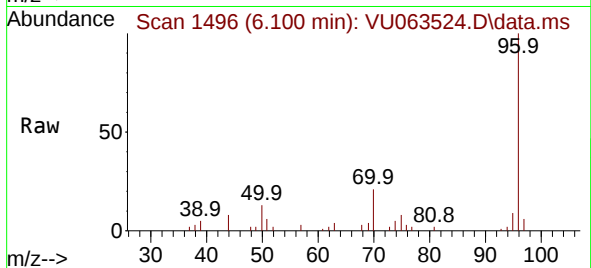




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.100 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: VU063524.D  
Acq: 17 Jul 2025 14:47

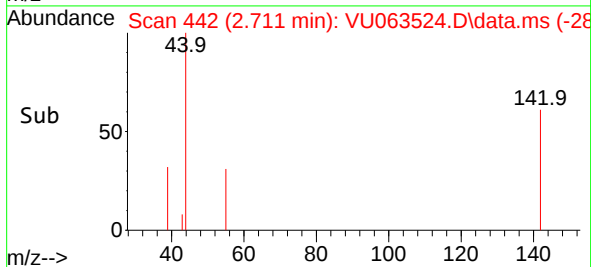
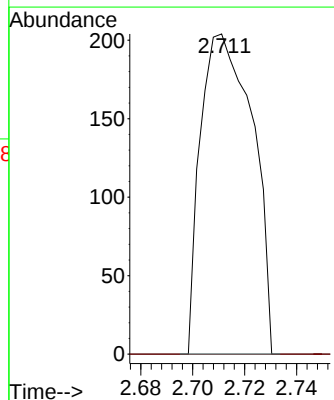
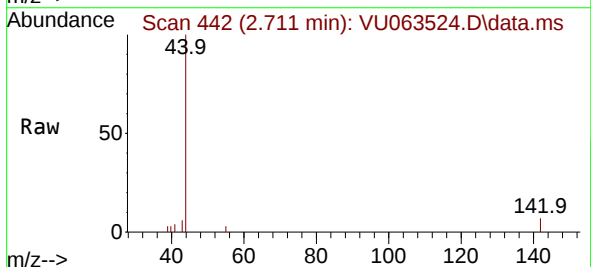
Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-THM-WSDL

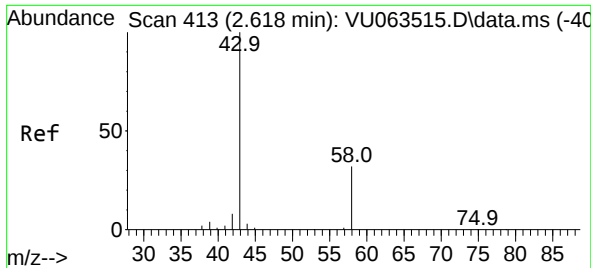
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 20483 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 70        | 21.5  | 15.0  | 22.4  |
| 95        | 8.5   | 7.4   | 11.0  |
| 97        | 6.3   | 0.0   | 0.0   |



#10  
Iodomethane  
Concen: 0.948 ug/l  
RT: 2.711 min Scan# 442  
Delta R.T. 0.003 min  
Lab File: VU063524.D  
Acq: 17 Jul 2025 14:47

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 142   | Resp: | 283  |
| Ion Ratio | Lower | Upper |      |
| 142       | 100   |       |      |
| 127       | 0.0   | 37.9  | 56.9 |





#13

Acetone

Concen: 1.315 ug/l

RT: 2.621 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU063524.D

Acq: 17 Jul 2025 14:47

Instrument :

MSVOA\_U

ClientSampleId :

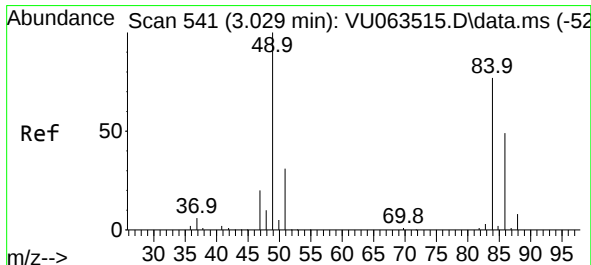
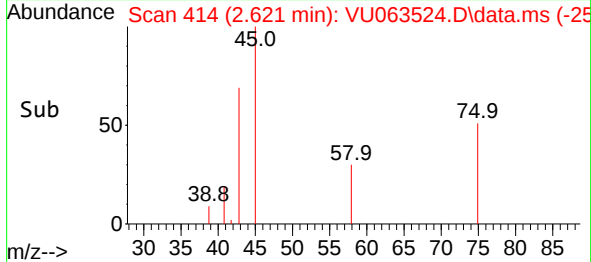
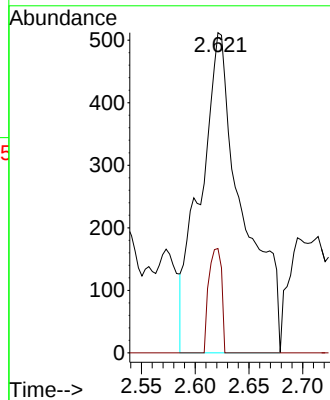
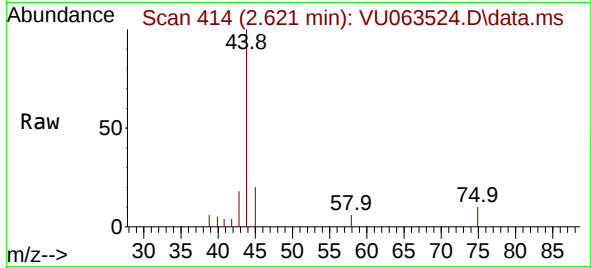
WS0725-PT-THM-WSDL

Tgt Ion: 43 Resp: 1401

Ion Ratio Lower Upper

43 100

58 32.6 25.4 38.0



#15

Methylene Chloride

Concen: 0.777 ug/l

RT: 3.029 min Scan# 541

Delta R.T. -0.000 min

Lab File: VU063524.D

Acq: 17 Jul 2025 14:47

Tgt Ion: 84 Resp: 4864

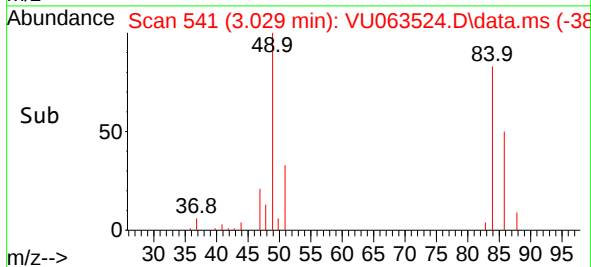
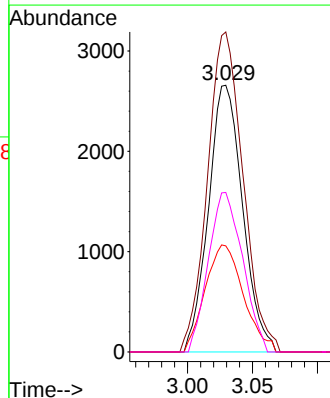
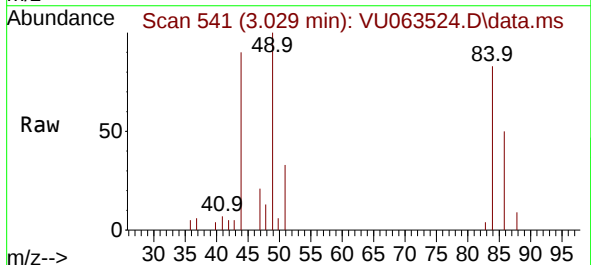
Ion Ratio Lower Upper

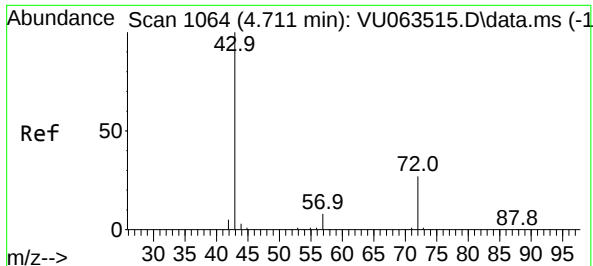
84 100

49 120.0 103.8 155.8

51 39.8 0.0 80.4

86 59.8 51.1 76.7

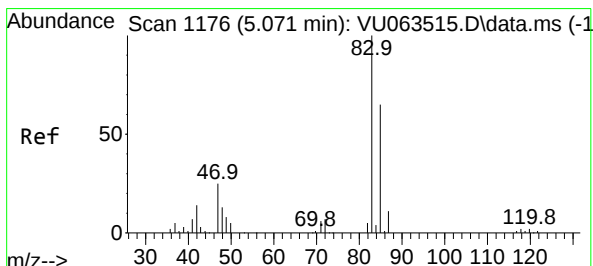
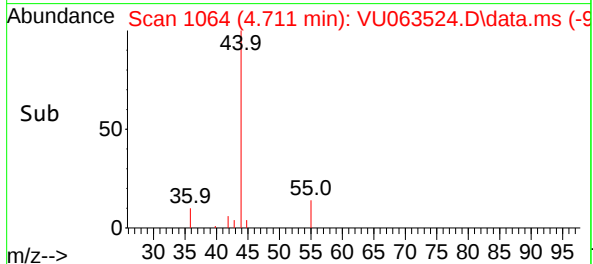
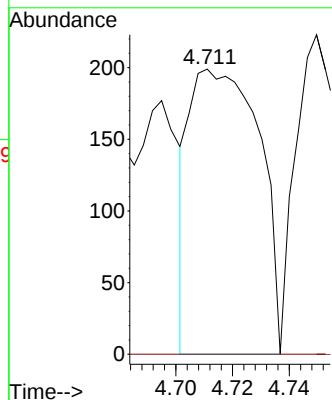
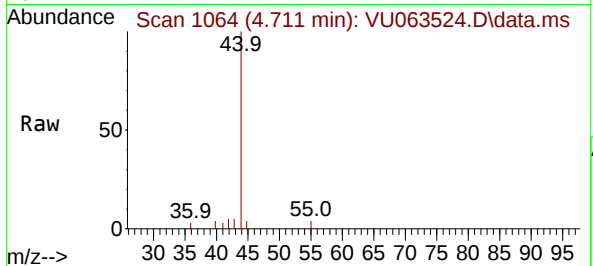




#18  
2-Butanone  
Concen: 0.205 ug/l  
RT: 4.711 min Scan# 1064  
Delta R.T. -0.000 min  
Lab File: VU063524.D  
Acq: 17 Jul 2025 14:47

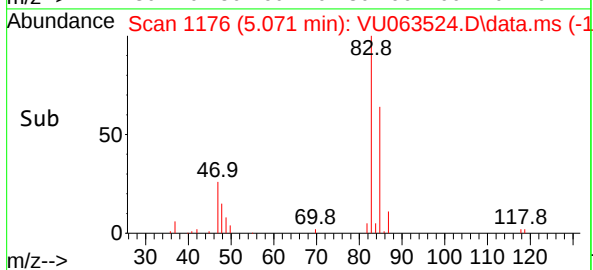
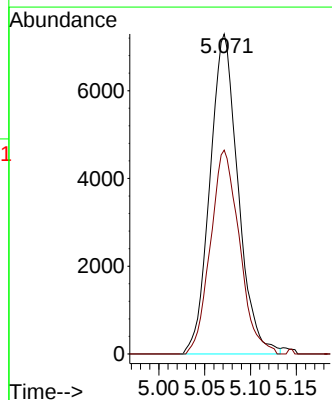
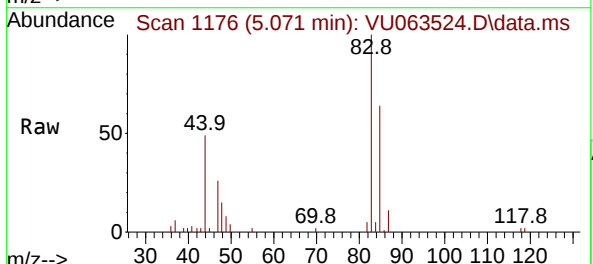
Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-THM-WSDL

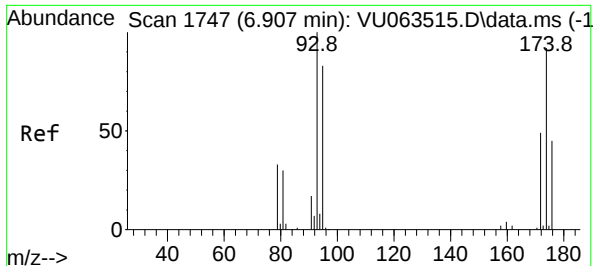
Tgt Ion: 43 Resp: 339  
Ion Ratio Lower Upper  
43 100  
57 0.0 0.0 16.4



#27  
Chloroform  
Concen: 1.363 ug/l  
RT: 5.071 min Scan# 1176  
Delta R.T. -0.000 min  
Lab File: VU063524.D  
Acq: 17 Jul 2025 14:47

Tgt Ion: 83 Resp: 15574  
Ion Ratio Lower Upper  
83 100  
85 63.7 0.0 130.0





#43

Dibromomethane

Concen: 0.613 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.186 min

Lab File: VU063524.D

Acq: 17 Jul 2025 14:47

Instrument :

MSVOA\_U

ClientSampleId :

WS0725-PT-THM-WSDL

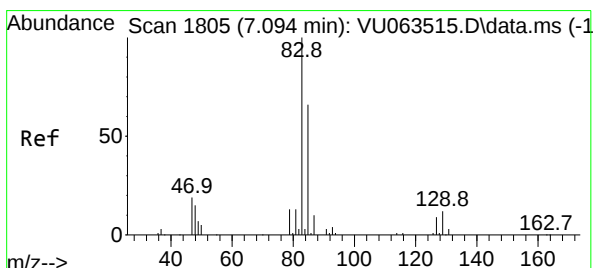
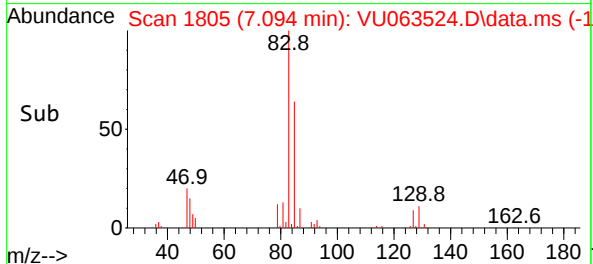
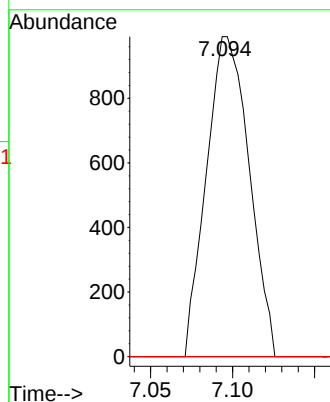
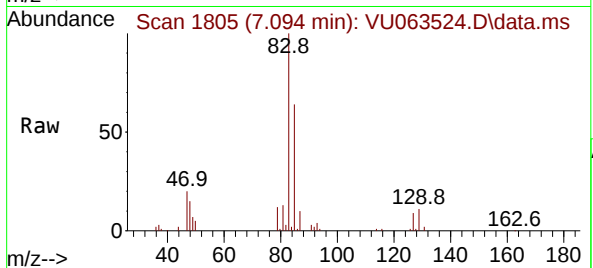
Tgt Ion: 93 Resp: 1794

Ion Ratio Lower Upper

93 100

95 0.0 67.9 101.9#

174 0.0 74.6 111.8#



#44

Bromodichloromethane

Concen: 8.307 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063524.D

Acq: 17 Jul 2025 14:47

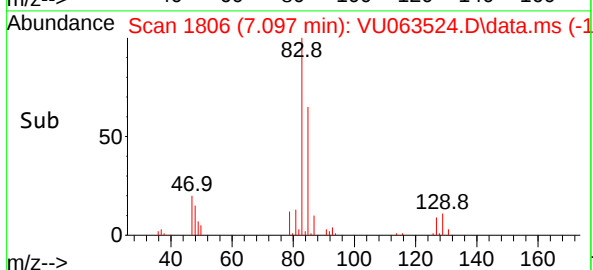
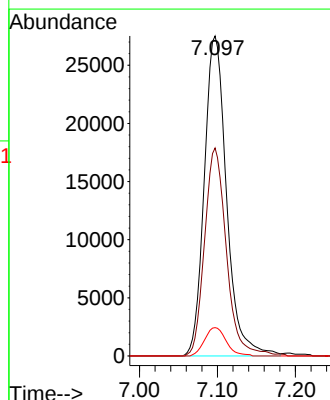
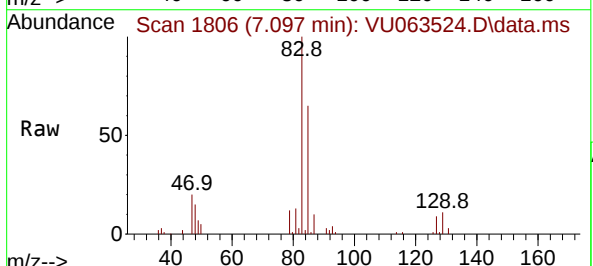
Tgt Ion: 83 Resp: 54809

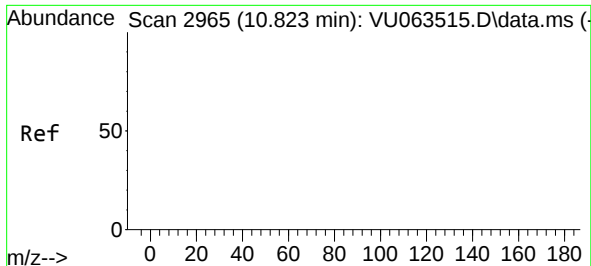
Ion Ratio Lower Upper

83 100

85 65.0 52.7 79.1

127 8.9 8.1 12.1

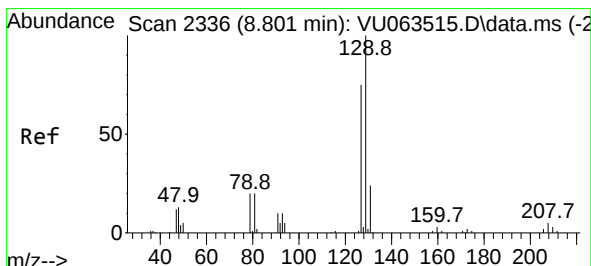
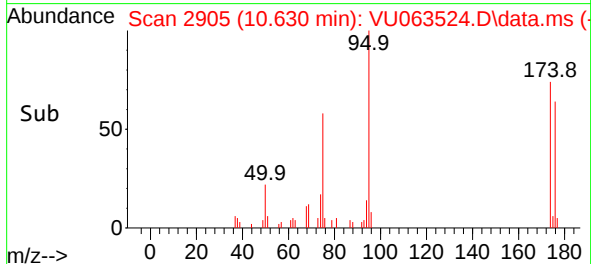
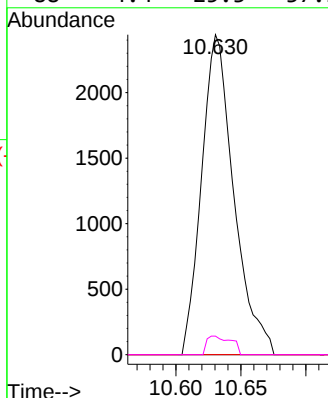
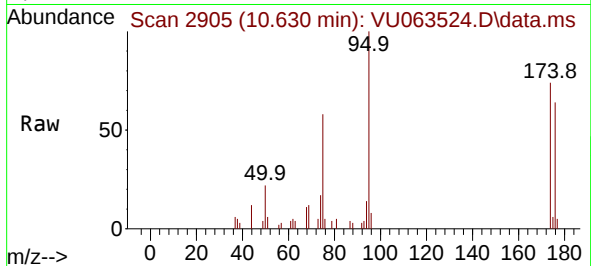




#46  
t-1,4-Dichloro-2-butene  
Concen: 3.723 ug/l  
RT: 10.630 min Scan# 2965  
Delta R.T. -0.193 min  
Lab File: VU063524.D  
Acq: 17 Jul 2025 14:47

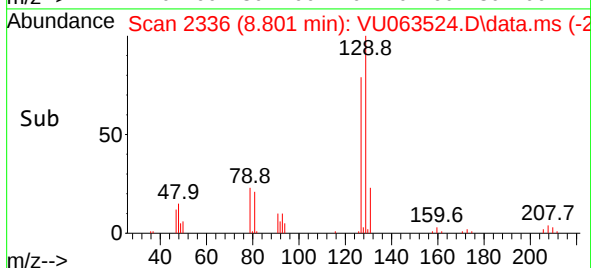
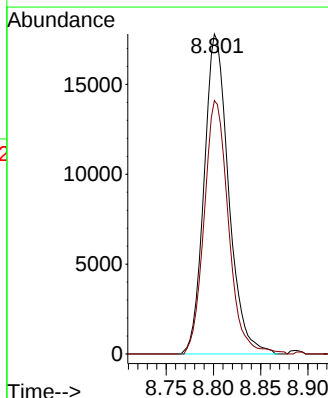
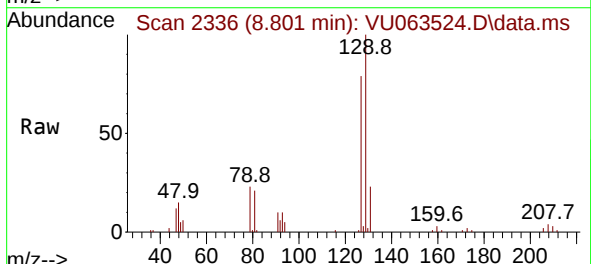
Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-THM-WSDL

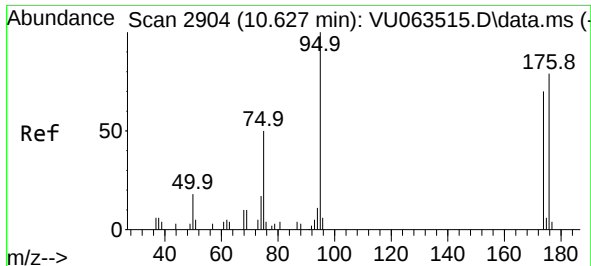
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|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4214  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 0.0   | 48.4  | 72.6# |
| 89       | 0.0   | 30.6  | 45.8# |
| 88       | 4.4   | 25.3  | 37.9# |



#55  
Dibromochloromethane  
Concen: 7.721 ug/l  
RT: 8.801 min Scan# 2336  
Delta R.T. -0.000 min  
Lab File: VU063524.D  
Acq: 17 Jul 2025 14:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 32139 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 78.4  | 60.1  | 90.1  |

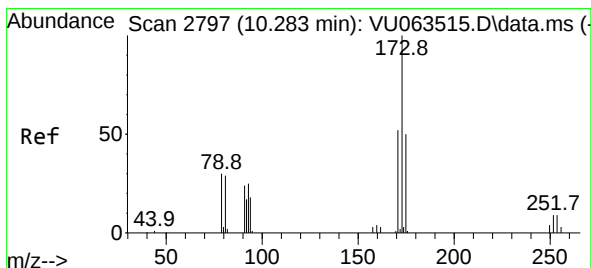
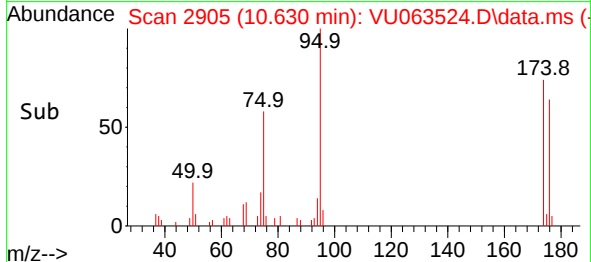
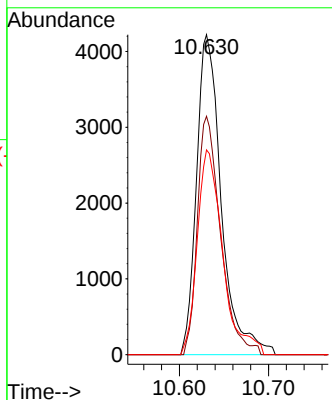
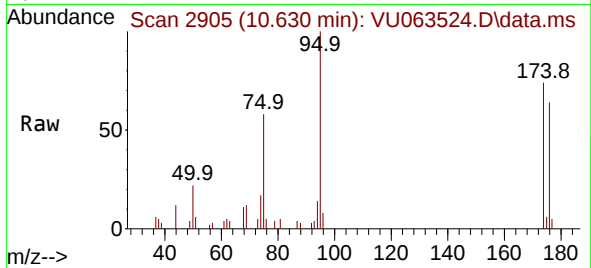




#57  
4-Bromofluorobenzene  
Concen: 1.052 ug/l  
RT: 10.630 min Scan# 2905  
Delta R.T. 0.003 min  
Lab File: VU063524.D  
Acq: 17 Jul 2025 14:47

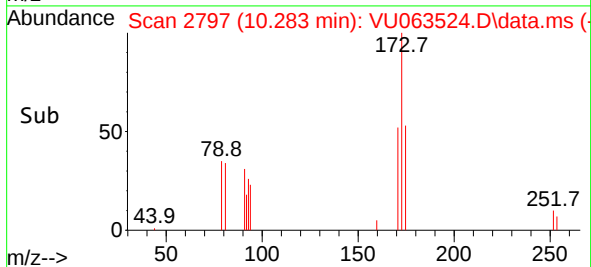
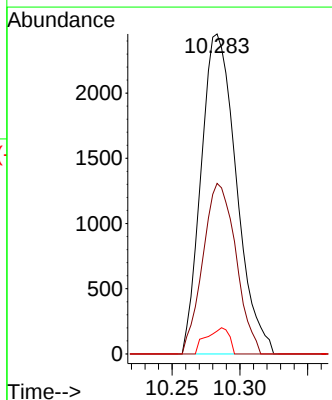
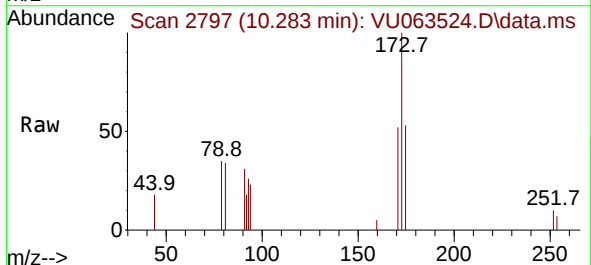
Instrument :  
MSVOA\_U  
ClientSampleId :  
WS0725-PT-THM-WSDL

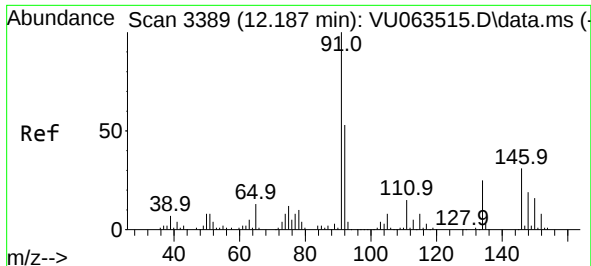
Tgt Ion: 95 Resp: 8161  
Ion Ratio Lower Upper  
95 100  
174 69.8 59.8 89.8  
176 65.8 61.8 92.8



#67  
Bromoform  
Concen: 2.073 ug/l  
RT: 10.283 min Scan# 2797  
Delta R.T. -0.000 min  
Lab File: VU063524.D  
Acq: 17 Jul 2025 14:47

Tgt Ion: 173 Resp: 4431  
Ion Ratio Lower Upper  
173 100  
175 50.0 39.0 58.4  
254 5.3 6.5 9.7#

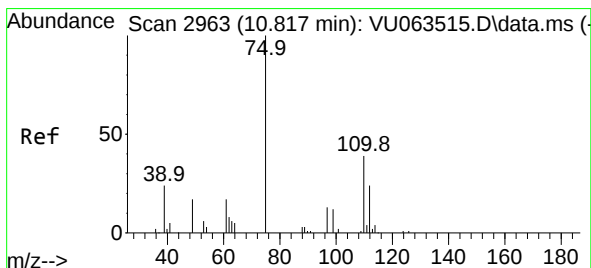
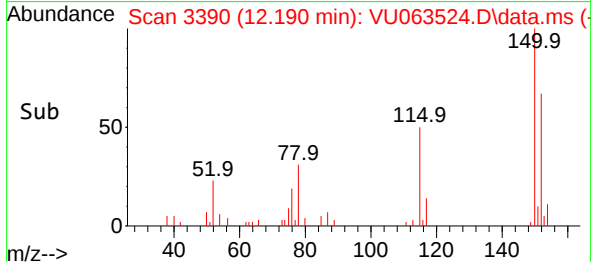
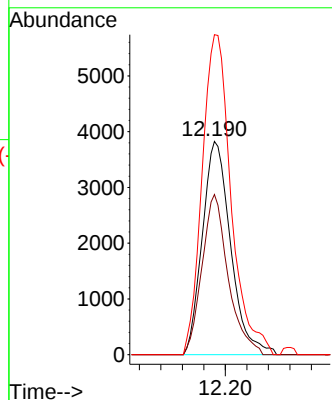
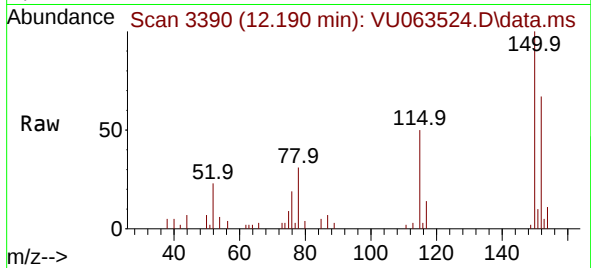




#68  
 1,2-Dichlorobenzene-d4  
 Concen: 0.976 ug/l  
 RT: 12.190 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU063524.D  
 Acq: 17 Jul 2025 14:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 WS0725-PT-THM-WSDL

Tgt Ion:152 Resp: 7002  
 Ion Ratio Lower Upper  
 152 100  
 115 69.4 0.0 262.2  
 150 153.4 0.0 651.2



#71  
 1,2,3-Trichloropropane  
 Concen: 1.083 ug/l  
 RT: 10.630 min Scan# 2905  
 Delta R.T. -0.187 min  
 Lab File: VU063524.D  
 Acq: 17 Jul 2025 14:47

Tgt Ion: 75 Resp: 4214  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0  
 110 0.0 0.0 73.2  
 97 0.0 0.0 37.6

