

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021125\  
 Data File : VU063245.D  
 Acq On : 11 Feb 2025 19:04  
 Operator : MD/SY  
 Sample : Q1168-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2025

Quant Time: Feb 12 04:12:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U021025DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Feb 12 04:10:16 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 02/12/2025  
 Supervised By :Mahesh Dadoda 02/12/2025

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.107  | 96   | 49516    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 14450    | 0.885 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 88.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 15221    | 0.896 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 90.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 8547     | 0.531 | ug/l    | 97       |
| 3) Chloromethane             | 1.518  | 50   | 10883    | 0.587 | ug/l    | 99       |
| 4) Vinyl Chloride            | 1.599  | 62   | 9753     | 0.532 | ug/l    | 97       |
| 5) Bromomethane              | 1.846  | 94   | 5800     | 0.648 | ug/l    | 100      |
| 6) Chloroethane              | 1.924  | 64   | 6434     | 0.557 | ug/l    | # 85     |
| 7) Trichlorofluoromethane    | 2.129  | 101  | 12419    | 0.572 | ug/l    | 100      |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 6744     | 0.547 | ug/l    | 97       |
| 9) 1,1-Dichloroethene        | 2.570  | 96   | 6736     | 0.536 | ug/l    | 95       |
| 10) Iodomethane              | 2.711  | 142  | 10840    | 0.549 | ug/l    | 100      |
| 11) Allyl Chloride           | 2.911  | 41   | 9747     | 0.540 | ug/l    | 100      |
| 12) Acrylonitrile            | 3.322  | 53   | 2819     | 0.973 | ug/l    | # 76     |
| 13) Acetone                  | 2.618  | 43   | 6335     | 2.843 | ug/l    | 100      |
| 14) Carbon Disulfide         | 2.782  | 76   | 24608    | 0.560 | ug/l    | 98       |
| 15) Methylene Chloride       | 3.033  | 84   | 8947     | 0.576 | ug/l    | 95       |
| 16) trans-1,2-Dichloroethene | 3.345  | 96   | 7295     | 0.509 | ug/l    | 88       |
| 17) 1,1-Dichloroethane       | 3.856  | 63   | 14799    | 0.548 | ug/l    | 97       |
| 18) 2-Butanone               | 4.730  | 43   | 9471m    | 2.671 | ug/l    |          |
| 19) Cyclohexane              | 5.374  | 56   | 10913m   | 0.503 | ug/l    |          |
| 20) Methylcyclohexane        | 6.750  | 83   | 10467    | 0.486 | ug/l    | 97       |
| 21) 2,2-Dichloropropane      | 4.650  | 77   | 11200    | 0.531 | ug/l    | 99       |
| 22) cis-1,2-Dichloroethene   | 4.660  | 96   | 8504     | 0.549 | ug/l    | 97       |
| 23) Diethyl Ether            | 2.367  | 59   | 5574     | 0.517 | ug/l    | # 87     |
| 24) tert-Butyl Alcohol       | 3.174  | 59   | 11712    | 8.932 | ug/l    | # 88     |
| 25) Methyl tert-Butyl Ether  | 3.351  | 73   | 16568    | 0.528 | ug/l    | 97       |
| 26) Bromochloromethane       | 4.972  | 128  | 3788     | 0.559 | ug/l    | 92       |
| 27) Chloroform               | 5.078  | 83   | 15658    | 0.574 | ug/l    | 91       |
| 28) 1,1,1-Trichloroethane    | 5.306  | 97   | 11945    | 0.541 | ug/l    | 98       |
| 29) 1,1-Dichloropropene      | 5.518  | 75   | 10194    | 0.515 | ug/l    | 98       |
| 30) Carbon Tetrachloride     | 5.512  | 117  | 10904    | 0.576 | ug/l    | 90       |
| 31) Isopropyl Ether          | 3.981  | 45   | 19939    | 0.517 | ug/l    | 98       |
| 32) Ethyl-t-butyl ether      | 4.486  | 59   | 17524    | 0.499 | ug/l    | 99       |
| 33) Tert-Amyl methyl ether   | 5.930  | 73   | 15508    | 0.506 | ug/l    | 99       |
| 34) Propionitrile            | 4.808  | 54   | 2560m    | 2.394 | ug/l    |          |
| 35) Benzene                  | 5.766  | 78   | 33147    | 0.545 | ug/l    | 99       |
| 36) 1,2-Dichloroethane       | 5.788  | 62   | 9160     | 0.522 | ug/l    | 97       |
| 37) Trichloroethene          | 6.534  | 130  | 8367     | 0.578 | ug/l    | 100      |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 8371     | 0.526 | ug/l    | 91       |
| 39) Methacrylonitrile        | 4.984  | 41   | 1962m    | 0.492 | ug/l    |          |
| 40) Methyl acrylate          | 4.882  | 55   | 3625m    | 0.493 | ug/l    |          |
| 41) Tetrahydrofuran          | 5.058  | 42   | 2603     | 1.123 | ug/l    | # 82     |
| 42) 1-Chlorobutane           | 5.451  | 56   | 14071    | 0.520 | ug/l    | 94       |
| 43) Dibromomethane           | 6.914  | 93   | 4280     | 0.531 | ug/l    | 97       |
| 44) Bromodichloromethane     | 7.097  | 83   | 10849    | 0.578 | ug/l    | 97       |

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 ALS Vial : 22 Sample Multiplier: 1

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 ClientSampleId :  
 LOQ-WATER-02-QT1-2025

Quant Time: Feb 12 04:12:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U021025DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Feb 12 04:10:16 2025  
 Response via : Initial Calibration

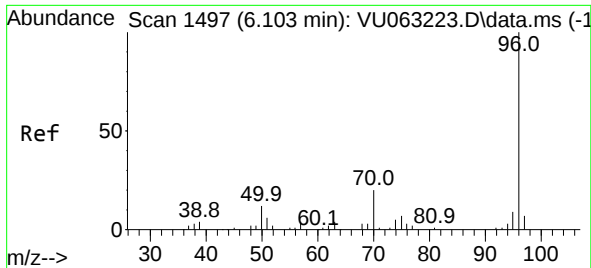
### Manual Integrations APPROVED

Reviewed By :Amit Patel 02/12/2025  
 Supervised By :Mahesh Dadoda 02/12/2025

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.782  | 43   | 20299    | 2.401 | ug/l   | 92       |
| 46) t-1,4-Dichloro-2-butene   | 10.817 | 75   | 4469m    | 1.125 | ug/l   |          |
| 47) Methyl methacrylate       | 6.962  | 69   | 6051m    | 0.891 | ug/l   |          |
| 48) Ethyl methacrylate        | 8.335  | 69   | 5654     | 0.443 | ug/l   | 100      |
| 49) Toluene                   | 7.962  | 92   | 17076    | 0.488 | ug/l   | 97       |
| 50) t-1,3-Dichloropropene     | 8.206  | 75   | 8498     | 0.495 | ug/l   | 94       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 10557    | 0.497 | ug/l   | 96       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 6004     | 0.552 | ug/l   | 92       |
| 53) 1,3-Dichloropropane       | 8.570  | 76   | 10372    | 0.537 | ug/l   | 96       |
| 54) 2-Hexanone                | 8.685  | 43   | 13529m   | 2.345 | ug/l   |          |
| 55) Dibromochloromethane      | 8.798  | 129  | 6832     | 0.546 | ug/l   | 100      |
| 56) 1,2-Dibromoethane         | 8.920  | 107  | 5306     | 0.520 | ug/l   | 98       |
| 58) Tetrachloroethene         | 8.544  | 164  | 6873     | 0.576 | ug/l   | 94       |
| 59) Chlorobenzene             | 9.441  | 112  | 19237    | 0.521 | ug/l   | 98       |
| 60) 1,1,1,2-Tetrachloroethane | 9.524  | 131  | 7524     | 0.567 | ug/l   | 97       |
| 61) Pentachloroethane         | 11.415 | 117  | 6352     | 0.536 | ug/l   | 92       |
| 62) Hexachloroethane          | 12.463 | 117  | 5243     | 0.500 | ug/l   | 93       |
| 63) Ethyl Benzene             | 9.563  | 91   | 29739    | 0.467 | ug/l   | 99       |
| 64) m/p-Xylenes               | 9.685  | 106  | 21944    | 0.923 | ug/l   | 92       |
| 65) o-Xylene                  | 10.094 | 106  | 10985    | 0.472 | ug/l   | 99       |
| 66) Styrene                   | 10.113 | 104  | 16318    | 0.440 | ug/l   | 98       |
| 67) Bromoform                 | 10.283 | 173  | 3852     | 0.543 | ug/l # | 97       |
| 69) Isopropylbenzene          | 10.473 | 105  | 25304    | 0.462 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 7937     | 0.542 | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.814 | 75   | 5483m    | 0.498 | ug/l   |          |
| 72) Bromobenzene              | 10.778 | 156  | 7720     | 0.523 | ug/l   | 83       |
| 73) n-propylbenzene           | 10.897 | 120  | 7098     | 0.453 | ug/l   | 99       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 7187     | 0.498 | ug/l   | 88       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 21086    | 0.416 | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.094 | 126  | 7168     | 0.484 | ug/l   | 86       |
| 77) tert-Butylbenzene         | 11.409 | 119  | 23184    | 0.452 | ug/l   | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 20247    | 0.402 | ug/l   | 97       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 28659    | 0.439 | ug/l   | 99       |
| 80) Nitrobenzene              | 13.238 | 77   | 657m     | 1.885 | ug/l   |          |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 21014    | 0.408 | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.740 | 146  | 14427    | 0.504 | ug/l   | 97       |
| 83) 1,4-Dichlorobenzene       | 11.833 | 146  | 14210    | 0.508 | ug/l   | 99       |
| 84) n-Butylbenzene            | 12.203 | 91   | 19763    | 0.428 | ug/l   | 95       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 13911    | 0.506 | ug/l   | 98       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.003 | 75   | 888      | 0.432 | ug/l   | 98       |
| 87) 1,2,4-Trichlorobenzene    | 13.843 | 180  | 6125     | 0.457 | ug/l   | 97       |
| 88) Hexachlorobutadiene       | 14.010 | 225  | 5337     | 0.557 | ug/l   | 100      |
| 89) Naphthalene               | 14.093 | 128  | 9951m    | 0.461 | ug/l   |          |
| 90) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 6122     | 0.467 | ug/l   | 96       |

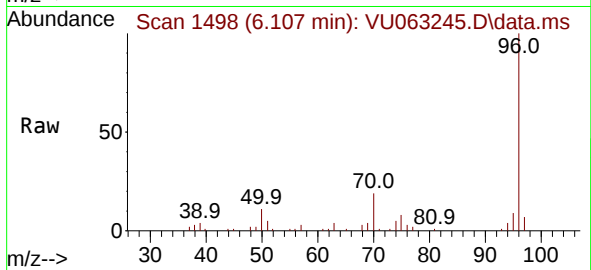
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.107 min Scan# 1497  
Delta R.T. 0.004 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

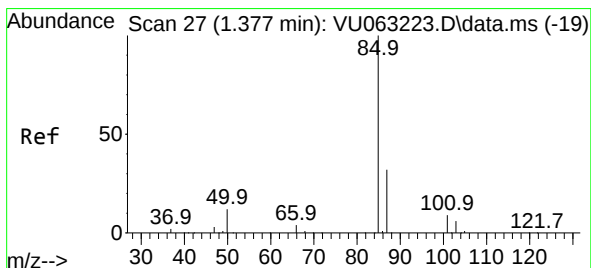
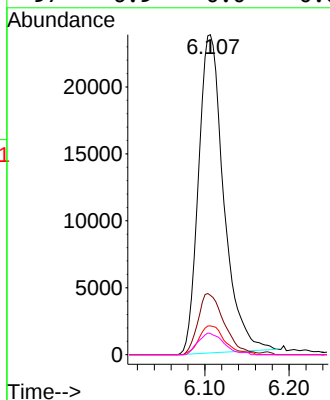
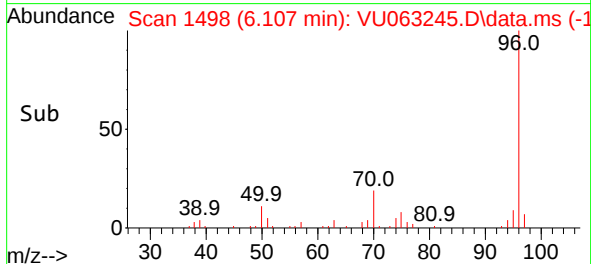
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



Tgt Ion: 96 Resp: 49510  
Ion Ratio Lower Upper  
96 100  
70 19.3 15.6 23.4  
95 9.3 7.3 10.9  
97 6.9 0.0 0.0#

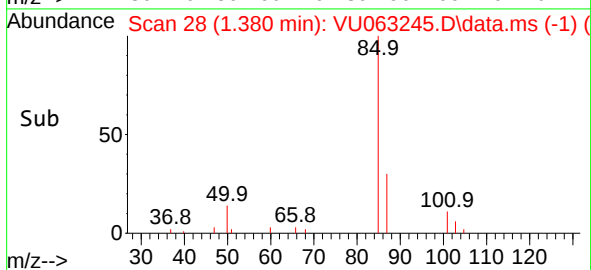
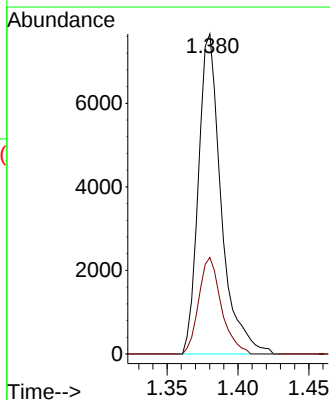
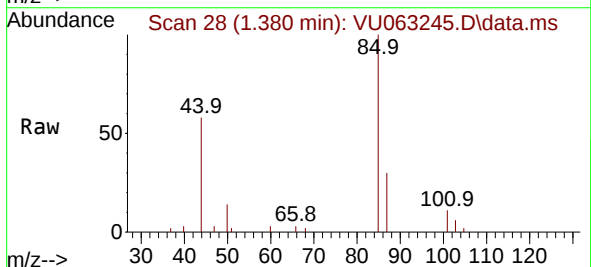
Manual Integrations  
APPROVED

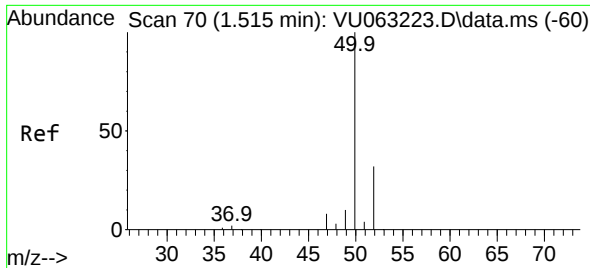
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#2  
Dichlorodifluoromethane  
Concen: 0.531 ug/l  
RT: 1.380 min Scan# 28  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

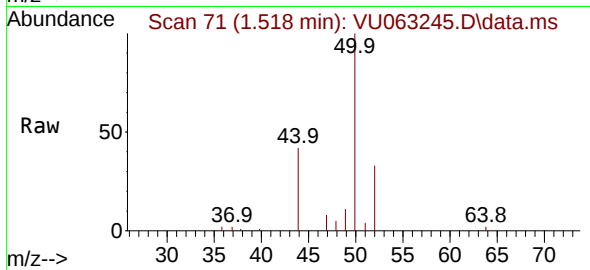
Tgt Ion: 85 Resp: 8547  
Ion Ratio Lower Upper  
85 100  
87 30.1 16.0 48.0





#3  
Chloromethane  
Concen: 0.587 ug/l  
RT: 1.518 min Scan# 70  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

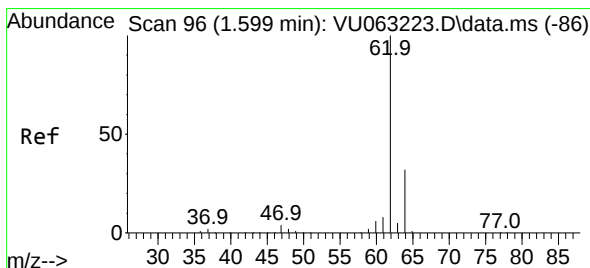
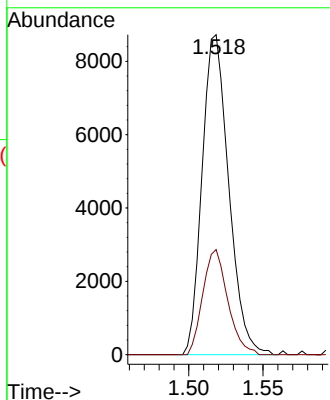
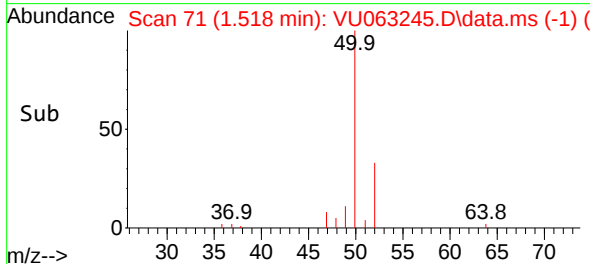
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



Tgt Ion: 50 Resp: 1088  
Ion Ratio Lower Upper  
50 100  
52 32.8 25.8 38.8

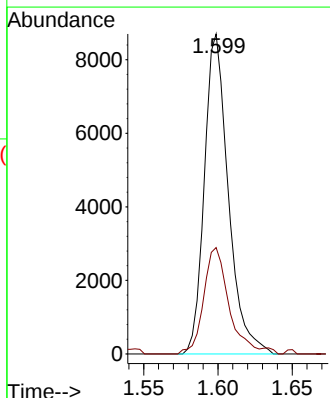
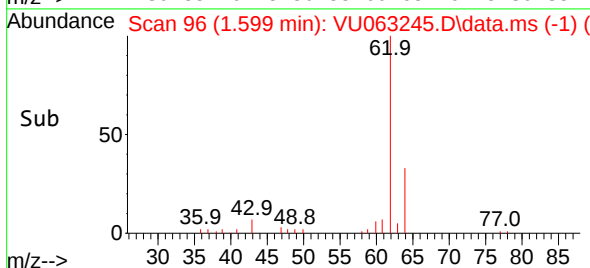
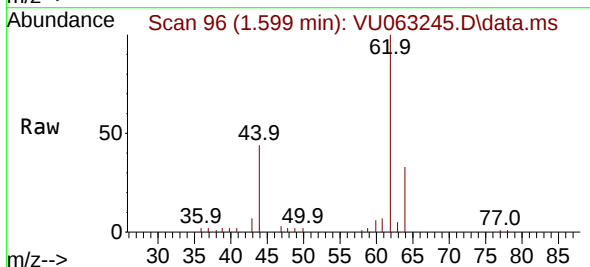
Manual Integrations  
APPROVED

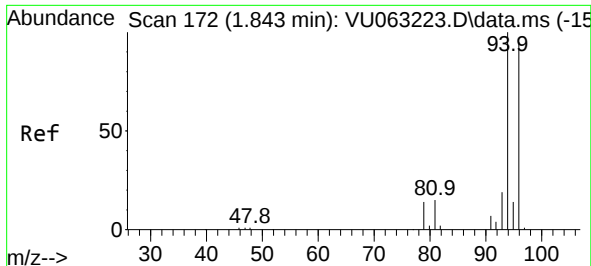
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#4  
Vinyl Chloride  
Concen: 0.532 ug/l  
RT: 1.599 min Scan# 96  
Delta R.T. -0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

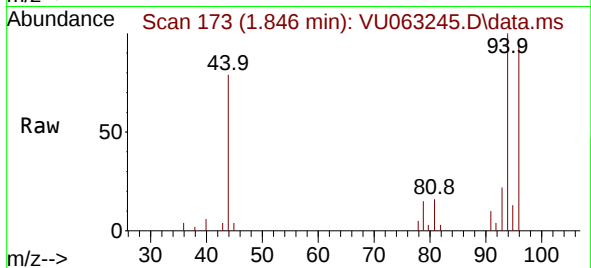
Tgt Ion: 62 Resp: 9753  
Ion Ratio Lower Upper  
62 100  
64 33.3 25.4 38.0





#5  
Bromomethane  
Concen: 0.648 ug/l  
RT: 1.846 min Scan# 172  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

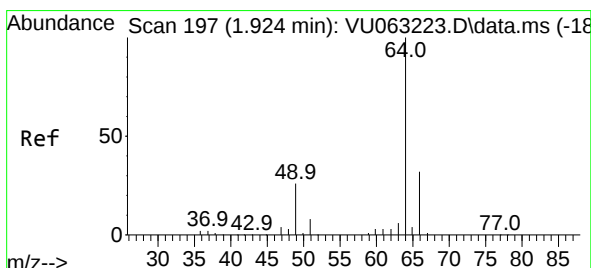
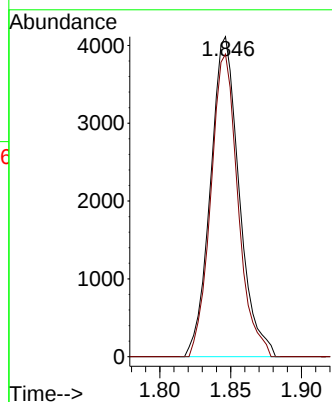
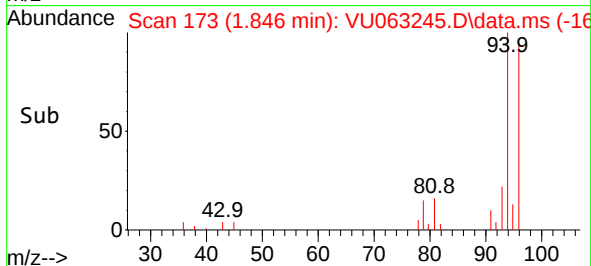
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



Tgt Ion: 94 Resp: 5800  
Ion Ratio Lower Upper  
94 100  
96 94.6 75.7 113.5

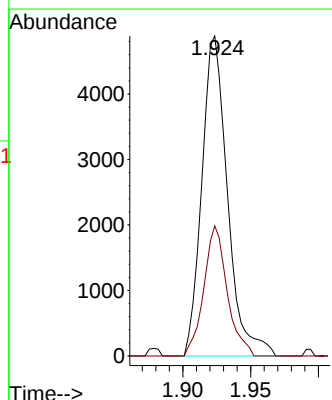
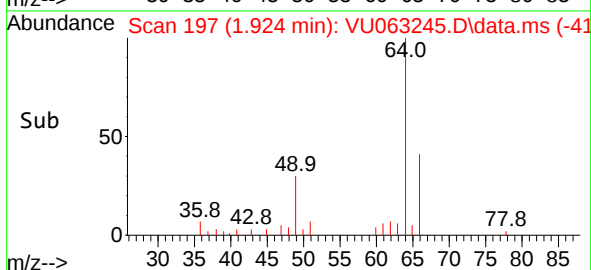
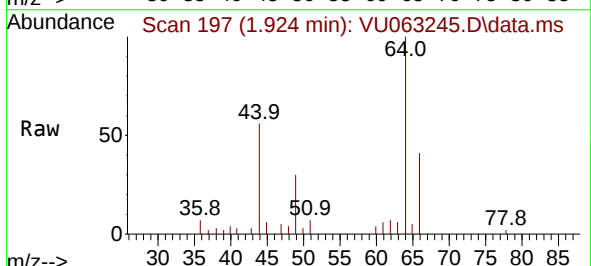
Manual Integrations  
APPROVED

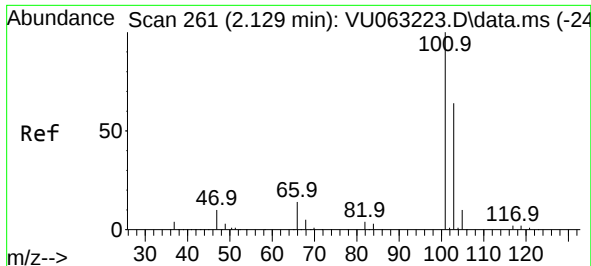
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#6  
Chloroethane  
Concen: 0.557 ug/l  
RT: 1.924 min Scan# 197  
Delta R.T. -0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

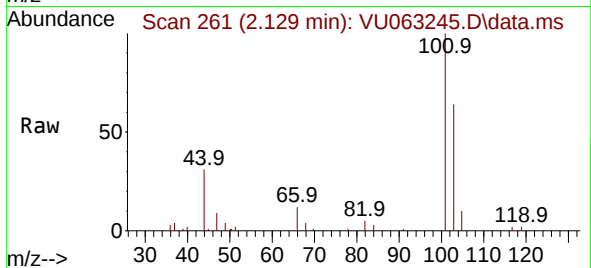
Tgt Ion: 64 Resp: 6434  
Ion Ratio Lower Upper  
64 100  
66 40.6 25.8 38.8#





#7  
Trichlorofluoromethane  
Concen: 0.572 ug/l  
RT: 2.129 min Scan# 261  
Delta R.T. 0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

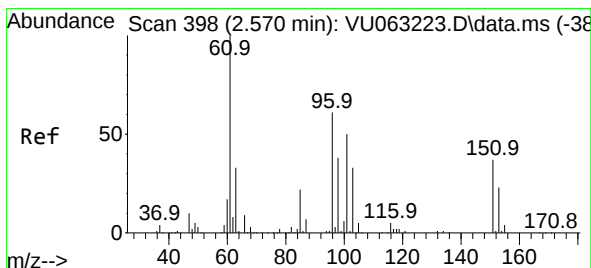
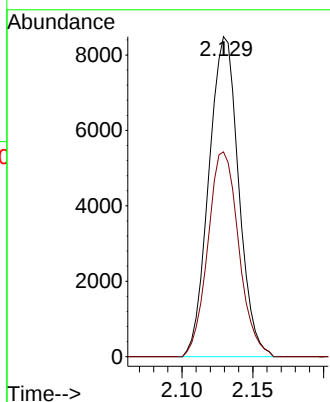
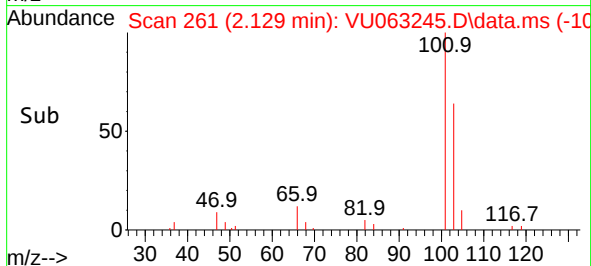
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ClientSampleId :  
LOQ-WATER-02-QT1-2025



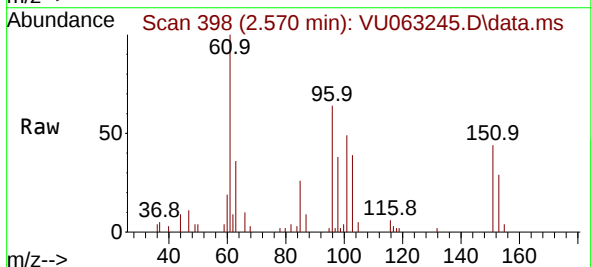
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Ion Ratio Lower Upper  
101 100  
103 64.0 51.4 77.2

Manual Integrations  
APPROVED

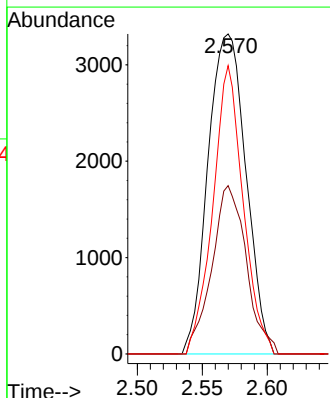
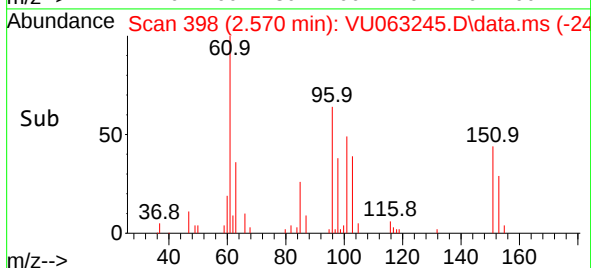
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025

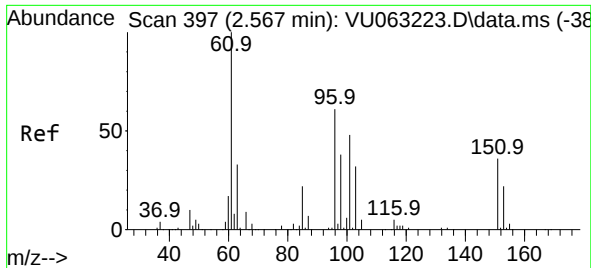


#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.547 ug/l  
RT: 2.570 min Scan# 398  
Delta R.T. 0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04



Tgt Ion:101 Resp: 6744  
Ion Ratio Lower Upper  
101 100  
85 47.8 35.4 53.0  
151 71.9 58.5 87.7





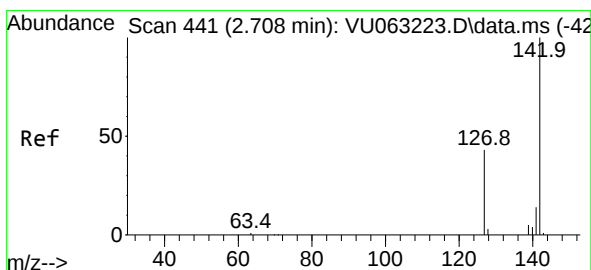
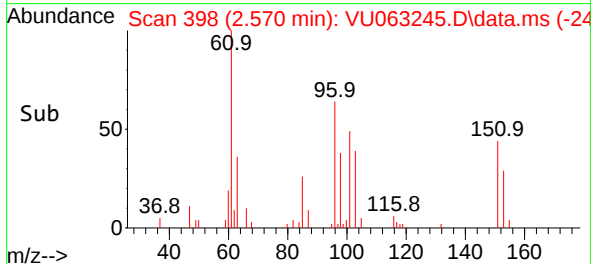
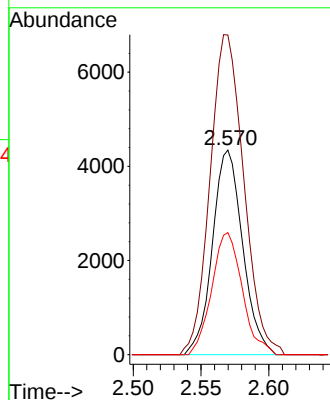
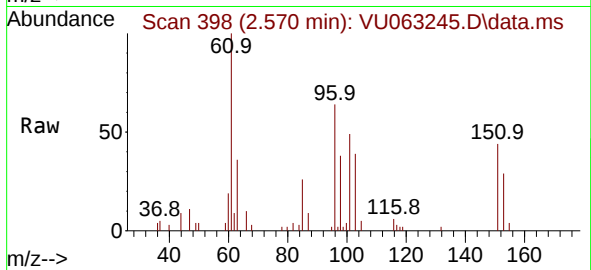
#9  
1,1-Dichloroethene  
Concen: 0.536 ug/l  
RT: 2.570 min Scan# 397  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

Tgt Ion: 96 Resp: 6730  
Ion Ratio Lower Upper  
96 100  
61 156.2 0.0 492.9  
98 62.8 0.0 124.0

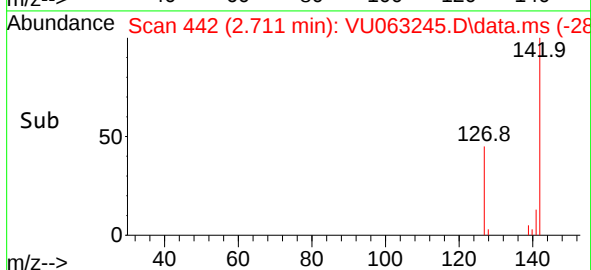
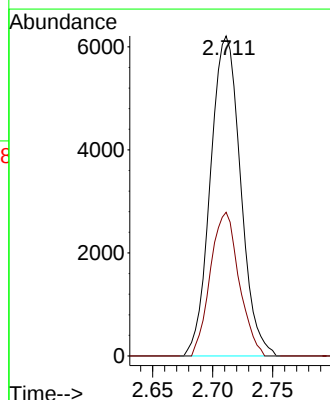
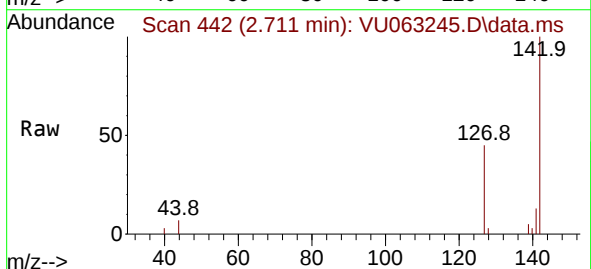
Manual Integrations  
APPROVED

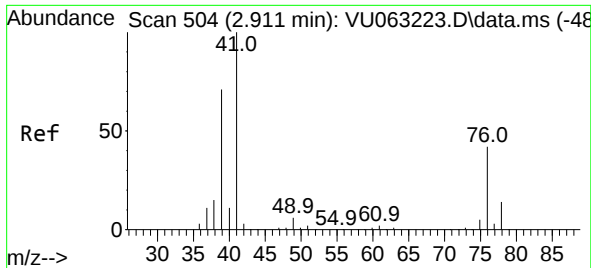
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#10  
Iodomethane  
Concen: 0.549 ug/l  
RT: 2.711 min Scan# 442  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Tgt Ion:142 Resp: 10840  
Ion Ratio Lower Upper  
142 100  
127 42.8 34.5 51.7





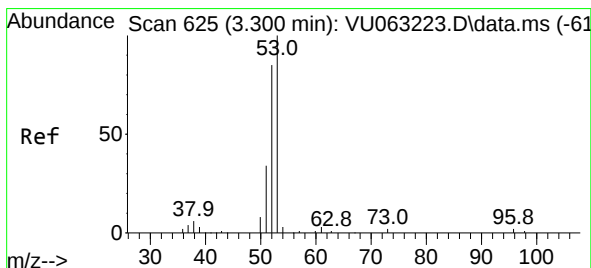
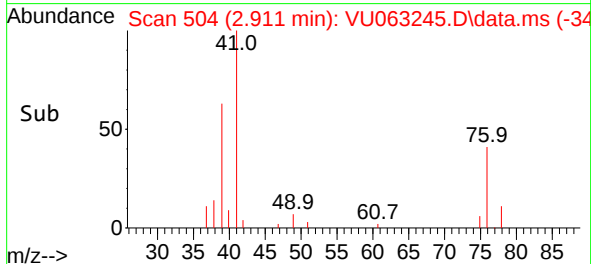
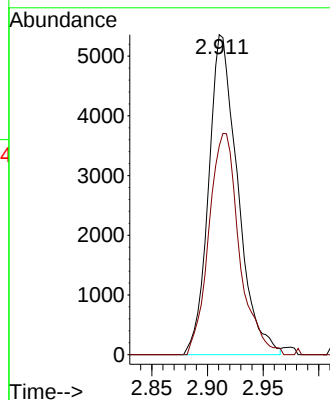
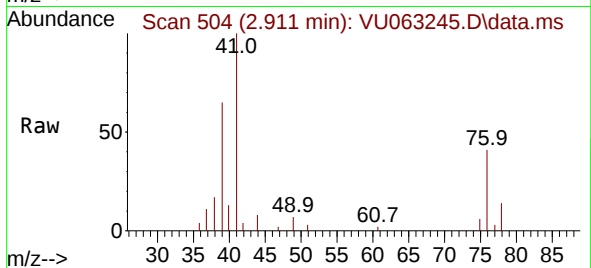
#11  
 Allyl Chloride  
 Concen: 0.540 ug/l  
 RT: 2.911 min Scan# 504  
 Delta R.T. 0.000 min  
 Lab File: VU063245.D  
 Acq: 11 Feb 2025 19:04

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2025

Tgt Ion: 41 Resp: 974  
 Ion Ratio Lower Upper  
 41 100  
 39 72.2 57.9 86.9

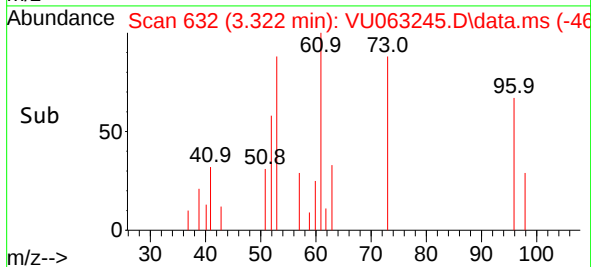
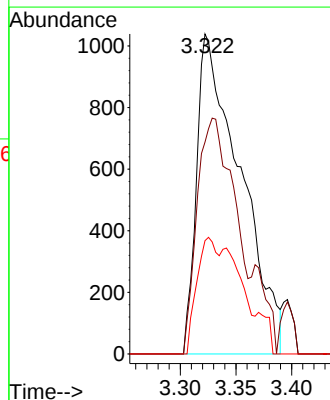
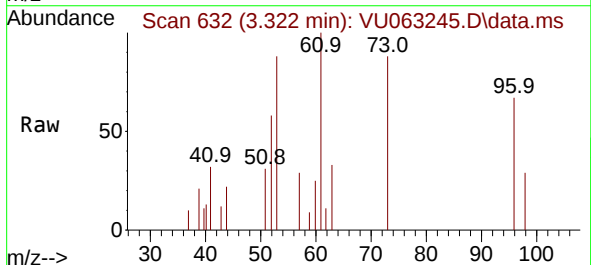
Manual Integrations  
 APPROVED

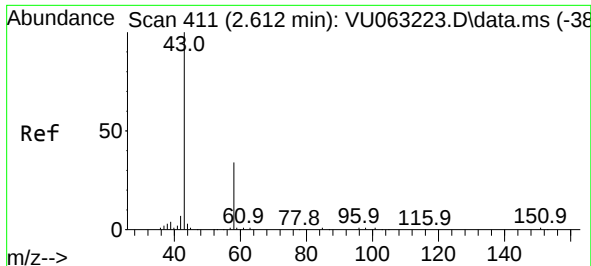
Reviewed By :Amit Patel 02/12/2025  
 Supervised By :Mahesh Dadoda 02/12/2025



#12  
 Acrylonitrile  
 Concen: 0.973 ug/l  
 RT: 3.322 min Scan# 632  
 Delta R.T. 0.022 min  
 Lab File: VU063245.D  
 Acq: 11 Feb 2025 19:04

Tgt Ion: 53 Resp: 2819  
 Ion Ratio Lower Upper  
 53 100  
 52 63.2 64.2 96.2#  
 51 18.0 30.8 46.2#





#13

Acetone

Concen: 2.843 ug/l

RT: 2.618 min Scan# 411

Delta R.T. 0.006 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT1-2025

Tgt Ion: 43 Resp: 6335

Ion Ratio Lower Upper

43 100

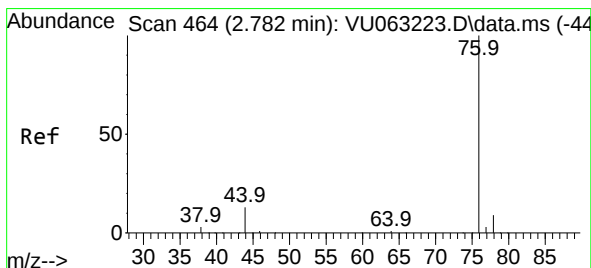
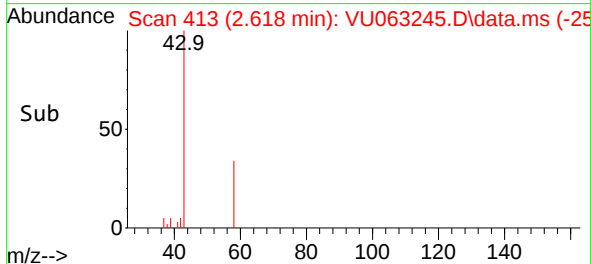
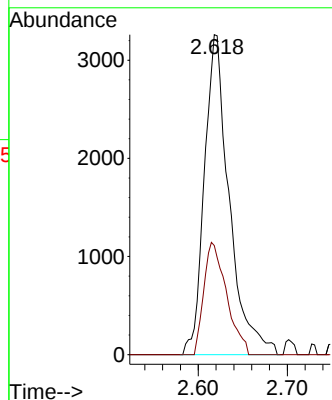
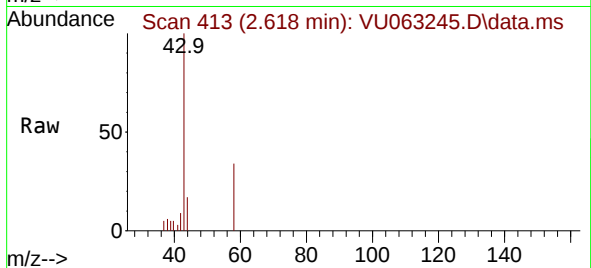
58 34.1 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#14

Carbon Disulfide

Concen: 0.560 ug/l

RT: 2.782 min Scan# 464

Delta R.T. -0.000 min

Lab File: VU063245.D

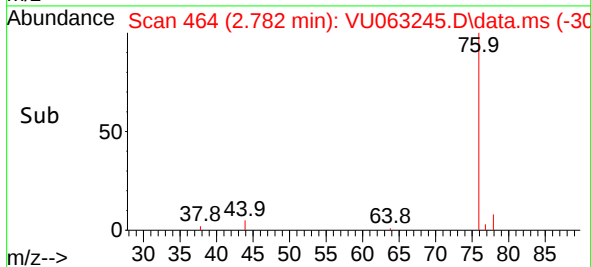
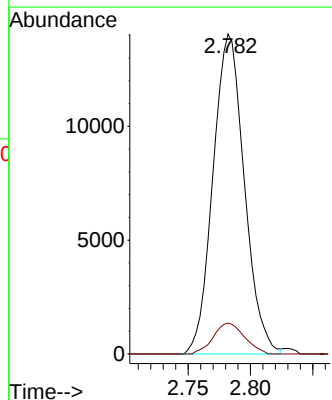
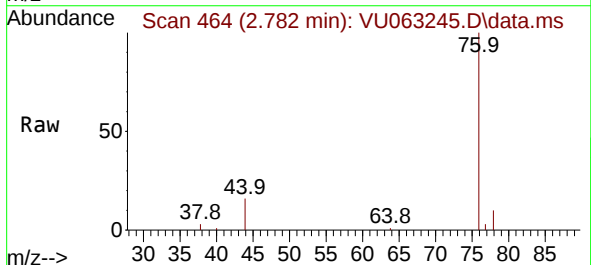
Acq: 11 Feb 2025 19:04

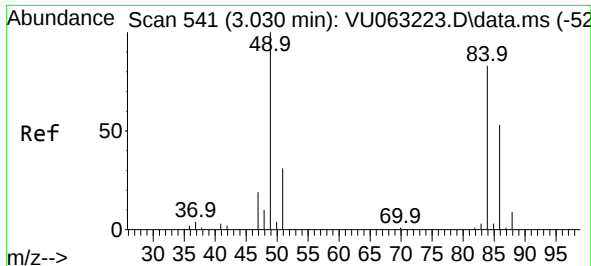
Tgt Ion: 76 Resp: 24608

Ion Ratio Lower Upper

76 100

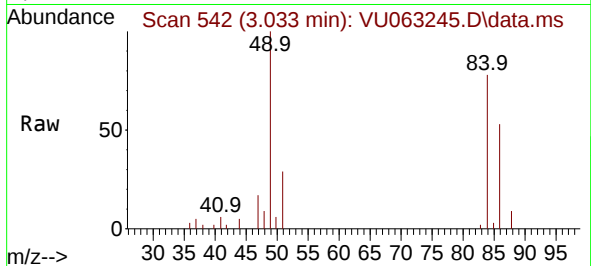
78 9.7 7.2 10.8





#15  
Methylene Chloride  
Concen: 0.576 ug/l  
RT: 3.033 min Scan# 541  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

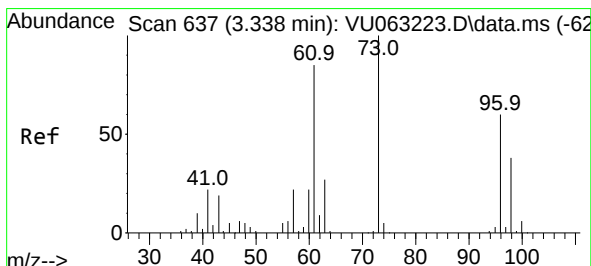
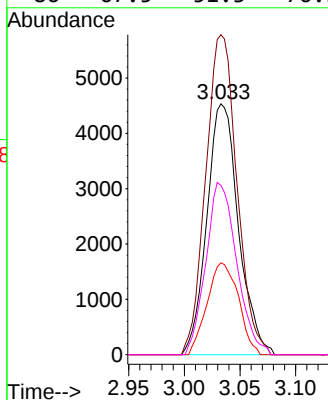
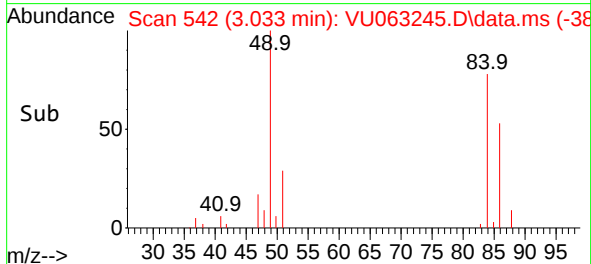
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



|             |                  |
|-------------|------------------|
| Tgt Ion: 84 | Resp: 894        |
| Ion Ratio   | Lower Upper      |
| 84          | 100              |
| 49          | 127.6 96.4 144.6 |
| 51          | 36.6 0.0 74.8    |
| 86          | 67.5 51.3 76.9   |

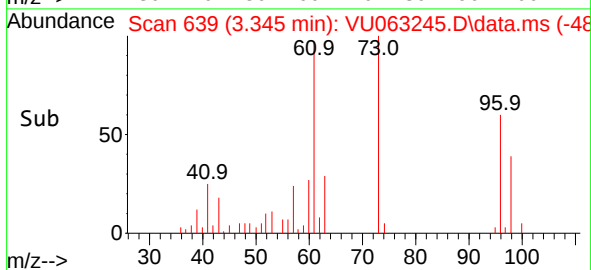
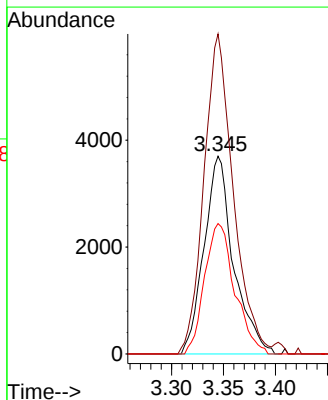
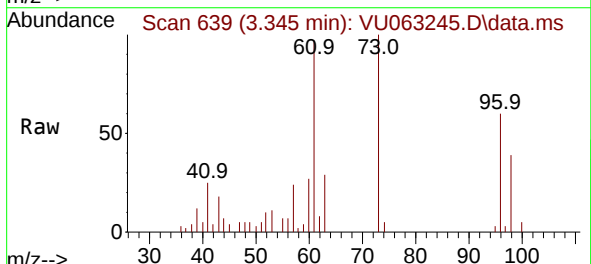
Manual Integrations  
APPROVED

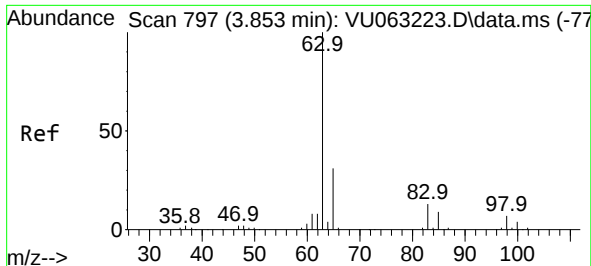
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#16  
trans-1,2-Dichloroethene  
Concen: 0.509 ug/l  
RT: 3.345 min Scan# 639  
Delta R.T. 0.006 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

|             |                   |
|-------------|-------------------|
| Tgt Ion: 96 | Resp: 7295        |
| Ion Ratio   | Lower Upper       |
| 96          | 100               |
| 61          | 161.8 113.4 170.2 |
| 98          | 66.0 51.2 76.8    |





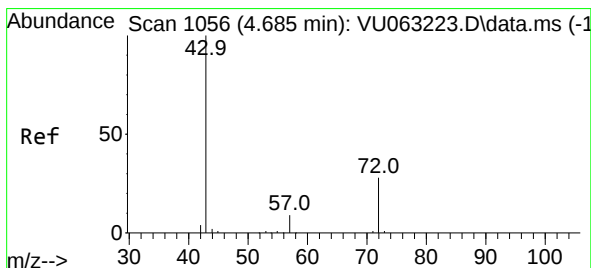
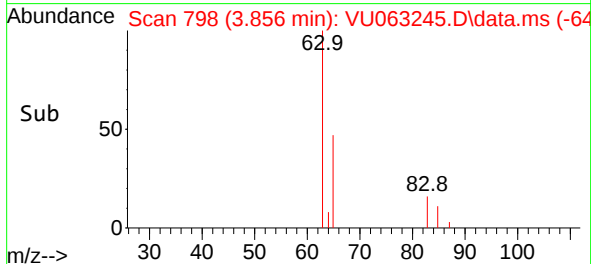
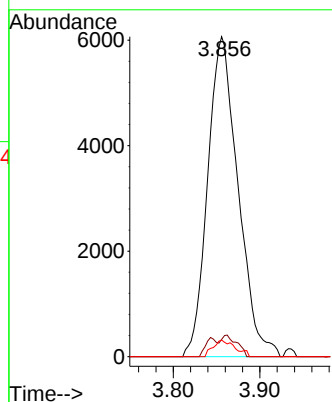
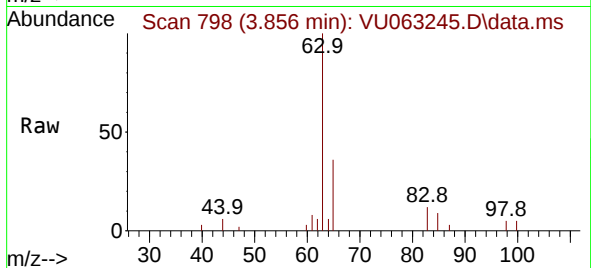
#17  
1,1-Dichloroethane  
Concen: 0.548 ug/l  
RT: 3.856 min Scan# 797  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

Tgt Ion: 63 Resp: 14799  
Ion Ratio Lower Upper  
63 100  
98 5.4 3.3 9.9  
100 5.2 2.1 6.2

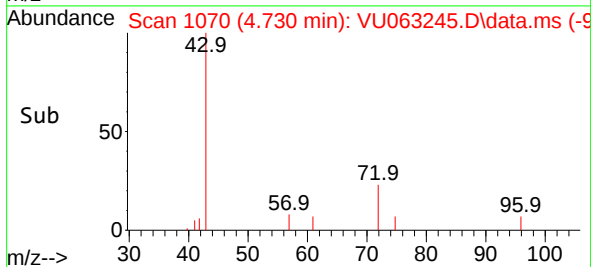
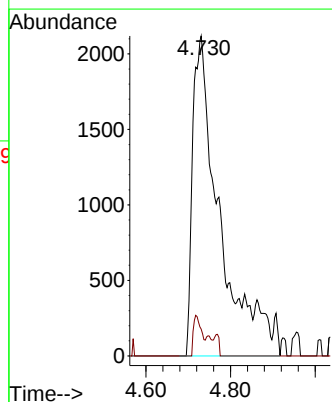
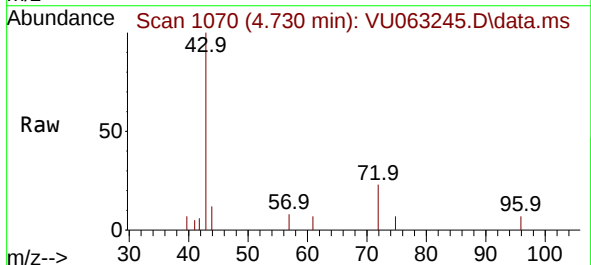
Manual Integrations  
APPROVED

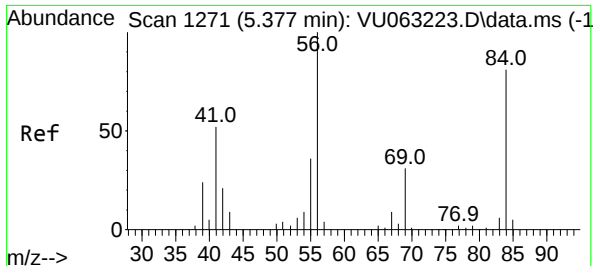
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#18  
2-Butanone  
Concen: 2.671 ug/l m  
RT: 4.730 min Scan# 1070  
Delta R.T. 0.045 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Tgt Ion: 43 Resp: 9471  
Ion Ratio Lower Upper  
43 100  
57 8.4 0.0 17.0





#19

Cyclohexane

Concen: 0.503 ug/l m

RT: 5.374 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT1-2025

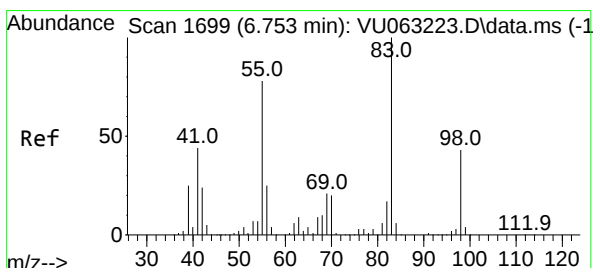
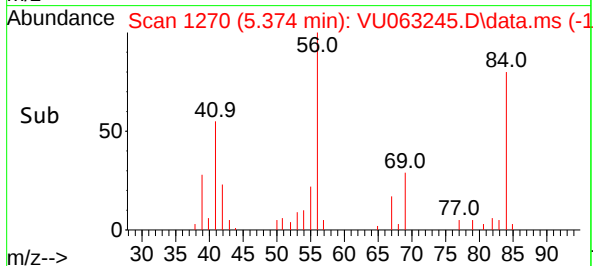
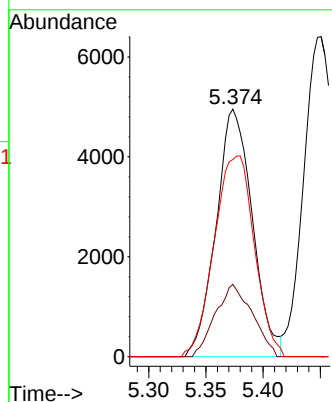
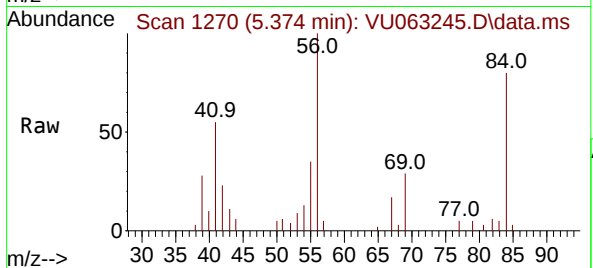
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 56    | Resp: | 1091 |
| Ion Ratio | Lower | Upper |      |
| 56        | 100   |       |      |
| 69        | 29.9  | 24.5  | 36.7 |
| 84        | 89.7  | 65.2  | 97.8 |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#20

Methylcyclohexane

Concen: 0.486 ug/l

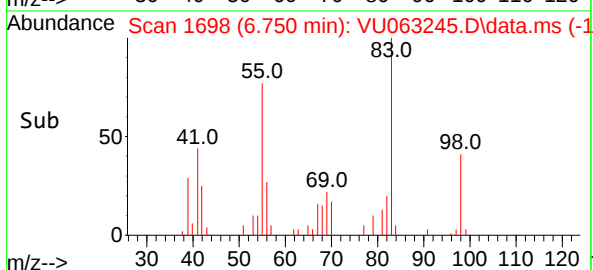
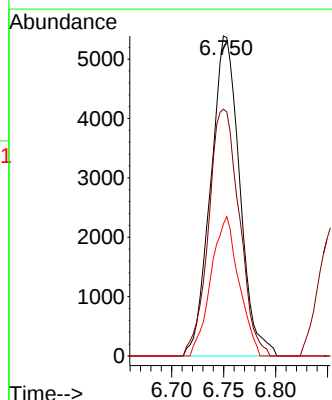
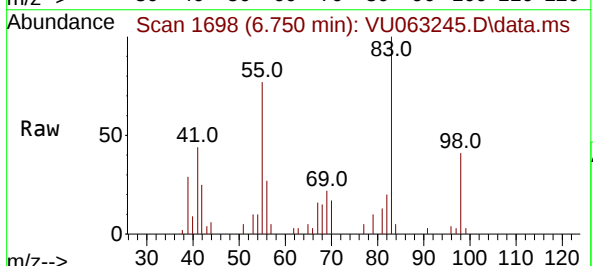
RT: 6.750 min Scan# 1698

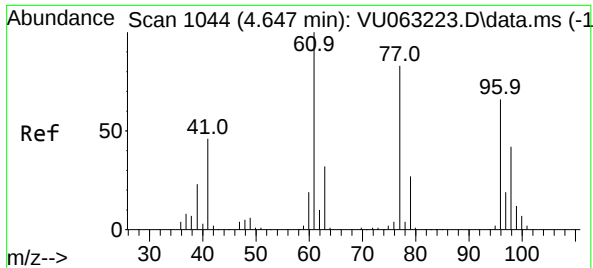
Delta R.T. -0.003 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 10467 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 81.6  | 63.1  | 94.7  |
| 98        | 41.9  | 35.2  | 52.8  |





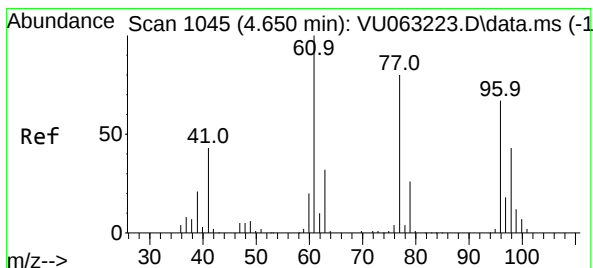
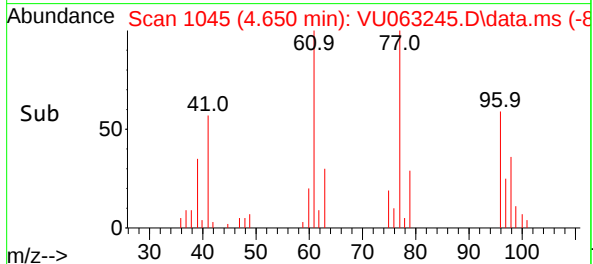
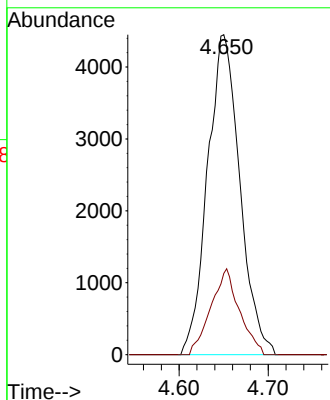
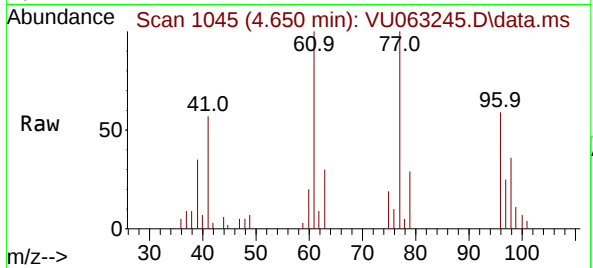
#21  
2,2-Dichloropropane  
Concen: 0.531 ug/l  
RT: 4.650 min Scan# 1045  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT1-2025

Tgt Ion: 77 Resp: 11200  
Ion Ratio Lower Upper  
77 100  
97 23.7 18.5 27.7

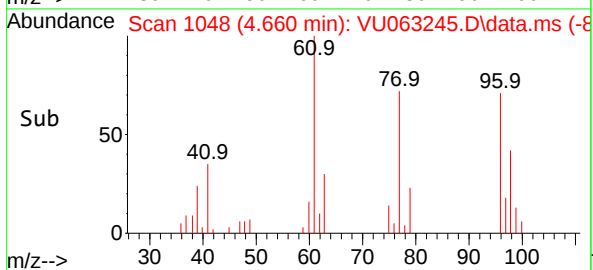
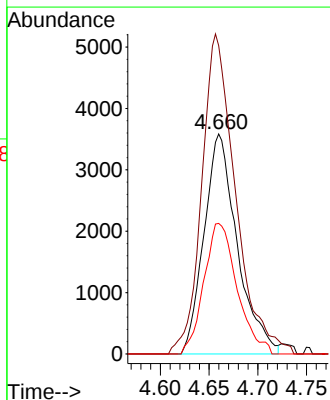
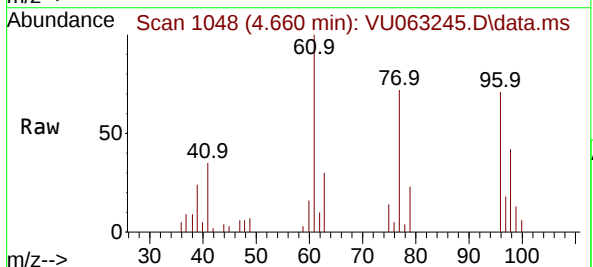
Manual Integrations  
APPROVED

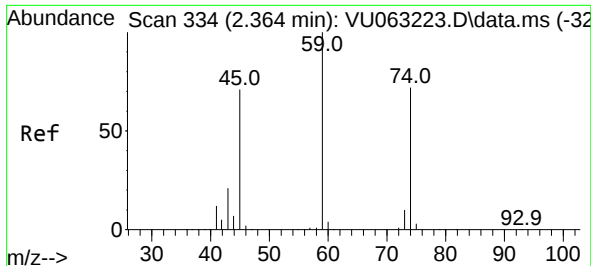
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#22  
cis-1,2-Dichloroethene  
Concen: 0.549 ug/l  
RT: 4.660 min Scan# 1048  
Delta R.T. 0.010 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

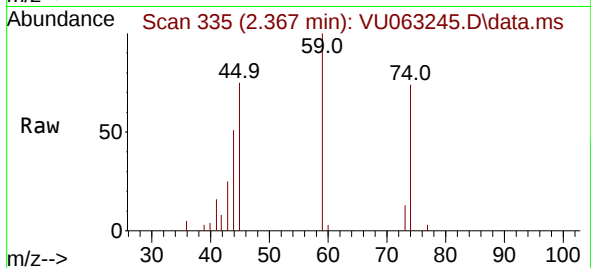
Tgt Ion: 96 Resp: 8504  
Ion Ratio Lower Upper  
96 100  
61 147.5 0.0 373.3  
98 59.2 31.9 95.9





#23  
Diethyl Ether  
Concen: 0.517 ug/l  
RT: 2.367 min Scan# 311  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

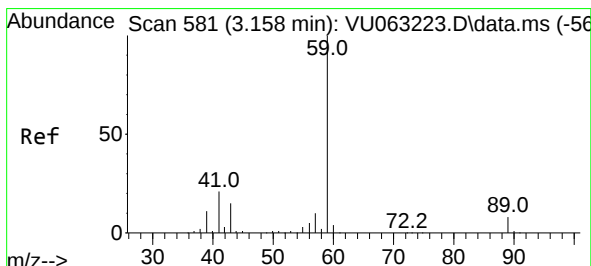
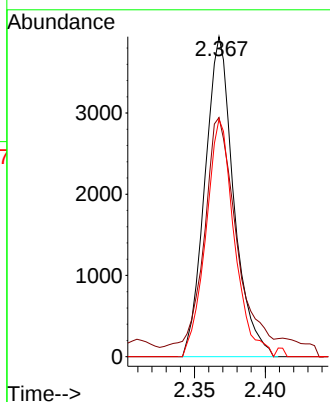
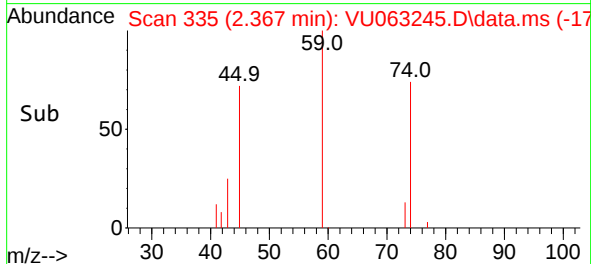
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



Tgt Ion: 59 Resp: 5574  
Ion Ratio Lower Upper  
59 100  
45 92.7 57.8 86.6  
74 73.2 57.7 86.5

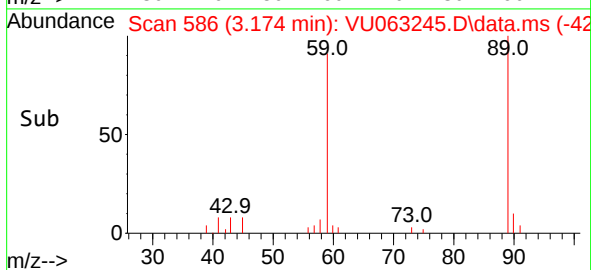
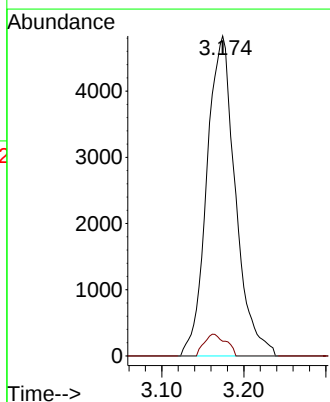
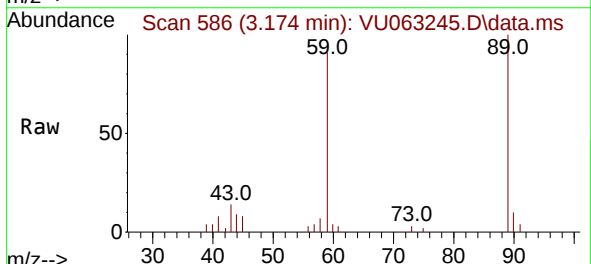
Manual Integrations  
APPROVED

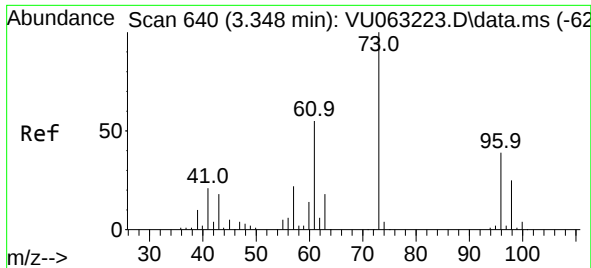
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#24  
tert-Butyl Alcohol  
Concen: 8.932 ug/l  
RT: 3.174 min Scan# 586  
Delta R.T. 0.016 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

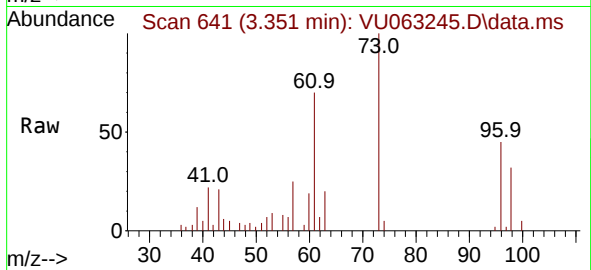
Tgt Ion: 59 Resp: 11712  
Ion Ratio Lower Upper  
59 100  
57 5.2 7.5 11.3





#25  
Methyl tert-Butyl Ether  
Concen: 0.528 ug/l  
RT: 3.351 min Scan# 641  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

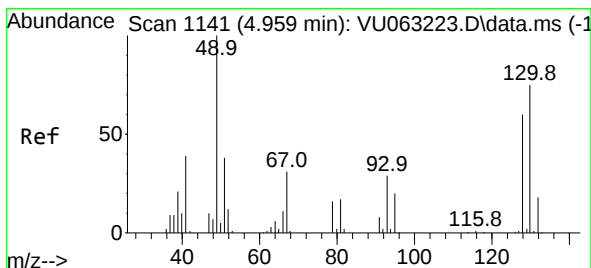
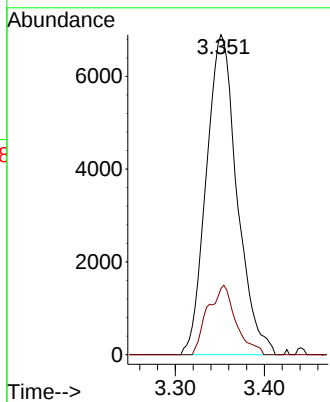
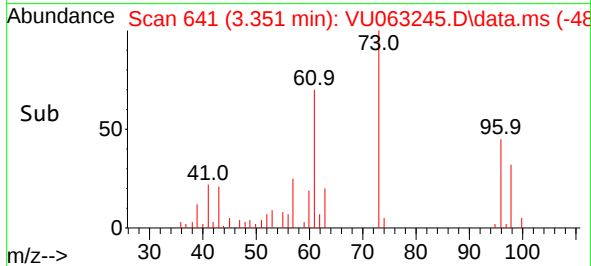
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



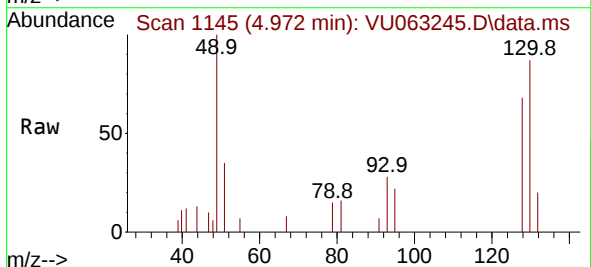
Tgt Ion: 73 Resp: 1656  
Ion Ratio Lower Upper  
73 100  
43 19.8 14.9 22.3

Manual Integrations  
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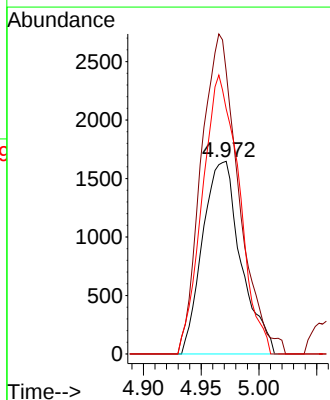
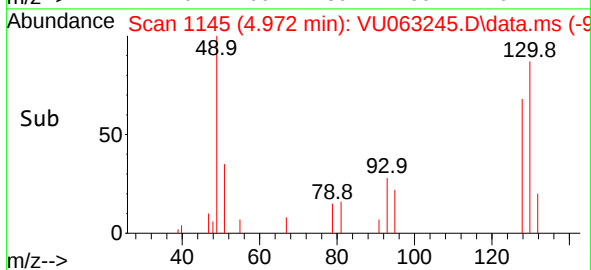
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025

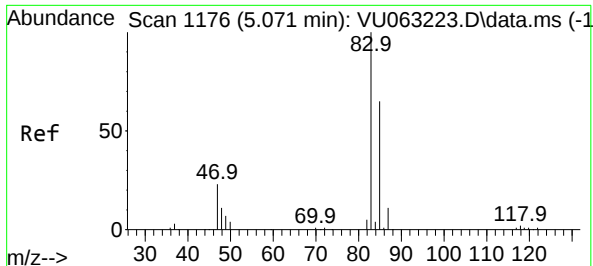


#26  
Bromochloromethane  
Concen: 0.559 ug/l  
RT: 4.972 min Scan# 1145  
Delta R.T. 0.013 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04



Tgt Ion:128 Resp: 3788  
Ion Ratio Lower Upper  
128 100  
49 163.1 0.0 343.4  
130 139.9 102.9 154.3





#27

Chloroform

Concen: 0.574 ug/l

RT: 5.078 min Scan# 1176

Delta R.T. 0.006 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

Instrument :

MSVOA\_U

ClientSampleId :

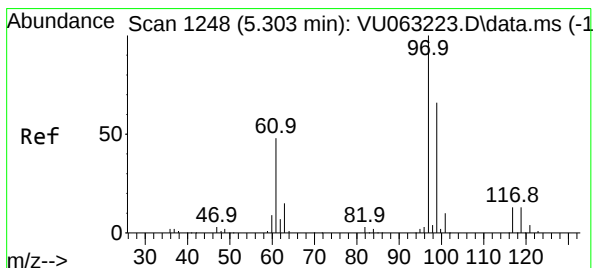
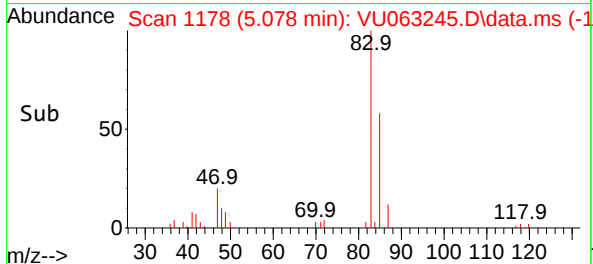
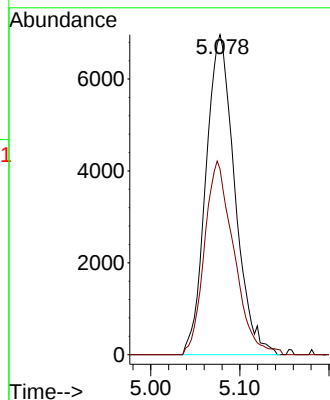
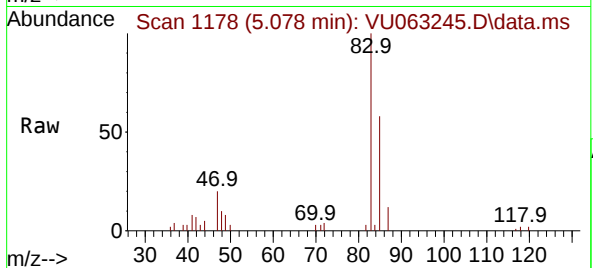
LOQ-WATER-02-QT1-2025

Tgt Ion: 83 Resp: 15658  
 Ion Ratio Lower Upper  
 83 100  
 85 58.0 0.0 129.8

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#28

1,1,1-Trichloroethane

Concen: 0.541 ug/l

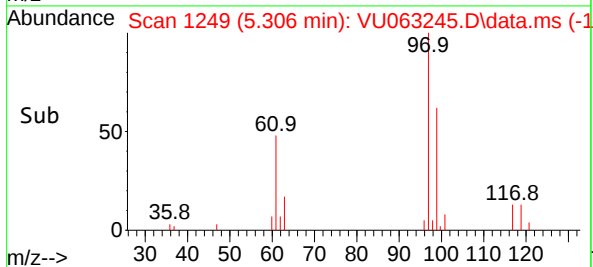
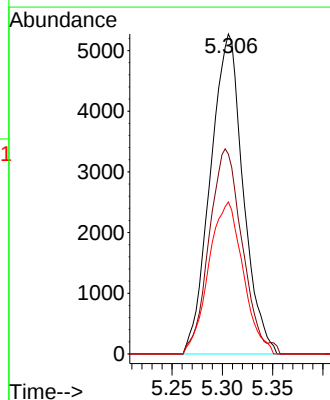
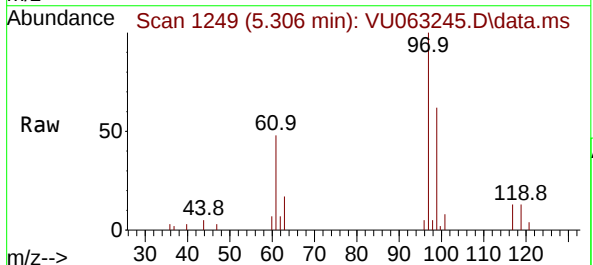
RT: 5.306 min Scan# 1249

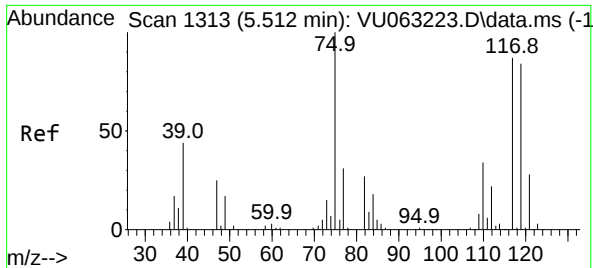
Delta R.T. 0.003 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

Tgt Ion: 97 Resp: 11945  
 Ion Ratio Lower Upper  
 97 100  
 99 64.9 32.4 97.0  
 61 49.8 23.8 71.2





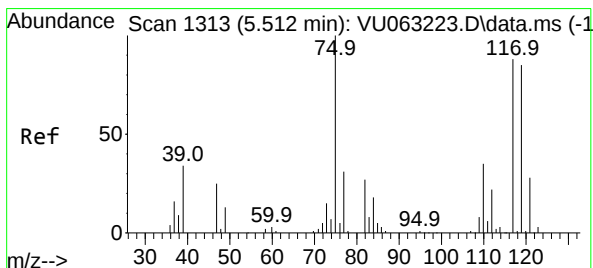
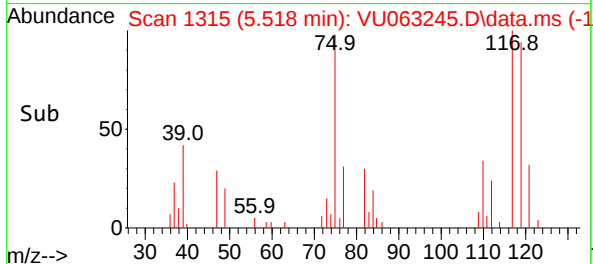
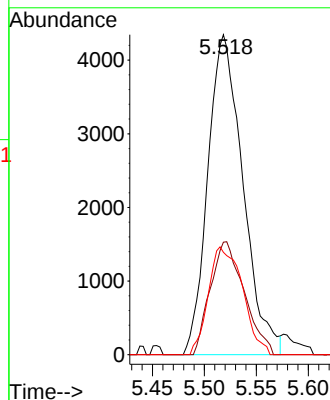
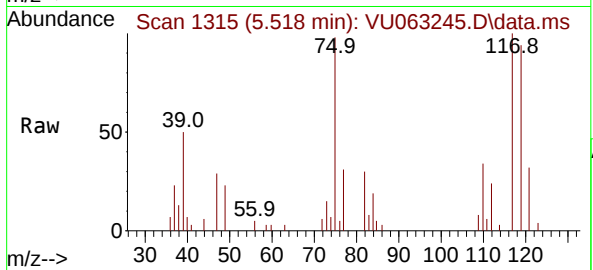
#29  
1,1-Dichloropropene  
Concen: 0.515 ug/l  
RT: 5.518 min Scan# 1194  
Delta R.T. 0.006 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

Tgt Ion: 75 Resp: 10194  
Ion Ratio Lower Upper  
75 100  
110 34.1 17.2 51.5  
77 32.8 24.6 37.0

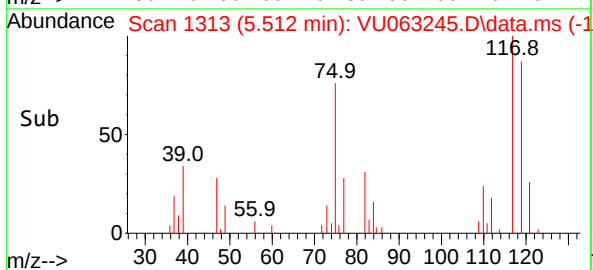
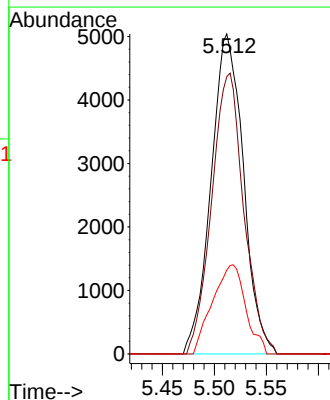
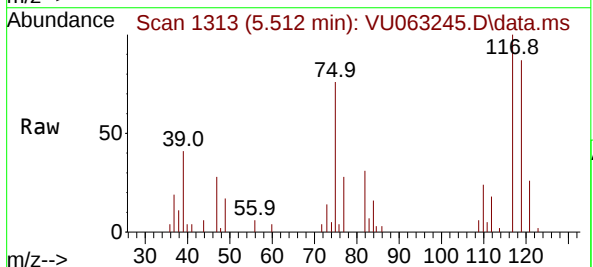
Manual Integrations  
APPROVED

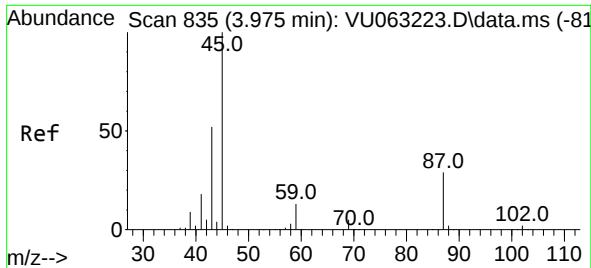
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#30  
Carbon Tetrachloride  
Concen: 0.576 ug/l  
RT: 5.512 min Scan# 1313  
Delta R.T. 0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

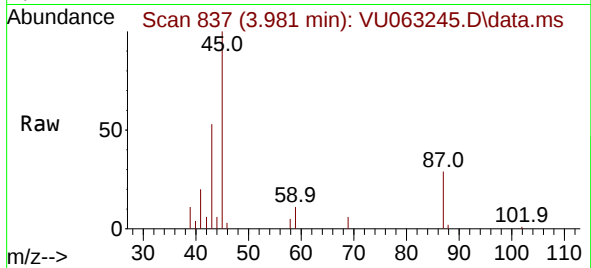
Tgt Ion:117 Resp: 10904  
Ion Ratio Lower Upper  
117 100  
119 86.7 76.7 115.1  
121 26.2 25.5 38.3





#31  
Isopropyl Ether  
Concen: 0.517 ug/l  
RT: 3.981 min Scan# 837  
Delta R.T. 0.006 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

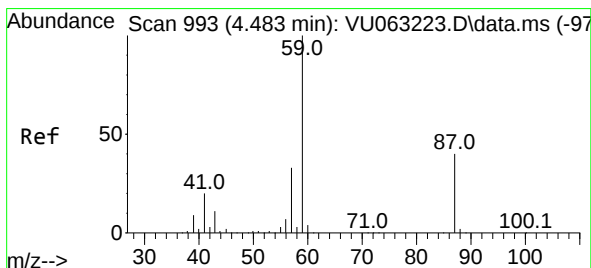
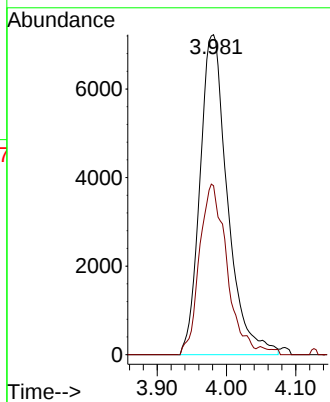
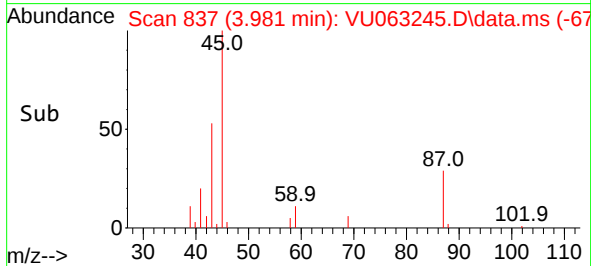
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



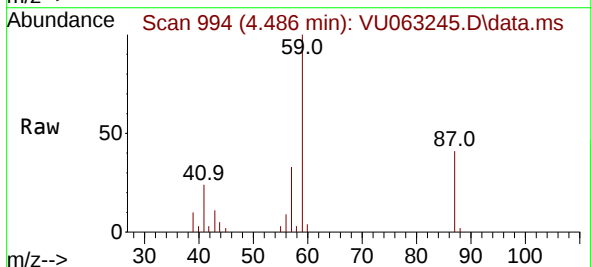
Tgt Ion: 45 Resp: 19939  
Ion Ratio Lower Upper  
45 100  
43 52.7 25.7 77.1

Manual Integrations  
APPROVED

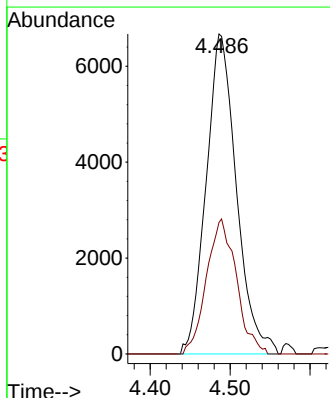
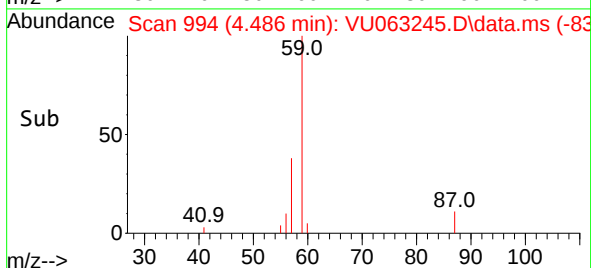
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025

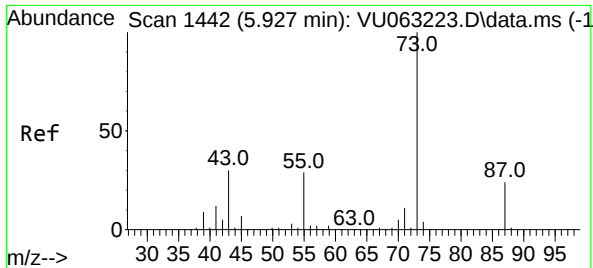


#32  
Ethyl-t-butyl ether  
Concen: 0.499 ug/l  
RT: 4.486 min Scan# 994  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04



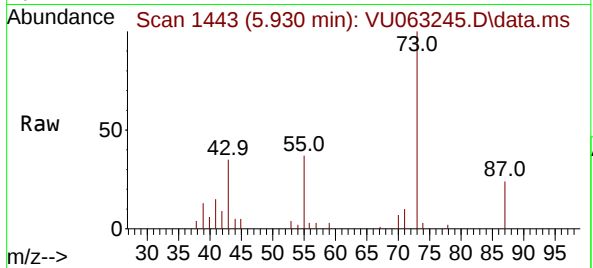
Tgt Ion: 59 Resp: 17524  
Ion Ratio Lower Upper  
59 100  
87 41.6 32.6 49.0





#33  
Tert-Amyl methyl ether  
Concen: 0.506 ug/l  
RT: 5.930 min Scan# 1442  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

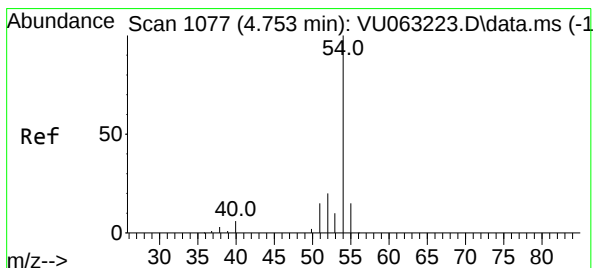
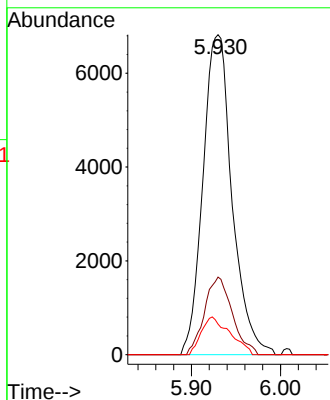
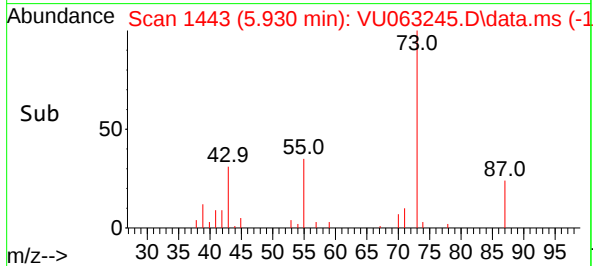
Instrument : MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



Tgt Ion: 73 Resp: 15508  
Ion Ratio Lower Upper  
73 100  
87 23.1 18.9 28.3  
71 11.6 9.0 13.4

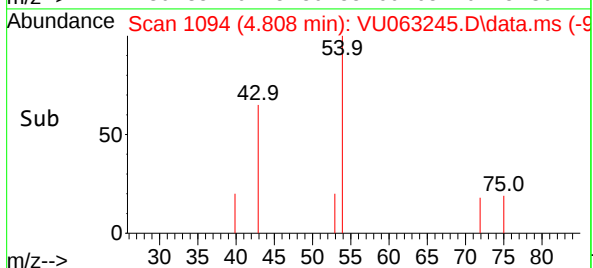
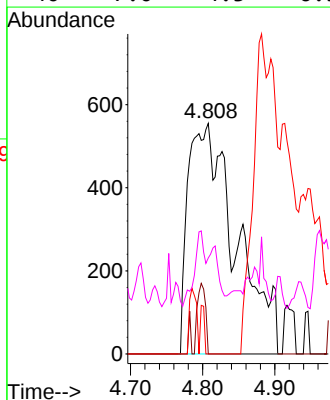
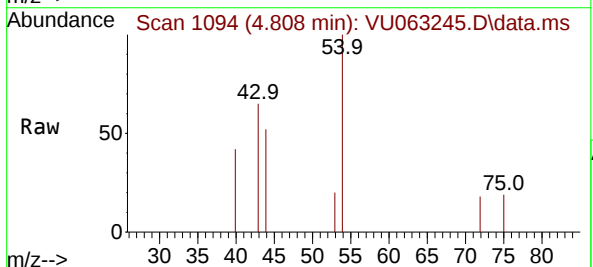
Manual Integrations  
APPROVED

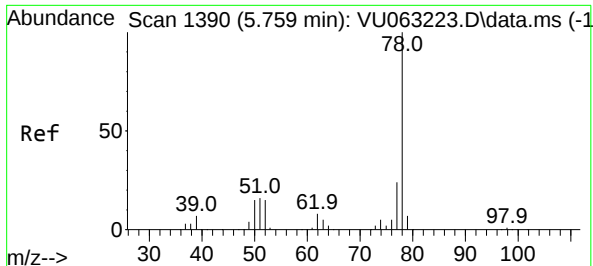
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#34  
Propionitrile  
Concen: 2.394 ug/l m  
RT: 4.808 min Scan# 1094  
Delta R.T. 0.055 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Tgt Ion: 54 Resp: 2560  
Ion Ratio Lower Upper  
54 100  
52 5.2 16.3 24.5#  
55 1.8 11.8 17.6#  
40 7.0 4.3 6.5#





#35

Benzene

Concen: 0.545 ug/l

RT: 5.766 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT1-2025

Tgt Ion: 78 Resp: 3314

Ion Ratio Lower Upper

78 100

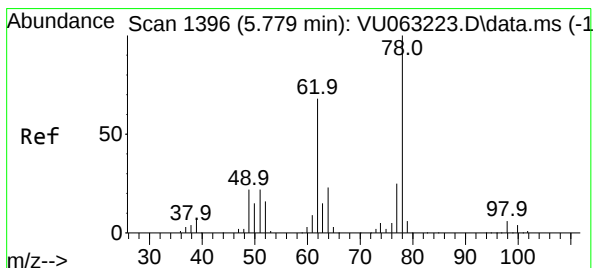
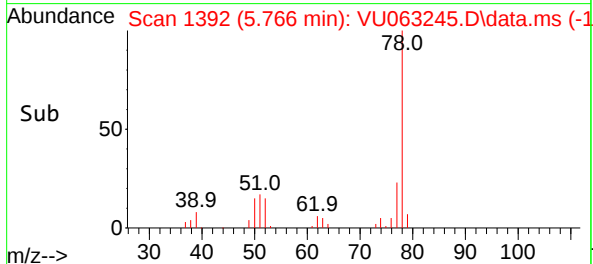
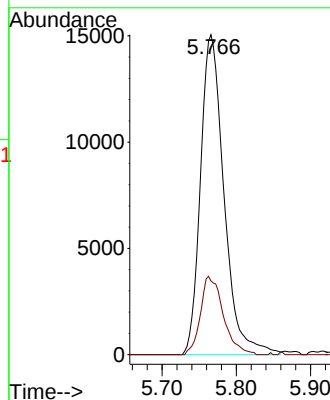
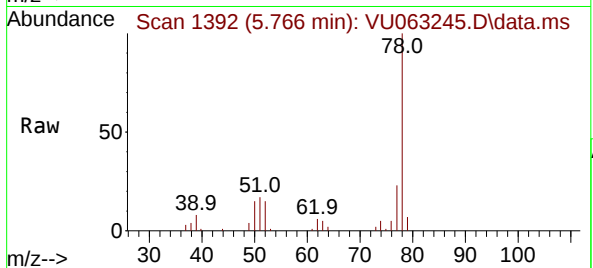
77 23.1 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#36

1,2-Dichloroethane

Concen: 0.522 ug/l

RT: 5.788 min Scan# 1399

Delta R.T. 0.010 min

Lab File: VU063245.D

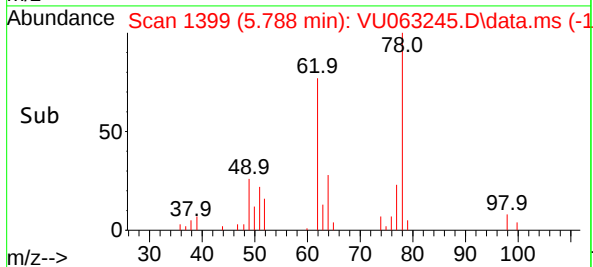
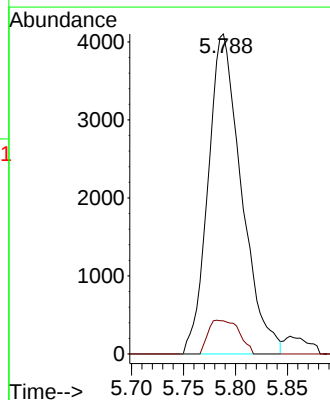
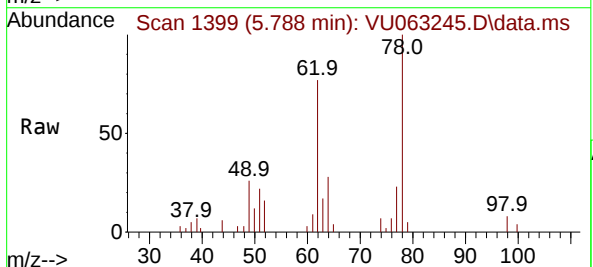
Acq: 11 Feb 2025 19:04

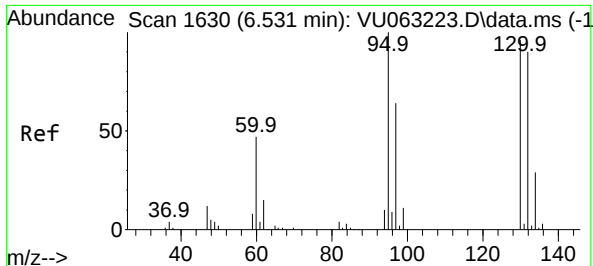
Tgt Ion: 62 Resp: 9160

Ion Ratio Lower Upper

62 100

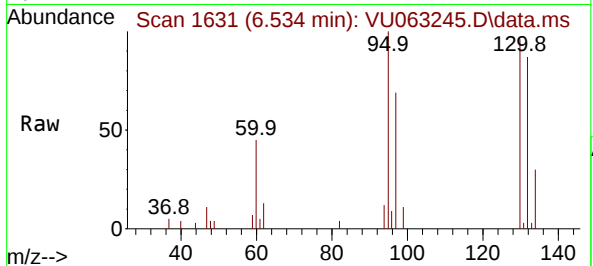
98 9.7 6.9 10.3





#37  
 Trichloroethene  
 Concen: 0.578 ug/l  
 RT: 6.534 min Scan# 1630  
 Delta R.T. 0.003 min  
 Lab File: VU063245.D  
 Acq: 11 Feb 2025 19:04

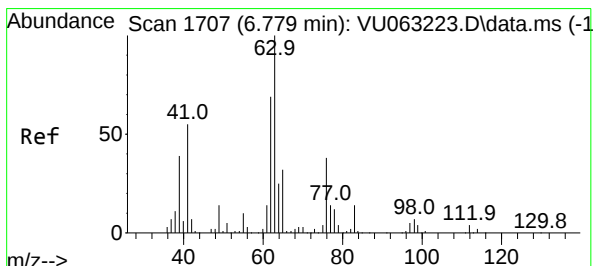
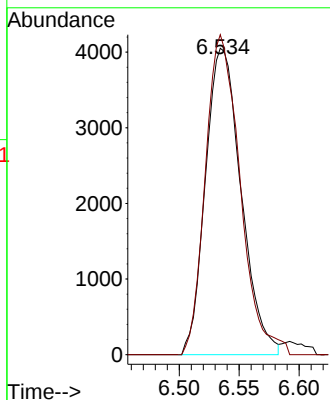
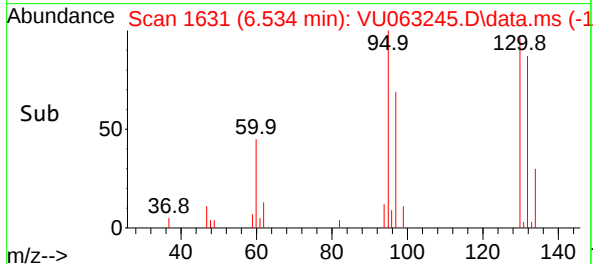
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2025



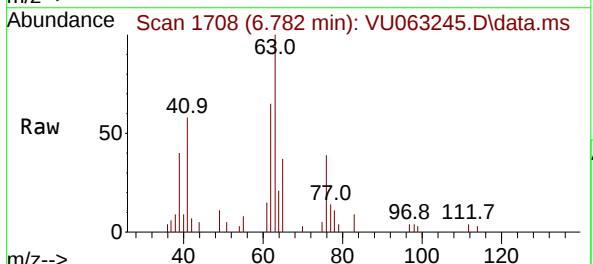
Tgt Ion:130 Resp: 836  
 Ion Ratio Lower Upper  
 130 100  
 95 104.4 83.2 124.8

Manual Integrations  
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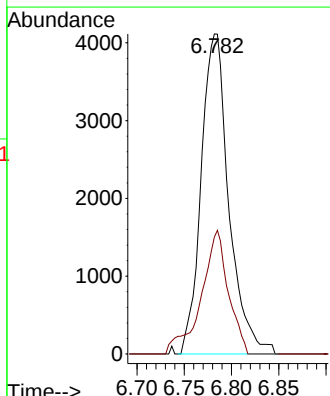
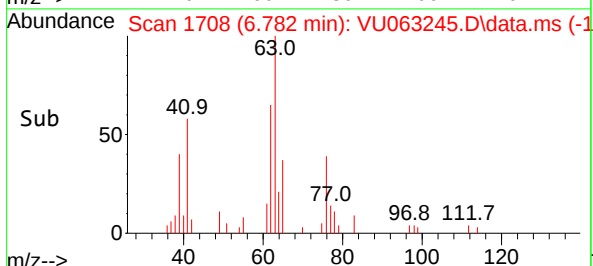
Reviewed By :Amit Patel 02/12/2025  
 Supervised By :Mahesh Dadoda 02/12/2025

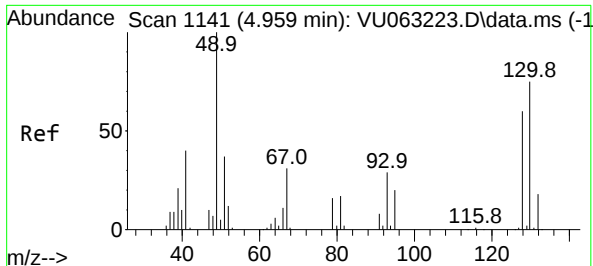


#38  
 1,2-Dichloropropane  
 Concen: 0.526 ug/l  
 RT: 6.782 min Scan# 1708  
 Delta R.T. 0.003 min  
 Lab File: VU063245.D  
 Acq: 11 Feb 2025 19:04



Tgt Ion: 63 Resp: 8371  
 Ion Ratio Lower Upper  
 63 100  
 65 36.5 25.3 37.9





#39

Methacrylonitrile

Concen: 0.492 ug/l m

RT: 4.984 min Scan# 1149

Delta R.T. 0.026 min

Lab File: VU063245.D

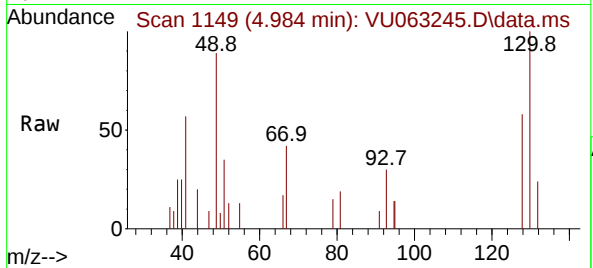
Acq: 11 Feb 2025 19:04

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT1-2025



Tgt Ion: 41 Resp: 1962

Ion Ratio Lower Upper

41 100

67 30.2 64.5 96.7

39 30.4 43.0 64.6

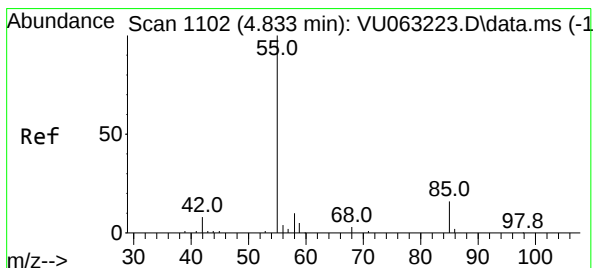
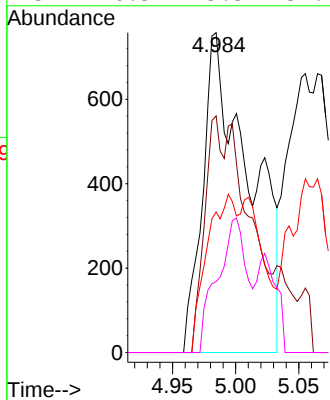
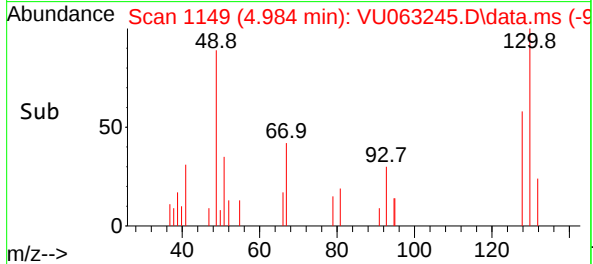
52 26.3 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#40

Methyl acrylate

Concen: 0.493 ug/l m

RT: 4.882 min Scan# 1117

Delta R.T. 0.048 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

Tgt Ion: 55 Resp: 3625

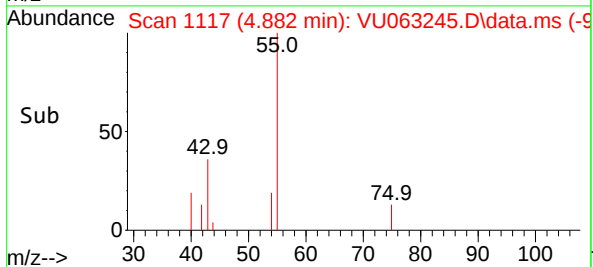
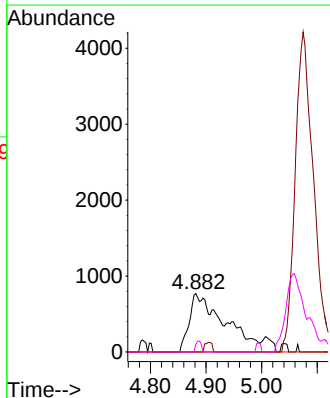
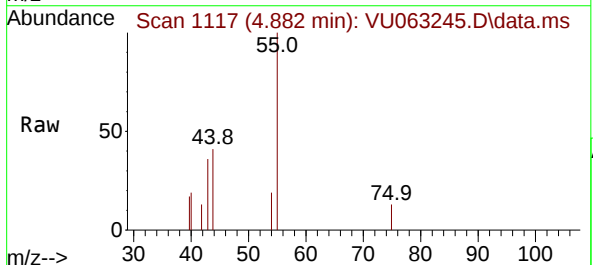
Ion Ratio Lower Upper

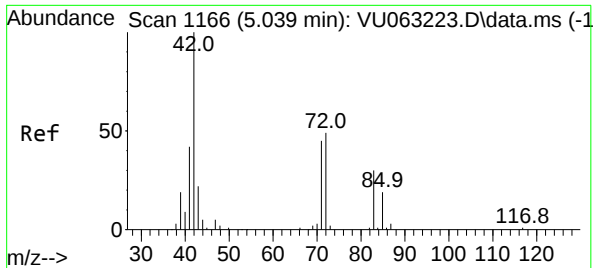
55 100

85 0.0 13.3 19.9#

58 0.0 7.3 10.9#

42 0.0 6.9 10.3#





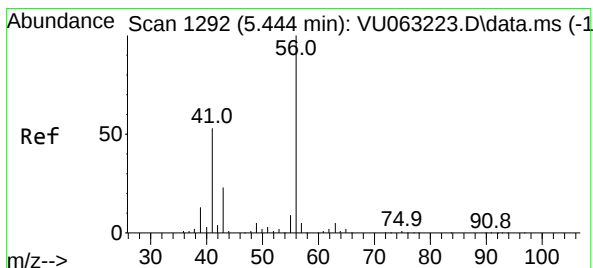
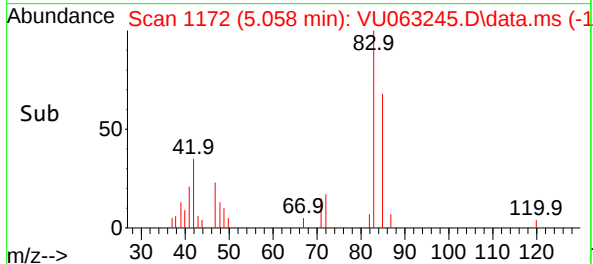
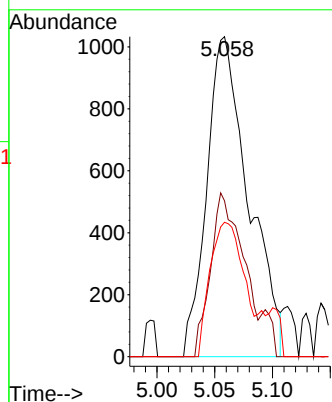
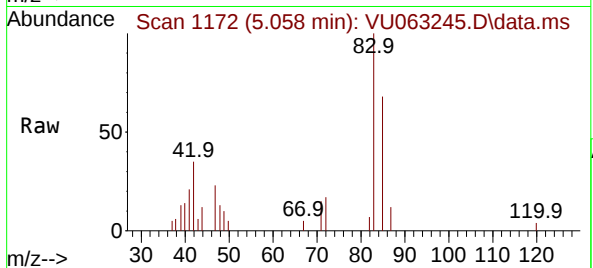
#41  
Tetrahydrofuran  
Concen: 1.123 ug/l  
RT: 5.058 min Scan# 1166  
Delta R.T. 0.019 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

Tgt Ion: 42 Resp: 260  
Ion Ratio Lower Upper  
42 100  
72 39.5 41.5 62.3  
71 34.5 37.2 55.8

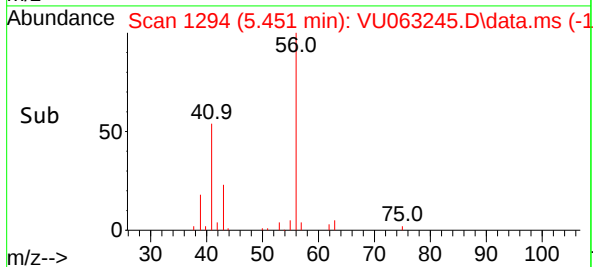
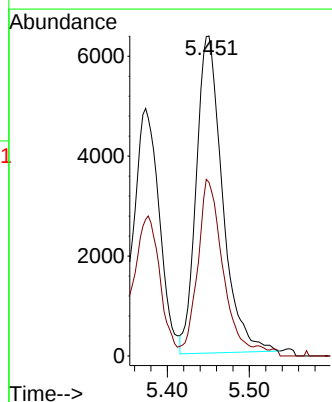
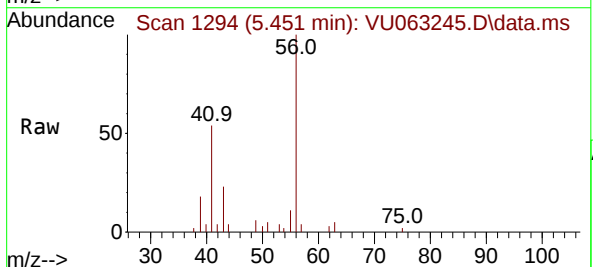
Manual Integrations  
APPROVED

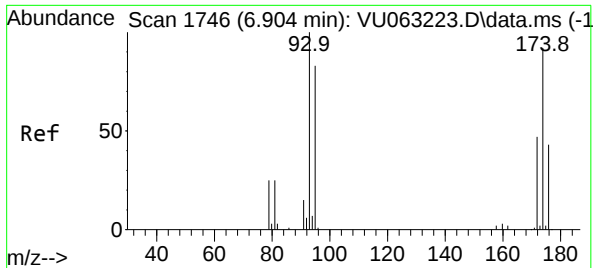
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#42  
1-Chlorobutane  
Concen: 0.520 ug/l  
RT: 5.451 min Scan# 1294  
Delta R.T. 0.006 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Tgt Ion: 56 Resp: 14071  
Ion Ratio Lower Upper  
56 100  
41 48.0 26.3 78.8





#43

Dibromomethane

Concen: 0.531 ug/l

RT: 6.914 min Scan# 1749

Delta R.T. 0.010 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT1-2025

Tgt Ion: 93 Resp: 4280

Ion Ratio Lower Upper

93 100

95 80.4 67.2 100.8

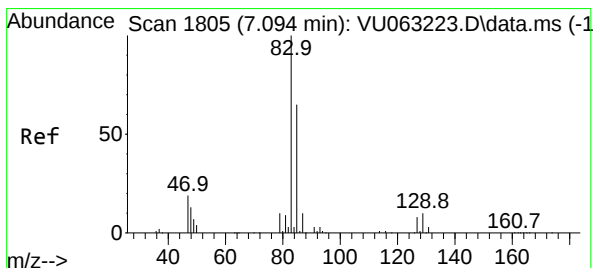
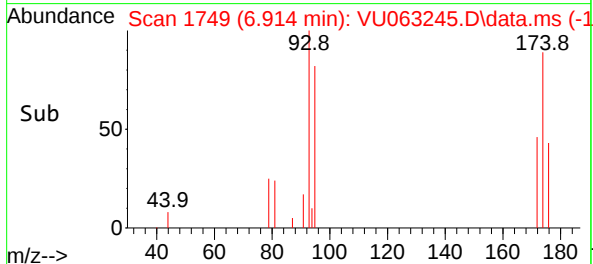
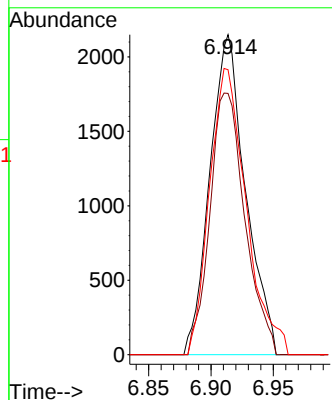
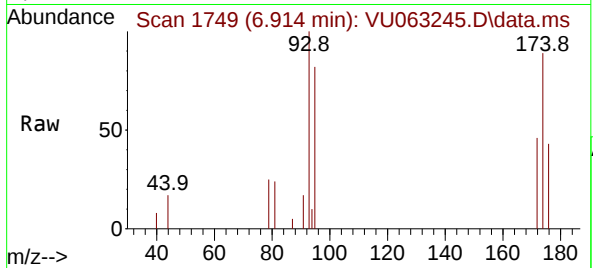
174 91.9 75.7 113.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#44

Bromodichloromethane

Concen: 0.578 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

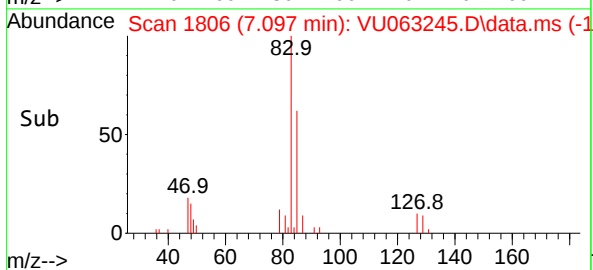
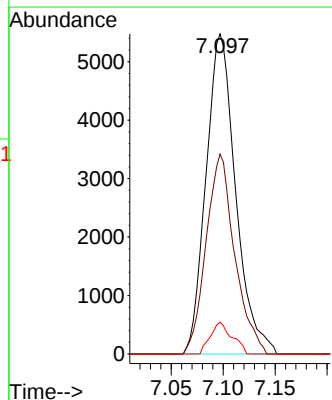
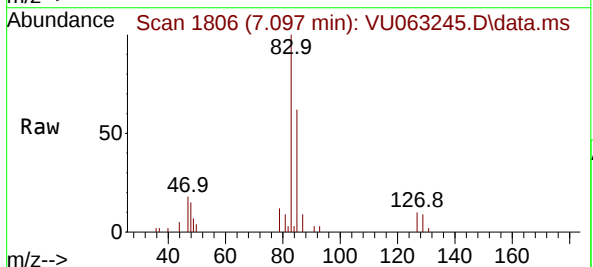
Tgt Ion: 83 Resp: 10849

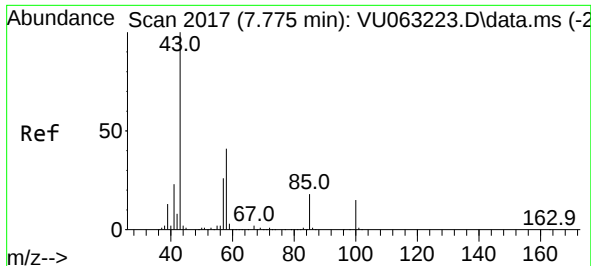
Ion Ratio Lower Upper

83 100

85 62.4 51.7 77.5

127 10.0 6.7 10.1





#45

4-Methyl-2-Pentanone

Concen: 2.401 ug/l

RT: 7.782 min Scan# 2017

Delta R.T. 0.006 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT1-2025

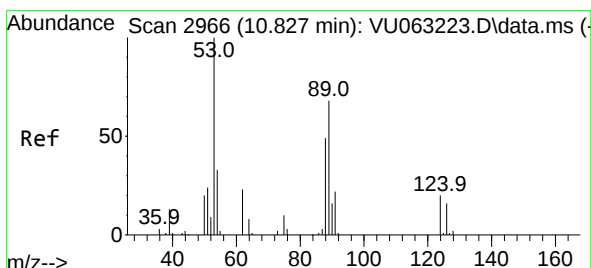
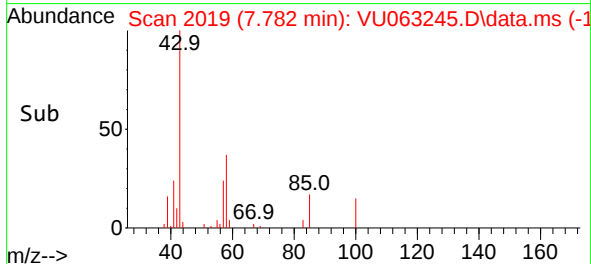
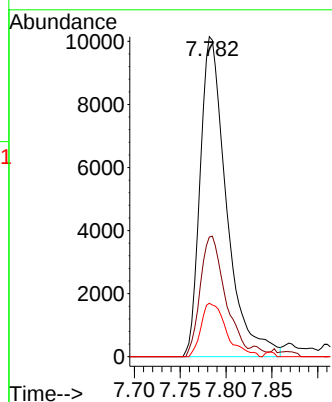
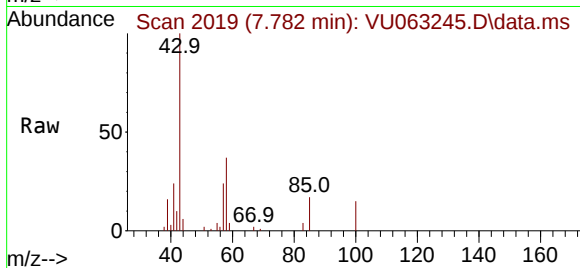
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2029  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 35.9     | 20.8 62.5   |
| 85 16.0     | 14.8 22.2   |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#46

t-1,4-Dichloro-2-butene

Concen: 1.125 ug/l m

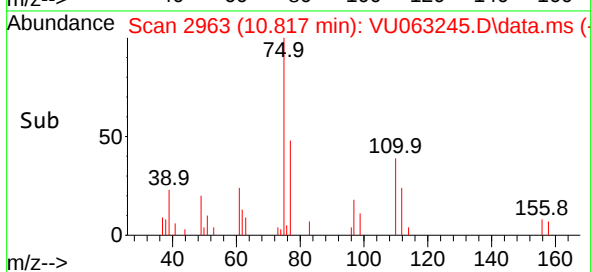
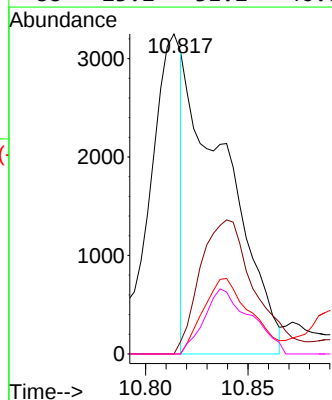
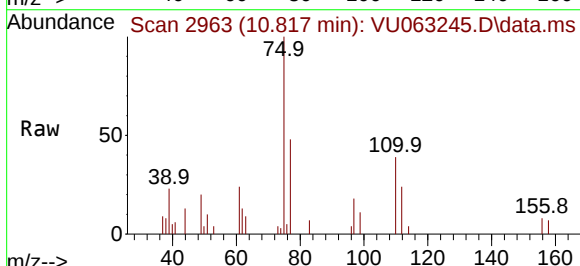
RT: 10.817 min Scan# 2963

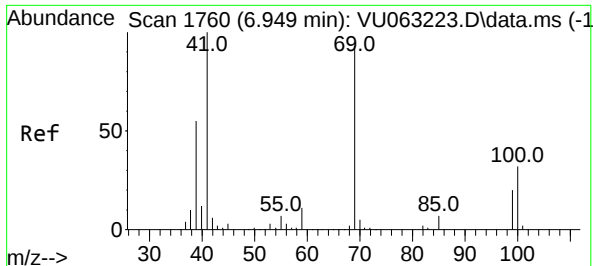
Delta R.T. -0.010 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 4469  |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 53 57.0     | 64.5 96.7#  |
| 89 27.6     | 43.4 65.2#  |
| 88 23.2     | 31.2 46.8#  |





#47

Methyl methacrylate

Concen: 0.891 ug/l m

RT: 6.962 min Scan# 1

Delta R.T. 0.013 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT1-2025

Tgt Ion: 69 Resp: 605

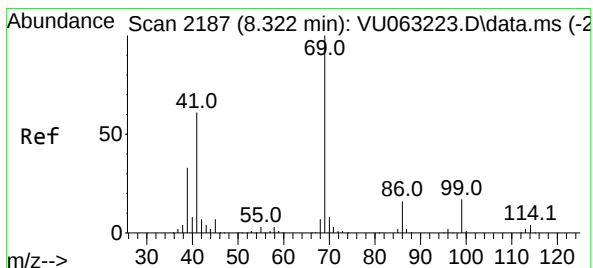
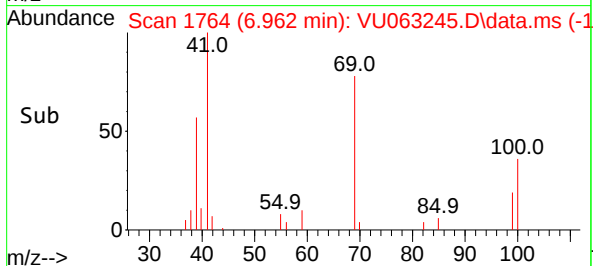
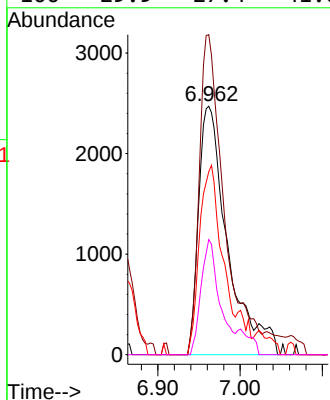
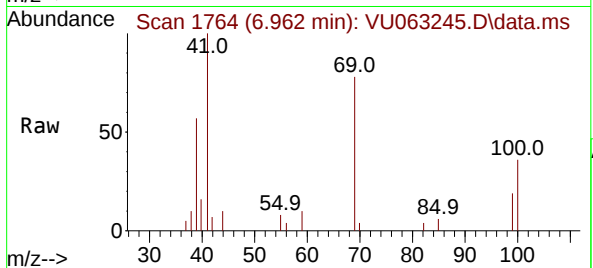
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 109.9 | 0.0   | 217.0 |
| 39  | 59.2  | 47.7  | 71.5  |
| 100 | 29.9  | 27.4  | 41.0  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#48

Ethyl methacrylate

Concen: 0.443 ug/l

RT: 8.335 min Scan# 2191

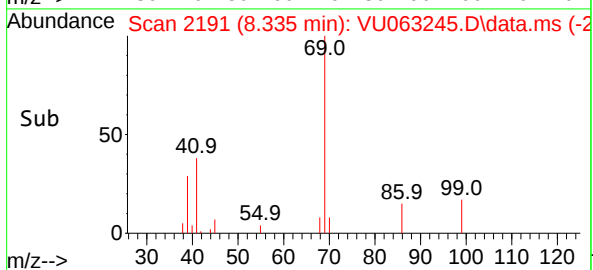
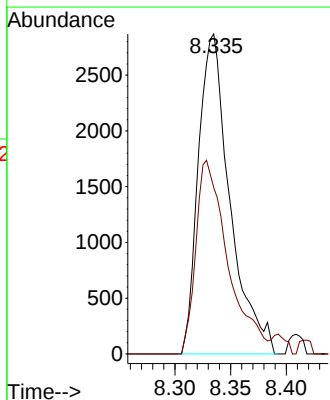
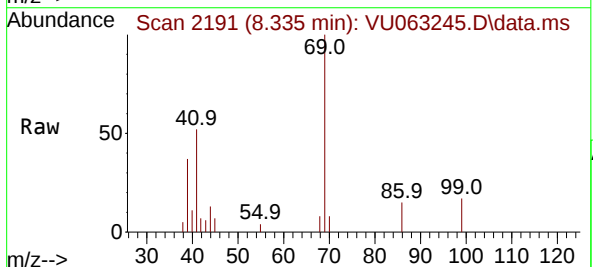
Delta R.T. 0.013 min

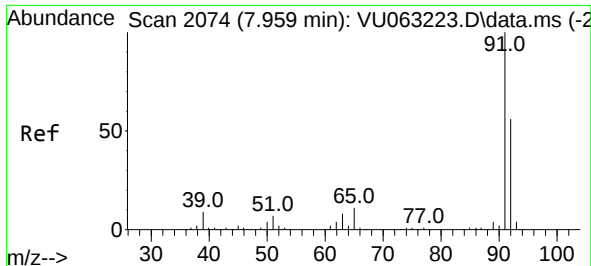
Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

Tgt Ion: 69 Resp: 5654

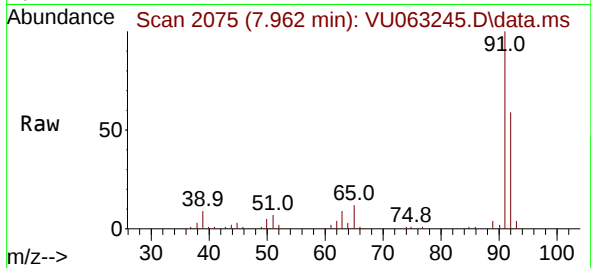
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 61.5  | 30.6  | 92.0  |





#49  
Toluene  
Concen: 0.488 ug/l  
RT: 7.962 min Scan# 2074  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

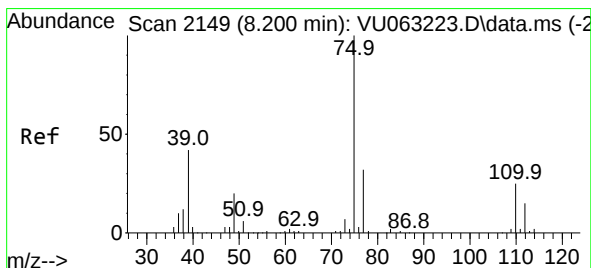
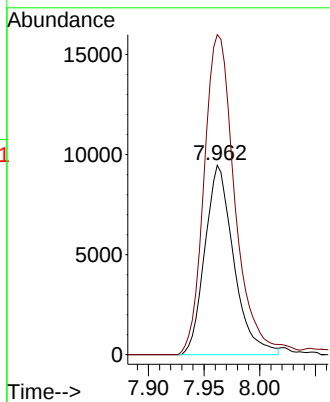
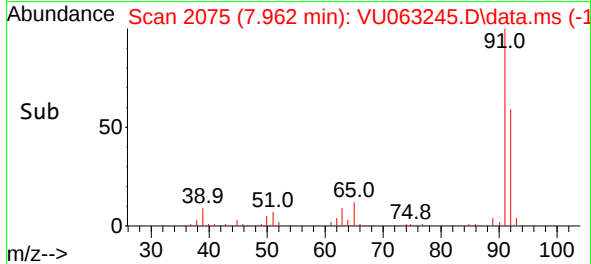
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



Tgt Ion: 92 Resp: 17070  
Ion Ratio Lower Upper  
92 100  
91 181.2 141.8 212.6

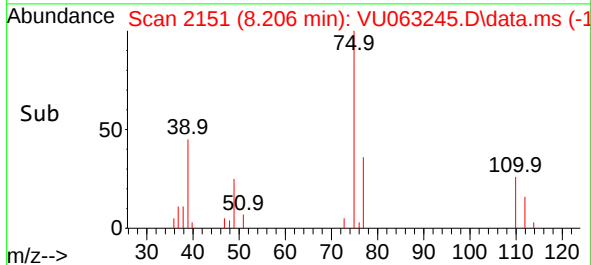
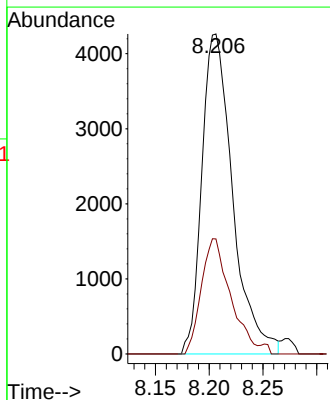
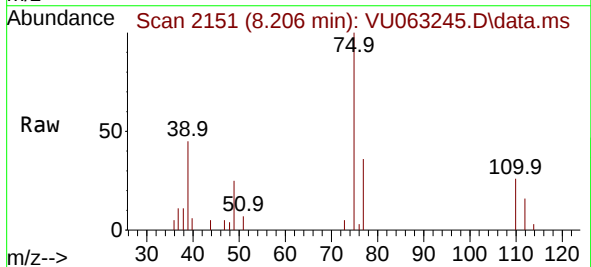
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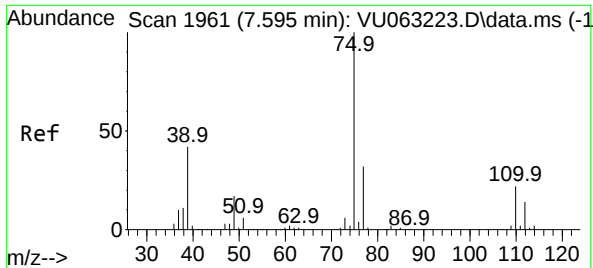
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#50  
t-1,3-Dichloropropene  
Concen: 0.495 ug/l  
RT: 8.206 min Scan# 2151  
Delta R.T. 0.006 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Tgt Ion: 75 Resp: 8498  
Ion Ratio Lower Upper  
75 100  
77 35.9 25.9 38.9





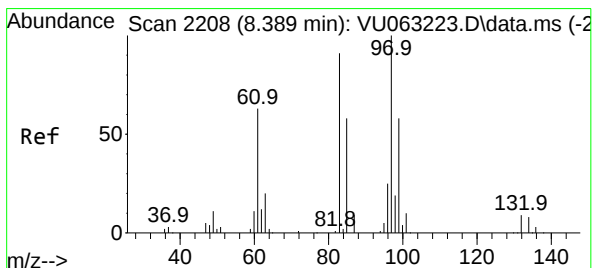
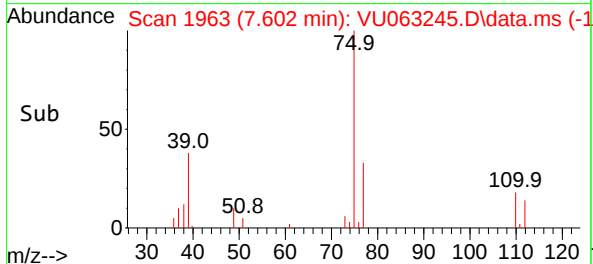
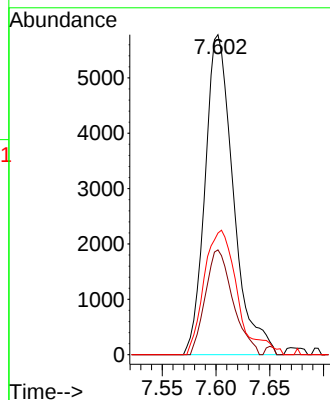
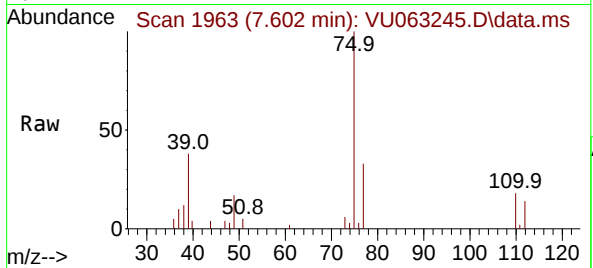
#51  
 cis-1,3-Dichloropropene  
 Concen: 0.497 ug/l  
 RT: 7.602 min Scan# 1961  
 Delta R.T. 0.006 min  
 Lab File: VU063245.D  
 Acq: 11 Feb 2025 19:04

Instrument : MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2025

Tgt Ion: 75 Resp: 1055  
 Ion Ratio Lower Upper  
 75 100  
 77 32.7 25.3 37.9  
 39 38.0 33.5 50.3

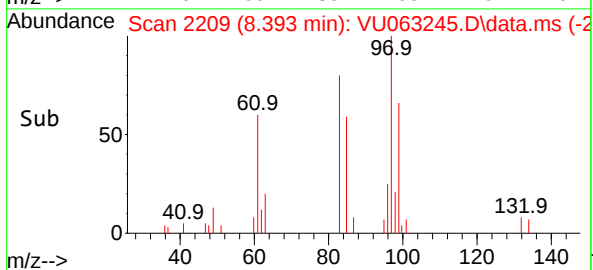
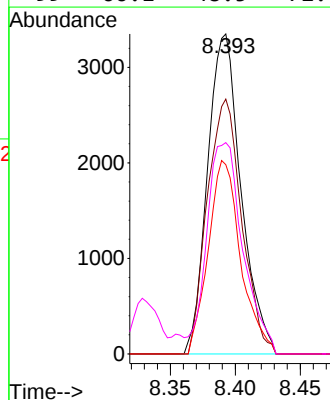
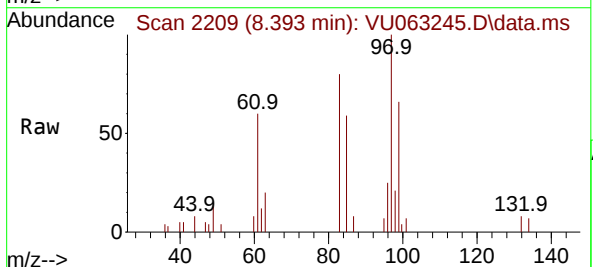
Manual Integrations  
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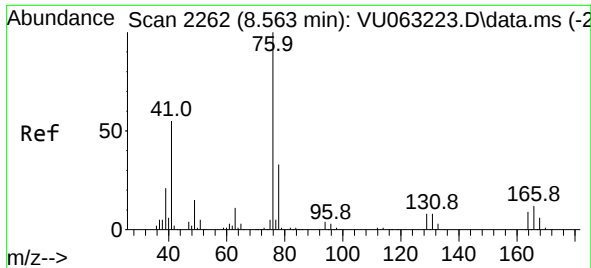
Reviewed By :Amit Patel 02/12/2025  
 Supervised By :Mahesh Dadoda 02/12/2025



#52  
 1,1,2-Trichloroethane  
 Concen: 0.552 ug/l  
 RT: 8.393 min Scan# 2209  
 Delta R.T. 0.003 min  
 Lab File: VU063245.D  
 Acq: 11 Feb 2025 19:04

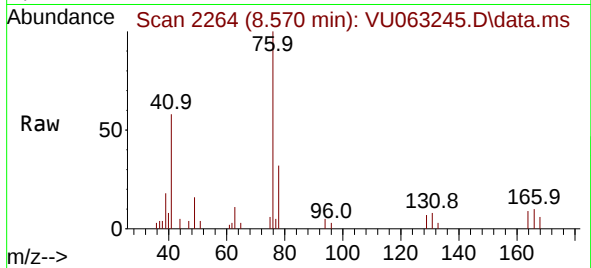
Tgt Ion: 97 Resp: 6004  
 Ion Ratio Lower Upper  
 97 100  
 83 79.7 73.0 109.4  
 85 59.1 46.3 69.5  
 99 66.1 48.5 72.7





#53  
1,3-Dichloropropane  
Concen: 0.537 ug/l  
RT: 8.570 min Scan# 2100  
Delta R.T. 0.006 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

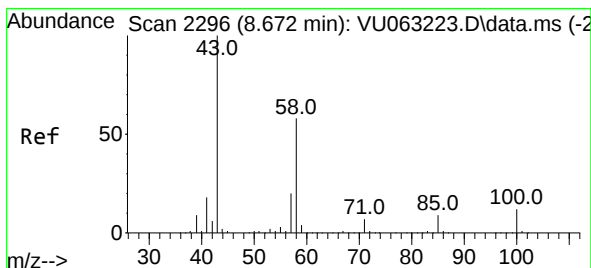
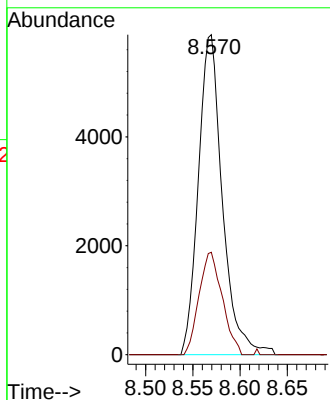
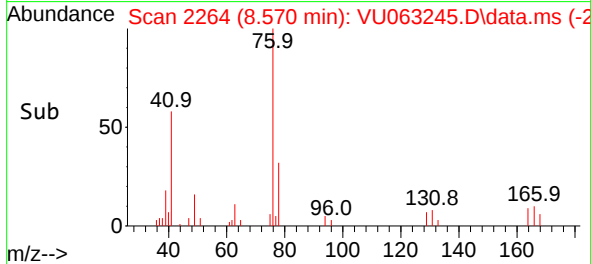
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



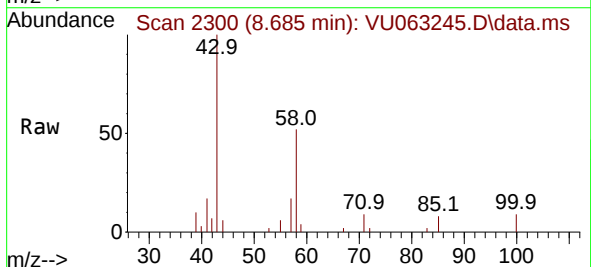
Tgt Ion: 76 Resp: 10372  
Ion Ratio Lower Upper  
76 100  
78 30.9 26.3 39.5

Manual Integrations  
APPROVED

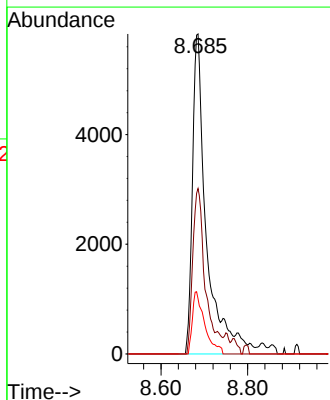
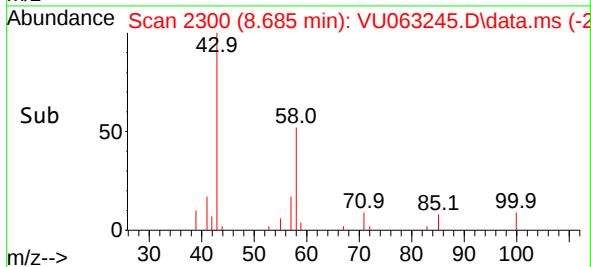
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025

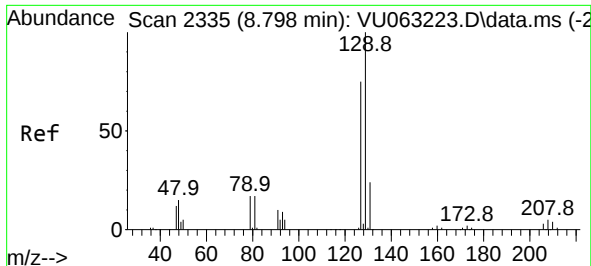


#54  
2-Hexanone  
Concen: 2.345 ug/l m  
RT: 8.685 min Scan# 2300  
Delta R.T. 0.013 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04



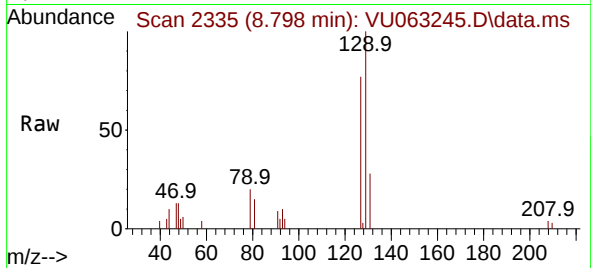
Tgt Ion: 43 Resp: 13529  
Ion Ratio Lower Upper  
43 100  
58 45.0 38.0 78.0  
57 16.5 0.0 39.1





#55  
Dibromochloromethane  
Concen: 0.546 ug/l  
RT: 8.798 min Scan# 2335  
Delta R.T. -0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

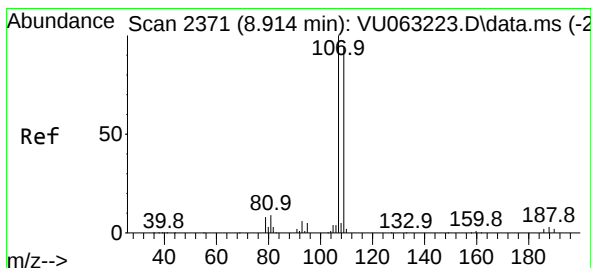
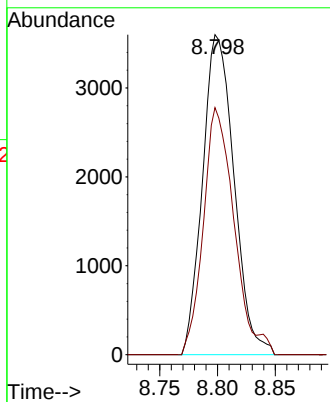
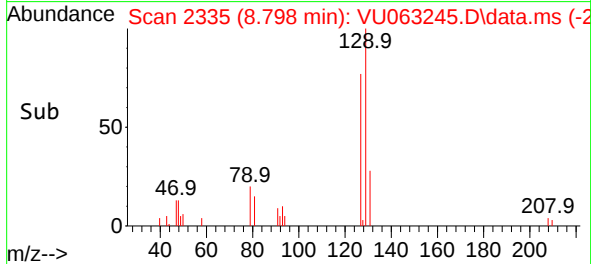
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT1-2025



Tgt Ion:129 Resp: 6832  
Ion Ratio Lower Upper  
129 100  
127 75.2 60.4 90.6

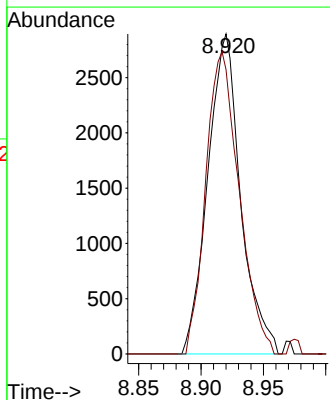
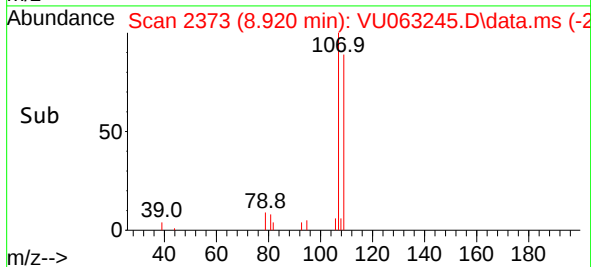
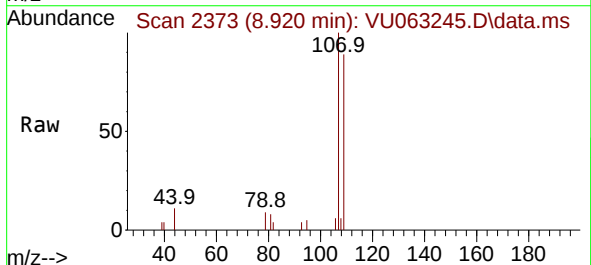
Manual Integrations  
APPROVED

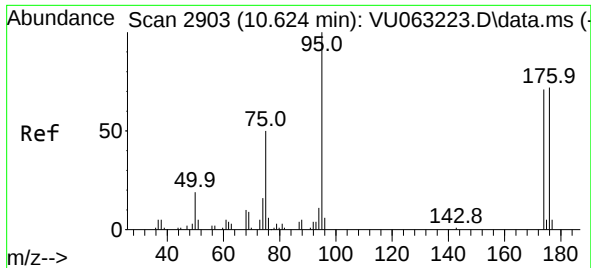
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#56  
1,2-Dibromoethane  
Concen: 0.520 ug/l  
RT: 8.920 min Scan# 2373  
Delta R.T. 0.006 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

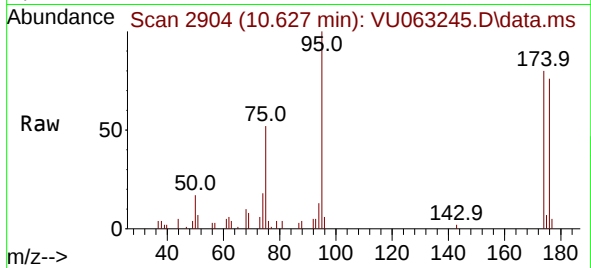
Tgt Ion:107 Resp: 5306  
Ion Ratio Lower Upper  
107 100  
109 96.0 0.0 187.8





#57  
4-Bromofluorobenzene  
Concen: 0.885 ug/l  
RT: 10.627 min Scan# 2904  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

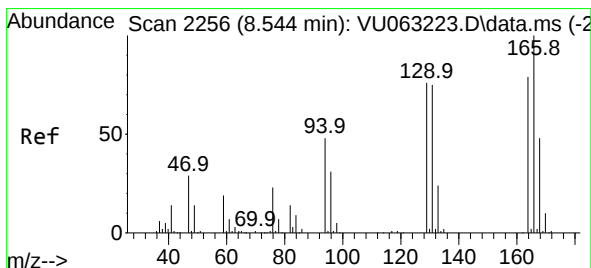
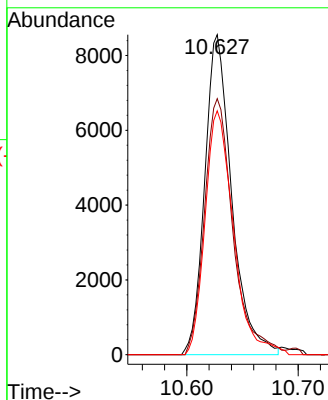
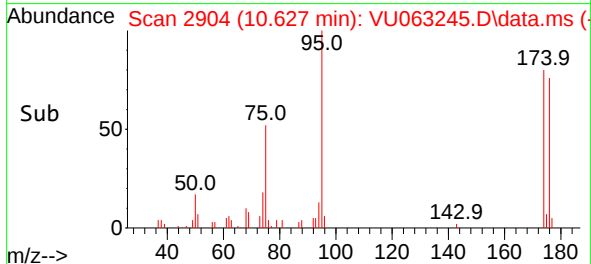
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT1-2025



Tgt Ion: 95 Resp: 14450  
Ion Ratio Lower Upper  
95 100  
174 84.5 58.6 88.0  
176 80.0 58.2 87.4

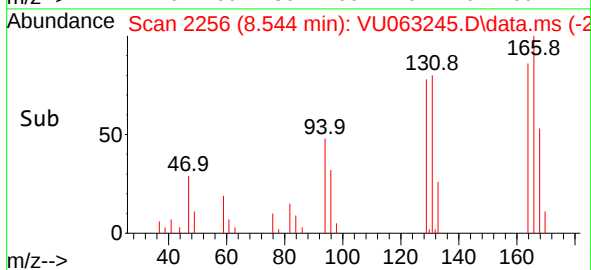
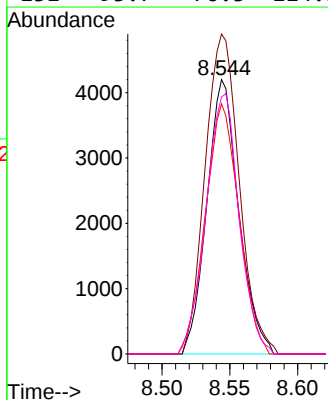
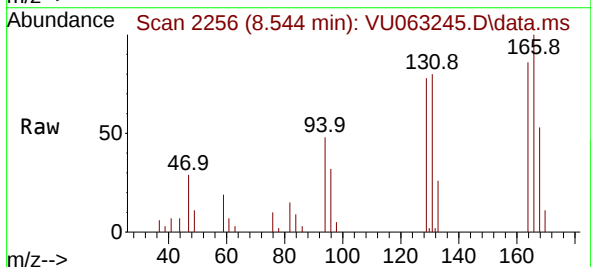
Manual Integrations  
APPROVED

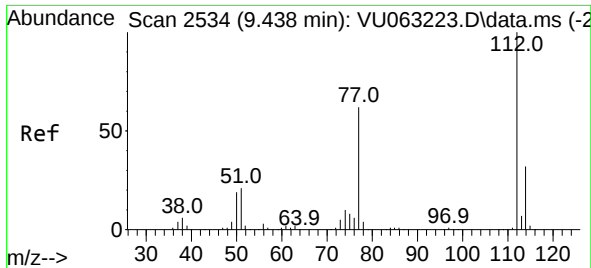
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#58  
Tetrachloroethene  
Concen: 0.576 ug/l  
RT: 8.544 min Scan# 2256  
Delta R.T. 0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

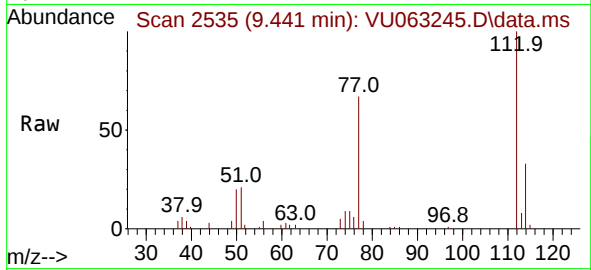
Tgt Ion:164 Resp: 6873  
Ion Ratio Lower Upper  
164 100  
166 116.6 101.4 152.0  
129 91.2 77.0 115.4  
131 93.7 76.3 114.5





#59  
Chlorobenzene  
Concen: 0.521 ug/l  
RT: 9.441 min Scan# 2535  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

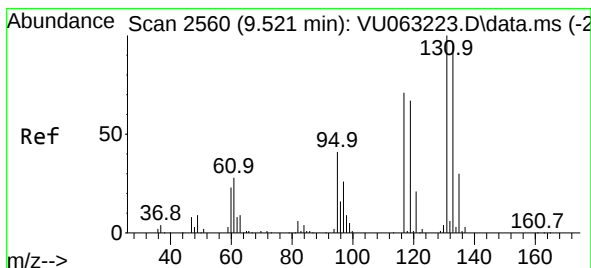
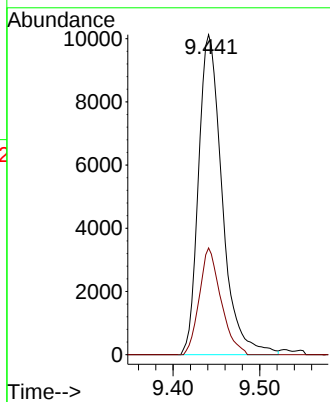
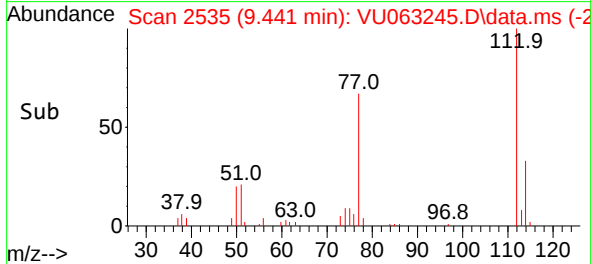
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT1-2025



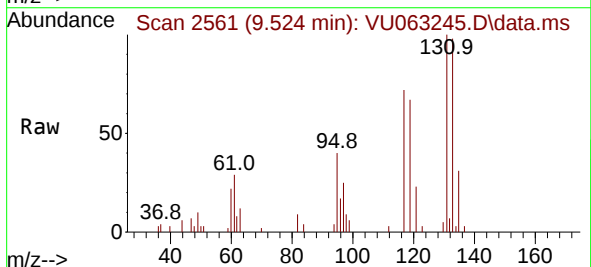
Tgt Ion:112 Resp: 1923  
Ion Ratio Lower Upper  
112 100  
114 33.3 25.7 38.5

Manual Integrations  
APPROVED

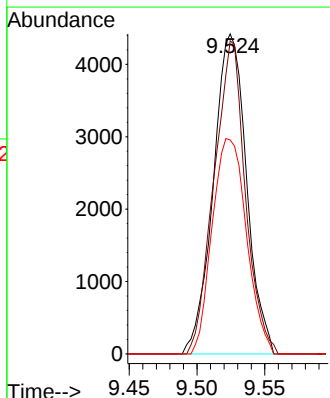
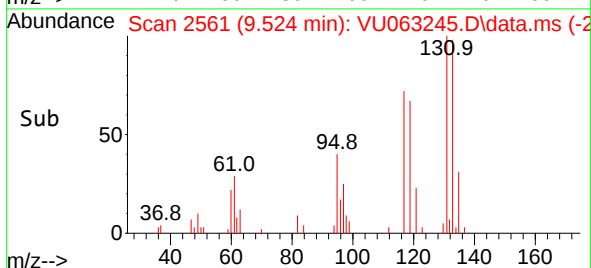
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025

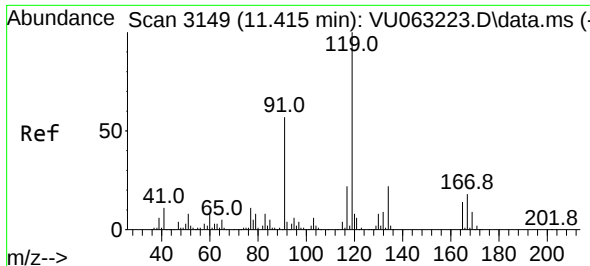


#60  
1,1,1,2-Tetrachloroethane  
Concen: 0.567 ug/l  
RT: 9.524 min Scan# 2561  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04



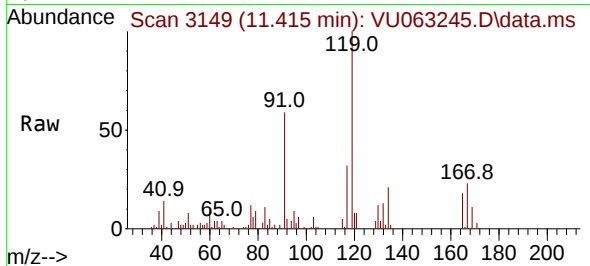
Tgt Ion:131 Resp: 7524  
Ion Ratio Lower Upper  
131 100  
133 92.3 76.7 115.1  
119 69.4 54.4 81.6





#61  
Pentachloroethane  
Concen: 0.536 ug/l  
RT: 11.415 min Scan# 3149  
Delta R.T. 0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

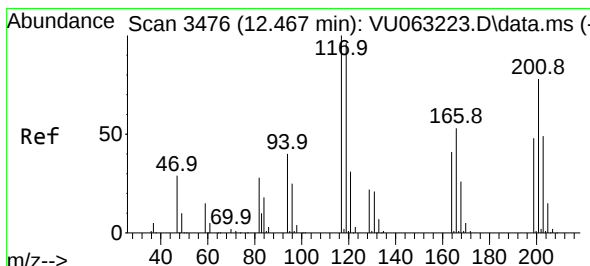
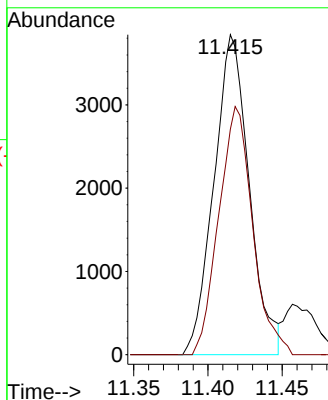
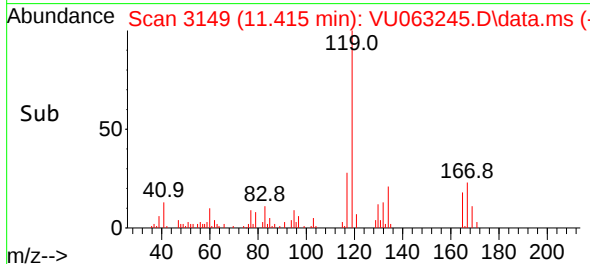
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



Tgt Ion:117 Resp: 6352  
Ion Ratio Lower Upper  
117 100  
167 74.4 65.0 97.6

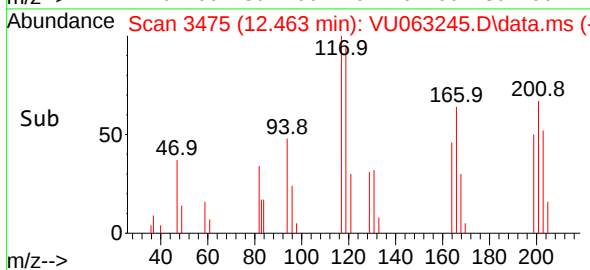
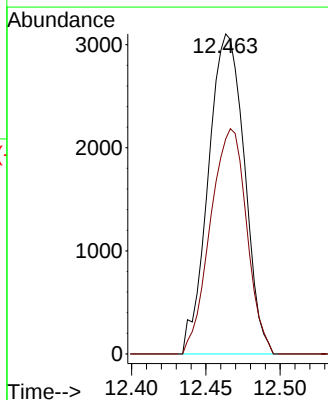
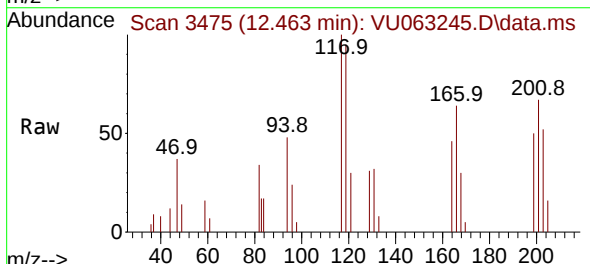
Manual Integrations  
APPROVED

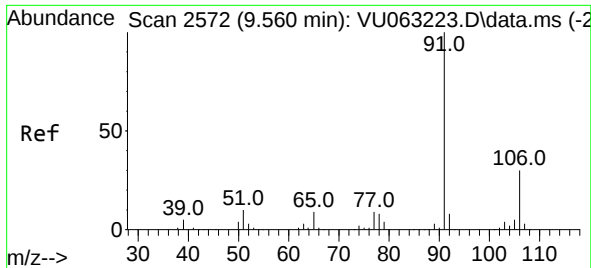
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#62  
Hexachloroethane  
Concen: 0.500 ug/l  
RT: 12.463 min Scan# 3475  
Delta R.T. -0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Tgt Ion:117 Resp: 5243  
Ion Ratio Lower Upper  
117 100  
201 70.9 61.3 91.9





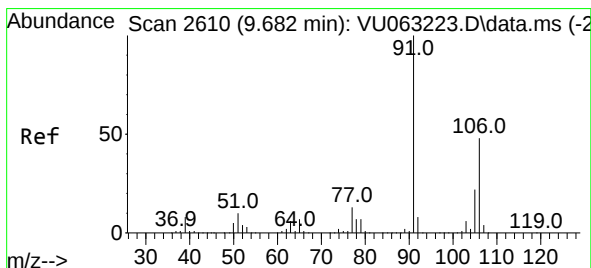
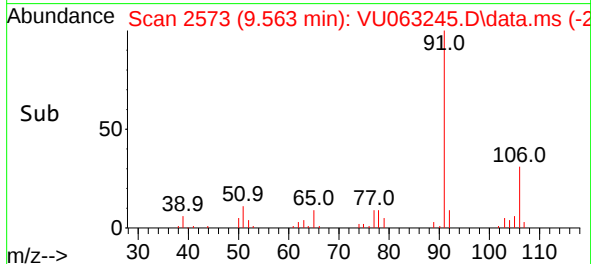
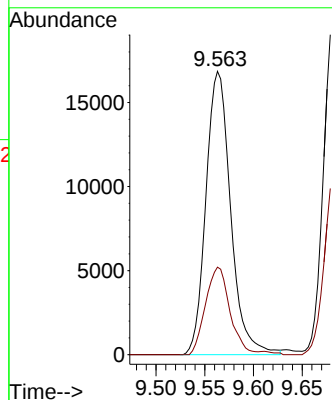
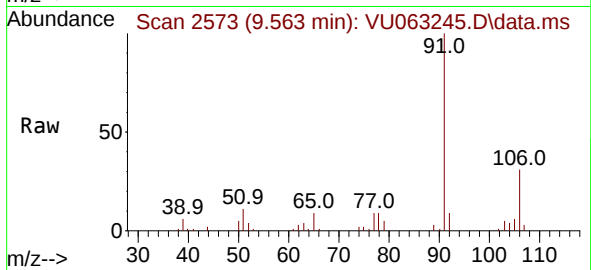
#63  
Ethyl Benzene  
Concen: 0.467 ug/l  
RT: 9.563 min Scan# 2573  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

Tgt Ion: 91 Resp: 29739  
Ion Ratio Lower Upper  
91 100  
106 30.9 24.2 36.2

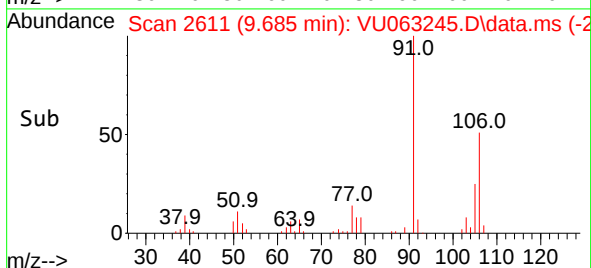
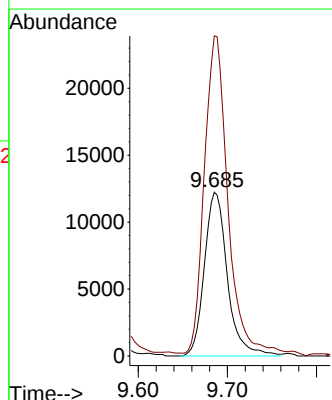
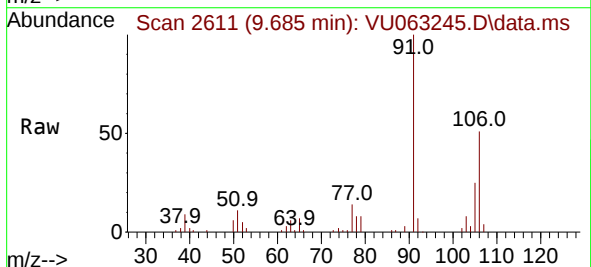
Manual Integrations  
APPROVED

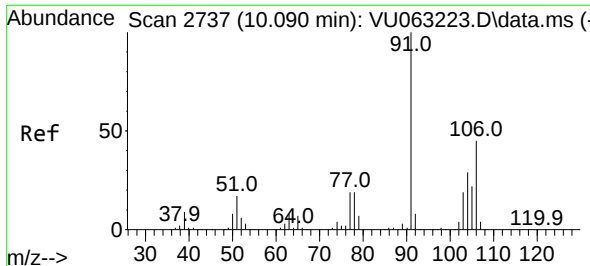
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#64  
m/p-Xylenes  
Concen: 0.923 ug/l  
RT: 9.685 min Scan# 2611  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Tgt Ion:106 Resp: 21944  
Ion Ratio Lower Upper  
106 100  
91 196.1 166.9 250.3





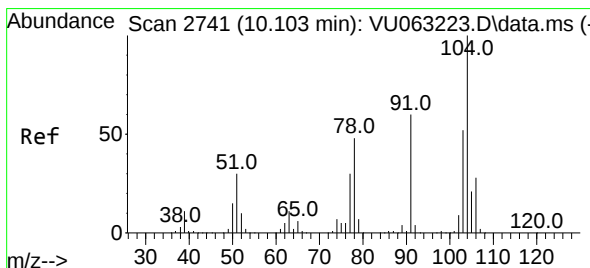
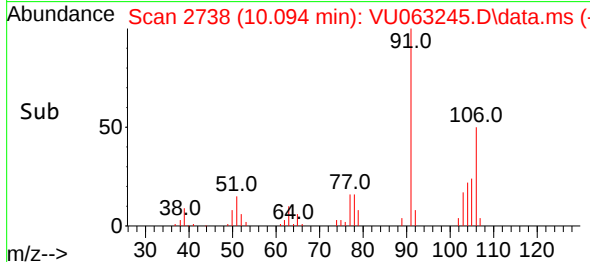
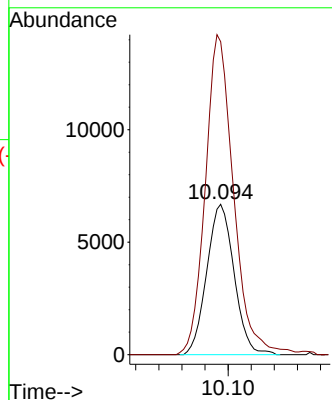
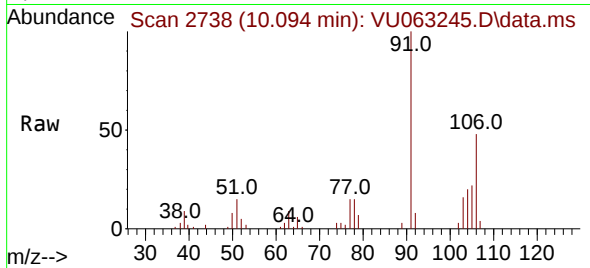
#65  
o-Xylene  
Concen: 0.472 ug/l  
RT: 10.094 min Scan# 2737  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

Tgt Ion:106 Resp: 1098  
Ion Ratio Lower Upper  
106 100  
91 219.6 110.9 332.9

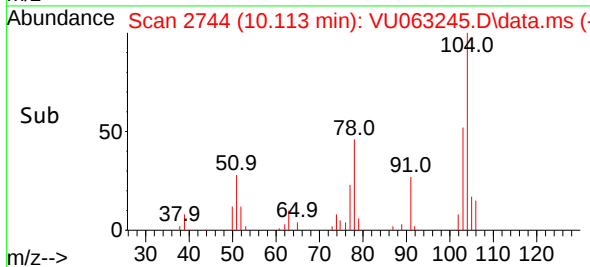
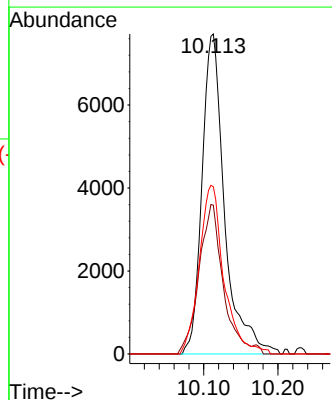
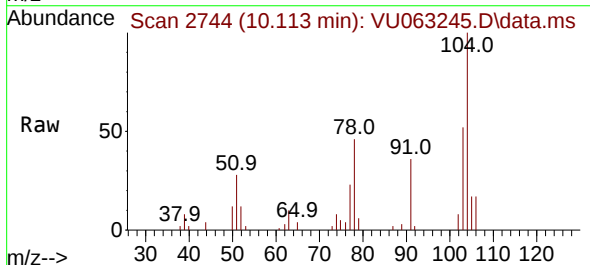
Manual Integrations  
APPROVED

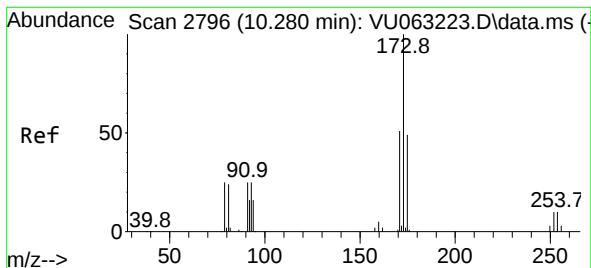
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#66  
Styrene  
Concen: 0.440 ug/l  
RT: 10.113 min Scan# 2744  
Delta R.T. 0.010 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Tgt Ion:104 Resp: 16318  
Ion Ratio Lower Upper  
104 100  
78 49.5 41.2 61.8  
103 57.5 44.8 67.2





#67

Bromoform

Concen: 0.543 ug/l

RT: 10.283 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT1-2025

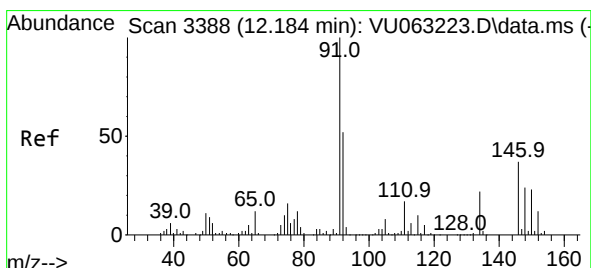
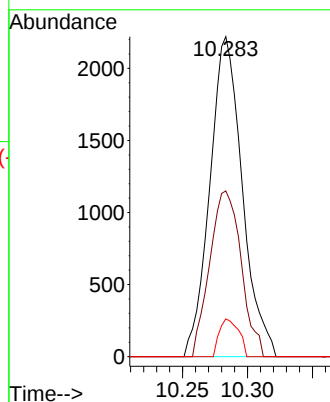
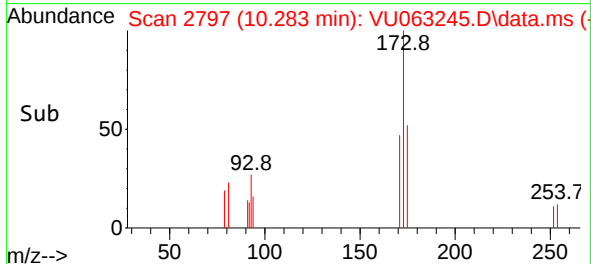
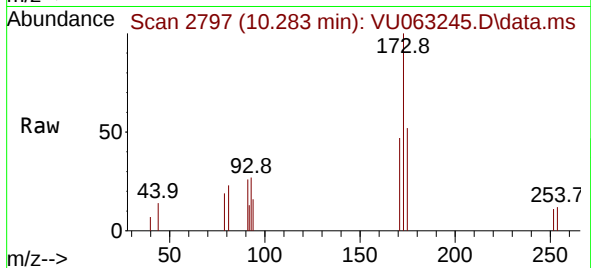
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 385       |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 50.2  | 39.0 58.4 |
| 254         | 7.0   | 7.7 11.5  |

Manual Integrations

APPROVED

Reviewed By :Amit Patel 02/12/2025

Supervised By :Mahesh Dadoda 02/12/2025



#68

1,2-Dichlorobenzene-d4

Concen: 0.896 ug/l

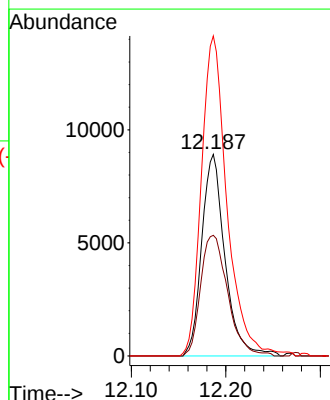
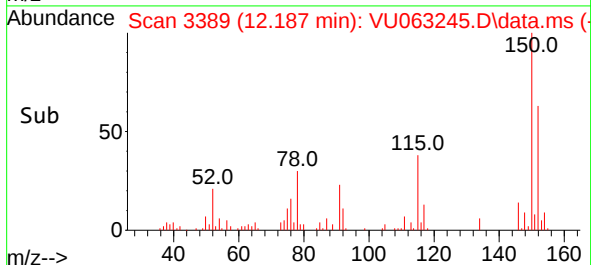
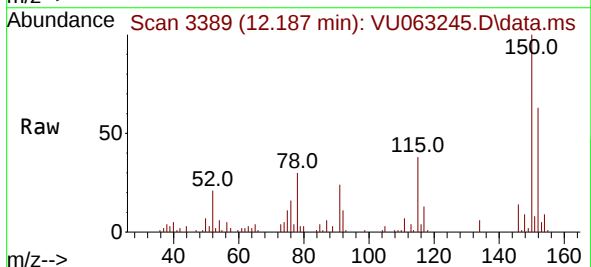
RT: 12.187 min Scan# 3389

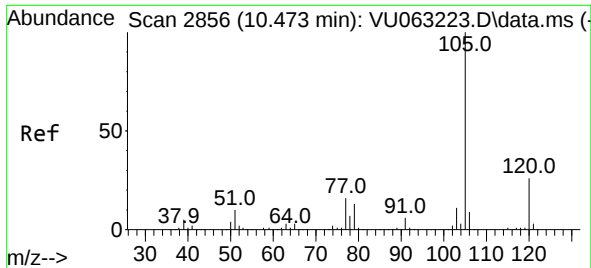
Delta R.T. 0.003 min

Lab File: VU063245.D

Acq: 11 Feb 2025 19:04

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 15221     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 69.8  | 0.0 275.2 |
| 150         | 174.8 | 0.0 658.4 |





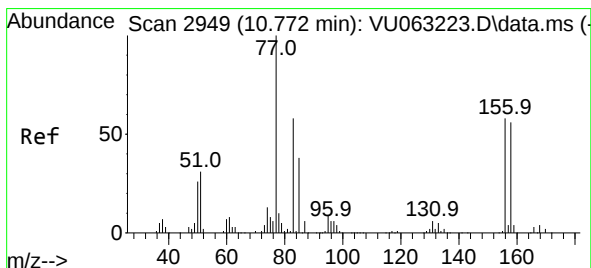
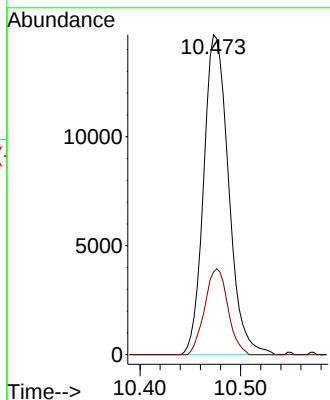
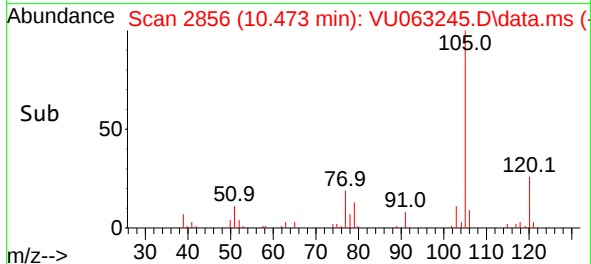
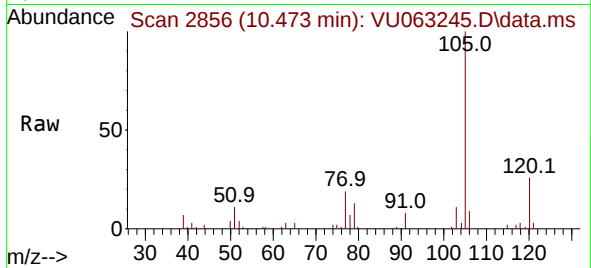
#69  
Isopropylbenzene  
Concen: 0.462 ug/l  
RT: 10.473 min Scan# 2856  
Delta R.T. 0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025

Tgt Ion:105 Resp: 25304  
Ion Ratio Lower Upper  
105 100  
120 25.0 12.8 38.4

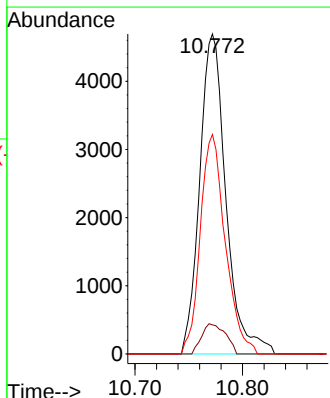
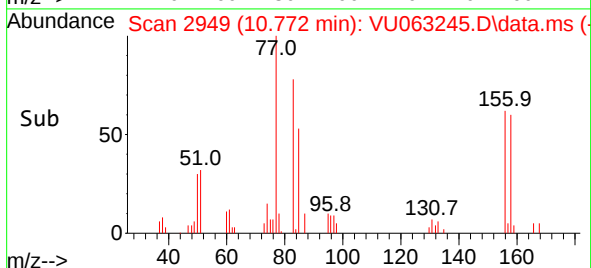
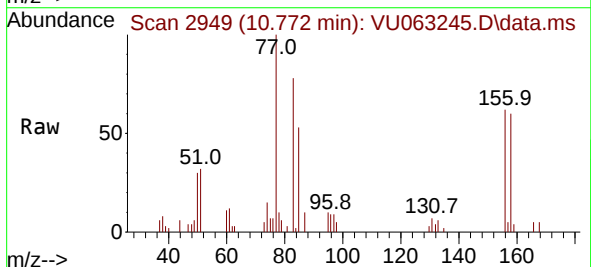
Manual Integrations  
APPROVED

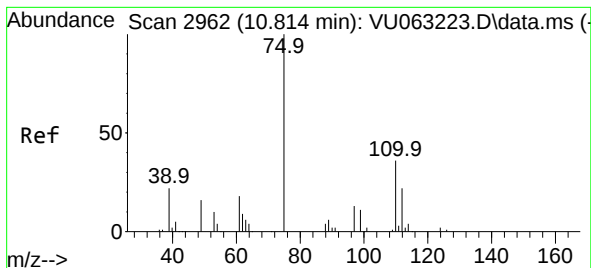
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.542 ug/l  
RT: 10.772 min Scan# 2949  
Delta R.T. -0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

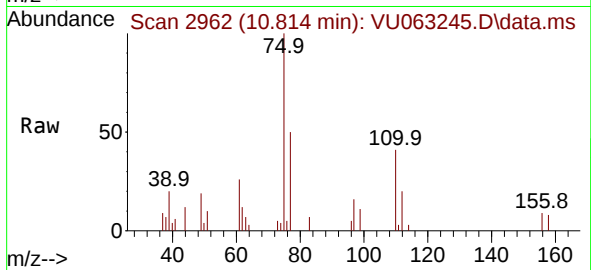
Tgt Ion: 83 Resp: 7937  
Ion Ratio Lower Upper  
83 100  
131 8.6 7.4 11.0  
85 65.3 51.8 77.8





#71  
1,2,3-Trichloropropane  
Concen: 0.498 ug/l m  
RT: 10.814 min Scan# 2962  
Delta R.T. -0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

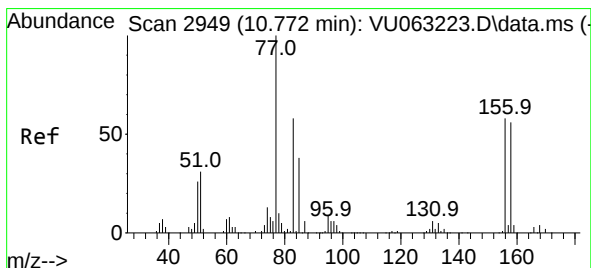
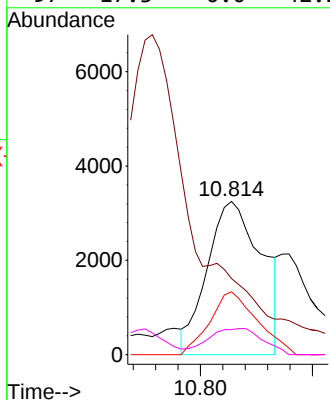
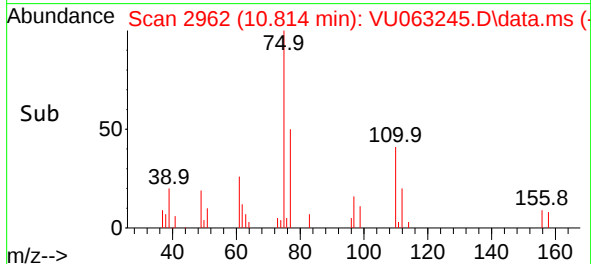
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT1-2025



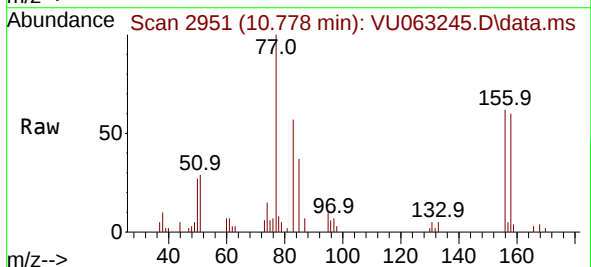
Tgt Ion: 75 Resp: 548  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0  
110 35.8 0.0 77.0  
97 17.3 0.0 42.2

Manual Integrations  
APPROVED

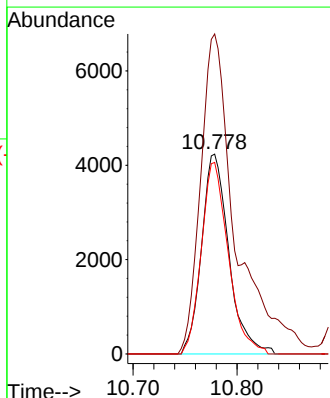
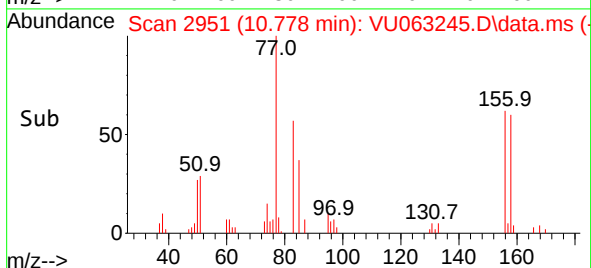
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025

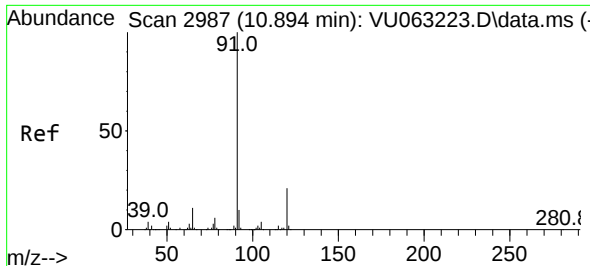


#72  
Bromobenzene  
Concen: 0.523 ug/l  
RT: 10.778 min Scan# 2951  
Delta R.T. 0.006 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04



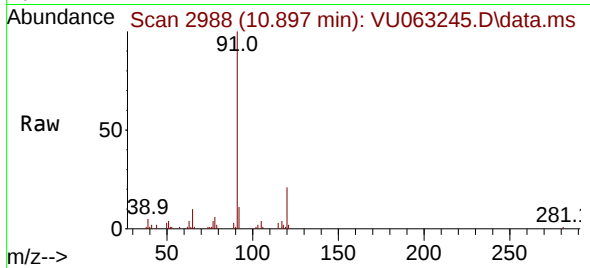
Tgt Ion:156 Resp: 7720  
Ion Ratio Lower Upper  
156 100  
77 206.8 0.0 343.6  
158 94.8 0.0 193.0





#73  
n-propylbenzene  
Concen: 0.453 ug/l  
RT: 10.897 min Scan# 2987  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

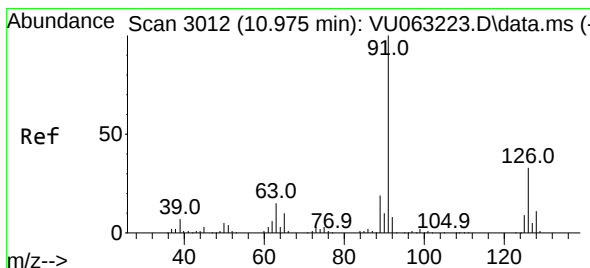
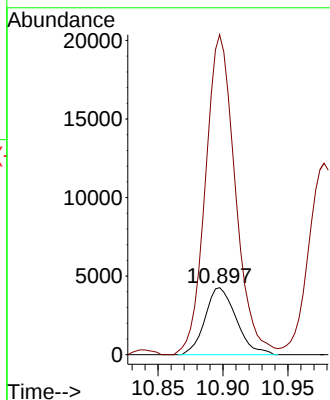
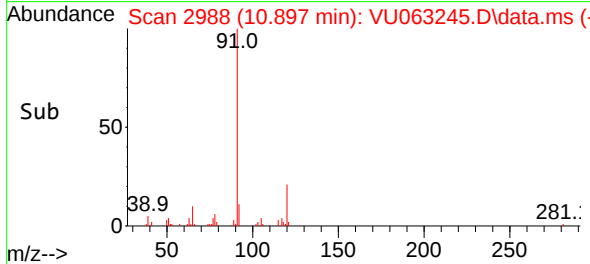
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



Tgt Ion:120 Resp: 7098  
Ion Ratio Lower Upper  
120 100  
91 459.2 369.8 554.6

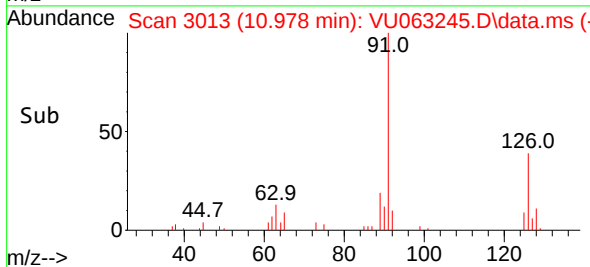
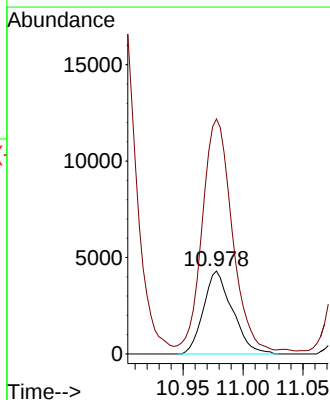
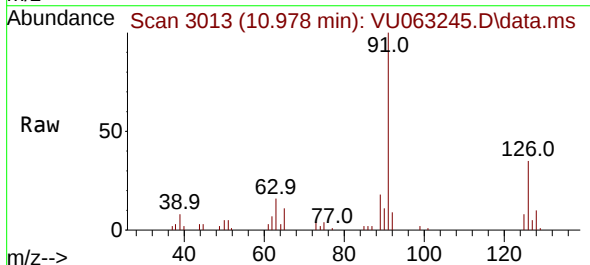
Manual Integrations  
APPROVED

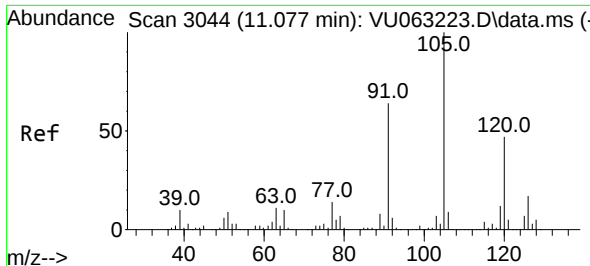
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#74  
2-Chlorotoluene  
Concen: 0.498 ug/l  
RT: 10.978 min Scan# 3013  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Tgt Ion:126 Resp: 7187  
Ion Ratio Lower Upper  
126 100  
91 288.3 0.0 623.8





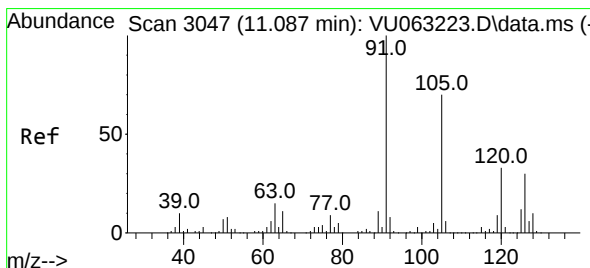
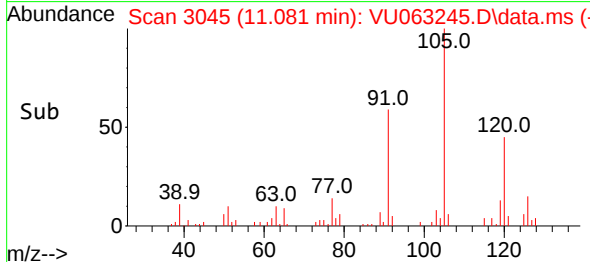
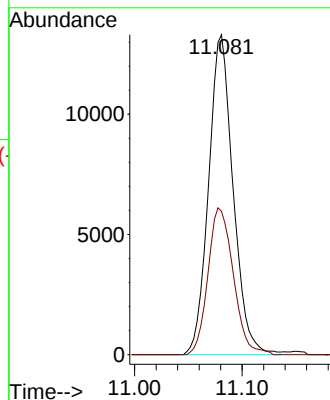
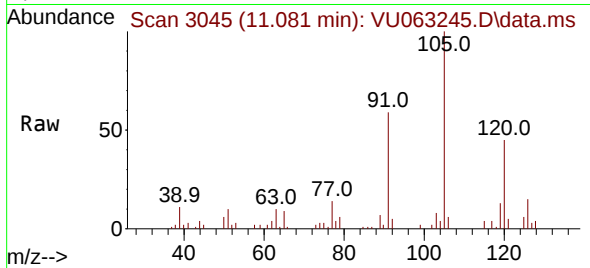
#75  
1,3,5-Trimethylbenzene  
Concen: 0.416 ug/l  
RT: 11.081 min Scan# 3044  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT1-2025

Tgt Ion:105 Resp: 2108  
Ion Ratio Lower Upper  
105 100  
120 47.6 37.3 55.9

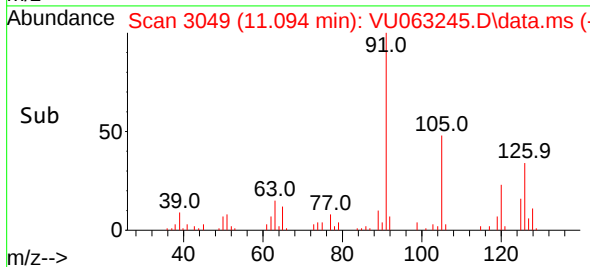
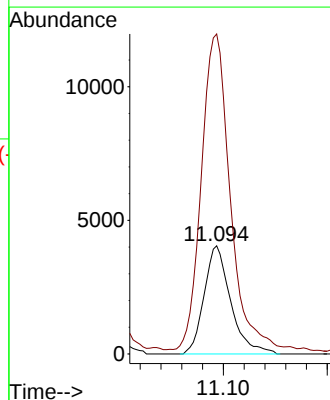
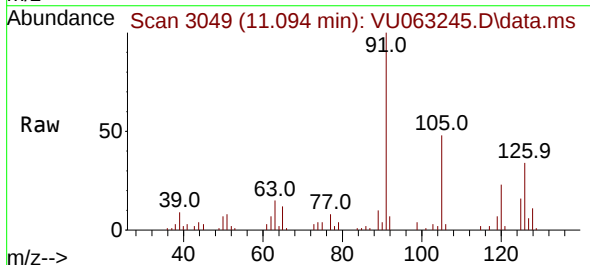
Manual Integrations  
APPROVED

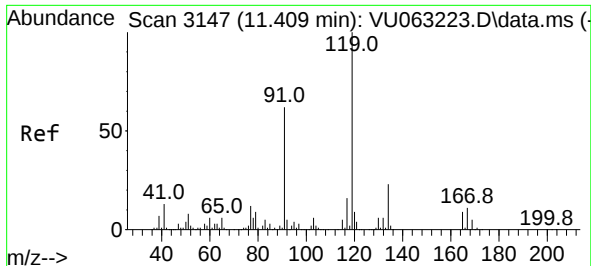
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#76  
4-Chlorotoluene  
Concen: 0.484 ug/l  
RT: 11.094 min Scan# 3049  
Delta R.T. 0.006 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

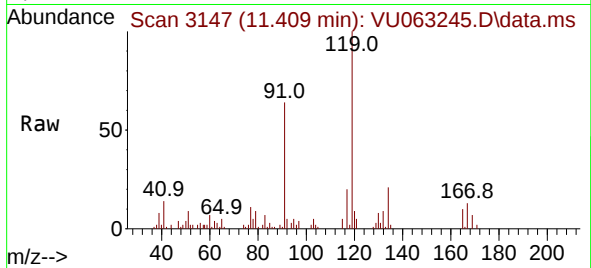
Tgt Ion:126 Resp: 7168  
Ion Ratio Lower Upper  
126 100  
91 322.3 0.0 703.6





#77  
tert-Butylbenzene  
Concen: 0.452 ug/l  
RT: 11.409 min Scan# 3147  
Delta R.T. -0.000 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

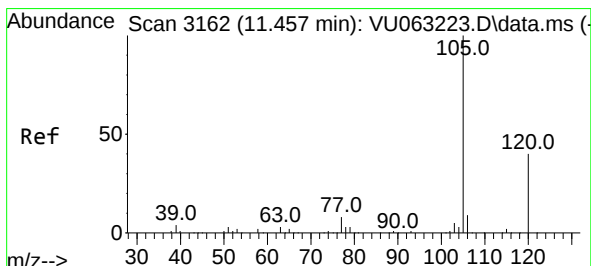
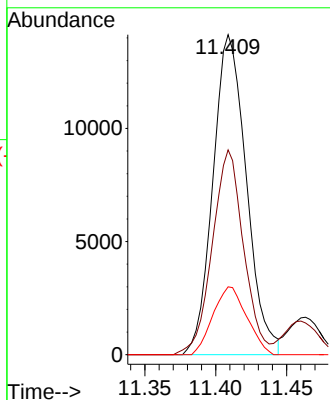
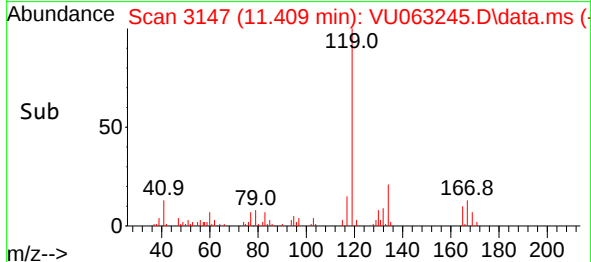
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT1-2025



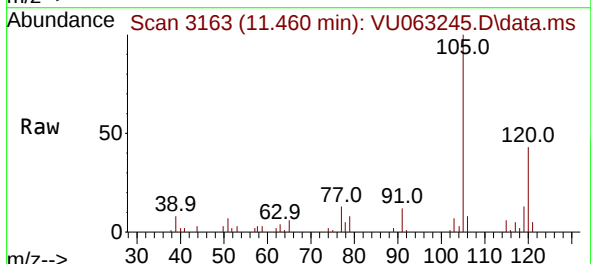
Tgt Ion:119 Resp: 23184  
Ion Ratio Lower Upper  
119 100  
91 59.8 29.4 88.3  
134 21.4 17.6 26.4

Manual Integrations  
APPROVED

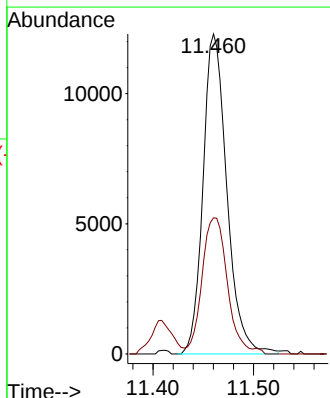
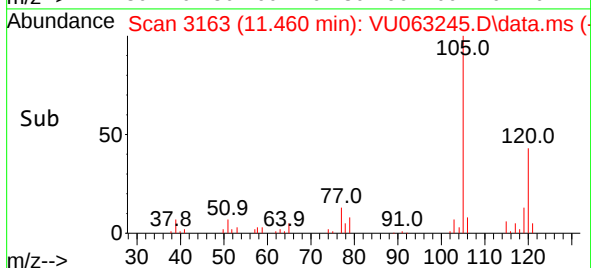
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025

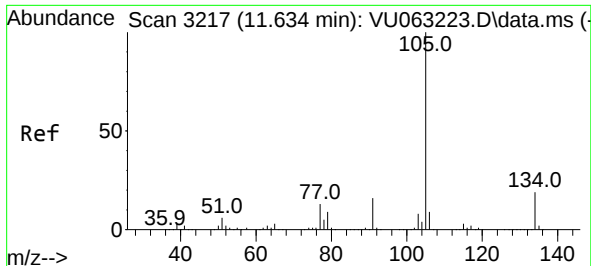


#78  
1,2,4-Trimethylbenzene  
Concen: 0.402 ug/l  
RT: 11.460 min Scan# 3163  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04



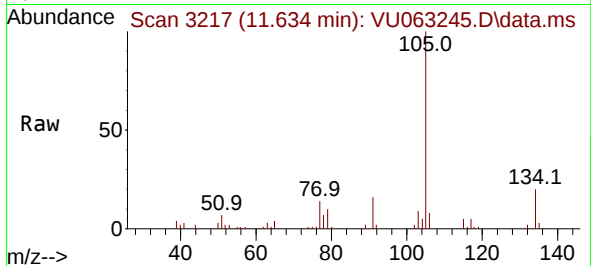
Tgt Ion:105 Resp: 20247  
Ion Ratio Lower Upper  
105 100  
120 45.5 21.9 65.7





#79  
 sec-Butylbenzene  
 Concen: 0.439 ug/l  
 RT: 11.634 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU063245.D  
 Acq: 11 Feb 2025 19:04

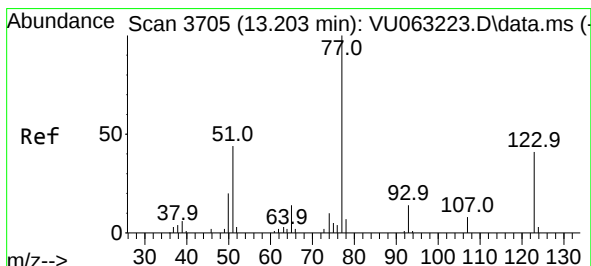
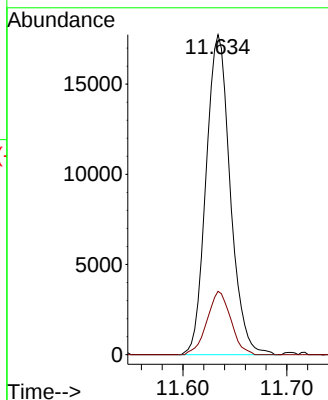
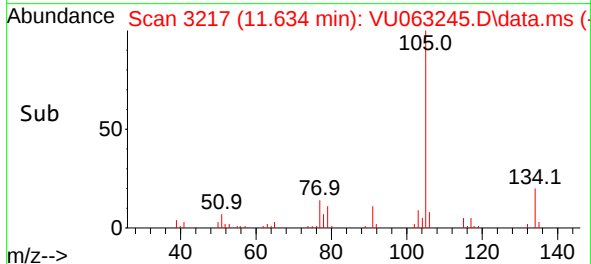
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2025



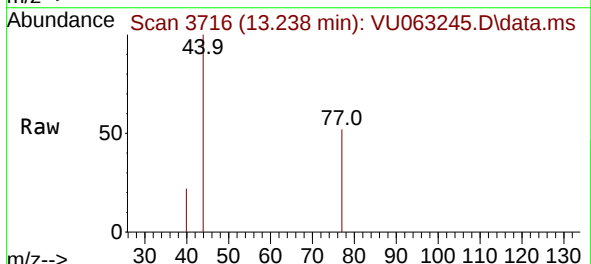
Tgt Ion:105 Resp: 2865  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 15.1 22.7

Manual Integrations  
 APPROVED

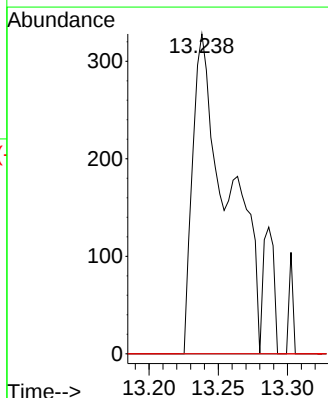
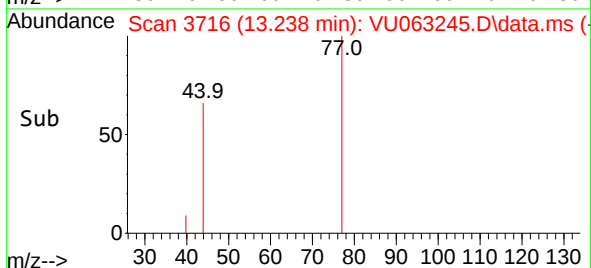
Reviewed By :Amit Patel 02/12/2025  
 Supervised By :Mahesh Dadoda 02/12/2025

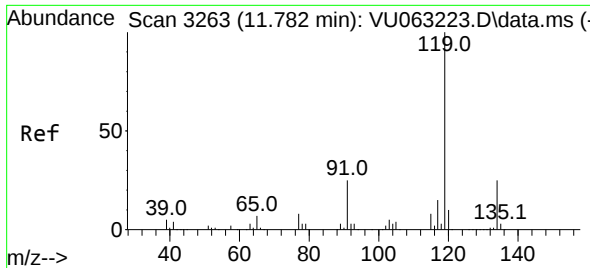


#80  
 Nitrobenzene  
 Concen: 1.885 ug/l m  
 RT: 13.238 min Scan# 3716  
 Delta R.T. 0.035 min  
 Lab File: VU063245.D  
 Acq: 11 Feb 2025 19:04



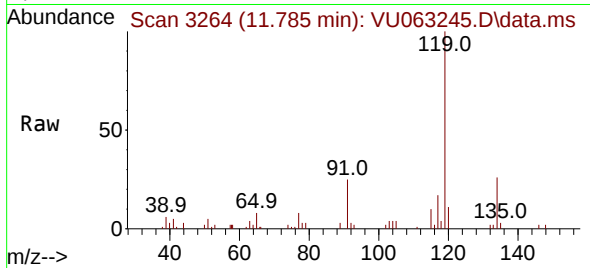
Tgt Ion: 77 Resp: 657  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 18.9 67.1#  
 65 0.0 11.9 15.1#





#81  
p-Isopropyltoluene  
Concen: 0.408 ug/l  
RT: 11.785 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

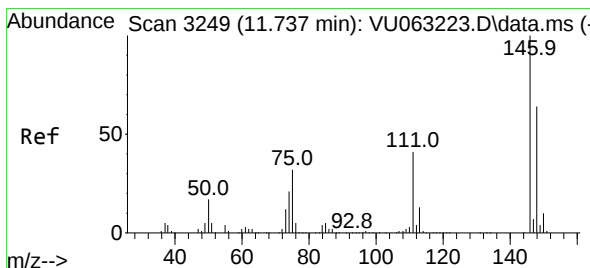
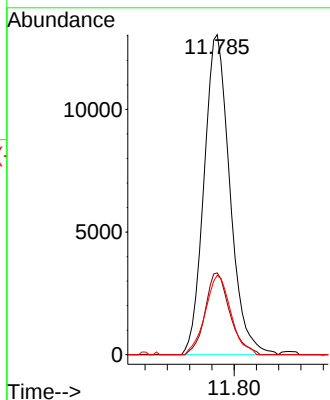
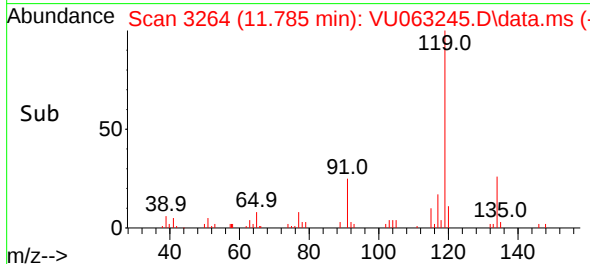
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



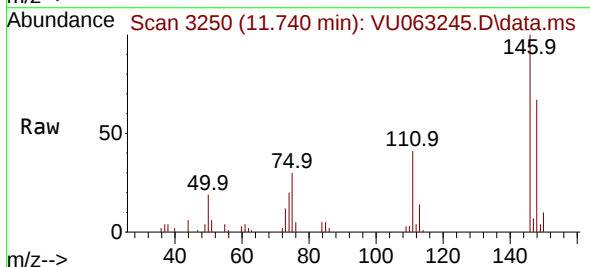
Tgt Ion:119 Resp: 21014  
Ion Ratio Lower Upper  
119 100  
134 24.6 20.3 30.5  
91 24.5 19.4 29.2

Manual Integrations  
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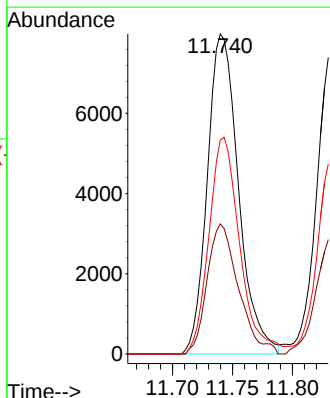
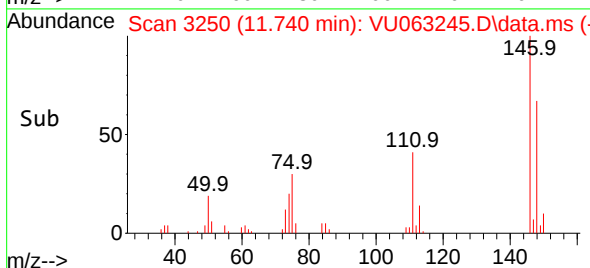
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025

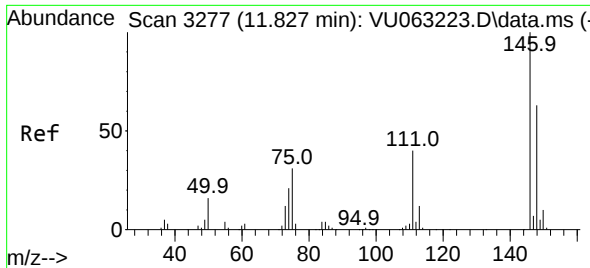


#82  
1,3-Dichlorobenzene  
Concen: 0.504 ug/l  
RT: 11.740 min Scan# 3250  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04



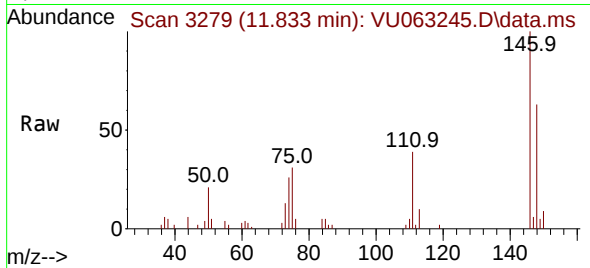
Tgt Ion:146 Resp: 14427  
Ion Ratio Lower Upper  
146 100  
111 40.8 32.8 49.2  
148 67.1 51.1 76.7





#83  
1,4-Dichlorobenzene  
Concen: 0.508 ug/l  
RT: 11.833 min Scan# 3279  
Delta R.T. 0.006 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

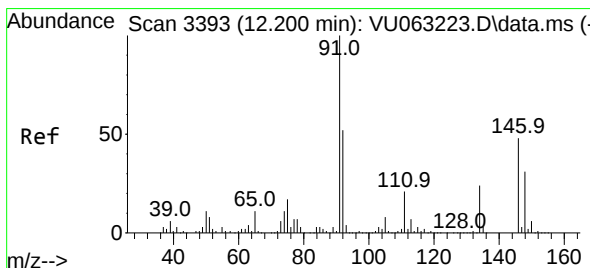
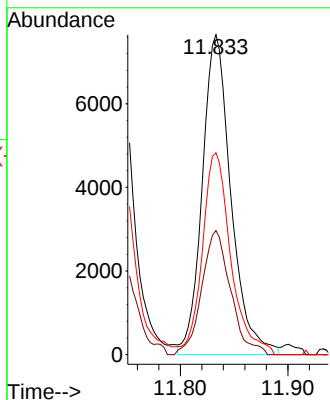
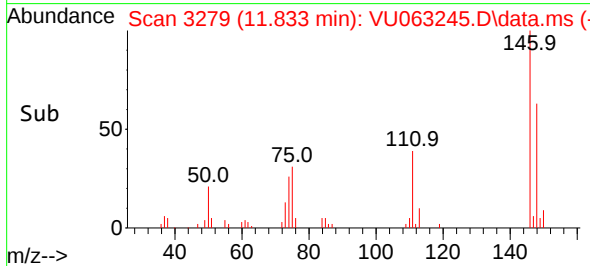
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



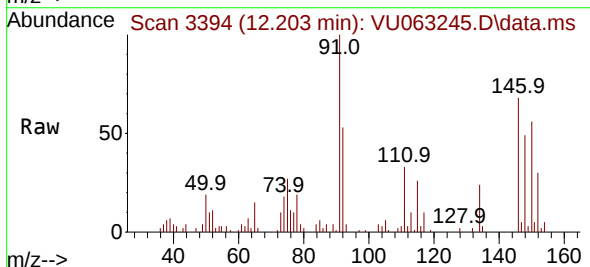
Tgt Ion:146 Resp: 14210  
Ion Ratio Lower Upper  
146 100  
111 39.0 32.1 48.1  
148 62.6 50.2 75.4

Manual Integrations  
APPROVED

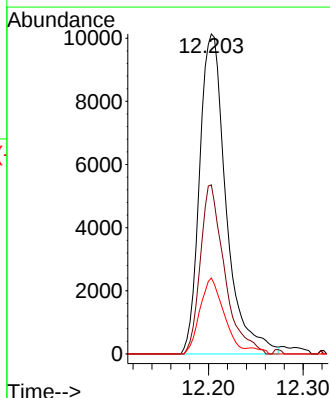
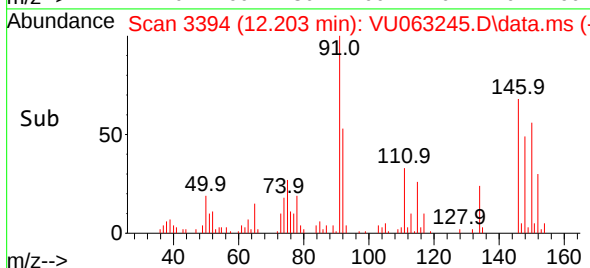
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025

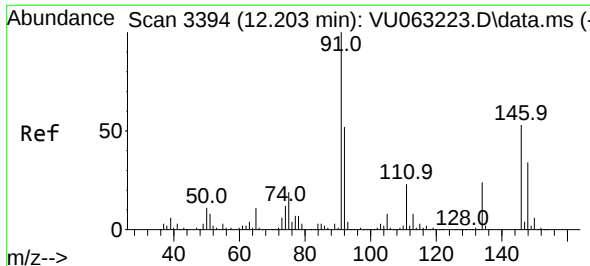


#84  
n-Butylbenzene  
Concen: 0.428 ug/l  
RT: 12.203 min Scan# 3394  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04



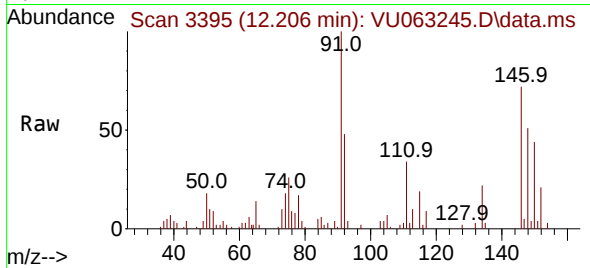
Tgt Ion: 91 Resp: 19763  
Ion Ratio Lower Upper  
91 100  
92 48.3 41.8 62.8  
134 21.4 18.6 28.0





#85  
1,2-Dichlorobenzene  
Concen: 0.506 ug/l  
RT: 12.206 min Scan# 3111  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

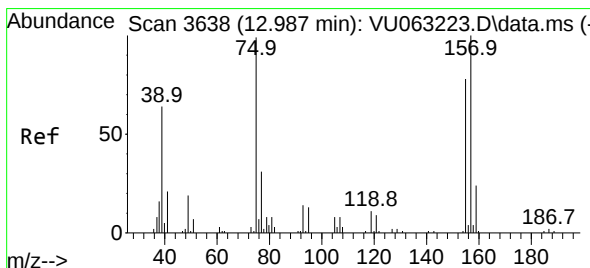
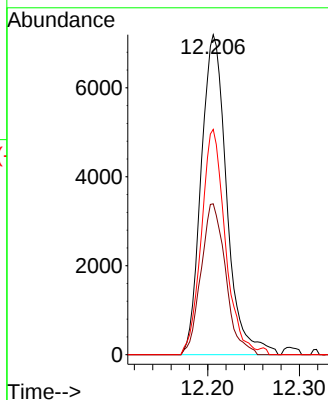
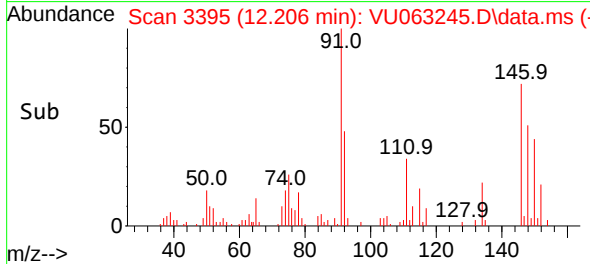
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



Tgt Ion:146 Resp: 1391  
Ion Ratio Lower Upper  
146 100  
111 45.6 21.9 65.7  
148 66.1 32.3 96.9

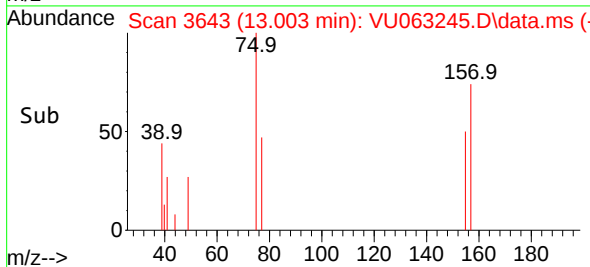
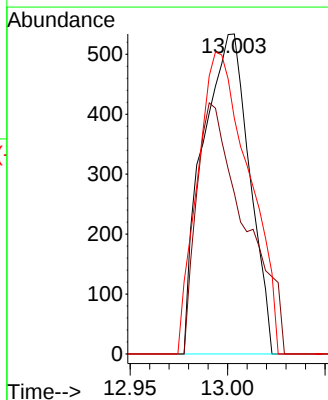
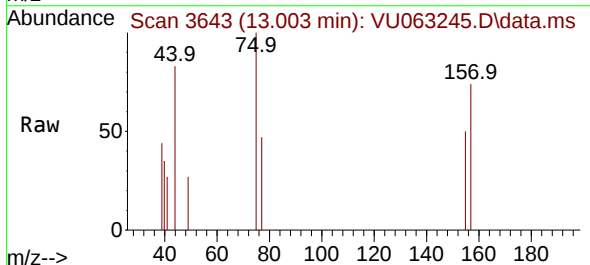
Manual Integrations  
APPROVED

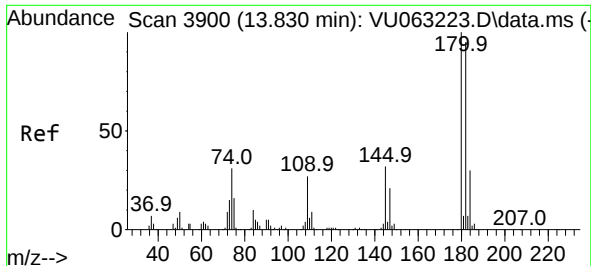
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.432 ug/l  
RT: 13.003 min Scan# 3643  
Delta R.T. 0.016 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

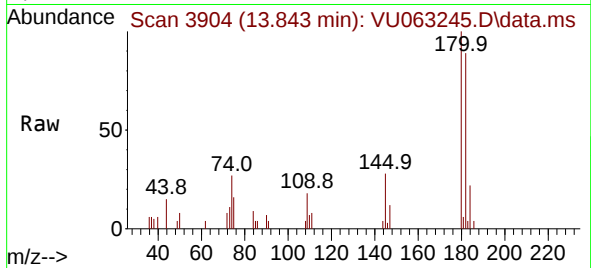
Tgt Ion: 75 Resp: 888  
Ion Ratio Lower Upper  
75 100  
155 81.4 63.5 95.3  
157 104.4 81.8 122.6





#87  
1,2,4-Trichlorobenzene  
Concen: 0.457 ug/l  
RT: 13.843 min Scan# 3904  
Delta R.T. 0.013 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

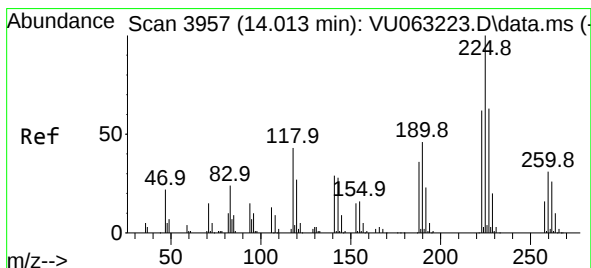
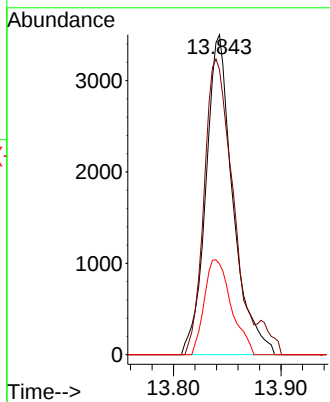
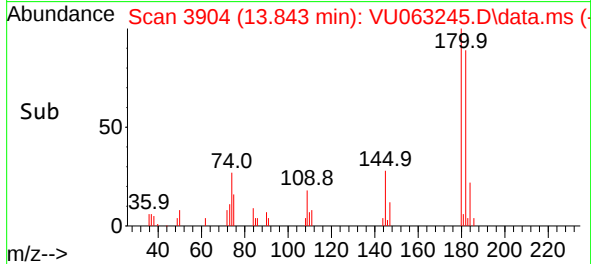
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



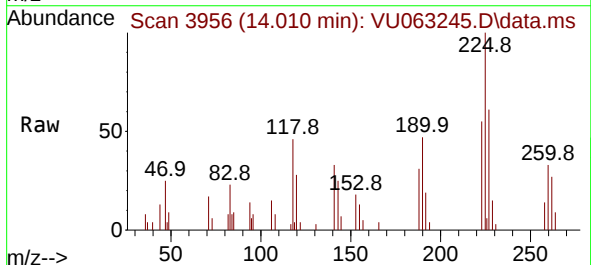
Tgt Ion:180 Resp: 612  
Ion Ratio Lower Upper  
180 100  
182 97.8 76.6 115.0  
145 29.5 25.4 38.2

Manual Integrations  
APPROVED

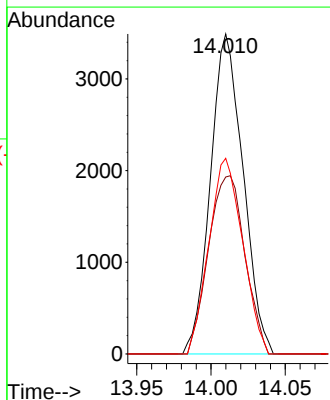
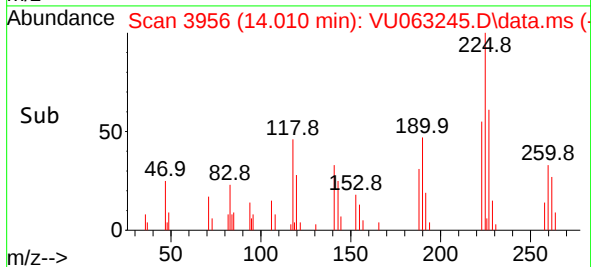
Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025

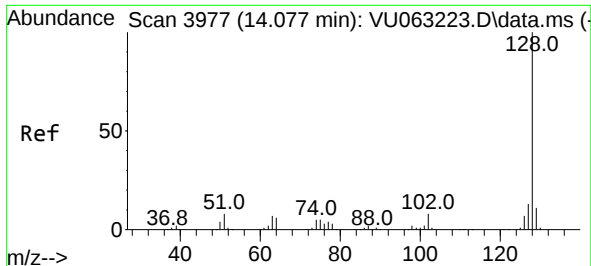


#88  
Hexachlorobutadiene  
Concen: 0.557 ug/l  
RT: 14.010 min Scan# 3956  
Delta R.T. -0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04



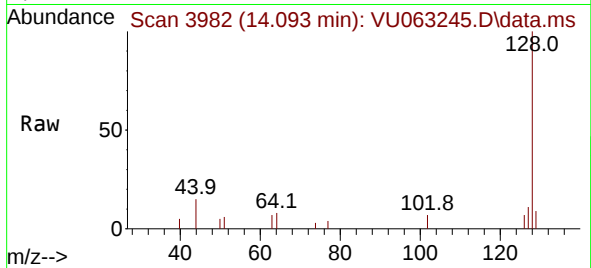
Tgt Ion:225 Resp: 5337  
Ion Ratio Lower Upper  
225 100  
223 61.9 49.5 74.3  
227 63.2 51.0 76.4





#89  
Naphthalene  
Concen: 0.461 ug/l m  
RT: 14.093 min Scan# 3977  
Delta R.T. 0.016 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

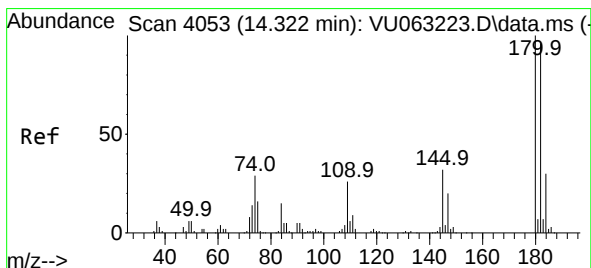
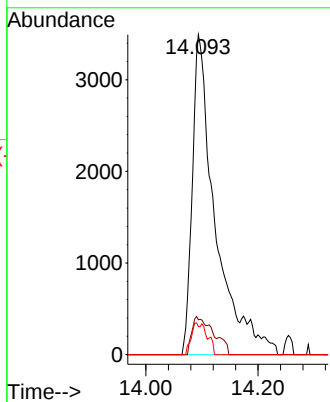
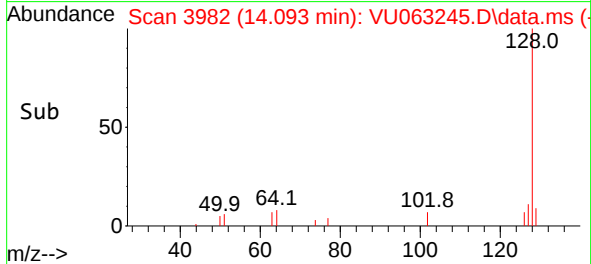
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT1-2025



Tgt Ion:128 Resp: 995  
Ion Ratio Lower Upper  
128 100  
127 9.3 10.6 16.0  
129 6.8 8.6 13.0

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 02/12/2025  
Supervised By :Mahesh Dadoda 02/12/2025



#90  
1,2,3-Trichlorobenzene  
Concen: 0.467 ug/l  
RT: 14.325 min Scan# 4054  
Delta R.T. 0.003 min  
Lab File: VU063245.D  
Acq: 11 Feb 2025 19:04

Tgt Ion:180 Resp: 6122  
Ion Ratio Lower Upper  
180 100  
182 100.4 78.2 117.2  
145 36.6 26.1 39.1

