

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU073024\  
 Data File : VU060265.D  
 Acq On : 30 Jul 2024 15:11  
 Operator : MD/SY  
 Sample : VSTDICC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Jul 31 04:33:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U073024DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Jul 31 04:32:50 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.107  | 96   | 41385    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.630 | 95   | 12518    | 0.897 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 90.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.190 | 152  | 13297    | 0.887 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 89.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.383  | 85   | 7179     | 0.484 | ug/l    | 97       |
| 3) Chloromethane             | 1.522  | 50   | 9263     | 0.519 | ug/l    | 96       |
| 4) Vinyl Chloride            | 1.605  | 62   | 7967     | 0.461 | ug/l    | 98       |
| 5) Bromomethane              | 1.849  | 94   | 5606     | 0.534 | ug/l    | 90       |
| 6) Chloroethane              | 1.927  | 64   | 5363     | 0.517 | ug/l    | 93       |
| 7) Trichlorofluoromethane    | 2.136  | 101  | 9576     | 0.491 | ug/l    | 100      |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101  | 5345     | 0.490 | ug/l    | 99       |
| 9) 1,1-Dichloroethene        | 2.576  | 96   | 5001     | 0.450 | ug/l    | 86       |
| 10) Iodomethane              | 2.718  | 142  | 6370     | 0.471 | ug/l    | 99       |
| 11) Allyl Chloride           | 2.917  | 41   | 8062     | 0.502 | ug/l    | 95       |
| 12) Acrylonitrile            | 3.309  | 53   | 3424     | 1.095 | ug/l    | 91       |
| 13) Acetone                  | 2.621  | 43   | 10249    | 2.685 | ug/l    | 91       |
| 14) Carbon Disulfide         | 2.788  | 76   | 18451    | 0.470 | ug/l    | 98       |
| 15) Methylene Chloride       | 3.039  | 84   | 9974     | 0.643 | ug/l    | 87       |
| 16) trans-1,2-Dichloroethene | 3.345  | 96   | 5813     | 0.474 | ug/l    | 97       |
| 17) 1,1-Dichloroethane       | 3.862  | 63   | 11173    | 0.475 | ug/l    | 96       |
| 18) 2-Butanone               | 4.714  | 43   | 12320    | 2.846 | ug/l    | 95       |
| 19) Cyclohexane              | 5.370  | 56   | 10302m   | 0.485 | ug/l    |          |
| 20) Methylcyclohexane        | 6.753  | 83   | 7255     | 0.433 | ug/l    | 96       |
| 21) 2,2-Dichloropropane      | 4.656  | 77   | 8668     | 0.496 | ug/l    | 98       |
| 22) cis-1,2-Dichloroethene   | 4.660  | 96   | 6475     | 0.491 | ug/l    | 92       |
| 23) Diethyl Ether            | 2.374  | 59   | 4755     | 0.500 | ug/l    | 96       |
| 24) tert-Butyl Alcohol       | 3.184  | 59   | 5499     | 5.048 | ug/l #  | 91       |
| 25) Methyl tert-Butyl Ether  | 3.364  | 73   | 13532    | 0.474 | ug/l    | 95       |
| 26) Bromochloromethane       | 4.962  | 128  | 2824     | 0.532 | ug/l    | 91       |
| 27) Chloroform               | 5.078  | 83   | 11450    | 0.502 | ug/l    | 98       |
| 28) 1,1,1-Trichloroethane    | 5.303  | 97   | 8844     | 0.471 | ug/l    | 94       |
| 29) 1,1-Dichloropropene      | 5.515  | 75   | 6991     | 0.459 | ug/l    | 93       |
| 30) Carbon Tetrachloride     | 5.508  | 117  | 7015     | 0.460 | ug/l    | 91       |
| 31) Isopropyl Ether          | 3.994  | 45   | 16533    | 0.467 | ug/l    | 93       |
| 32) Ethyl-t-butyl ether      | 4.505  | 59   | 14810    | 0.447 | ug/l    | 93       |
| 33) Tert-Amyl methyl ether   | 5.949  | 73   | 10418    | 0.439 | ug/l    | 98       |
| 34) Propionitrile            | 4.775  | 54   | 3376     | 2.737 | ug/l #  | 88       |
| 35) Benzene                  | 5.766  | 78   | 21256    | 0.449 | ug/l    | 99       |
| 36) 1,2-Dichloroethane       | 5.791  | 62   | 6914     | 0.506 | ug/l #  | 93       |
| 37) Trichloroethene          | 6.537  | 130  | 5992     | 0.513 | ug/l    | 92       |
| 38) 1,2-Dichloropropane      | 6.788  | 63   | 5945     | 0.451 | ug/l    | 92       |
| 39) Methacrylonitrile        | 4.978  | 41   | 2713     | 0.573 | ug/l #  | 81       |
| 40) Methyl acrylate          | 4.859  | 55   | 3942     | 0.507 | ug/l #  | 93       |
| 41) Tetrahydrofuran          | 5.068  | 42   | 2473     | 1.005 | ug/l #  | 79       |
| 42) 1-Chlorobutane           | 5.447  | 56   | 10222    | 0.476 | ug/l    | 92       |
| 43) Dibromomethane           | 6.914  | 93   | 3191     | 0.489 | ug/l    | 95       |
| 44) Bromodichloromethane     | 7.107  | 83   | 7049     | 0.452 | ug/l #  | 98       |

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 Sample : VSTDICC0.5  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

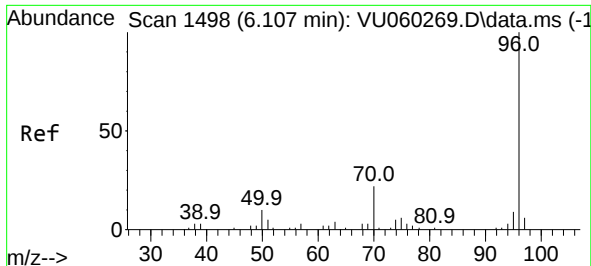
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Jul 31 04:33:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U073024DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Jul 31 04:32:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.801  | 43   | 13849    | 2.110 | ug/l   | 91       |
| 46) t-1,4-Dichloro-2-butene   | 10.833 | 75   | 2231m    | 0.812 | ug/l   |          |
| 47) Methyl methacrylate       | 6.975  | 69   | 4773     | 0.838 | ug/l   | 87       |
| 48) Ethyl methacrylate        | 8.338  | 69   | 3688     | 0.615 | ug/l   | 90       |
| 49) Toluene                   | 7.968  | 92   | 10587    | 0.403 | ug/l   | 99       |
| 50) t-1,3-Dichloropropene     | 8.213  | 75   | 5560     | 0.423 | ug/l   | 99       |
| 51) cis-1,3-Dichloropropene   | 7.608  | 75   | 6687     | 0.427 | ug/l   | 95       |
| 52) 1,1,2-Trichloroethane     | 8.399  | 97   | 4485     | 0.476 | ug/l   | 88       |
| 53) 1,3-Dichloropropane       | 8.576  | 76   | 6792     | 0.438 | ug/l   | 95       |
| 54) 2-Hexanone                | 8.692  | 43   | 10565    | 2.157 | ug/l   | 97       |
| 55) Dibromochloromethane      | 8.807  | 129  | 4721     | 0.456 | ug/l   | 100      |
| 56) 1,2-Dibromoethane         | 8.923  | 107  | 3695     | 0.435 | ug/l   | 87       |
| 58) Tetrachloroethene         | 8.547  | 164  | 4959     | 0.448 | ug/l   | 94       |
| 59) Chlorobenzene             | 9.444  | 112  | 12184    | 0.432 | ug/l   | 98       |
| 60) 1,1,1,2-Tetrachloroethane | 9.531  | 131  | 4948     | 0.456 | ug/l   | 98       |
| 61) Pentachloroethane         | 11.421 | 117  | 3974     | 0.462 | ug/l   | 93       |
| 62) Hexachloroethane          | 12.470 | 117  | 3902     | 0.456 | ug/l   | 99       |
| 63) Ethyl Benzene             | 9.569  | 91   | 16615    | 0.629 | ug/l   | 94       |
| 64) m/p-Xylenes               | 9.692  | 106  | 12622    | 1.327 | ug/l   | 89       |
| 65) o-Xylene                  | 10.097 | 106  | 6697     | 0.636 | ug/l   | 85       |
| 66) Styrene                   | 10.113 | 104  | 9321     | 0.657 | ug/l   | 97       |
| 67) Bromoform                 | 10.290 | 173  | 2901     | 0.476 | ug/l # | 89       |
| 69) Isopropylbenzene          | 10.483 | 105  | 15435    | 0.598 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 5591     | 0.443 | ug/l # | 91       |
| 71) 1,2,3-Trichloropropane    | 10.820 | 75   | 4034m    | 0.441 | ug/l   |          |
| 72) Bromobenzene              | 10.782 | 156  | 4876     | 0.426 | ug/l   | 97       |
| 73) n-propylbenzene           | 10.904 | 120  | 4228     | 0.625 | ug/l   | 86       |
| 74) 2-Chlorotoluene           | 10.984 | 126  | 4563     | 0.399 | ug/l   | 82       |
| 75) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 12283    | 0.635 | ug/l   | 97       |
| 76) 4-Chlorotoluene           | 11.100 | 126  | 4428     | 0.655 | ug/l   | 77       |
| 77) tert-Butylbenzene         | 11.415 | 119  | 12556    | 0.550 | ug/l   | 96       |
| 78) 1,2,4-Trimethylbenzene    | 11.466 | 105  | 10653    | 0.642 | ug/l   | 95       |
| 79) sec-Butylbenzene          | 11.640 | 105  | 15714    | 0.588 | ug/l   | 97       |
| 80) Nitrobenzene              | 13.238 | 77   | 1535m    | 2.613 | ug/l   |          |
| 81) p-Isopropyltoluene        | 11.791 | 119  | 12318    | 0.647 | ug/l   | 96       |
| 82) 1,3-Dichlorobenzene       | 11.743 | 146  | 9285     | 0.401 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.836 | 146  | 9303m    | 0.407 | ug/l   |          |
| 84) n-Butylbenzene            | 12.206 | 91   | 11746    | 0.617 | ug/l   | 98       |
| 85) 1,2-Dichlorobenzene       | 12.209 | 146  | 9185     | 0.409 | ug/l   | 97       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.997 | 75   | 879      | 0.493 | ug/l # | 78       |
| 87) 1,2,4-Trichlorobenzene    | 13.846 | 180  | 4757     | 0.404 | ug/l   | 96       |
| 88) Hexachlorobutadiene       | 14.016 | 225  | 3557     | 0.459 | ug/l   | 94       |
| 89) Naphthalene               | 14.093 | 128  | 7580     | 0.520 | ug/l # | 94       |
| 90) 1,2,3-Trichlorobenzene    | 14.331 | 180  | 4201     | 0.572 | ug/l   | 96       |

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

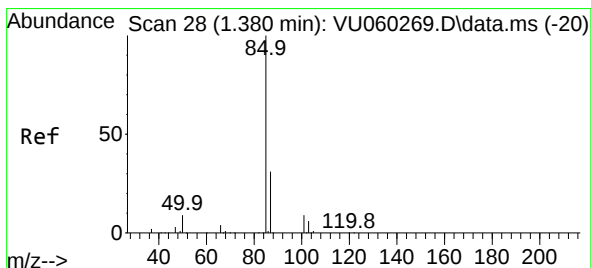
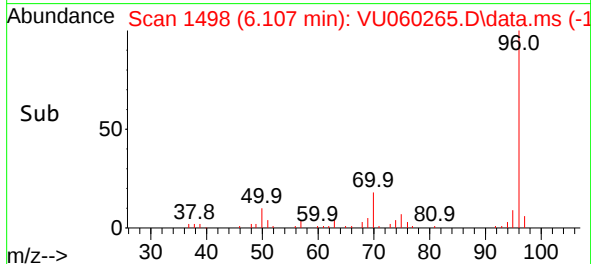
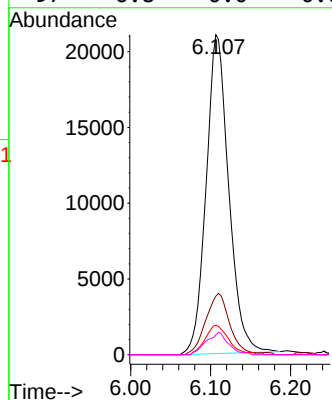
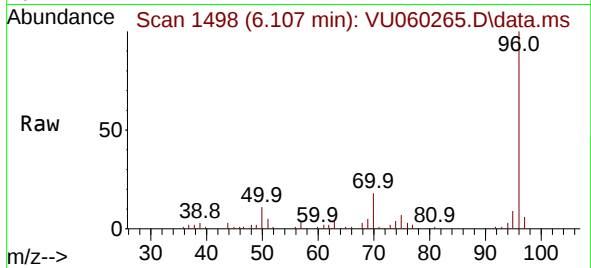




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.107 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

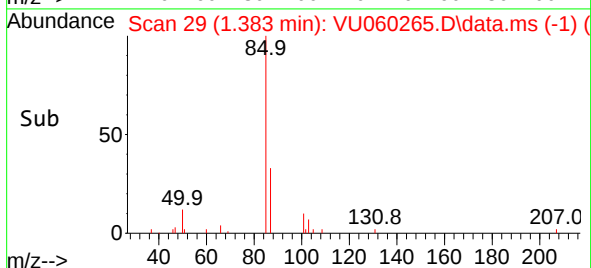
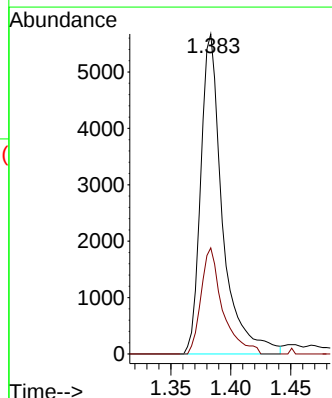
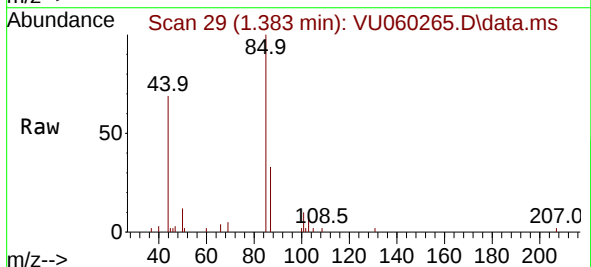
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

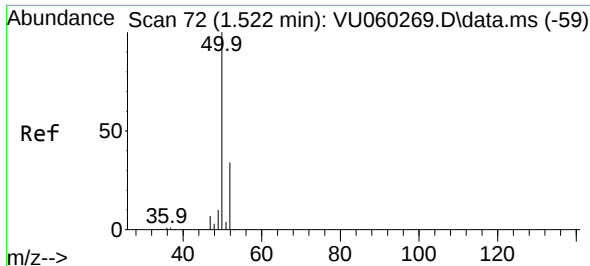
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 41385 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 19.5     | 17.0 25.4   |
| 95 9.6      | 7.6 11.4    |
| 97 6.8      | 0.0 0.0     |



#2  
Dichlorodifluoromethane  
Concen: 0.484 ug/l  
RT: 1.383 min Scan# 29  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

|             |             |
|-------------|-------------|
| Tgt Ion: 85 | Resp: 7179  |
| Ion Ratio   | Lower Upper |
| 85 100      |             |
| 87 33.2     | 15.7 47.1   |

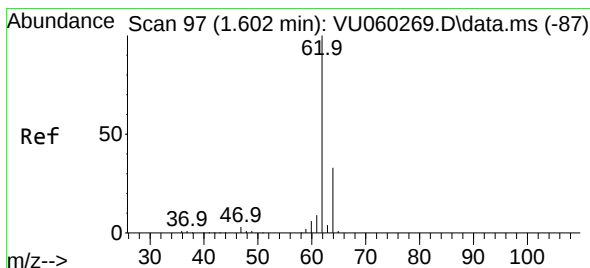
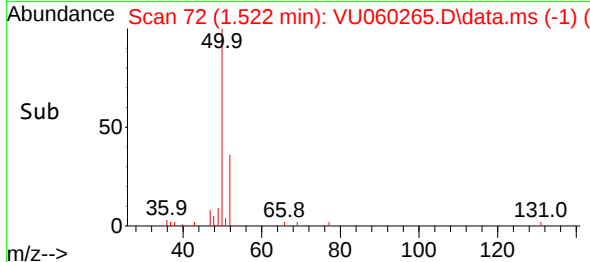
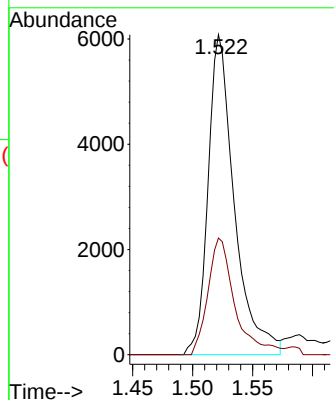
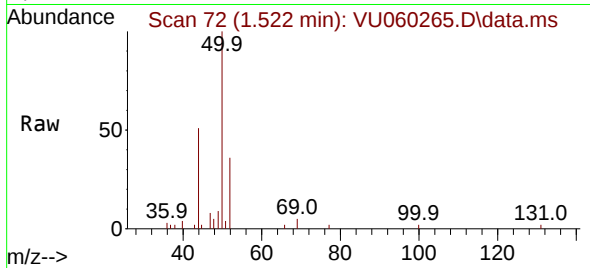




#3  
Chloromethane  
Concen: 0.519 ug/l  
RT: 1.522 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

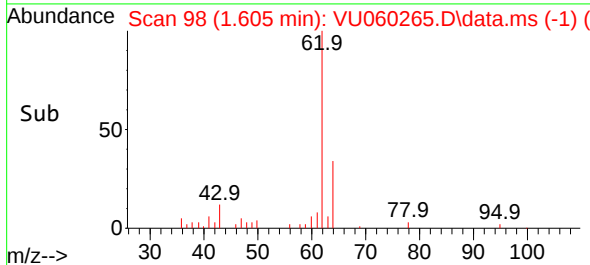
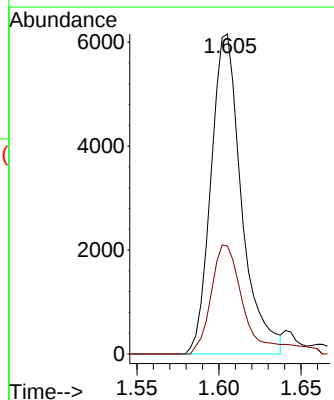
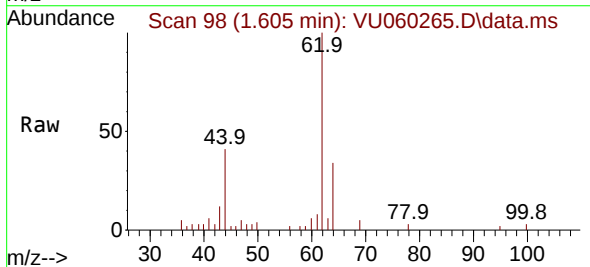
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

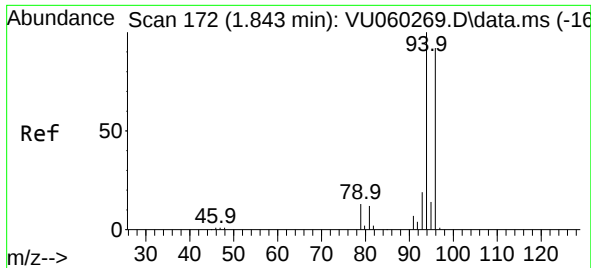
Tgt Ion: 50 Resp: 9263  
Ion Ratio Lower Upper  
50 100  
52 36.5 27.2 40.8



#4  
Vinyl Chloride  
Concen: 0.461 ug/l  
RT: 1.605 min Scan# 98  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 62 Resp: 7967  
Ion Ratio Lower Upper  
62 100  
64 33.8 26.2 39.2

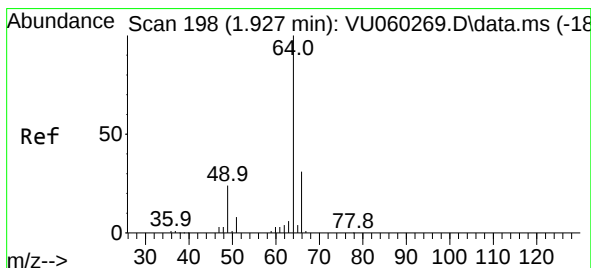
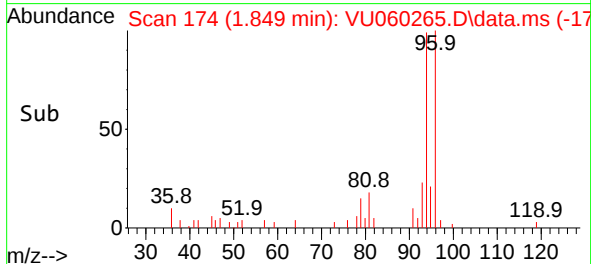
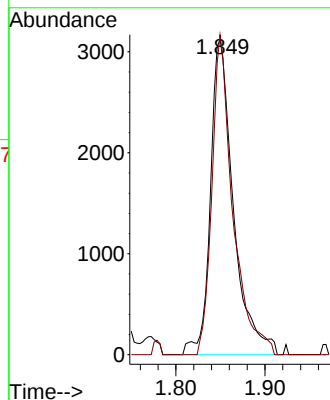
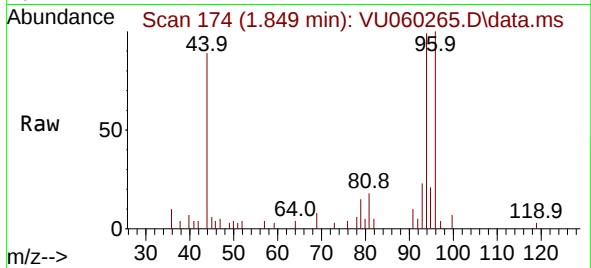




#5  
Bromomethane  
Concen: 0.534 ug/l  
RT: 1.849 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

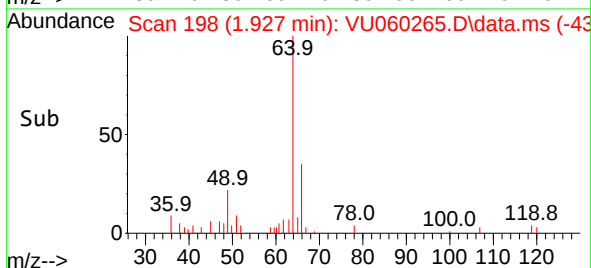
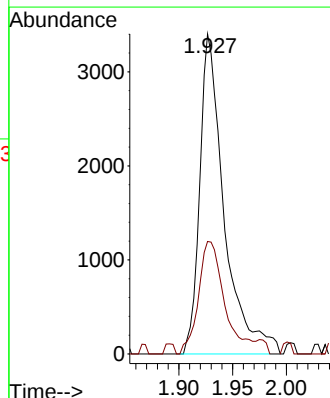
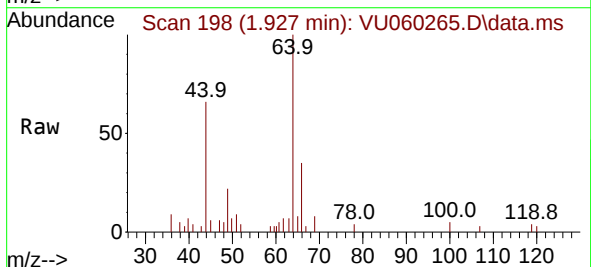
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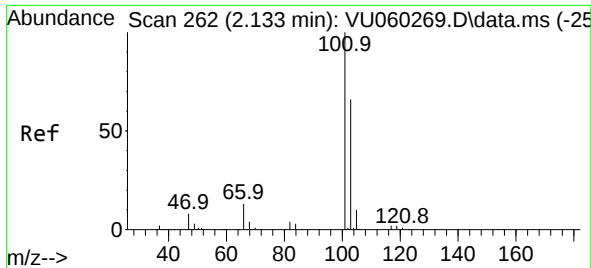
Tgt Ion: 94 Resp: 5606  
Ion Ratio Lower Upper  
94 100  
96 101.4 73.8 110.8



#6  
Chloroethane  
Concen: 0.517 ug/l  
RT: 1.927 min Scan# 198  
Delta R.T. -0.000 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 64 Resp: 5363  
Ion Ratio Lower Upper  
64 100  
66 35.1 25.0 37.6

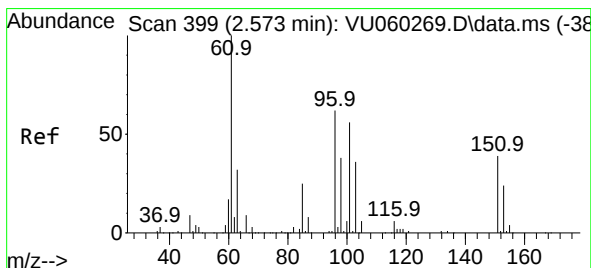
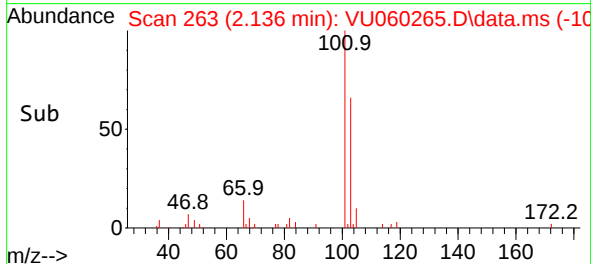
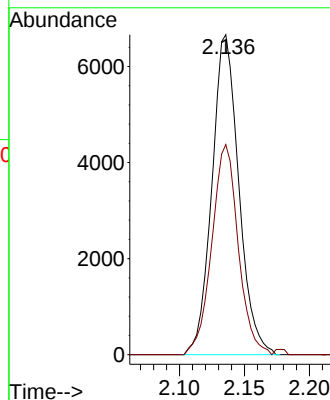
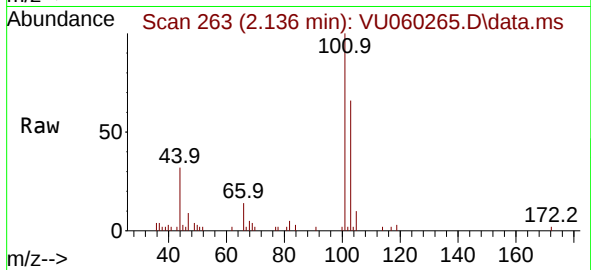




#7  
 Trichlorofluoromethane  
 Concen: 0.491 ug/l  
 RT: 2.136 min Scan# 2  
 Delta R.T. 0.003 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

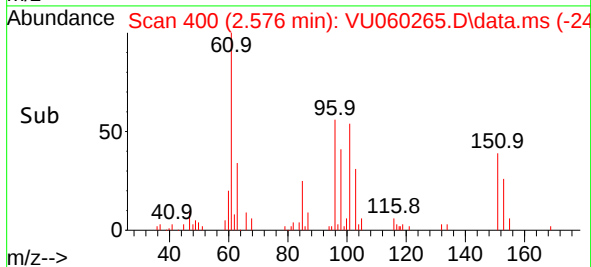
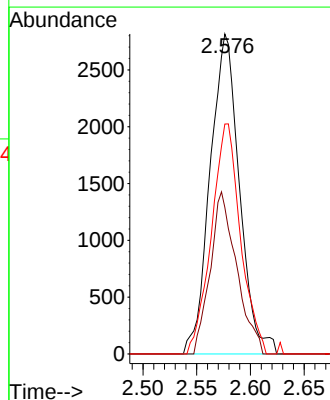
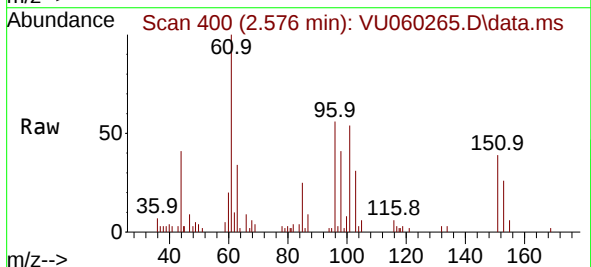
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

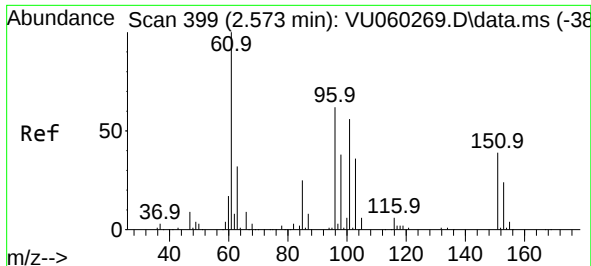
Tgt Ion:101 Resp: 9576  
 Ion Ratio Lower Upper  
 101 100  
 103 65.6 52.6 78.8



#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.490 ug/l  
 RT: 2.576 min Scan# 400  
 Delta R.T. 0.003 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

Tgt Ion:101 Resp: 5345  
 Ion Ratio Lower Upper  
 101 100  
 85 45.6 35.7 53.5  
 151 71.2 56.0 84.0

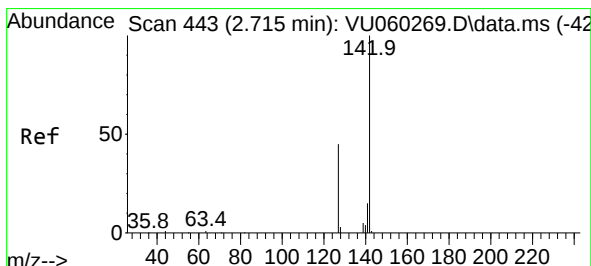
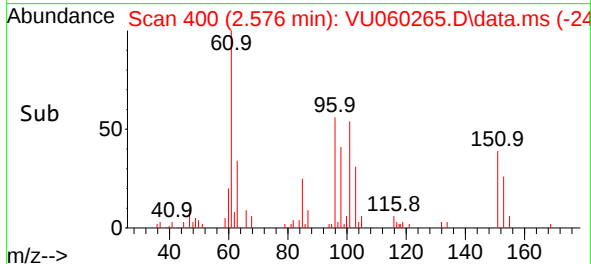
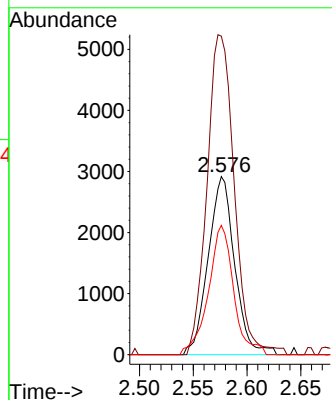
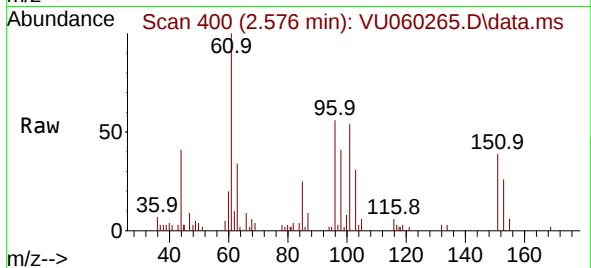




#9  
1,1-Dichloroethene  
Concen: 0.450 ug/l  
RT: 2.576 min Scan# 400  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

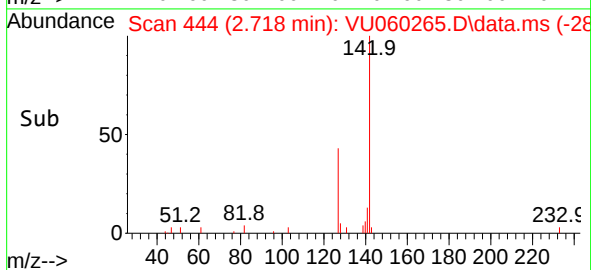
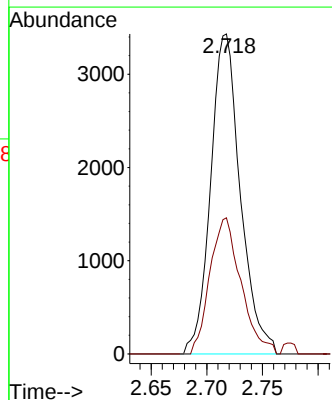
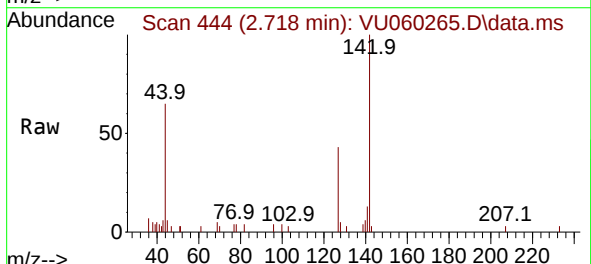
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

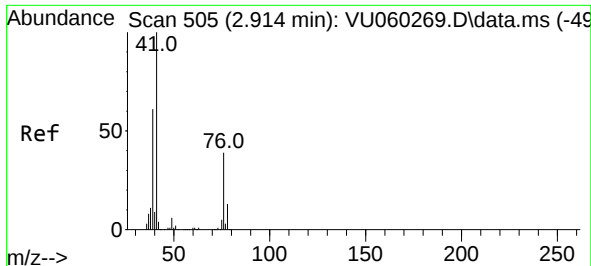
Tgt Ion: 96 Resp: 5001  
Ion Ratio Lower Upper  
96 100  
61 178.9 0.0 482.4  
98 72.6 0.0 121.4



#10  
Iodomethane  
Concen: 0.471 ug/l  
RT: 2.718 min Scan# 444  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 142 Resp: 6370  
Ion Ratio Lower Upper  
142 100  
127 44.5 36.1 54.1

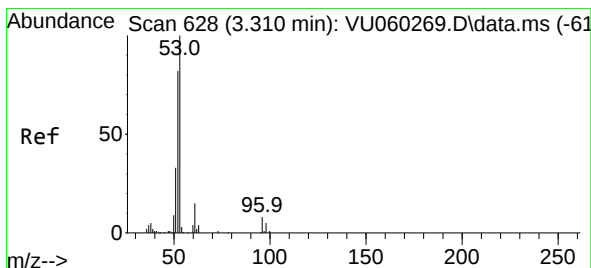
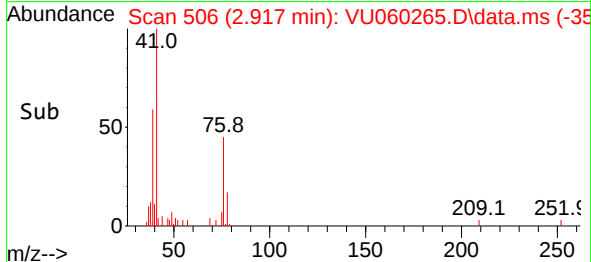
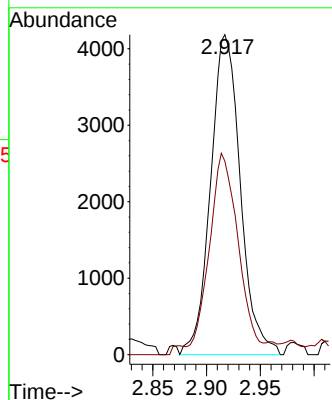
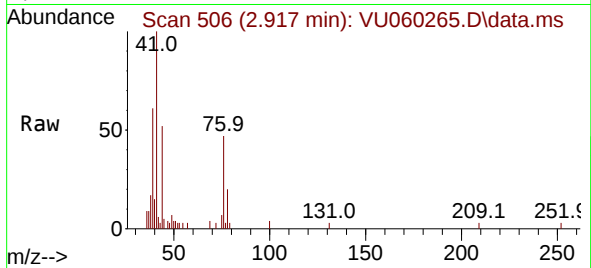




#11  
 Allyl Chloride  
 Concen: 0.502 ug/l  
 RT: 2.917 min Scan# 505  
 Delta R.T. 0.003 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

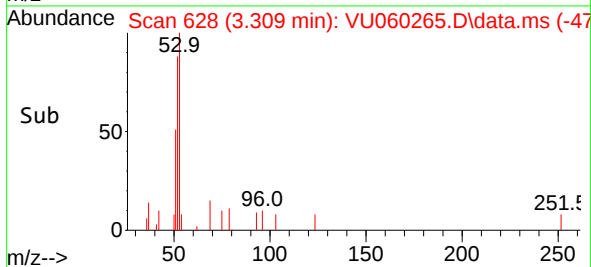
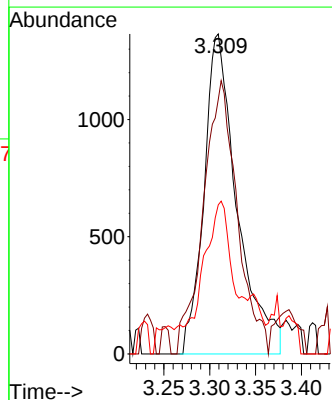
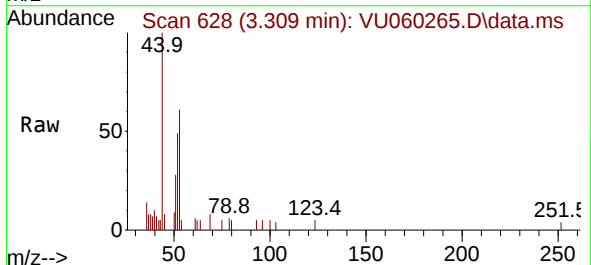
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

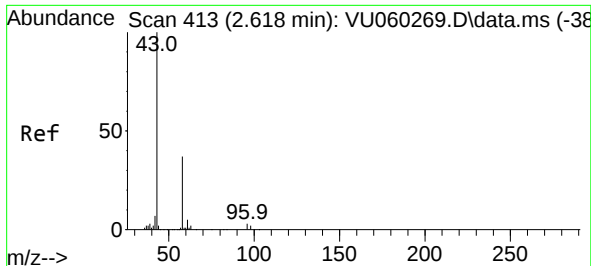
Tgt Ion: 41 Resp: 8062  
 Ion Ratio Lower Upper  
 41 100  
 39 57.6 49.0 73.6



#12  
 Acrylonitrile  
 Concen: 1.095 ug/l  
 RT: 3.309 min Scan# 628  
 Delta R.T. -0.000 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

Tgt Ion: 53 Resp: 3424  
 Ion Ratio Lower Upper  
 53 100  
 52 87.5 62.6 94.0  
 51 29.4 25.8 38.8





#13

Acetone

Concen: 2.685 ug/l

RT: 2.621 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

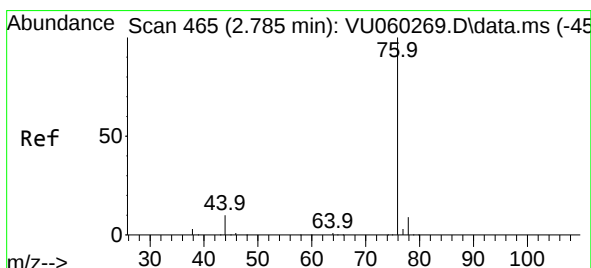
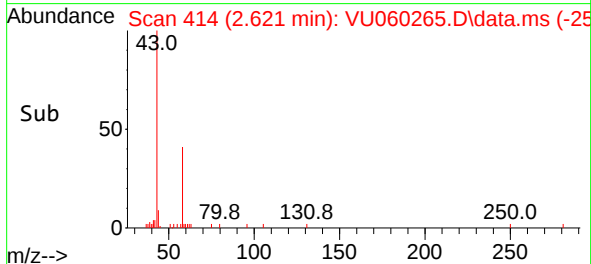
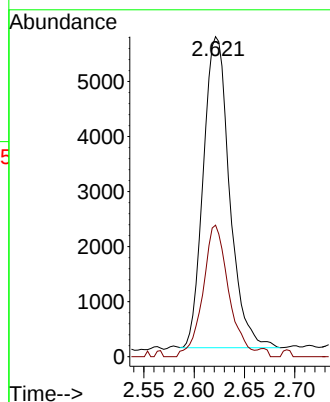
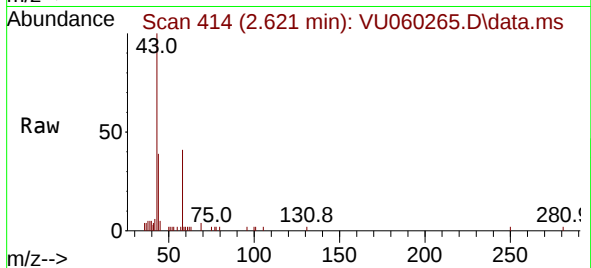
VSTDICC0.5

Tgt Ion: 43 Resp: 10249

Ion Ratio Lower Upper

43 100

58 42.3 29.6 44.4



#14

Carbon Disulfide

Concen: 0.470 ug/l

RT: 2.788 min Scan# 466

Delta R.T. 0.003 min

Lab File: VU060265.D

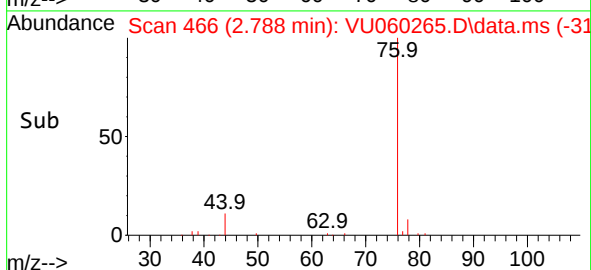
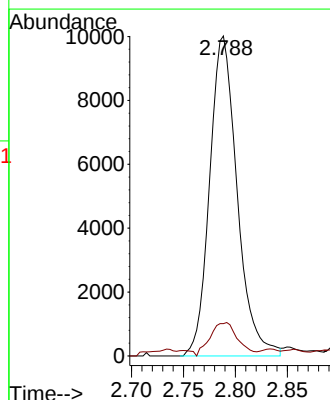
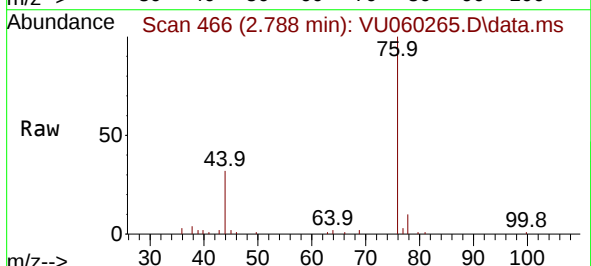
Acq: 30 Jul 2024 15:11

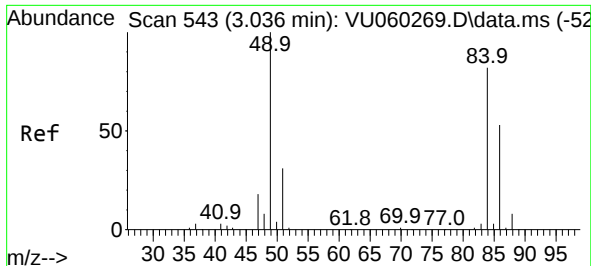
Tgt Ion: 76 Resp: 18451

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0

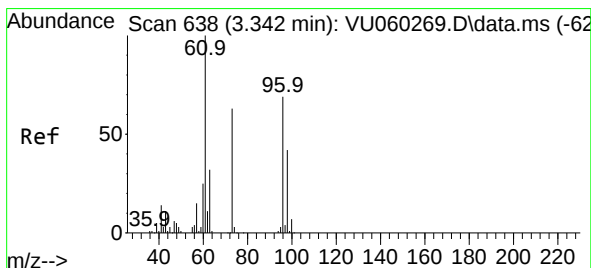
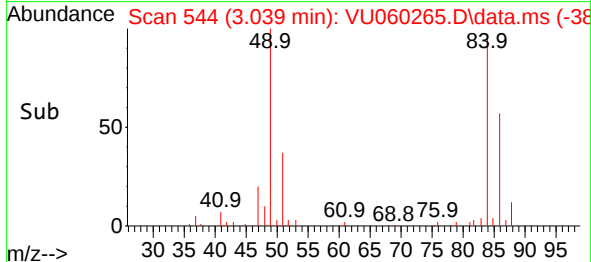
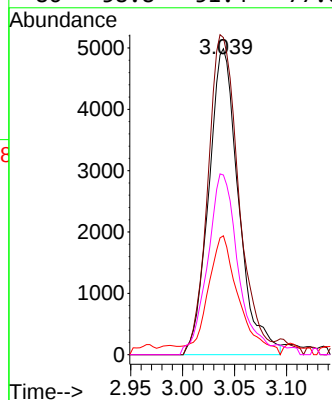
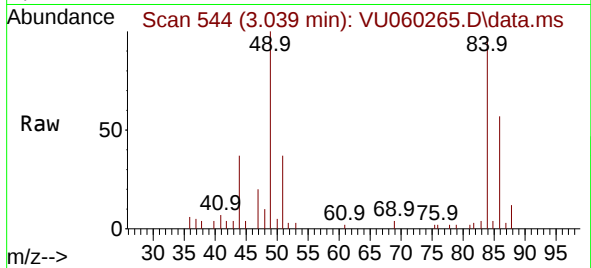




#15  
Methylene Chloride  
Concen: 0.643 ug/l  
RT: 3.039 min Scan# 543  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

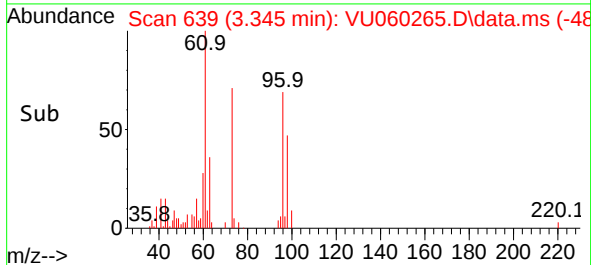
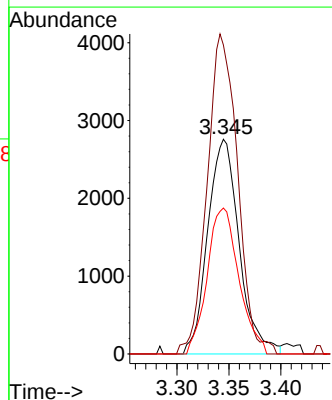
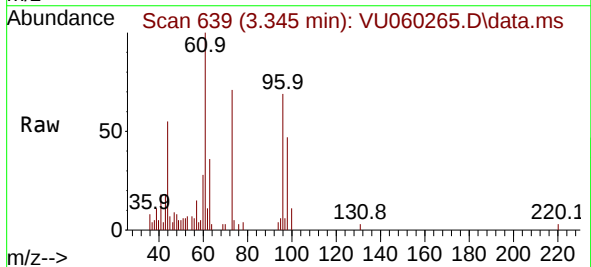
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

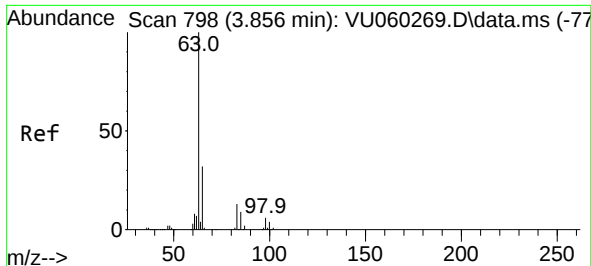
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 9974  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 100.7    | 97.1 145.7  |
| 51 38.9     | 0.0 74.6    |
| 86 58.8     | 51.4 77.0   |



#16  
trans-1,2-Dichloroethene  
Concen: 0.474 ug/l  
RT: 3.345 min Scan# 639  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 96 | Resp: 5813 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 96 100      |            |       |  |
| 61 143.9    | 116.2      | 174.4 |  |
| 98 68.0     | 49.2       | 73.8  |  |

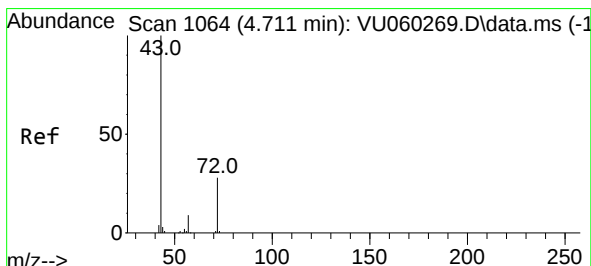
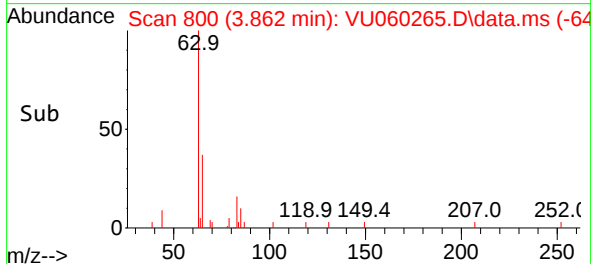
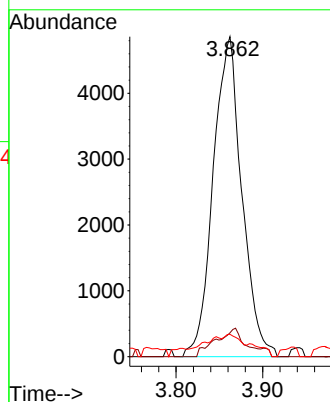
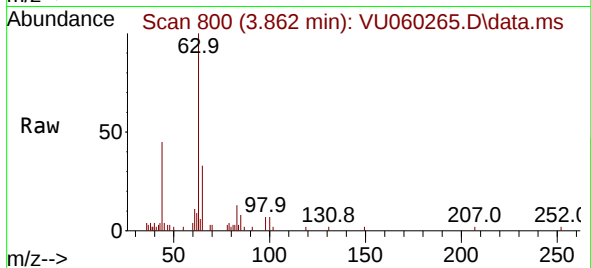




#17  
 1,1-Dichloroethane  
 Concen: 0.475 ug/l  
 RT: 3.862 min Scan# 80  
 Delta R.T. 0.006 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

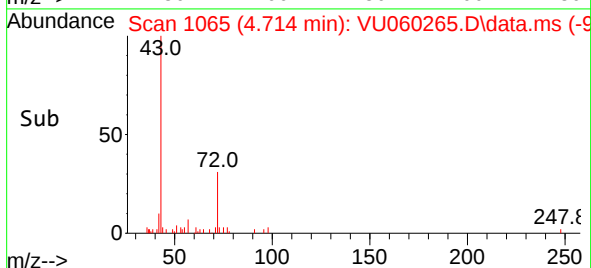
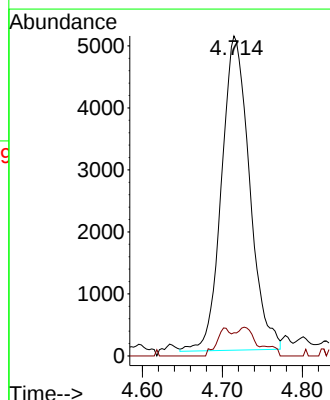
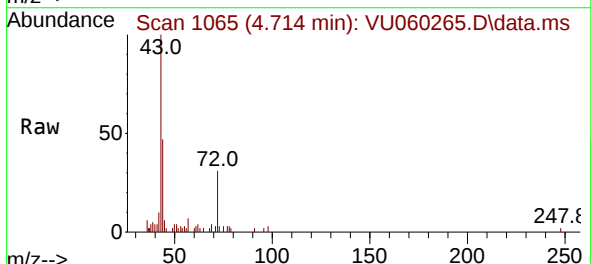
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

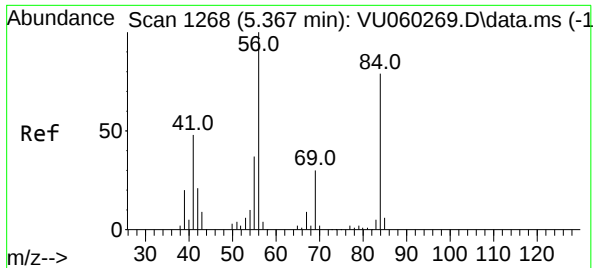
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 11173 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 98 7.4      | 3.1 9.3     |
| 100 5.0     | 1.8 5.5     |



#18  
 2-Butanone  
 Concen: 2.846 ug/l  
 RT: 4.714 min Scan# 1065  
 Delta R.T. 0.003 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 12320 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 57 7.4      | 0.0 18.2    |





#19

Cyclohexane

Concen: 0.485 ug/l m

RT: 5.370 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

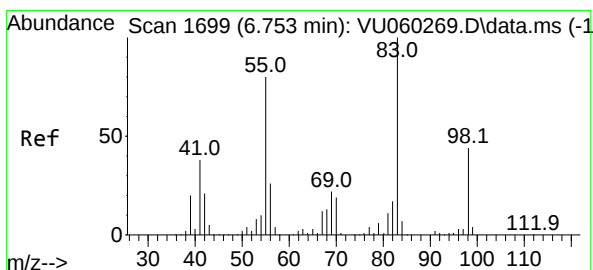
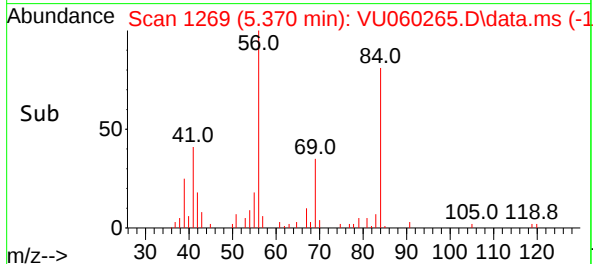
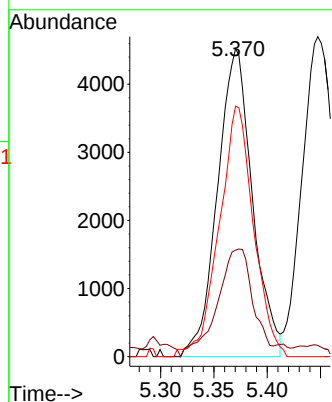
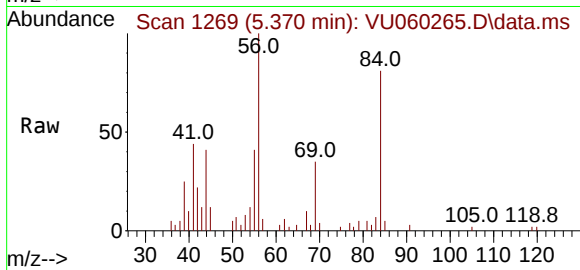
Tgt Ion: 56 Resp: 10302

Ion Ratio Lower Upper

56 100

69 31.8 24.1 36.1

84 79.9 63.7 95.5



#20

Methylcyclohexane

Concen: 0.433 ug/l

RT: 6.753 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

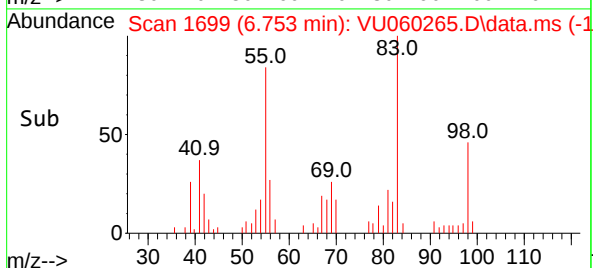
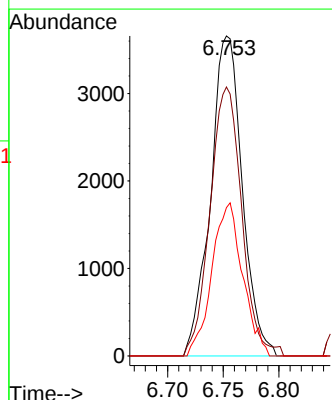
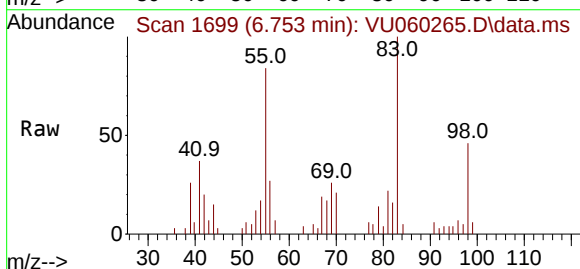
Tgt Ion: 83 Resp: 7255

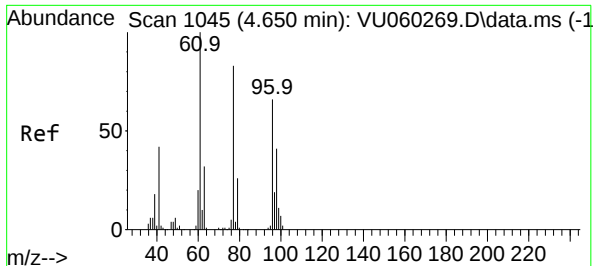
Ion Ratio Lower Upper

83 100

55 83.8 64.2 96.2

98 46.4 35.6 53.4

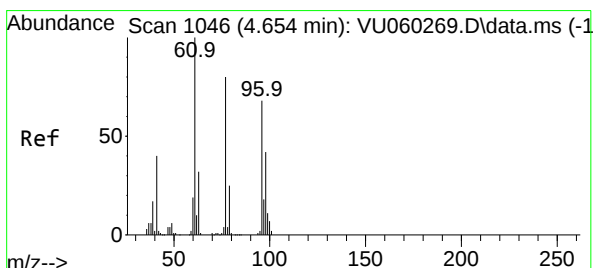
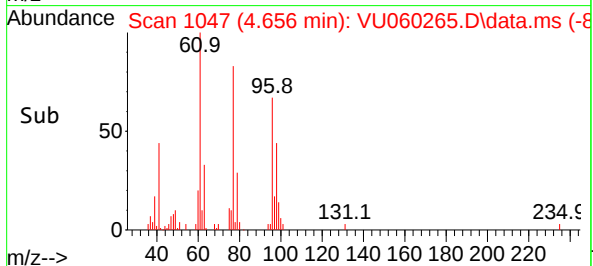
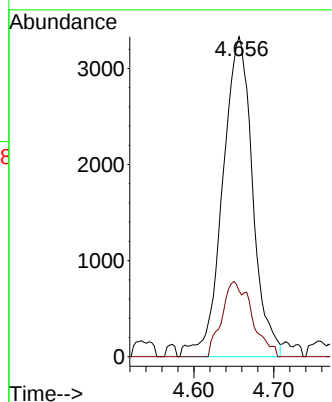
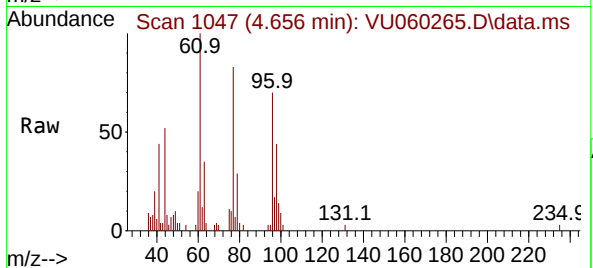




#21  
2,2-Dichloropropane  
Concen: 0.496 ug/l  
RT: 4.656 min Scan# 1047  
Delta R.T. 0.006 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

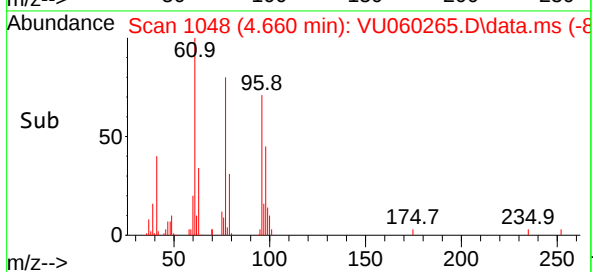
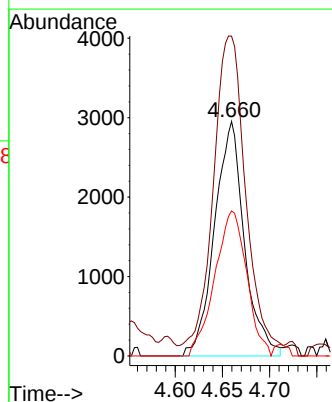
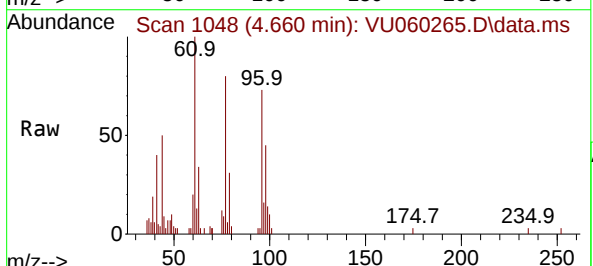
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

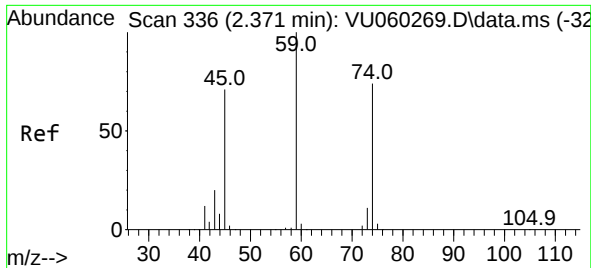
Tgt Ion: 77 Resp: 8668  
Ion Ratio Lower Upper  
77 100  
97 23.7 18.2 27.4



#22  
cis-1,2-Dichloroethene  
Concen: 0.491 ug/l  
RT: 4.660 min Scan# 1048  
Delta R.T. 0.006 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 96 Resp: 6475  
Ion Ratio Lower Upper  
96 100  
61 137.3 0.0 375.0  
98 66.3 31.9 95.5

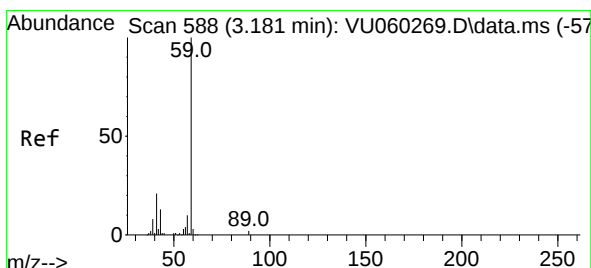
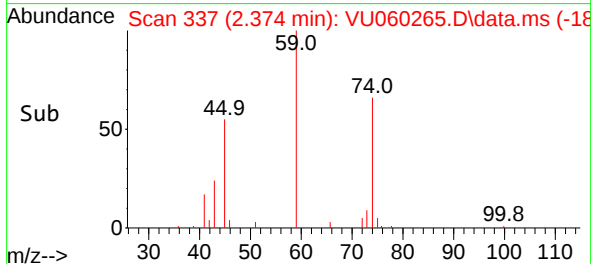
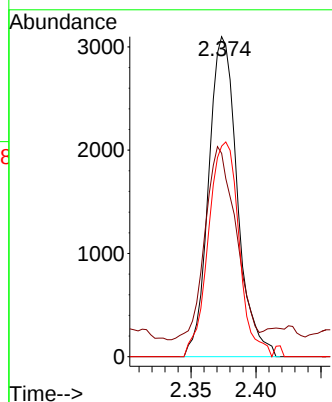
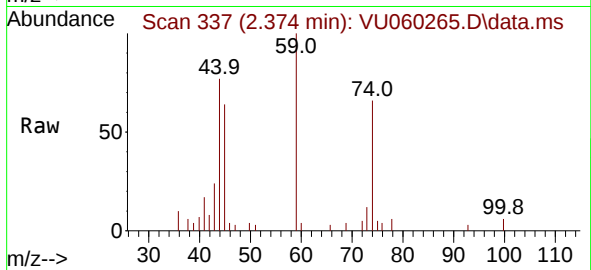




#23  
Diethyl Ether  
Concen: 0.500 ug/l  
RT: 2.374 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

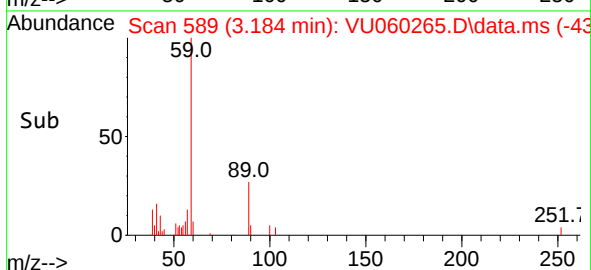
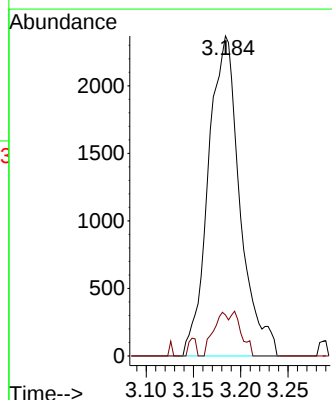
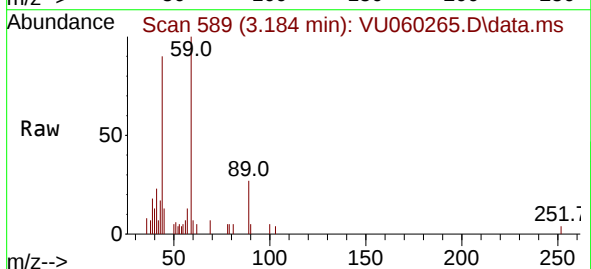
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

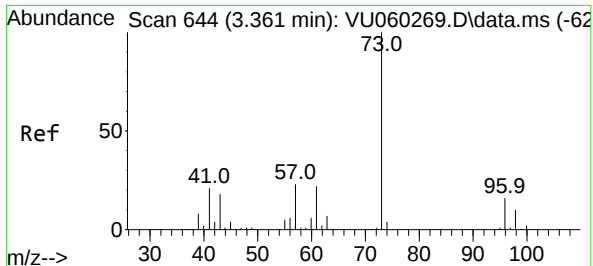
Tgt Ion: 59 Resp: 4755  
Ion Ratio Lower Upper  
59 100  
45 65.9 55.8 83.8  
74 71.7 59.0 88.6



#24  
tert-Butyl Alcohol  
Concen: 5.048 ug/l  
RT: 3.184 min Scan# 589  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 59 Resp: 5499  
Ion Ratio Lower Upper  
59 100  
57 6.6 7.8 11.8#

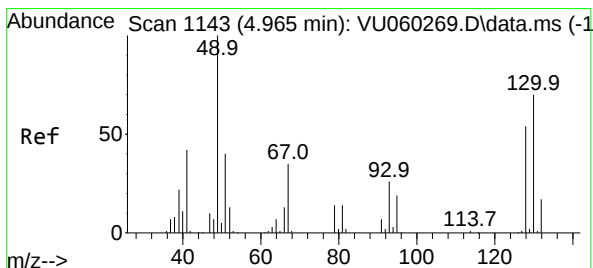
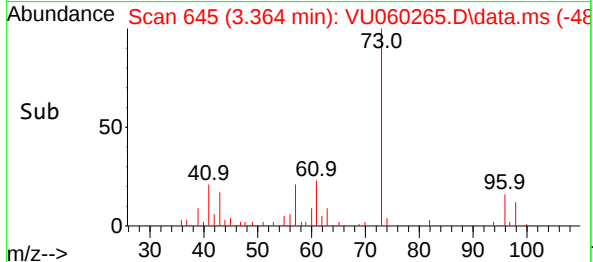
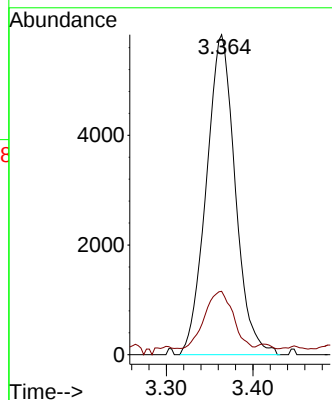
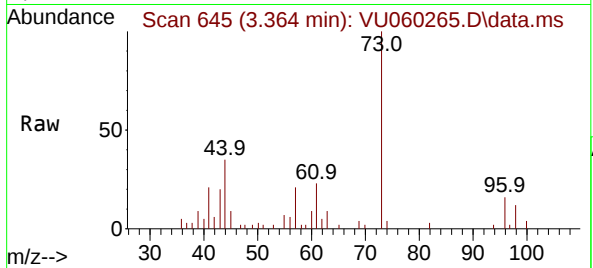




#25  
Methyl tert-Butyl Ether  
Concen: 0.474 ug/l  
RT: 3.364 min Scan# 644  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

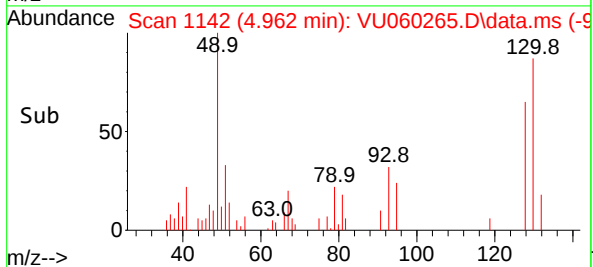
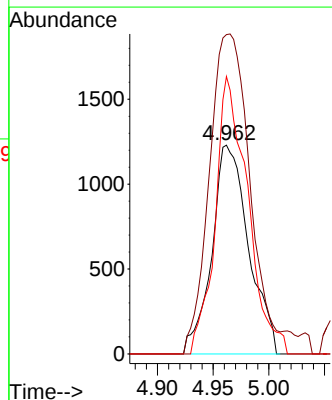
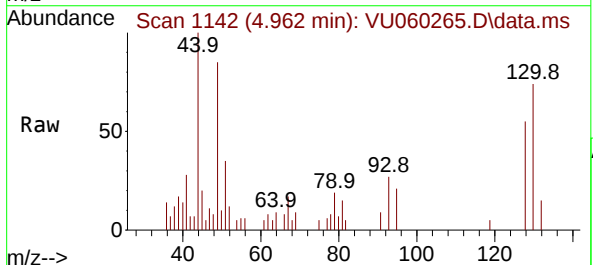
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

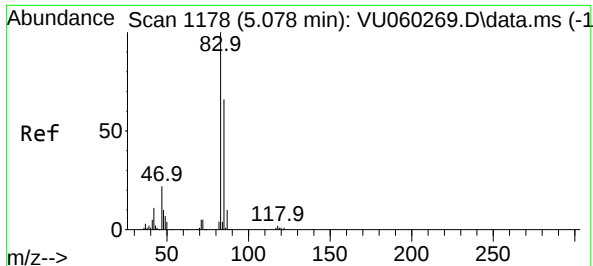
Tgt Ion: 73 Resp: 13532  
Ion Ratio Lower Upper  
73 100  
43 20.2 14.2 21.4



#26  
Bromochloromethane  
Concen: 0.532 ug/l  
RT: 4.962 min Scan# 1142  
Delta R.T. -0.004 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 128 Resp: 2824  
Ion Ratio Lower Upper  
128 100  
49 172.5 0.0 372.2  
130 117.5 101.0 151.6





#27

Chloroform

Concen: 0.502 ug/l

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

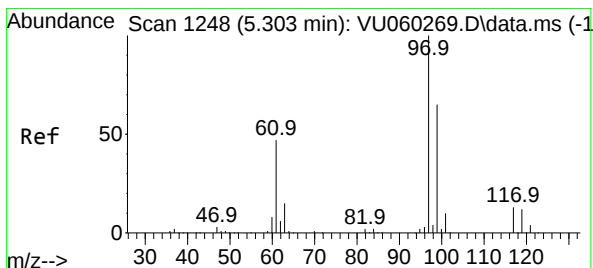
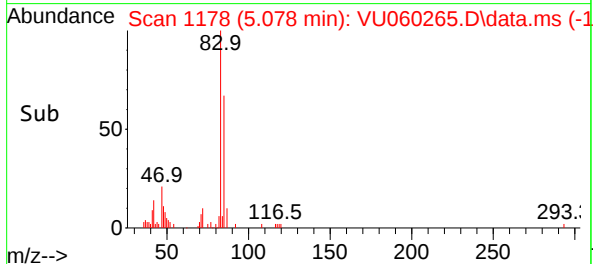
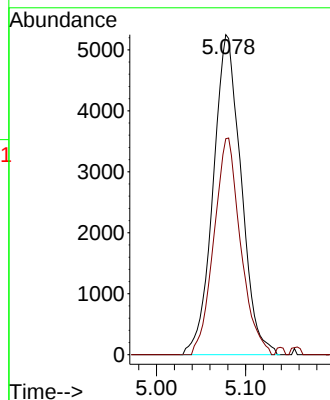
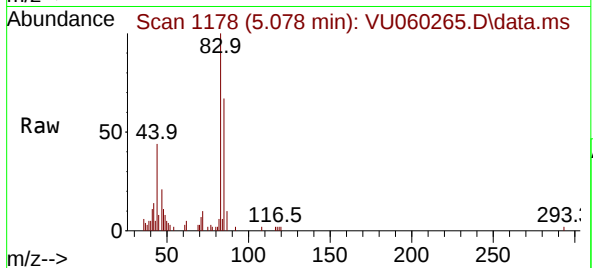
VSTDICC0.5

Tgt Ion: 83 Resp: 11450

Ion Ratio Lower Upper

83 100

85 67.5 0.0 131.4



#28

1,1,1-Trichloroethane

Concen: 0.471 ug/l

RT: 5.303 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

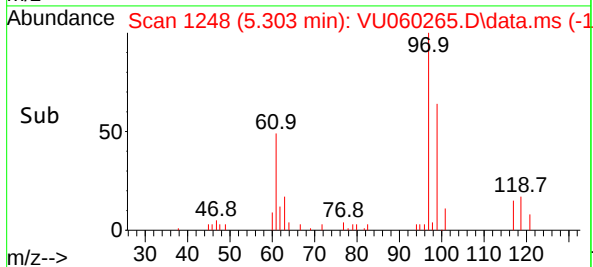
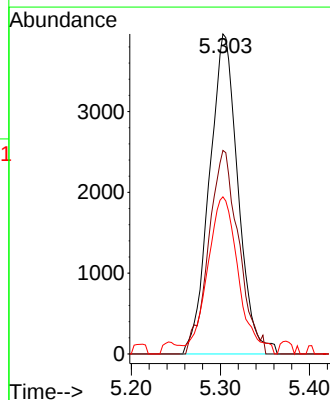
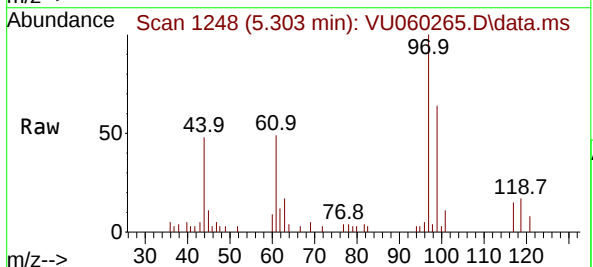
Tgt Ion: 97 Resp: 8844

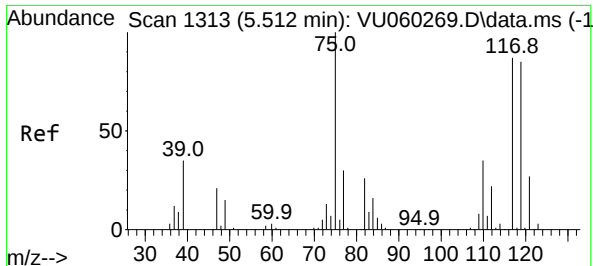
Ion Ratio Lower Upper

97 100

99 66.3 31.9 95.9

61 52.9 23.4 70.0





#29

1,1-Dichloropropene

Concen: 0.459 ug/l

RT: 5.515 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

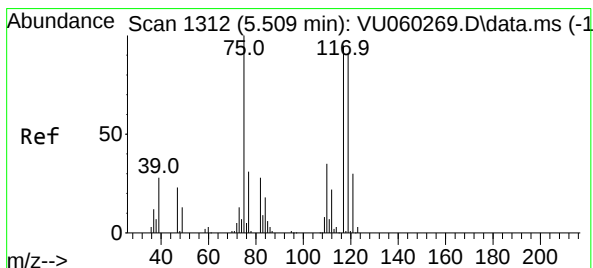
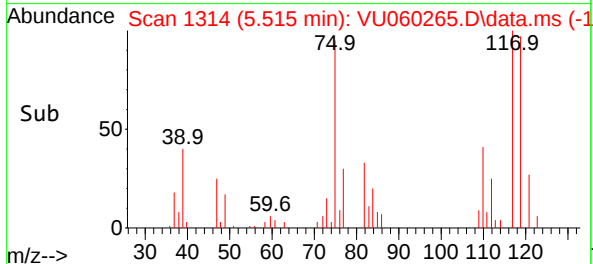
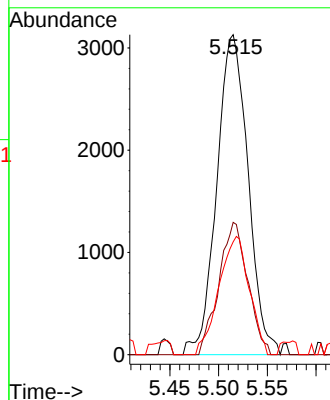
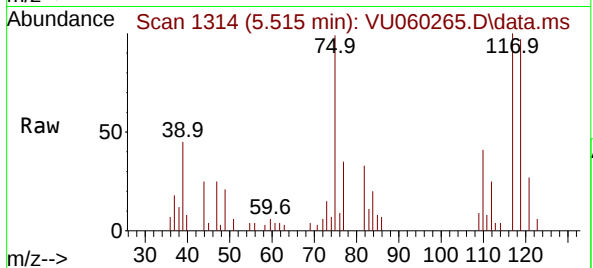
Tgt Ion: 75 Resp: 6991

Ion Ratio Lower Upper

75 100

110 38.3 17.4 52.3

77 35.9 25.1 37.7



#30

Carbon Tetrachloride

Concen: 0.460 ug/l

RT: 5.508 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

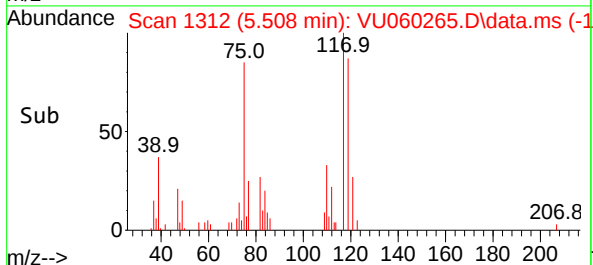
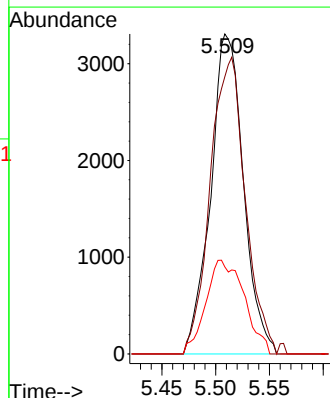
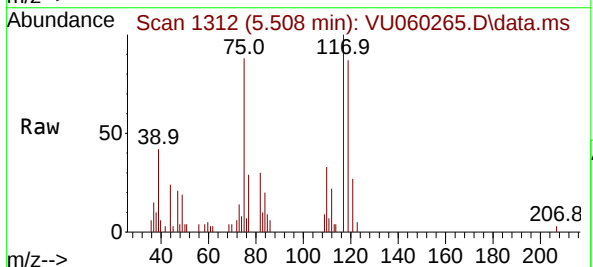
Tgt Ion: 117 Resp: 7015

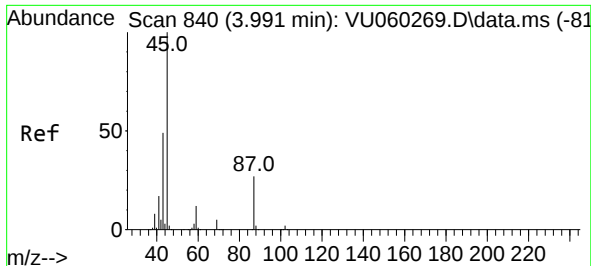
Ion Ratio Lower Upper

117 100

119 86.6 76.7 115.1

121 27.2 25.0 37.4

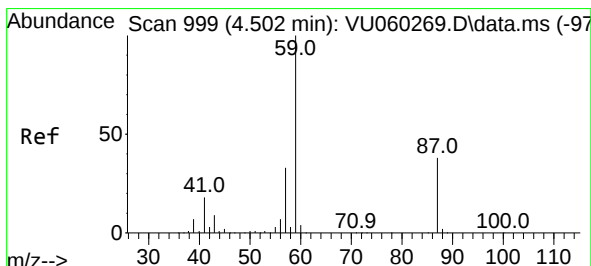
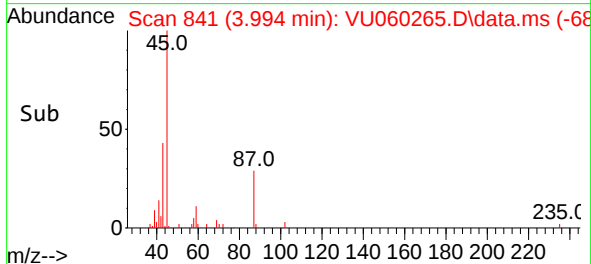
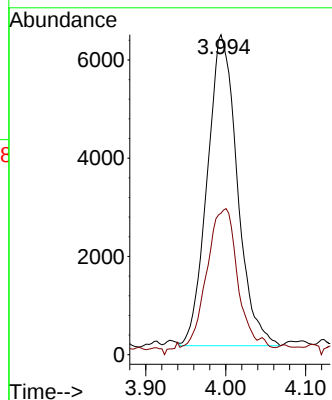
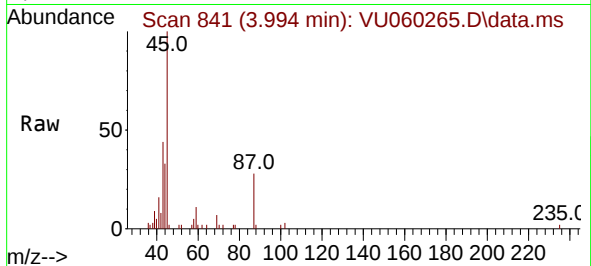




#31  
Isopropyl Ether  
Concen: 0.467 ug/l  
RT: 3.994 min Scan# 841  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

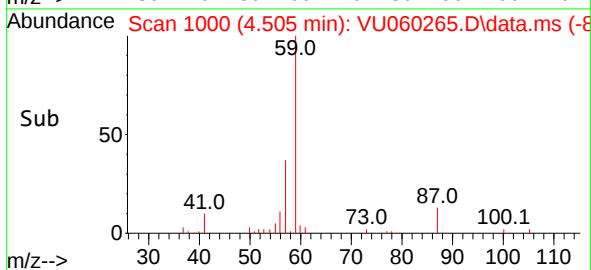
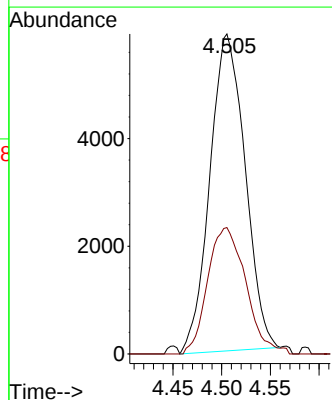
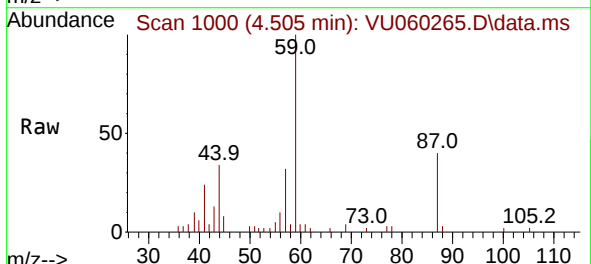
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

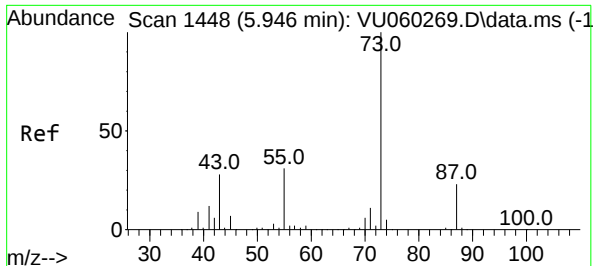
Tgt Ion: 45 Resp: 16533  
Ion Ratio Lower Upper  
45 100  
43 44.6 24.6 74.0



#32  
Ethyl-t-butyl ether  
Concen: 0.447 ug/l  
RT: 4.505 min Scan# 1000  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 59 Resp: 14810  
Ion Ratio Lower Upper  
59 100  
87 43.1 31.0 46.6

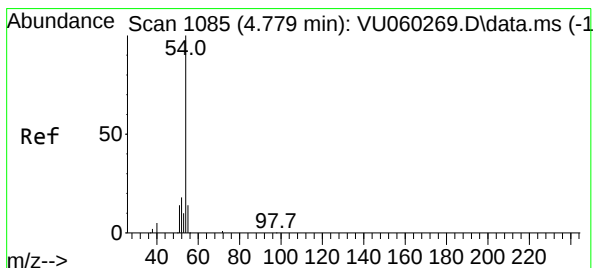
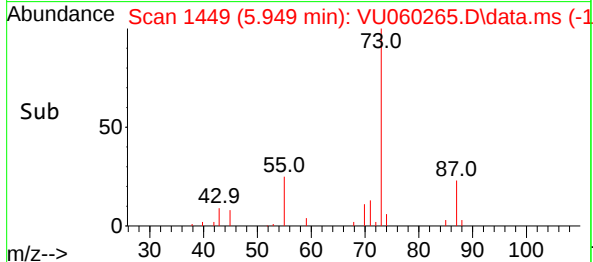
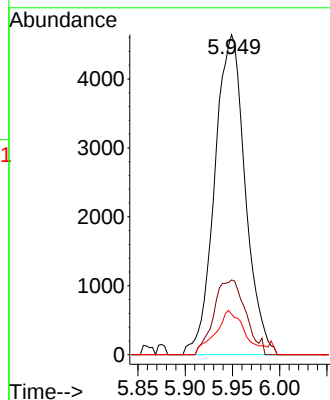
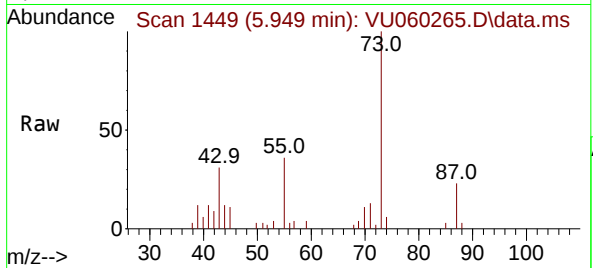




#33  
Tert-Amyl methyl ether  
Concen: 0.439 ug/l  
RT: 5.949 min Scan# 1448  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

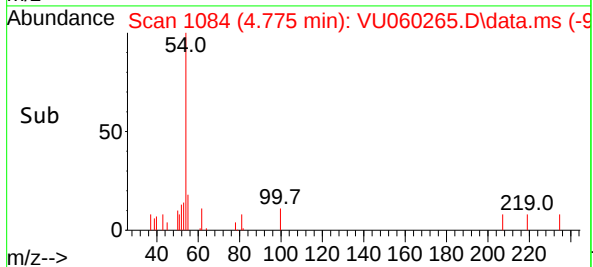
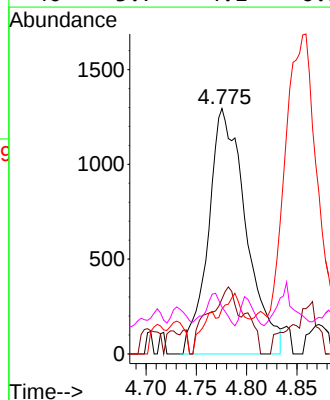
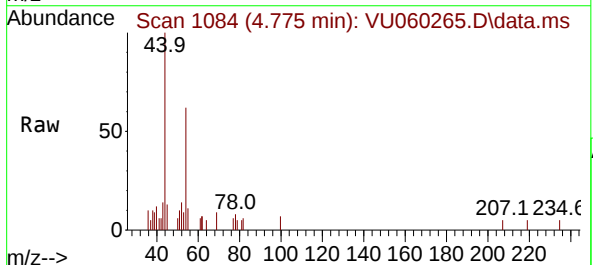
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

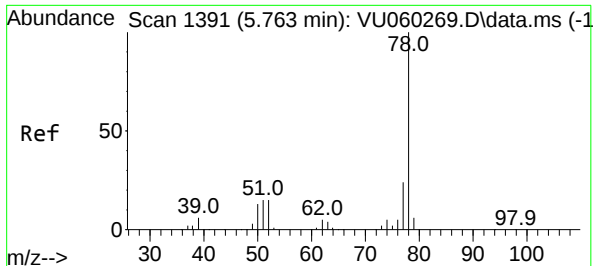
|             |                |
|-------------|----------------|
| Tgt Ion: 73 | Resp: 10418    |
| Ion Ratio   | Lower Upper    |
| 73          | 100            |
| 87          | 24.3 18.7 28.1 |
| 71          | 10.7 9.5 14.3  |



#34  
Propionitrile  
Concen: 2.737 ug/l  
RT: 4.775 min Scan# 1084  
Delta R.T. -0.004 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

|             |                |
|-------------|----------------|
| Tgt Ion: 54 | Resp: 3376     |
| Ion Ratio   | Lower Upper    |
| 54          | 100            |
| 52          | 20.5 15.1 22.7 |
| 55          | 5.1 12.5 18.7# |
| 40          | 3.7 4.1 6.1#   |

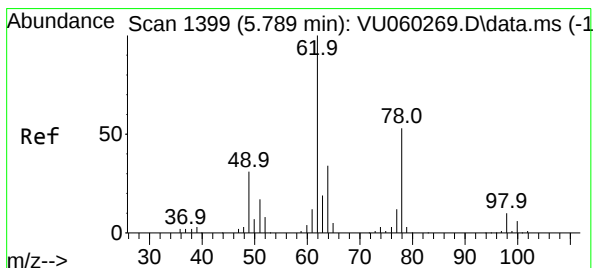
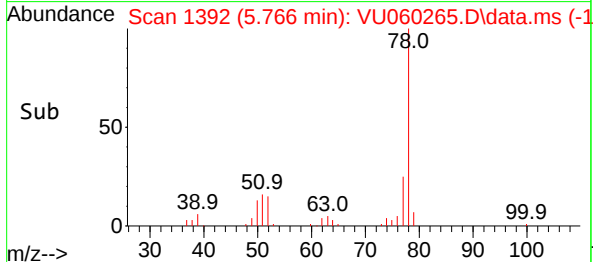
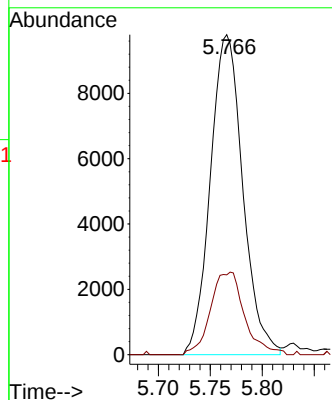
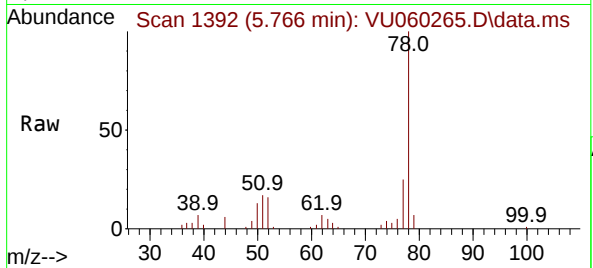




#35  
Benzene  
Concen: 0.449 ug/l  
RT: 5.766 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

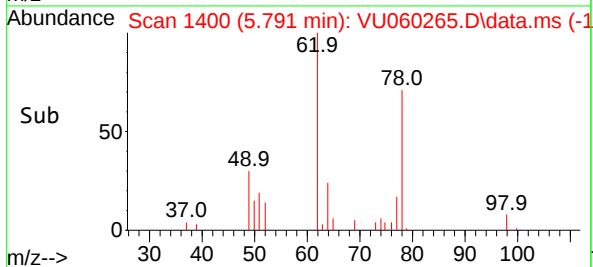
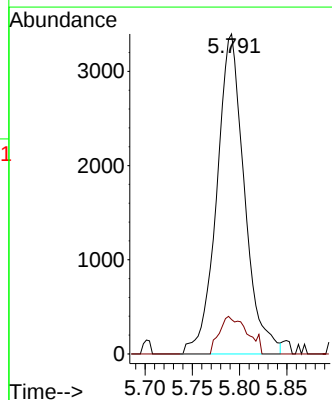
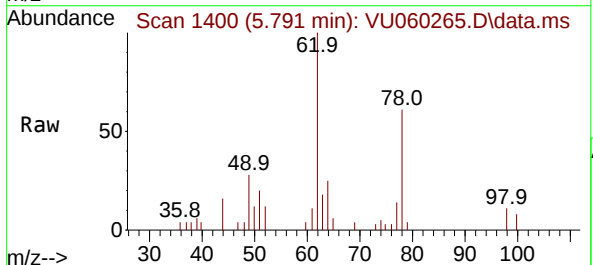
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

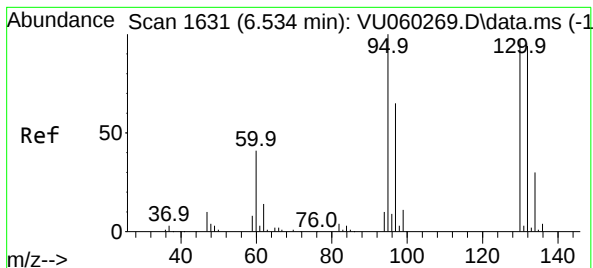
Tgt Ion: 78 Resp: 21256  
Ion Ratio Lower Upper  
78 100  
77 23.6 19.4 29.0



#36  
1,2-Dichloroethane  
Concen: 0.506 ug/l  
RT: 5.791 min Scan# 1400  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 62 Resp: 6914  
Ion Ratio Lower Upper  
62 100  
98 11.8 7.3 10.9#





#37

Trichloroethene

Concen: 0.513 ug/l

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

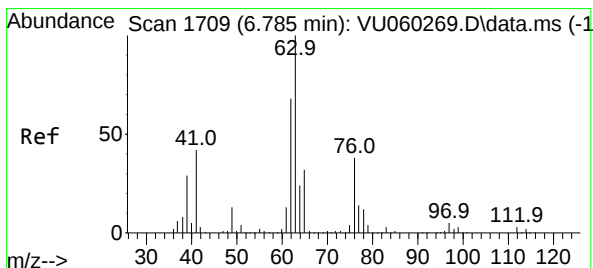
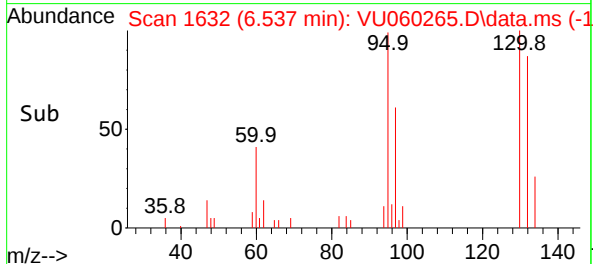
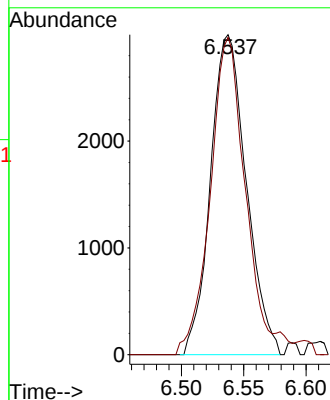
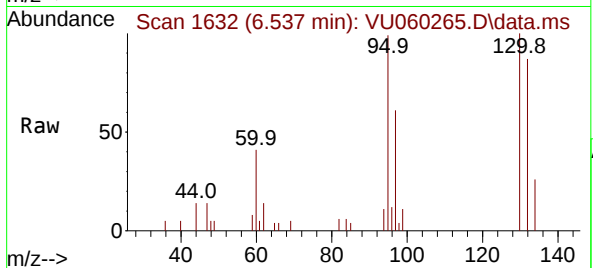
VSTDIC0.5

Tgt Ion:130 Resp: 5992

Ion Ratio Lower Upper

130 100

95 95.4 82.9 124.3



#38

1,2-Dichloropropane

Concen: 0.451 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. 0.003 min

Lab File: VU060265.D

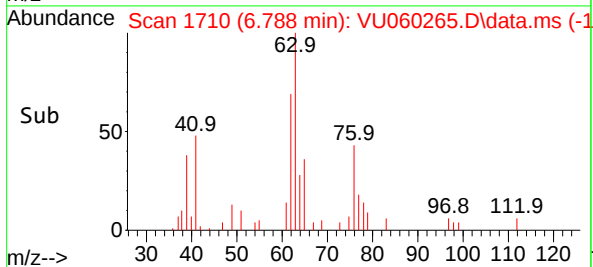
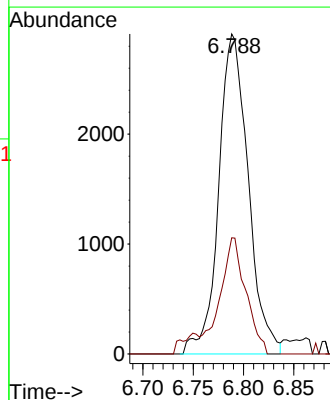
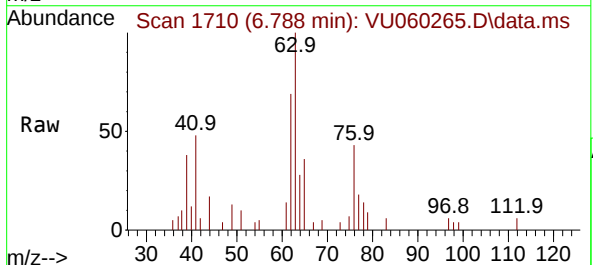
Acq: 30 Jul 2024 15:11

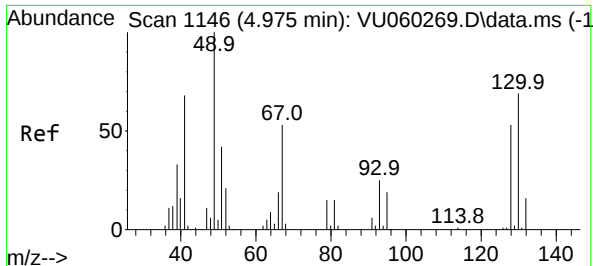
Tgt Ion: 63 Resp: 5945

Ion Ratio Lower Upper

63 100

65 36.3 25.7 38.5





#39

Methacrylonitrile

Concen: 0.573 ug/l

RT: 4.978 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 2713

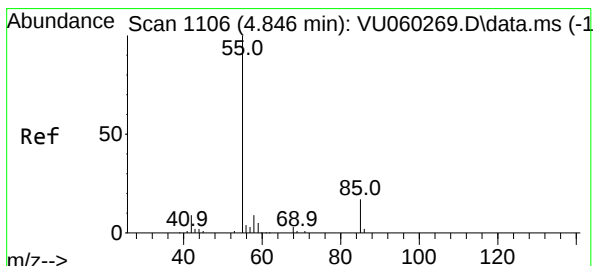
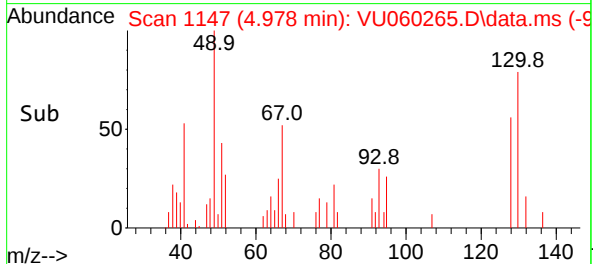
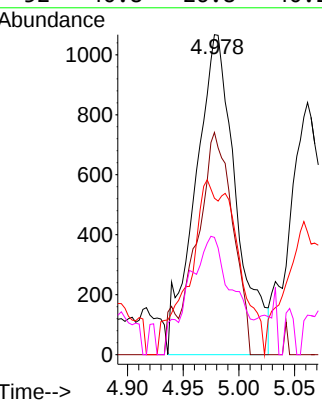
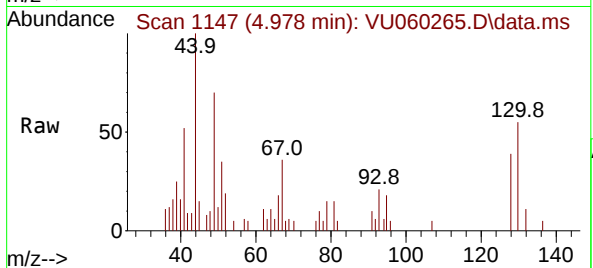
Ion Ratio Lower Upper

41 100

67 59.5 64.1 96.1#

39 38.1 40.2 60.4#

52 40.8 26.8 40.2#



#40

Methyl acrylate

Concen: 0.507 ug/l

RT: 4.859 min Scan# 1110

Delta R.T. 0.013 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Tgt Ion: 55 Resp: 3942

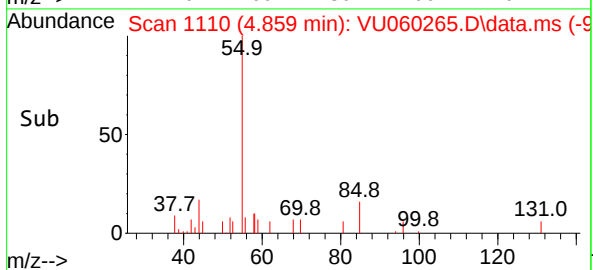
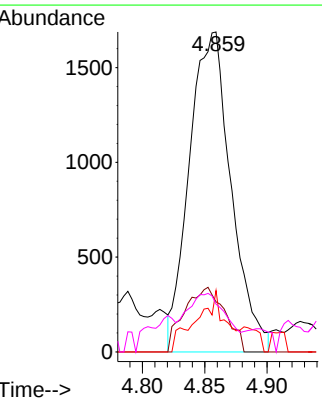
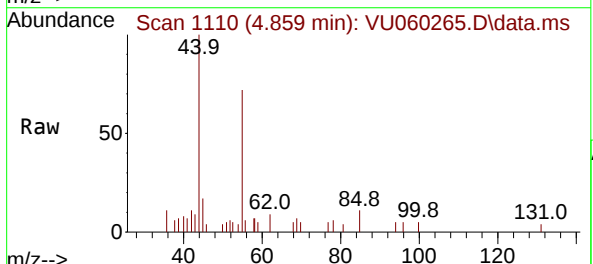
Ion Ratio Lower Upper

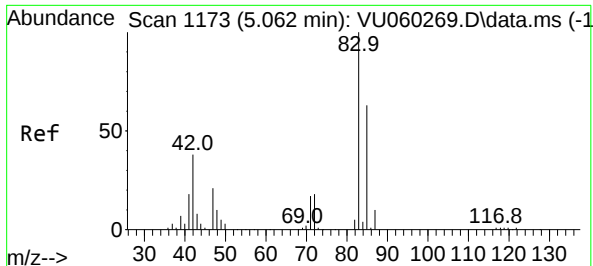
55 100

85 19.7 13.1 19.7#

58 13.0 6.9 10.3#

42 9.1 7.7 11.5





#41

Tetrahydrofuran

Concen: 1.005 ug/l

RT: 5.068 min Scan# 1173

Delta R.T. 0.006 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

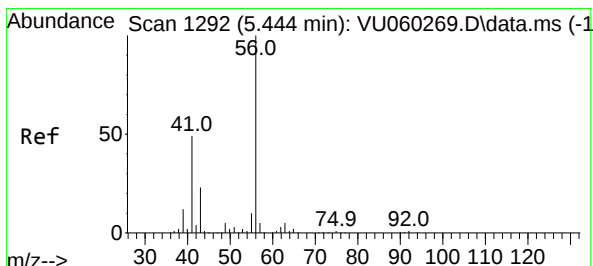
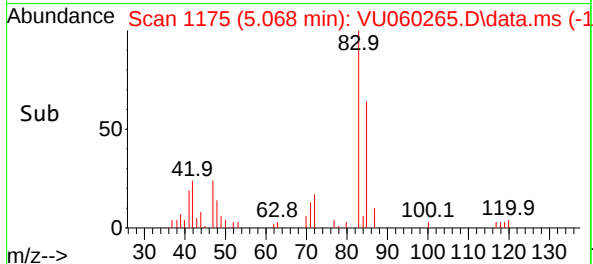
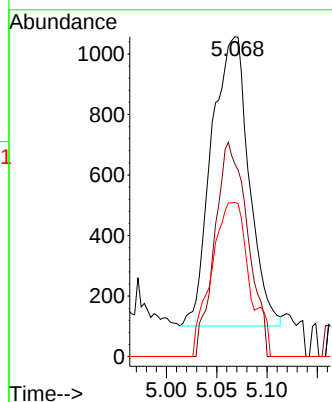
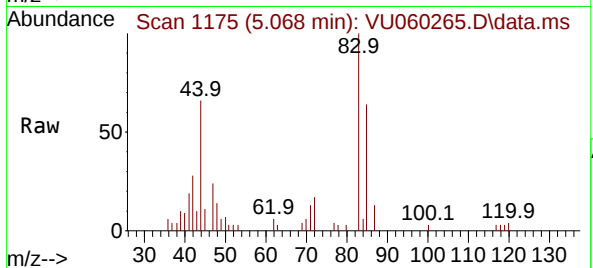
Tgt Ion: 42 Resp: 2473

Ion Ratio Lower Upper

42 100

72 65.1 38.1 57.1#

71 54.1 35.4 53.0#



#42

1-Chlorobutane

Concen: 0.476 ug/l

RT: 5.447 min Scan# 1293

Delta R.T. 0.003 min

Lab File: VU060265.D

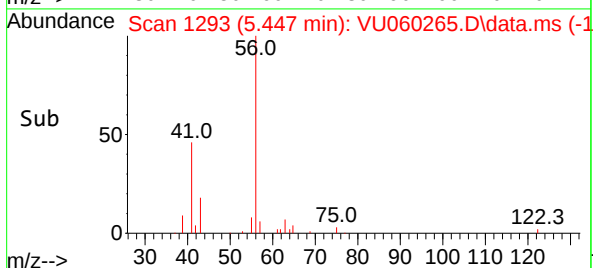
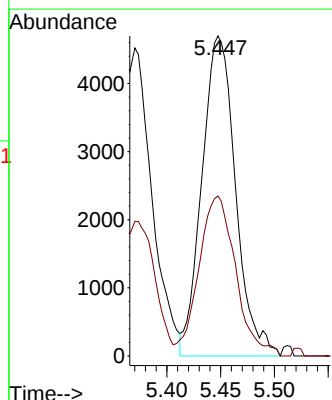
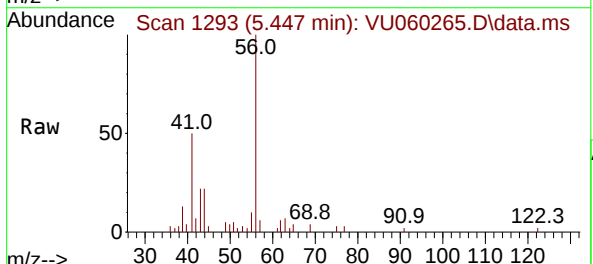
Acq: 30 Jul 2024 15:11

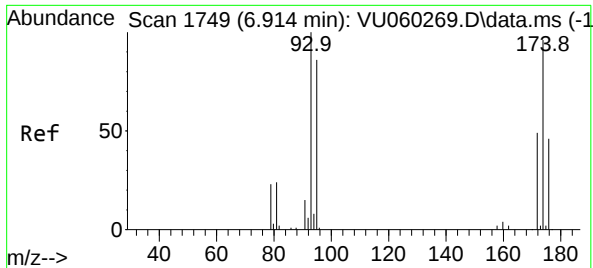
Tgt Ion: 56 Resp: 10222

Ion Ratio Lower Upper

56 100

41 54.5 24.5 73.5

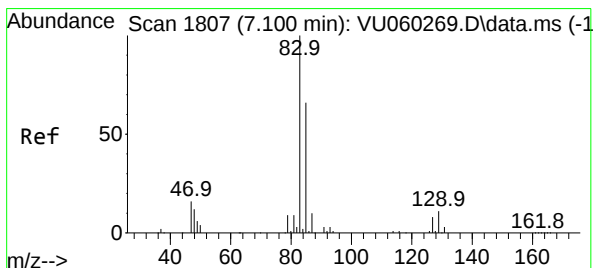
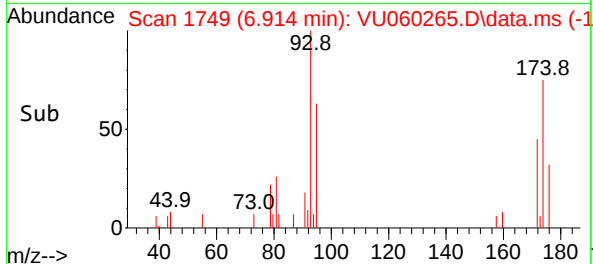
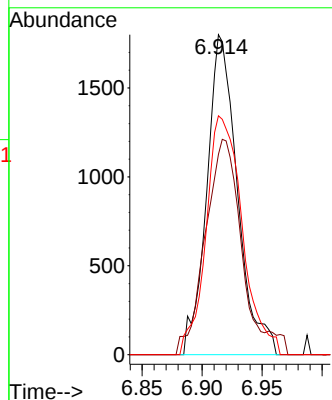
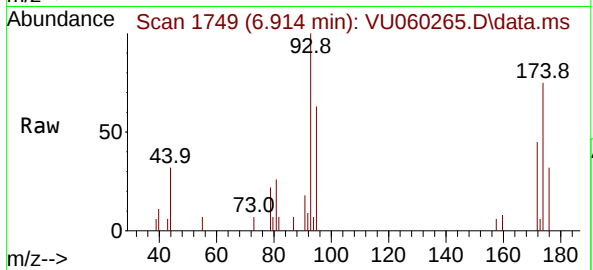




#43  
Dibromomethane  
Concen: 0.489 ug/l  
RT: 6.914 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

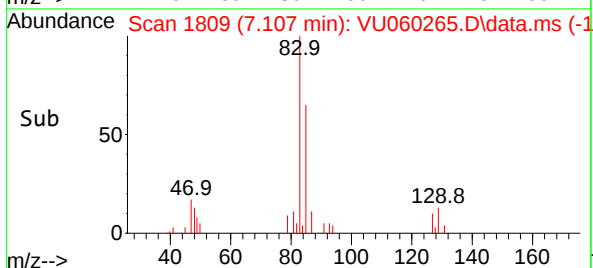
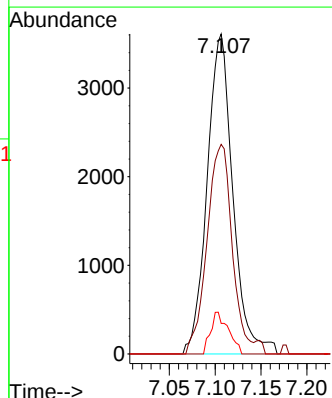
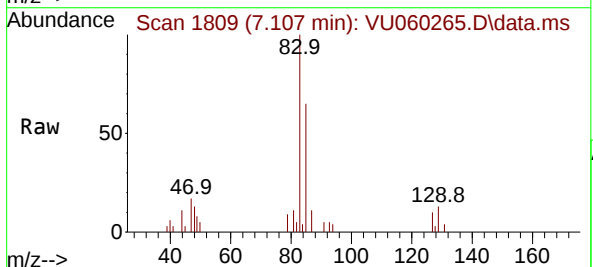
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

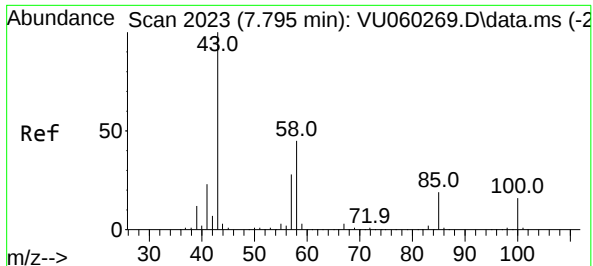
Tgt Ion: 93 Resp: 3191  
Ion Ratio Lower Upper  
93 100  
95 80.6 68.0 102.0  
174 88.2 74.7 112.1



#44  
Bromodichloromethane  
Concen: 0.452 ug/l  
RT: 7.107 min Scan# 1809  
Delta R.T. 0.006 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 83 Resp: 7049  
Ion Ratio Lower Upper  
83 100  
85 65.5 52.6 79.0  
127 12.7 6.6 9.8#

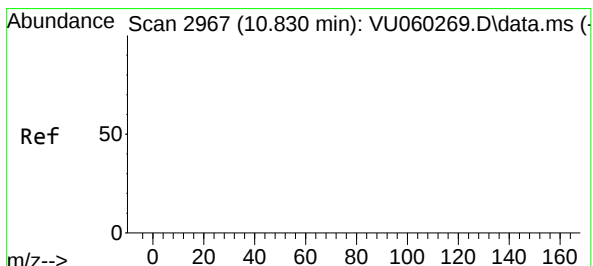
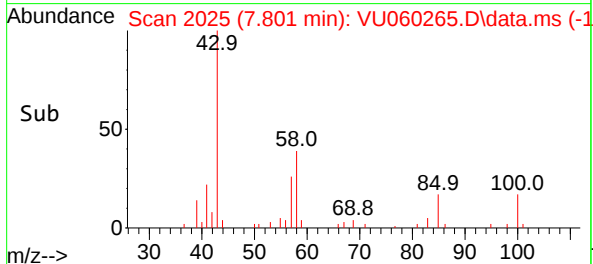
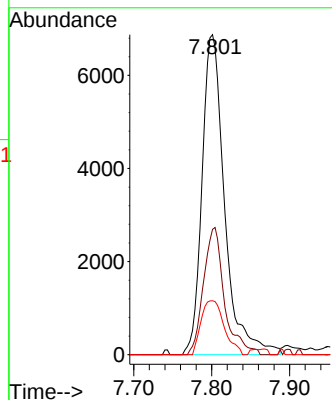
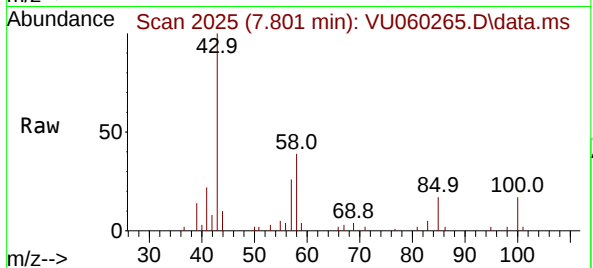




#45  
4-Methyl-2-Pentanone  
Concen: 2.110 ug/l  
RT: 7.801 min Scan# 2025  
Delta R.T. 0.006 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

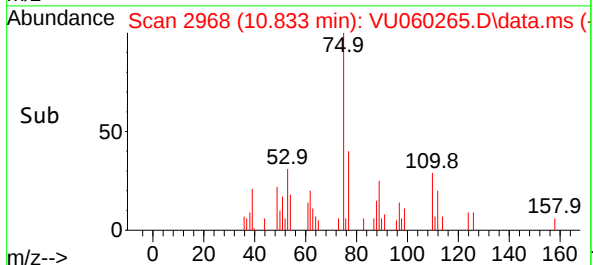
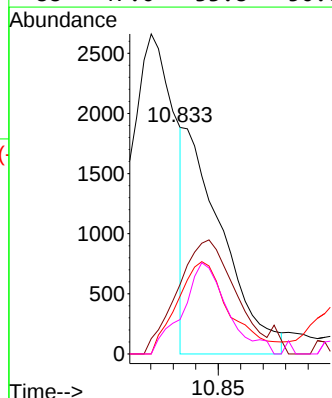
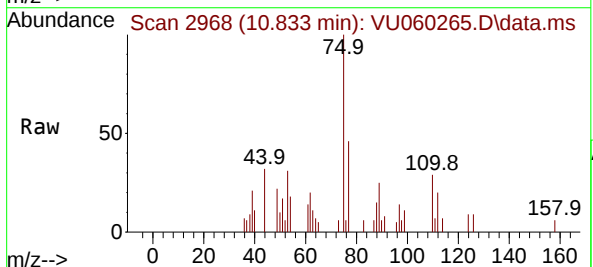
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

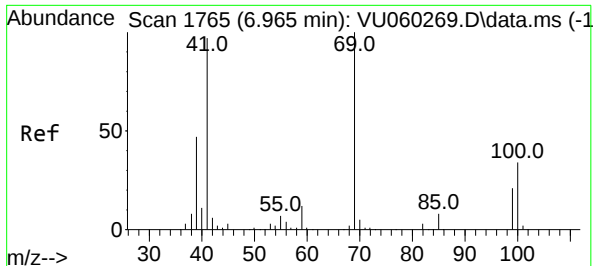
Tgt Ion: 43 Resp: 13849  
Ion Ratio Lower Upper  
43 100  
58 36.8 22.1 66.5  
85 17.2 15.4 23.0



#46  
t-1,4-Dichloro-2-butene  
Concen: 0.812 ug/l m  
RT: 10.833 min Scan# 2968  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 75 Resp: 2231  
Ion Ratio Lower Upper  
75 100  
53 78.5 66.4 99.6  
89 56.6 45.7 68.5  
88 47.0 33.8 50.6



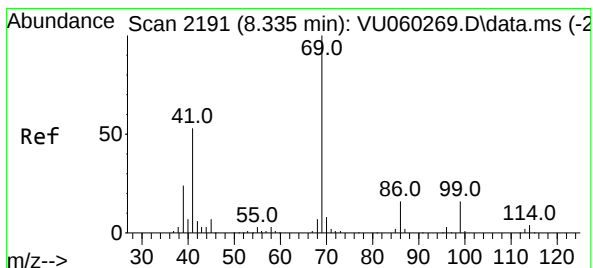
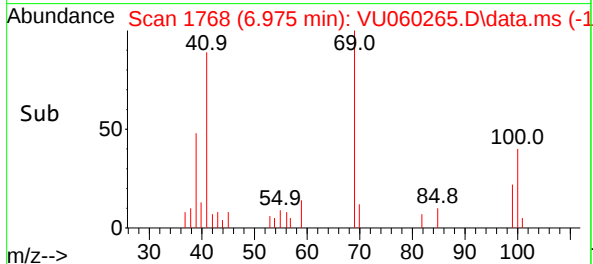
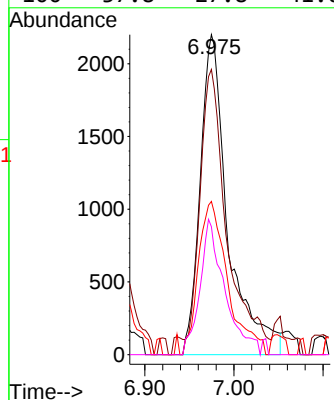
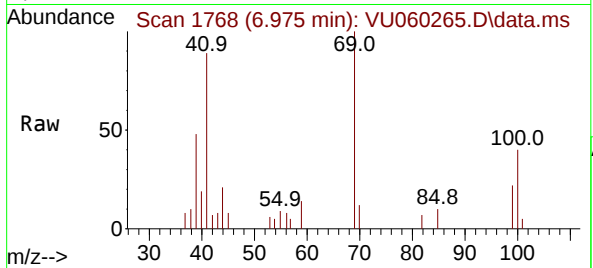


#47  
Methyl methacrylate  
Concen: 0.838 ug/l  
RT: 6.975 min Scan# 1768  
Delta R.T. 0.009 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

Tgt Ion: 69 Resp: 4773

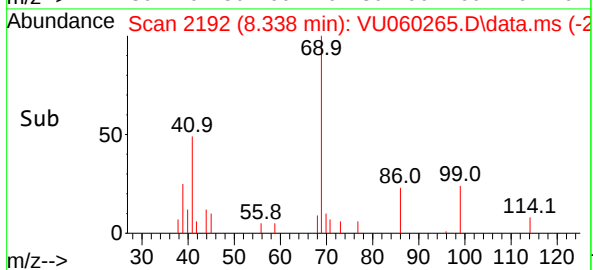
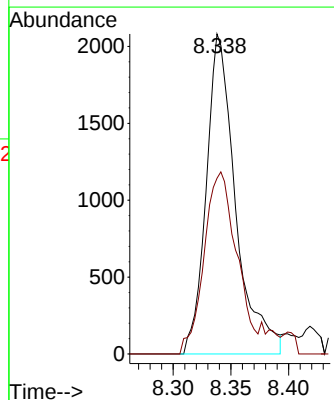
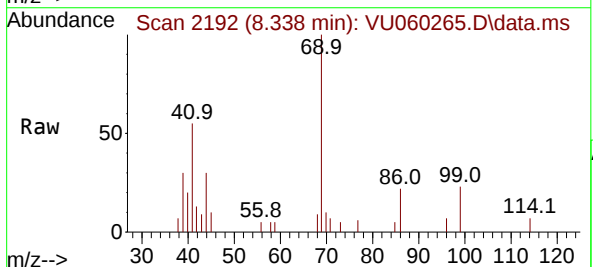
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 77.1  | 0.0   | 192.4 |
| 39  | 50.7  | 37.8  | 56.6  |
| 100 | 37.8  | 27.8  | 41.6  |

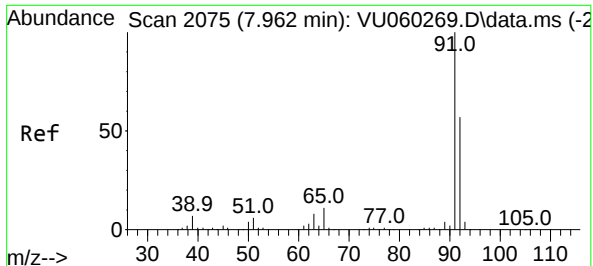


#48  
Ethyl methacrylate  
Concen: 0.615 ug/l  
RT: 8.338 min Scan# 2192  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 69 Resp: 3688

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 63.1  | 27.8  | 83.4  |





#49

Toluene

Concen: 0.403 ug/l

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

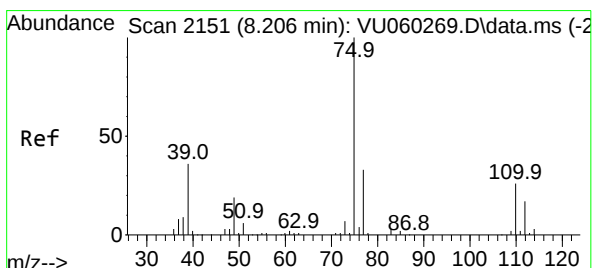
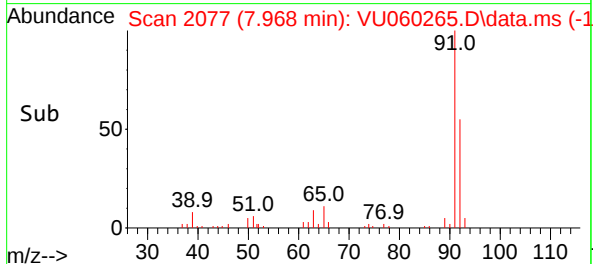
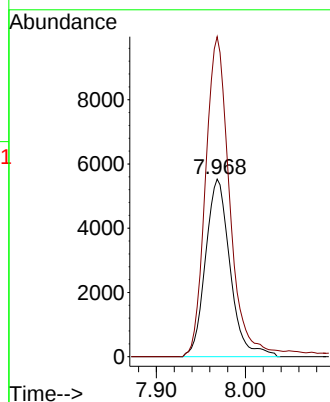
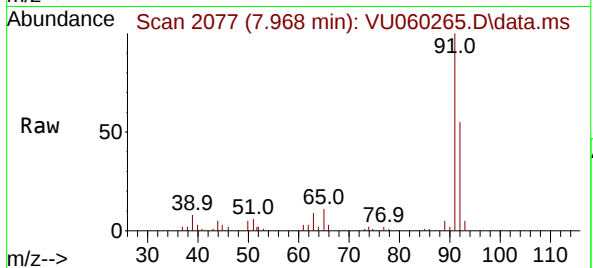
VSTDICC0.5

Tgt Ion: 92 Resp: 10587

Ion Ratio Lower Upper

92 100

91 176.9 143.0 214.6



#50

t-1,3-Dichloropropene

Concen: 0.423 ug/l

RT: 8.213 min Scan# 2153

Delta R.T. 0.006 min

Lab File: VU060265.D

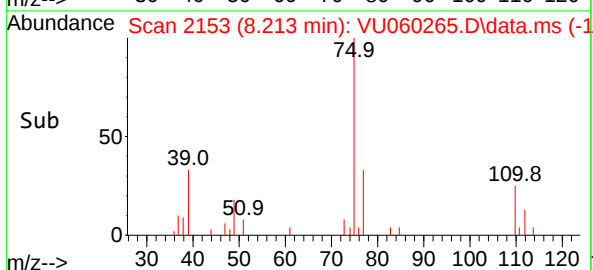
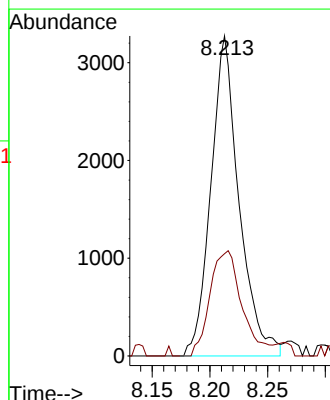
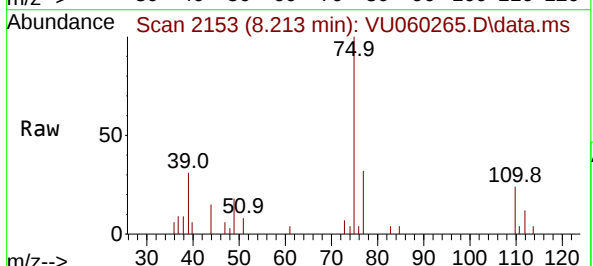
Acq: 30 Jul 2024 15:11

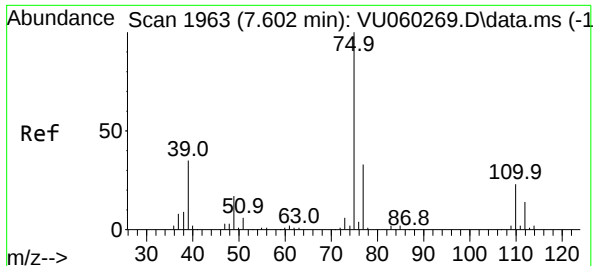
Tgt Ion: 75 Resp: 5560

Ion Ratio Lower Upper

75 100

77 31.9 26.1 39.1





#51

cis-1,3-Dichloropropene

Concen: 0.427 ug/l

RT: 7.608 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

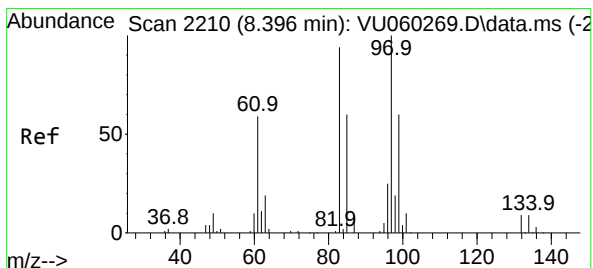
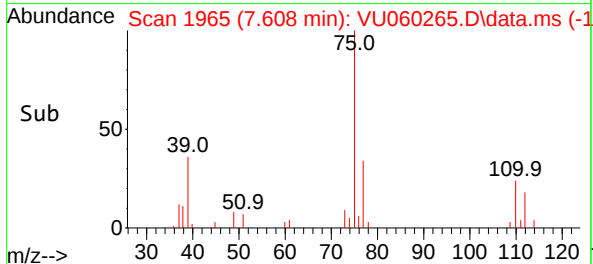
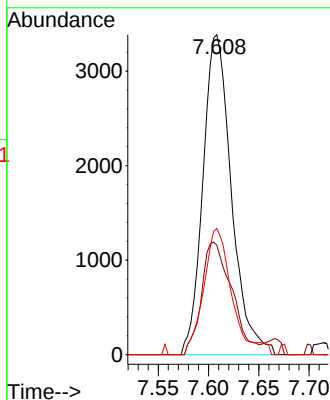
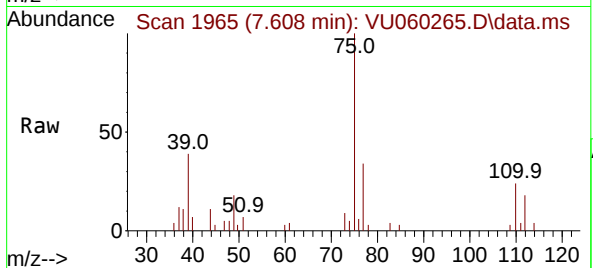
Tgt Ion: 75 Resp: 6687

Ion Ratio Lower Upper

75 100

77 34.2 26.2 39.2

39 39.4 27.9 41.9



#52

1,1,2-Trichloroethane

Concen: 0.476 ug/l

RT: 8.399 min Scan# 2211

Delta R.T. 0.003 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Tgt Ion: 97 Resp: 4485

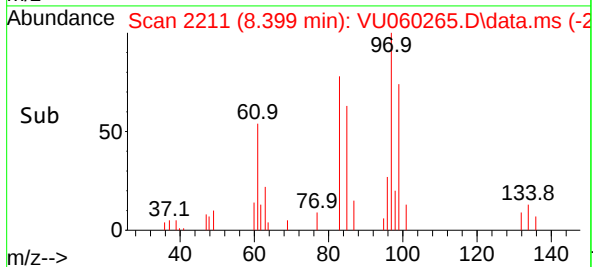
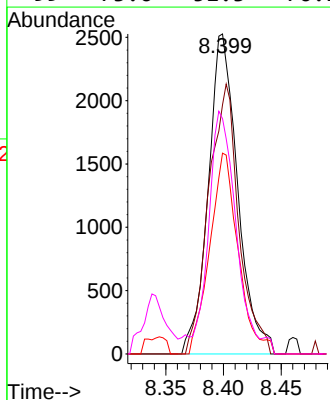
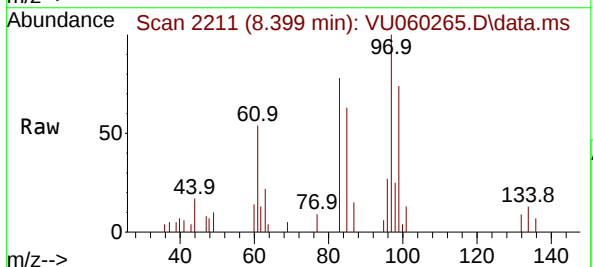
Ion Ratio Lower Upper

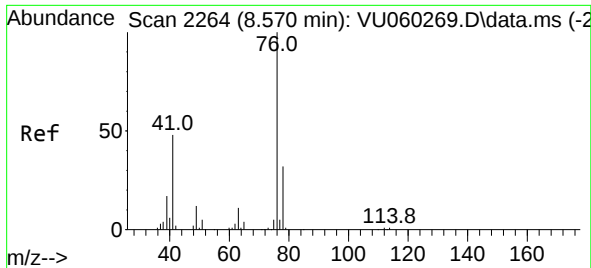
97 100

83 77.8 75.5 113.3

85 62.8 48.2 72.4

99 73.6 51.3 76.9

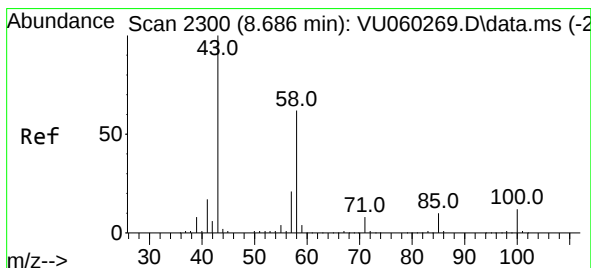
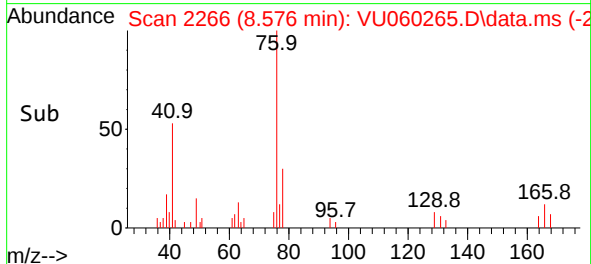
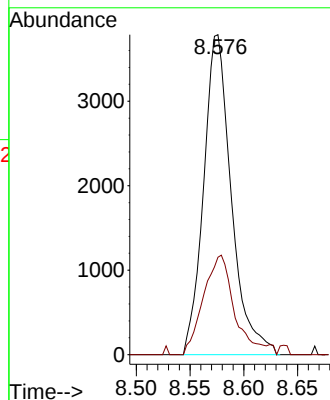
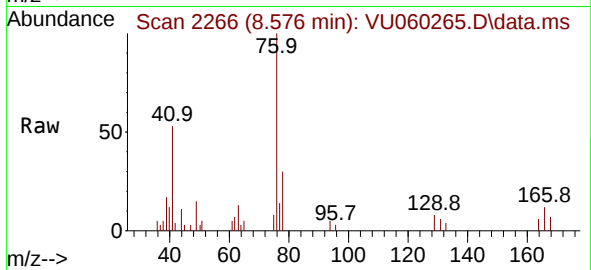




#53  
1,3-Dichloropropane  
Concen: 0.438 ug/l  
RT: 8.576 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

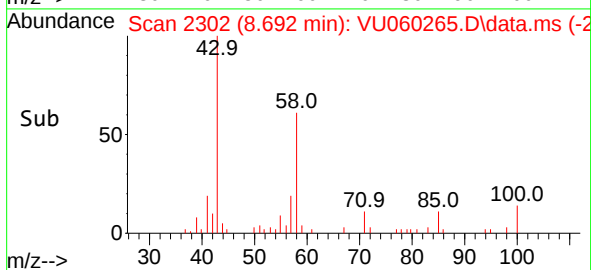
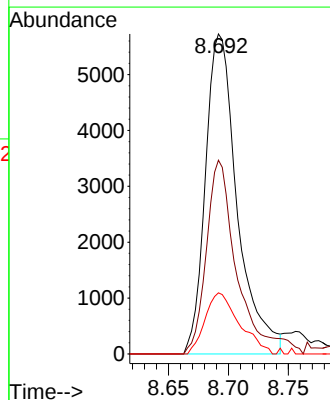
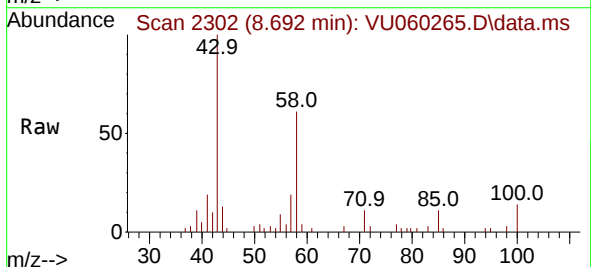
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

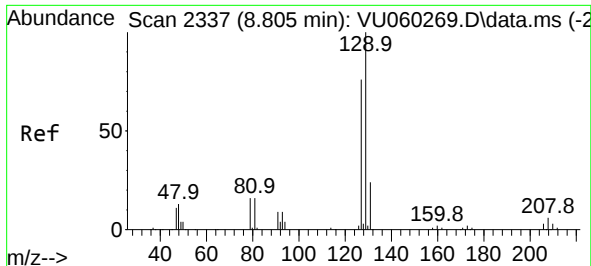
Tgt Ion: 76 Resp: 6792  
Ion Ratio Lower Upper  
76 100  
78 35.2 25.8 38.6



#54  
2-Hexanone  
Concen: 2.157 ug/l  
RT: 8.692 min Scan# 2302  
Delta R.T. 0.006 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 43 Resp: 10565  
Ion Ratio Lower Upper  
43 100  
58 58.3 41.1 81.1  
57 20.5 0.3 40.3





#55

Dibromochloromethane

Concen: 0.456 ug/l

RT: 8.807 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

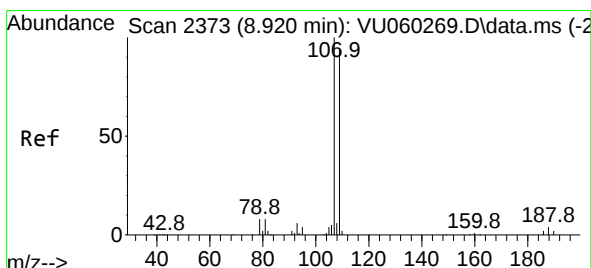
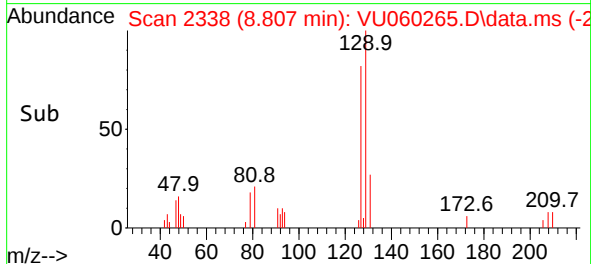
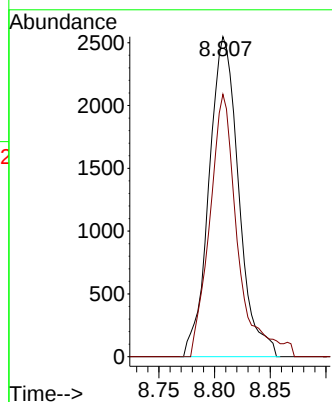
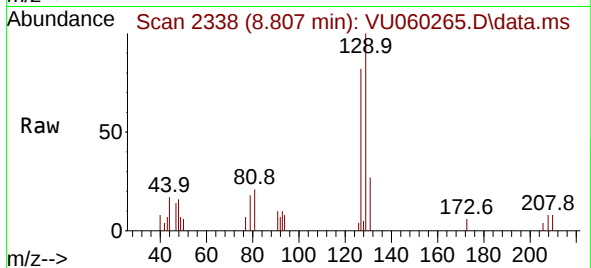
VSTDIC0.5

Tgt Ion:129 Resp: 4721

Ion Ratio Lower Upper

129 100

127 77.0 61.7 92.5



#56

1,2-Dibromoethane

Concen: 0.435 ug/l

RT: 8.923 min Scan# 2374

Delta R.T. 0.003 min

Lab File: VU060265.D

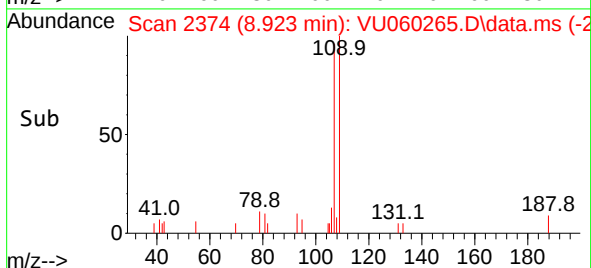
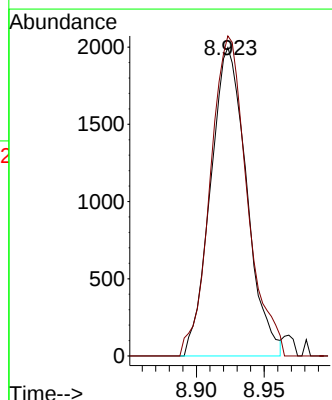
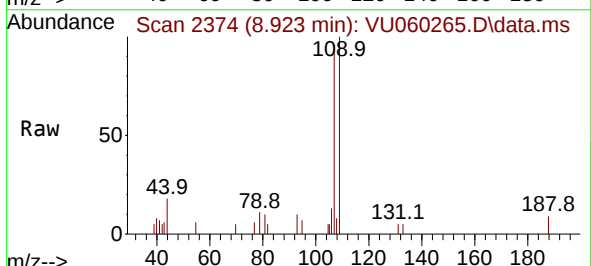
Acq: 30 Jul 2024 15:11

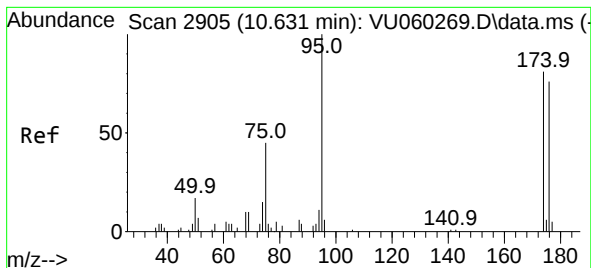
Tgt Ion:107 Resp: 3695

Ion Ratio Lower Upper

107 100

109 105.7 0.0 186.8

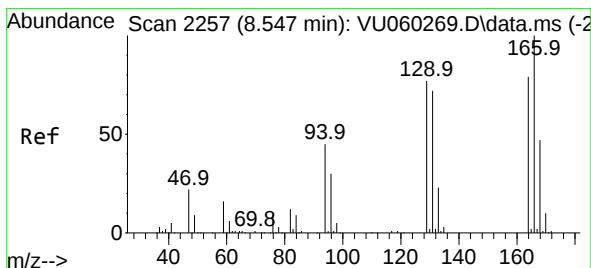
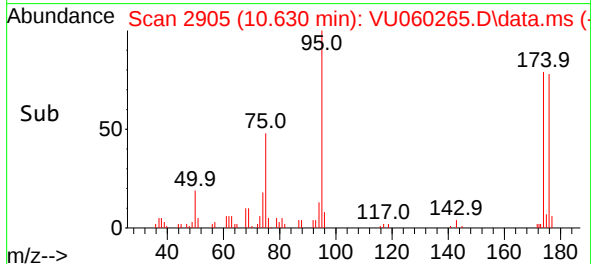
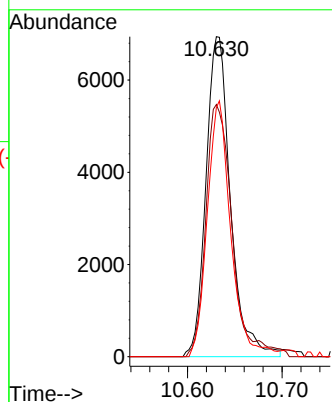
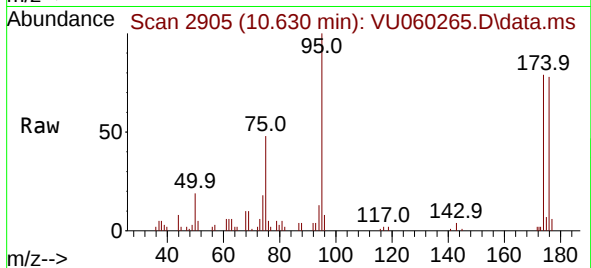




#57  
4-Bromofluorobenzene  
Concen: 0.897 ug/l  
RT: 10.630 min Scan# 2905  
Delta R.T. -0.000 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

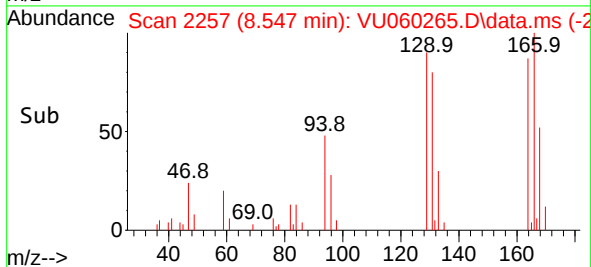
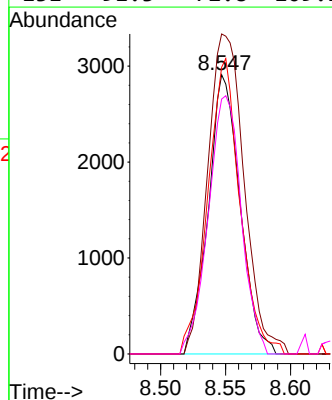
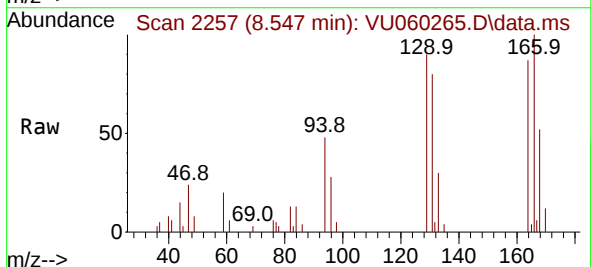
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

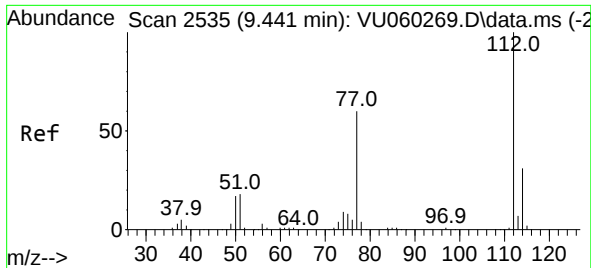
Tgt Ion: 95 Resp: 12518  
Ion Ratio Lower Upper  
95 100  
174 84.6 62.2 93.4  
176 76.6 59.4 89.2



#58  
Tetrachloroethene  
Concen: 0.448 ug/l  
RT: 8.547 min Scan# 2257  
Delta R.T. -0.000 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 164 Resp: 4959  
Ion Ratio Lower Upper  
164 100  
166 114.6 101.0 151.6  
129 102.7 78.0 117.0  
131 91.3 72.8 109.2

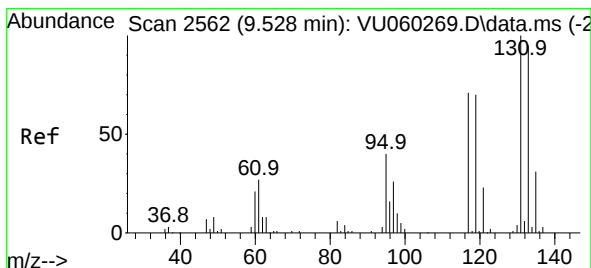
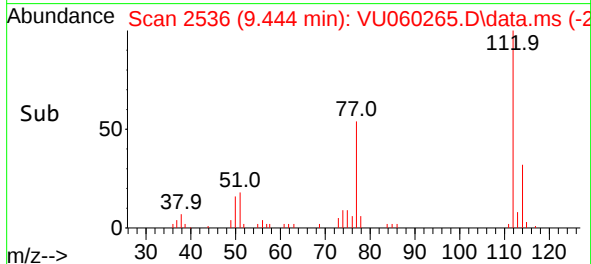
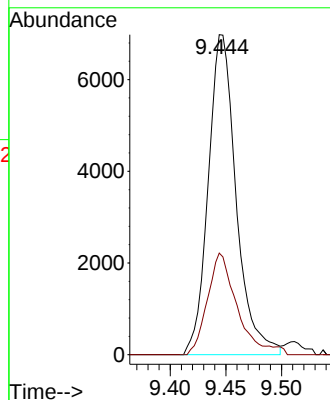
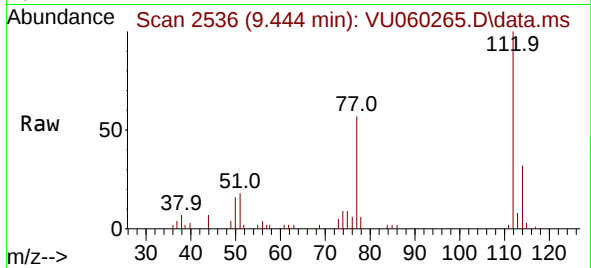




#59  
Chlorobenzene  
Concen: 0.432 ug/l  
RT: 9.444 min Scan# 2536  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

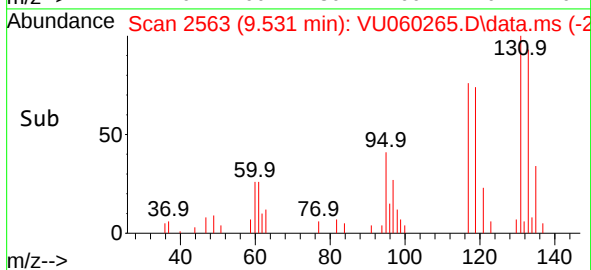
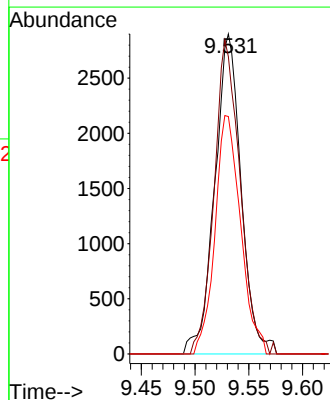
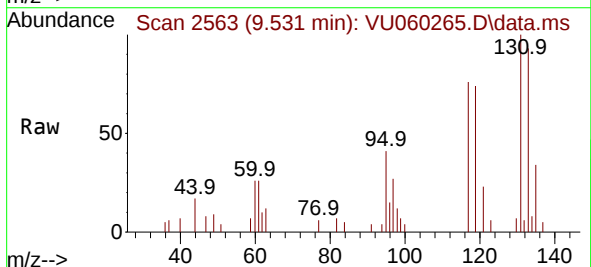
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

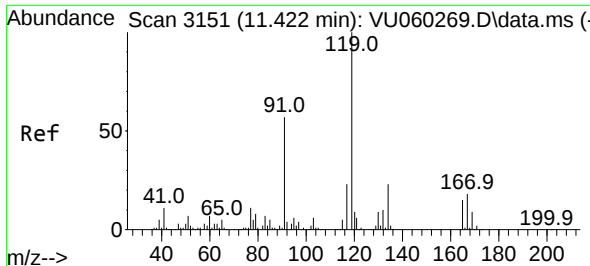
Tgt Ion:112 Resp: 12184  
Ion Ratio Lower Upper  
112 100  
114 31.8 24.5 36.7



#60  
1,1,1,2-Tetrachloroethane  
Concen: 0.456 ug/l  
RT: 9.531 min Scan# 2563  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion:131 Resp: 4948  
Ion Ratio Lower Upper  
131 100  
133 96.6 76.6 114.8  
119 72.3 55.4 83.0

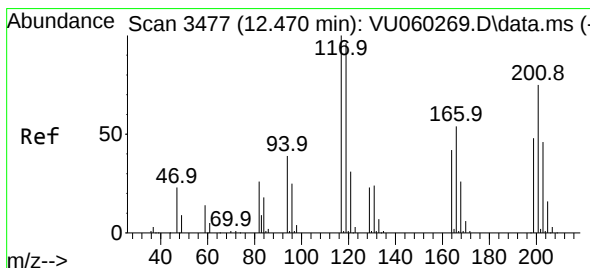
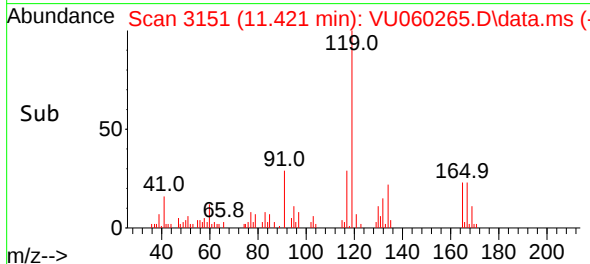
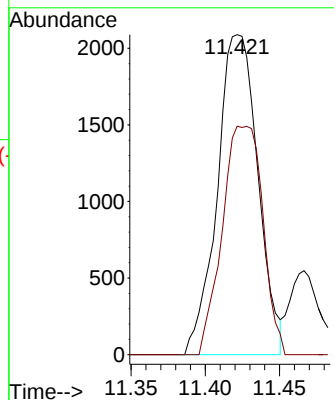
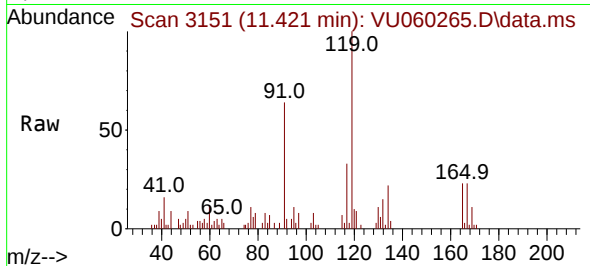




#61  
 Pentachloroethane  
 Concen: 0.462 ug/l  
 RT: 11.421 min Scan# 3151  
 Delta R.T. -0.000 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

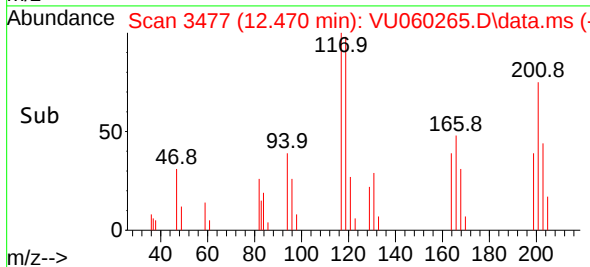
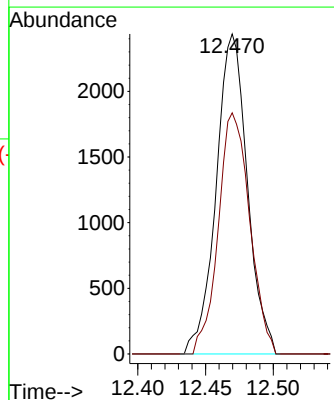
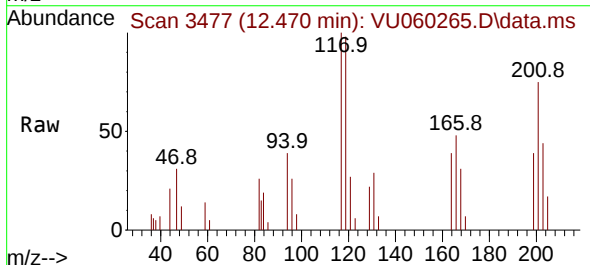
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

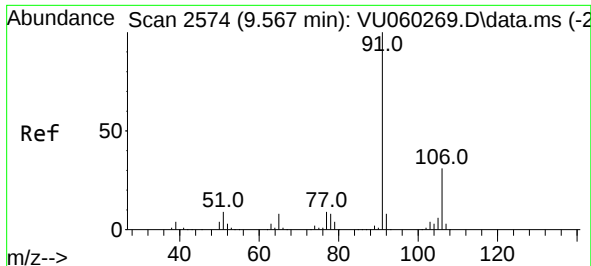
Tgt Ion:117 Resp: 3974  
 Ion Ratio Lower Upper  
 117 100  
 167 71.1 61.6 92.4



#62  
 Hexachloroethane  
 Concen: 0.456 ug/l  
 RT: 12.470 min Scan# 3477  
 Delta R.T. -0.000 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

Tgt Ion:117 Resp: 3902  
 Ion Ratio Lower Upper  
 117 100  
 201 75.9 60.0 90.0

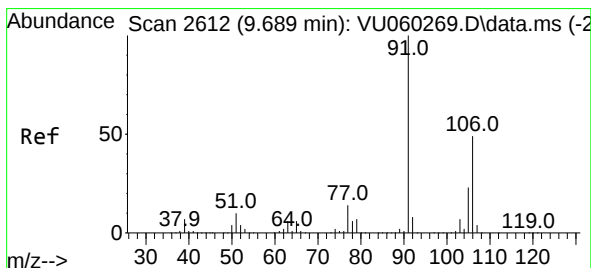
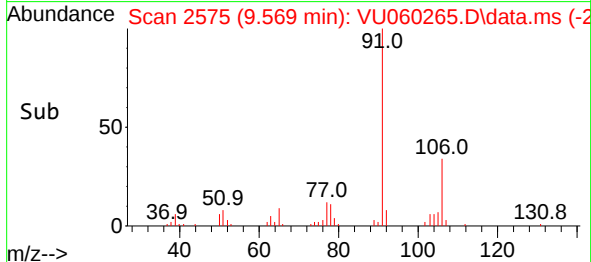
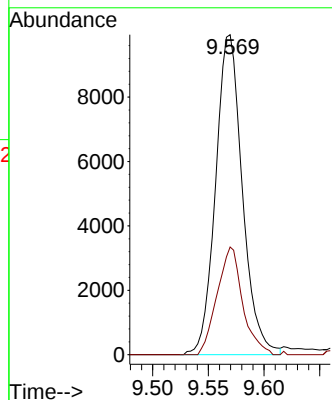
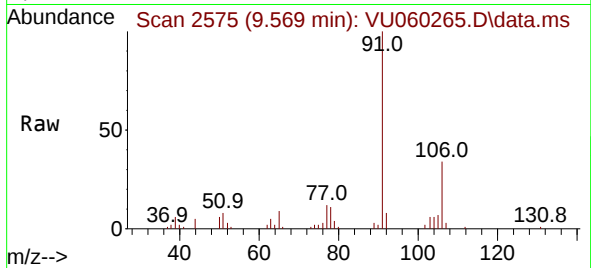




#63  
Ethyl Benzene  
Concen: 0.629 ug/l  
RT: 9.569 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

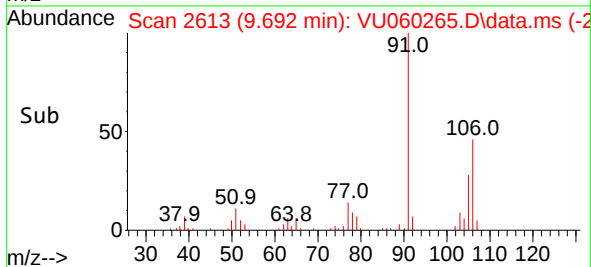
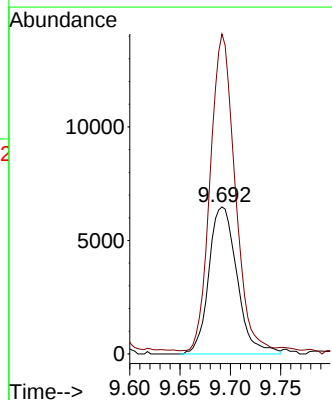
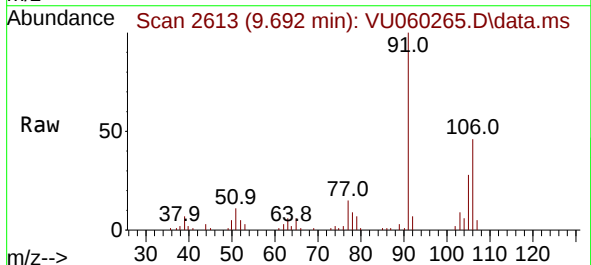
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

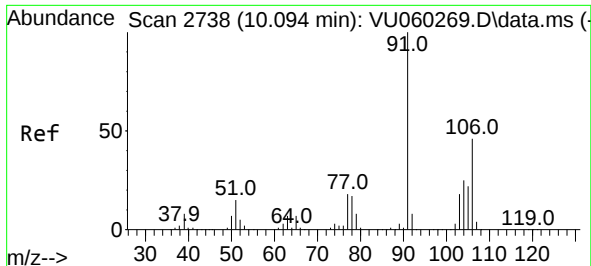
Tgt Ion: 91 Resp: 16615  
Ion Ratio Lower Upper  
91 100  
106 33.7 24.5 36.7



#64  
m/p-Xylenes  
Concen: 1.327 ug/l  
RT: 9.692 min Scan# 2613  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 106 Resp: 12622  
Ion Ratio Lower Upper  
106 100  
91 188.2 164.2 246.4

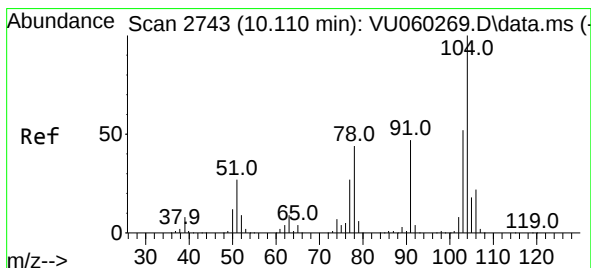
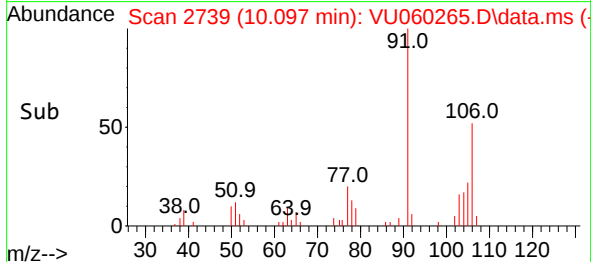
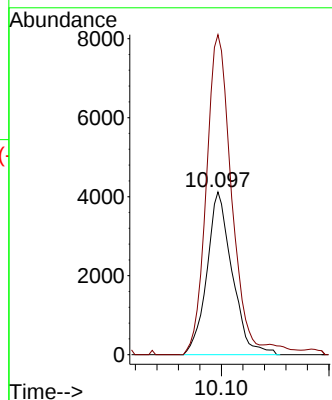
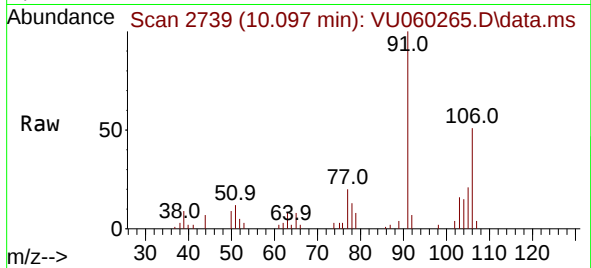




#65  
o-Xylene  
Concen: 0.636 ug/l  
RT: 10.097 min Scan# 2738  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

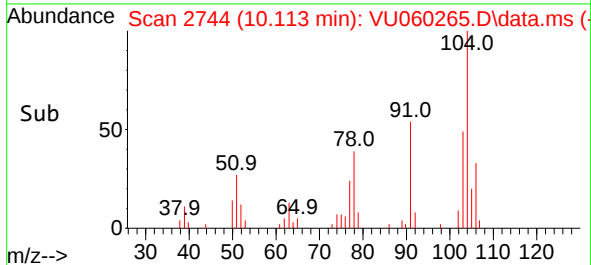
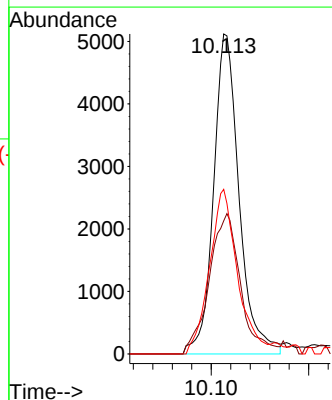
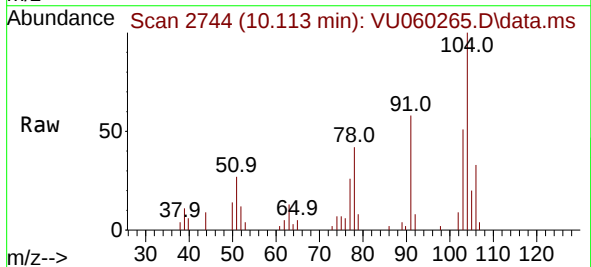
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

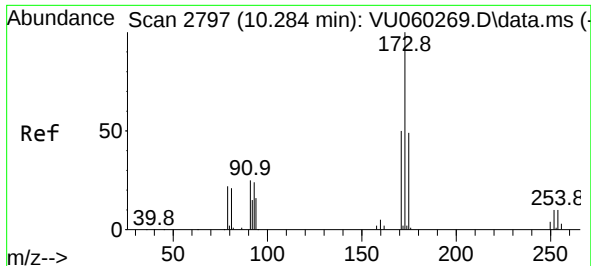
Tgt Ion:106 Resp: 6697  
Ion Ratio Lower Upper  
106 100  
91 195.0 109.4 328.2



#66  
Styrene  
Concen: 0.657 ug/l  
RT: 10.113 min Scan# 2744  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion:104 Resp: 9321  
Ion Ratio Lower Upper  
104 100  
78 53.6 39.1 58.7  
103 56.2 44.8 67.2

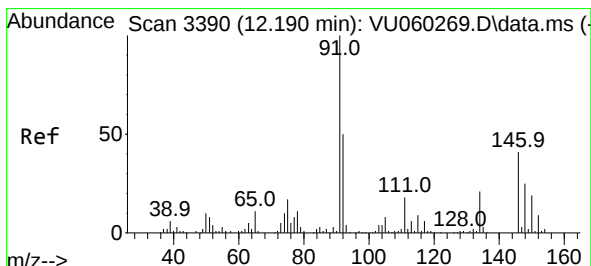
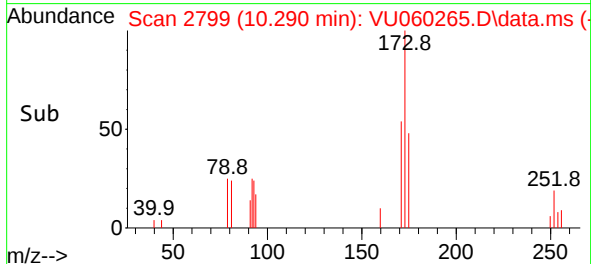
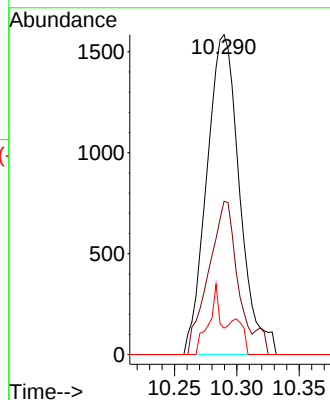
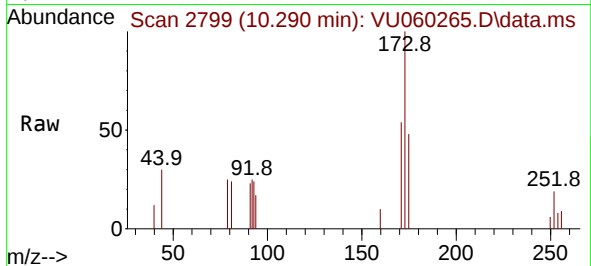




#67  
Bromoform  
Concen: 0.476 ug/l  
RT: 10.290 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

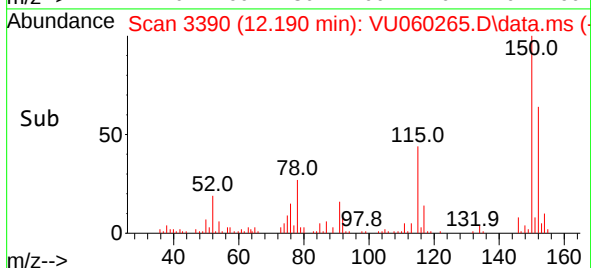
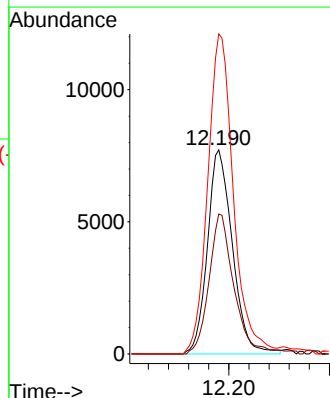
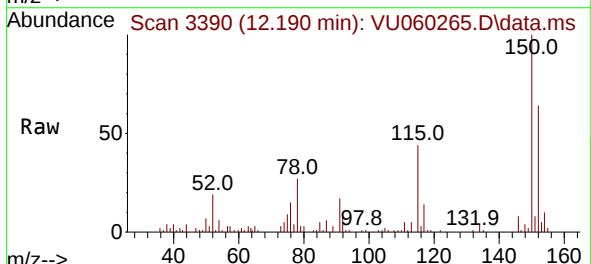
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC0.5

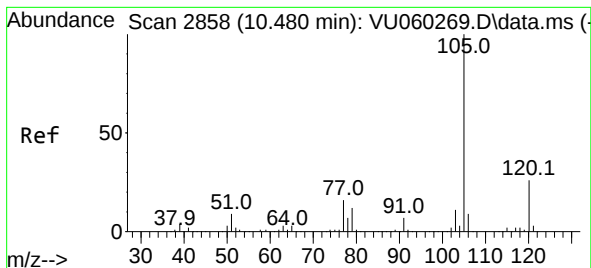
Tgt Ion:173 Resp: 2901  
Ion Ratio Lower Upper  
173 100  
175 41.5 39.4 59.0  
254 7.8 8.4 12.6#



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.887 ug/l  
RT: 12.190 min Scan# 3390  
Delta R.T. -0.000 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion:152 Resp: 13297  
Ion Ratio Lower Upper  
152 100  
115 67.8 0.0 305.0  
150 161.5 0.0 671.8





#69

Isopropylbenzene

Concen: 0.598 ug/l

RT: 10.483 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

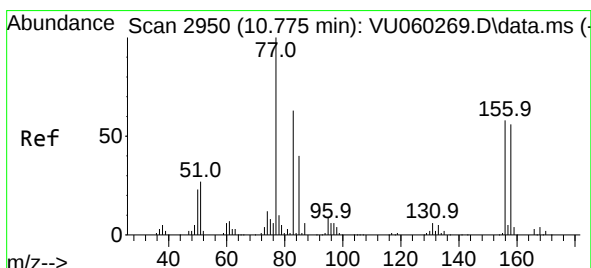
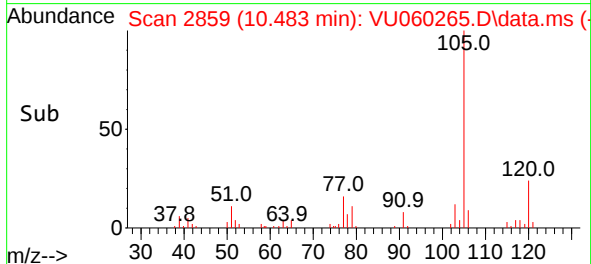
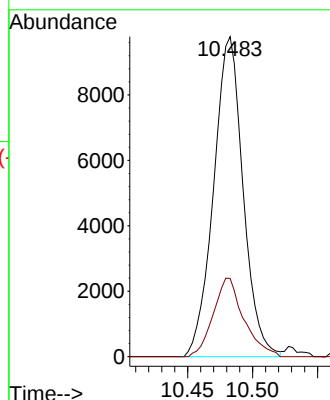
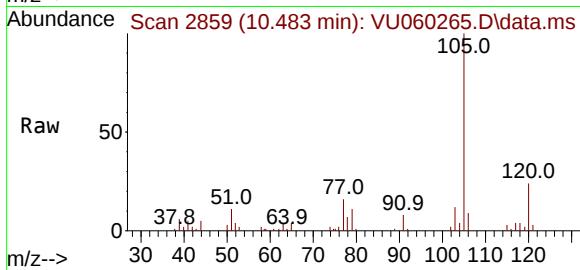
VSTDICC0.5

Tgt Ion:105 Resp: 15435

Ion Ratio Lower Upper

105 100

120 25.4 13.1 39.1



#70

1,1,2,2-Tetrachloroethane

Concen: 0.443 ug/l

RT: 10.778 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

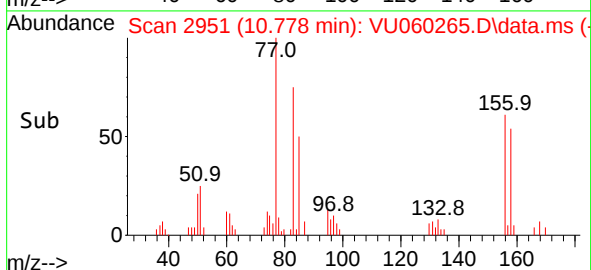
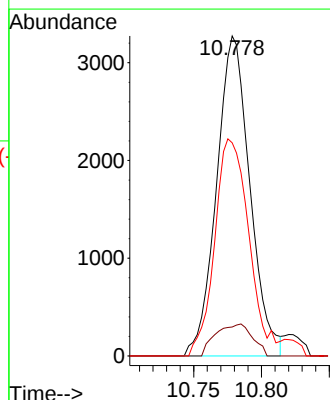
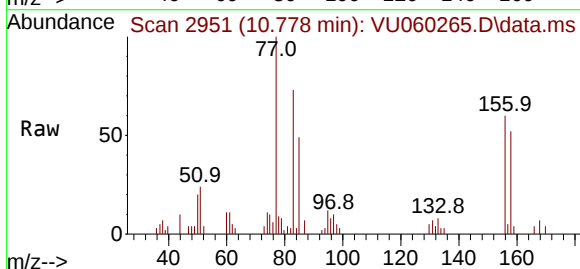
Tgt Ion: 83 Resp: 5591

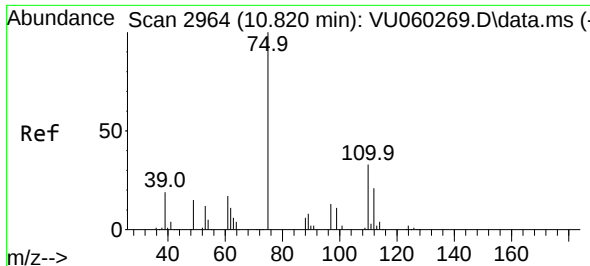
Ion Ratio Lower Upper

83 100

131 11.0 7.0 10.6#

85 69.8 50.3 75.5

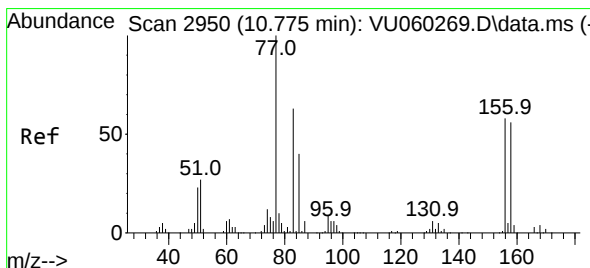
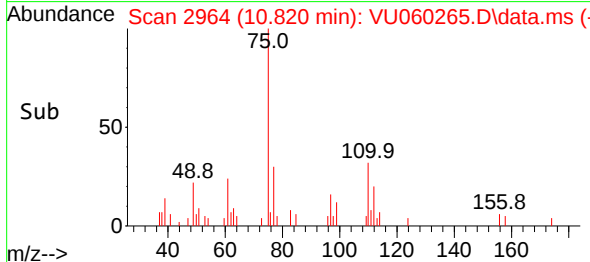
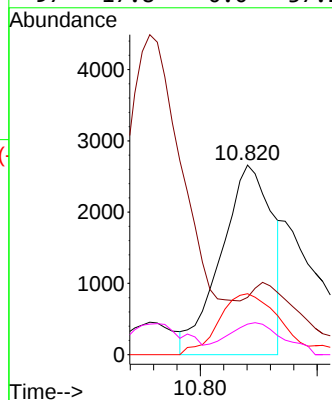
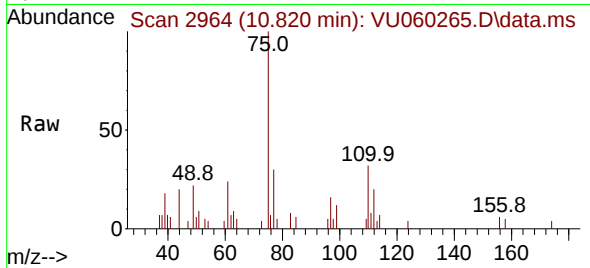




#71  
1,2,3-Trichloropropane  
Concen: 0.441 ug/l m  
RT: 10.820 min Scan# 2964  
Delta R.T. -0.000 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

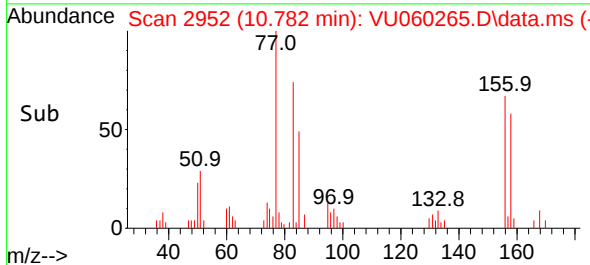
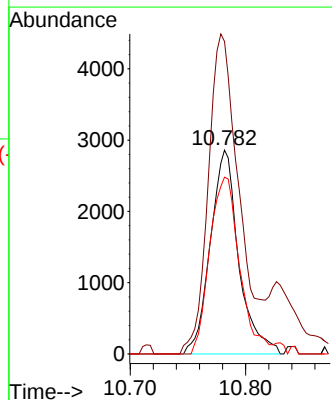
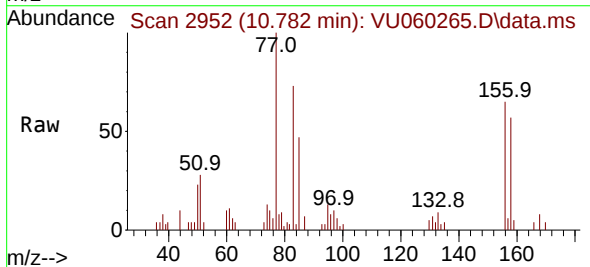
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

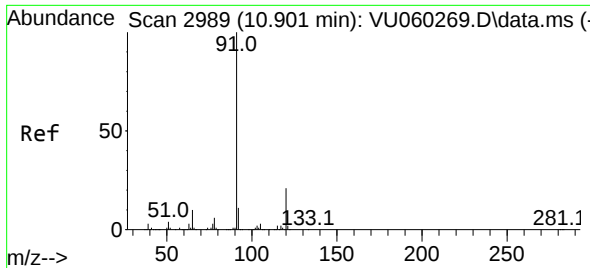
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 4034  |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 43.4     | 0.0 96.0    |
| 110 39.3    | 0.0 65.4    |
| 97 17.8     | 0.0 37.2    |



#72  
Bromobenzene  
Concen: 0.426 ug/l  
RT: 10.782 min Scan# 2952  
Delta R.T. 0.006 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:156 | Resp: | 4876  |
| Ion | Ratio   | Lower | Upper |
| 156 | 100     |       |       |
| 77  | 171.4   | 0.0   | 344.0 |
| 158 | 91.7    | 0.0   | 196.0 |

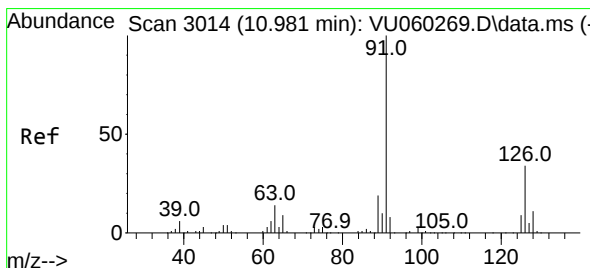
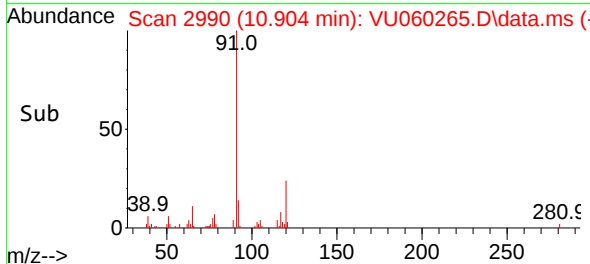
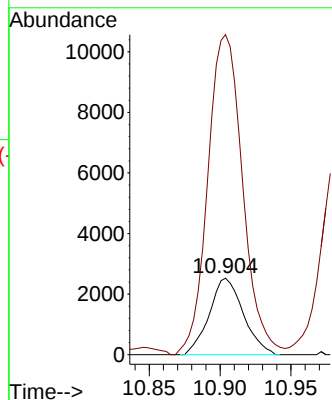
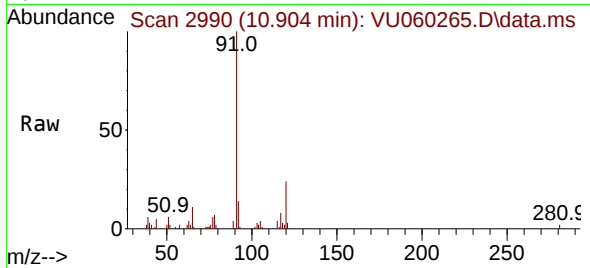




#73  
n-propylbenzene  
Concen: 0.625 ug/l  
RT: 10.904 min Scan# 2989  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

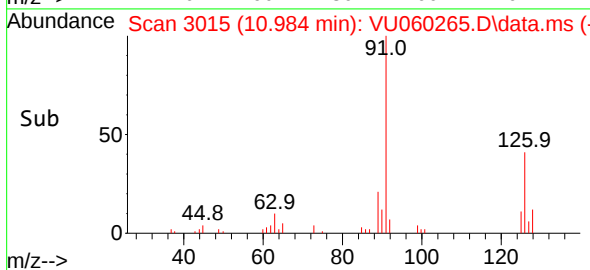
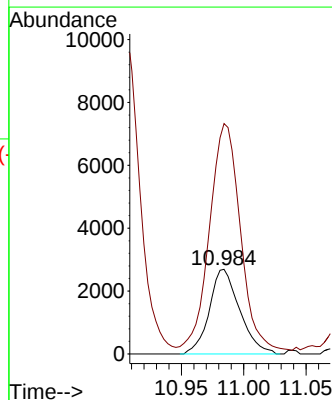
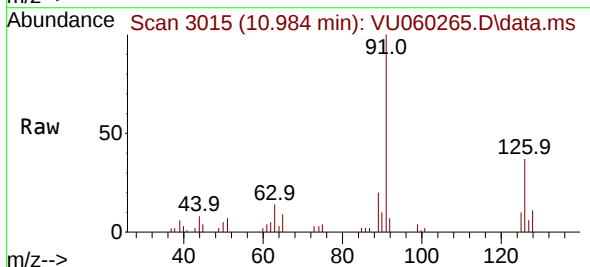
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

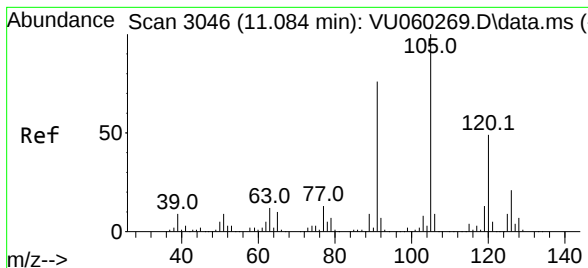
Tgt Ion:120 Resp: 4228  
Ion Ratio Lower Upper  
120 100  
91 427.9 370.7 556.1



#74  
2-Chlorotoluene  
Concen: 0.399 ug/l  
RT: 10.984 min Scan# 3015  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion:126 Resp: 4563  
Ion Ratio Lower Upper  
126 100  
91 270.2 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 0.635 ug/l

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

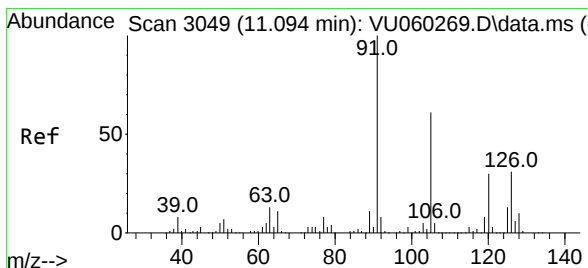
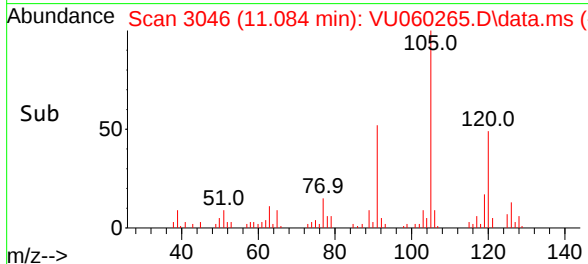
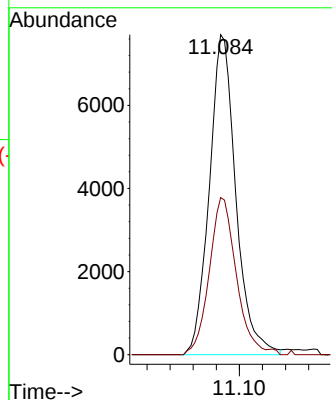
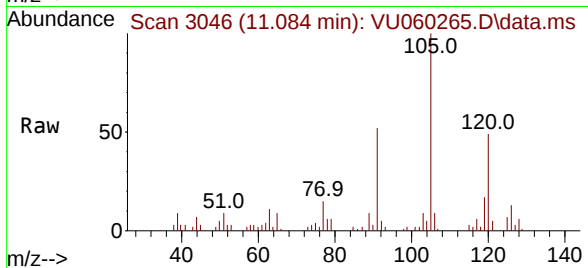
VSTDIC0.5

Tgt Ion:105 Resp: 12283

Ion Ratio Lower Upper

105 100

120 50.2 38.5 57.7



#76

4-Chlorotoluene

Concen: 0.655 ug/l

RT: 11.100 min Scan# 3051

Delta R.T. 0.006 min

Lab File: VU060265.D

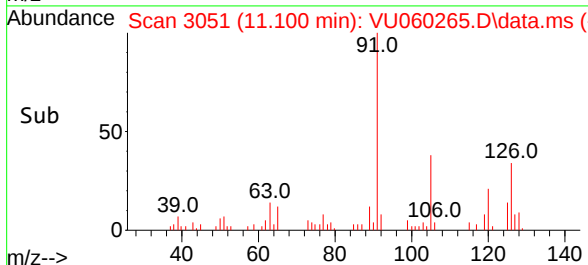
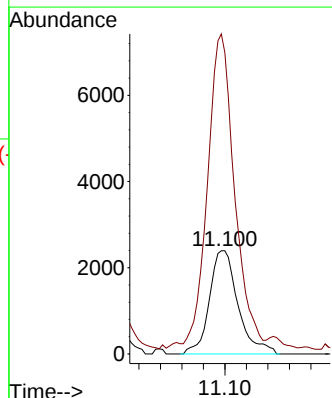
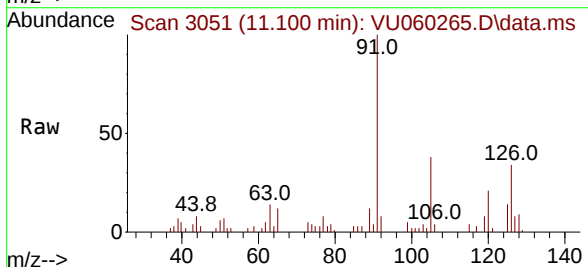
Acq: 30 Jul 2024 15:11

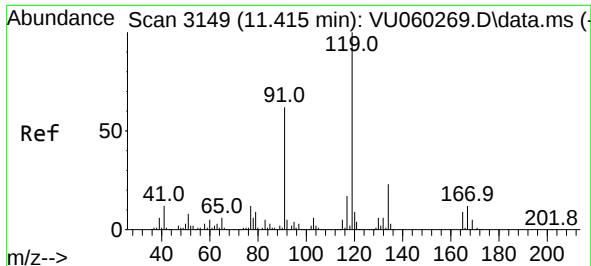
Tgt Ion:126 Resp: 4428

Ion Ratio Lower Upper

126 100

91 291.6 0.0 679.4

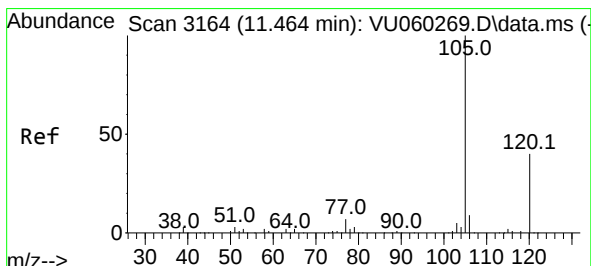
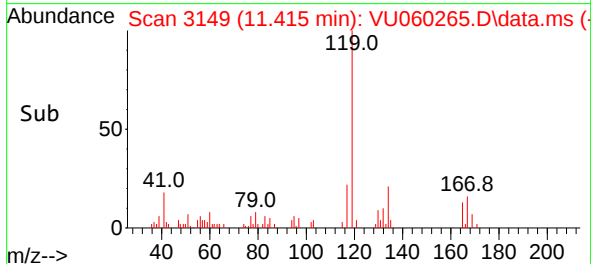
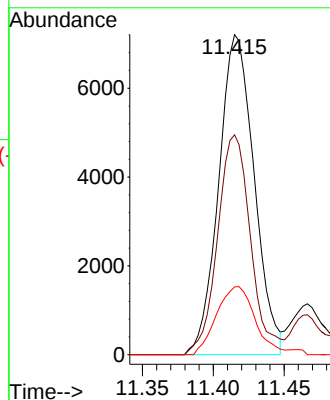
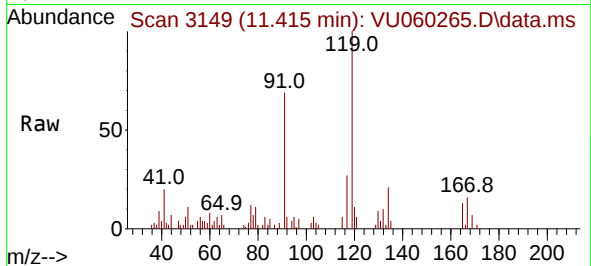




#77  
tert-Butylbenzene  
Concen: 0.550 ug/l  
RT: 11.415 min Scan# 3149  
Delta R.T. -0.000 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

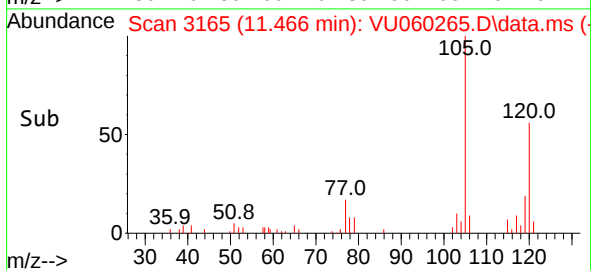
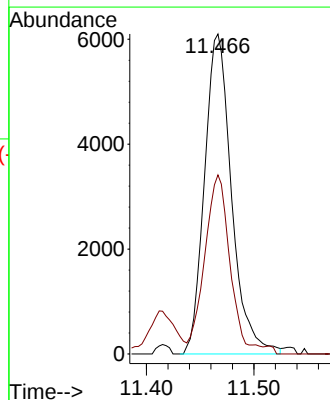
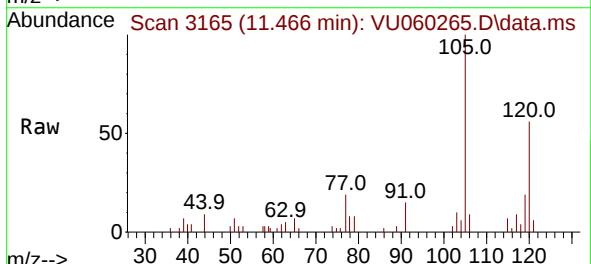
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

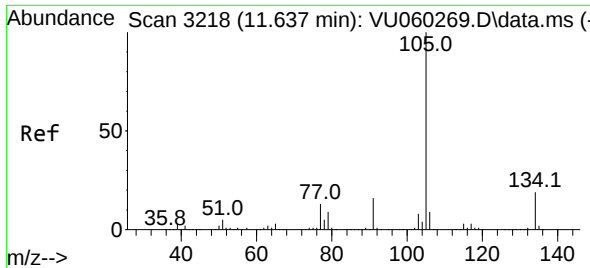
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 12556 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 64.3  | 30.1  | 90.3  |
| 134       | 23.1  | 18.5  | 27.7  |



#78  
1,2,4-Trimethylbenzene  
Concen: 0.642 ug/l  
RT: 11.466 min Scan# 3165  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 10653 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 48.6  | 22.6  | 67.7  |

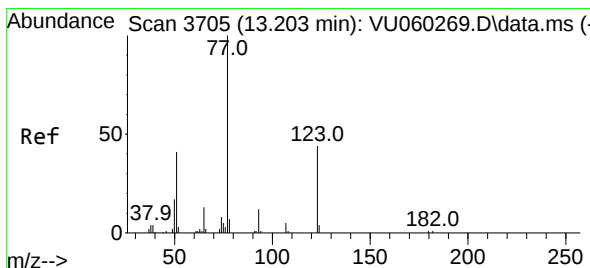
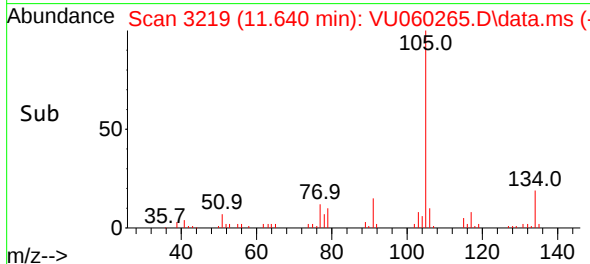
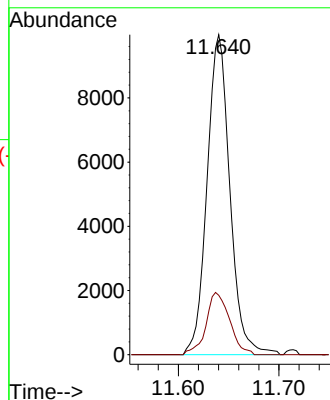
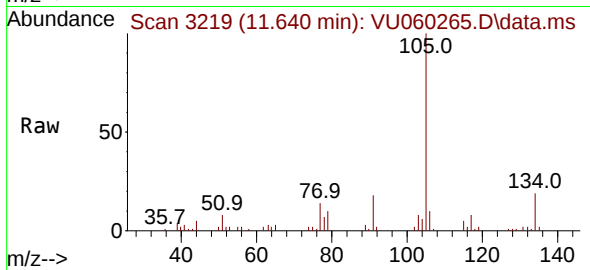




#79  
 sec-Butylbenzene  
 Concen: 0.588 ug/l  
 RT: 11.640 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

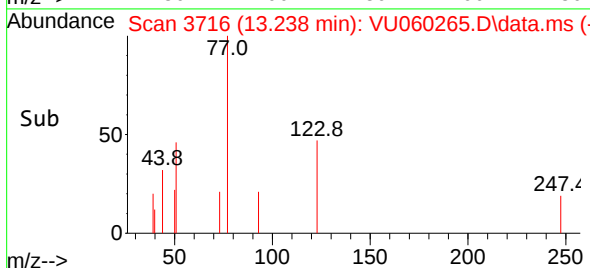
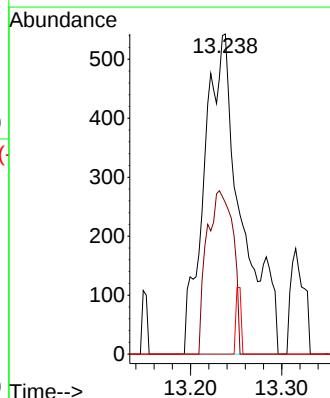
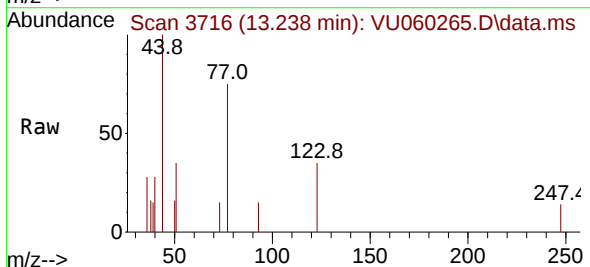
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

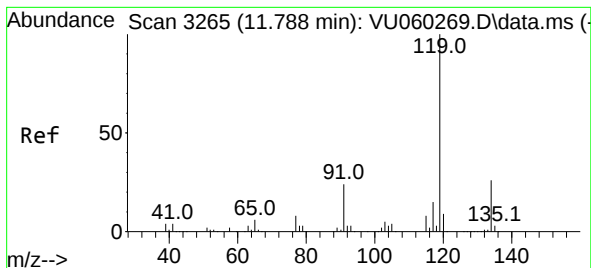
Tgt Ion:105 Resp: 15714  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 15.1 22.7



#80  
 Nitrobenzene  
 Concen: 2.613 ug/l m  
 RT: 13.238 min Scan# 3716  
 Delta R.T. 0.035 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

Tgt Ion: 77 Resp: 1535  
 Ion Ratio Lower Upper  
 77 100  
 123 35.8 20.1 71.1  
 65 2.9 10.5 13.3#





#81

p-Isopropyltoluene

Concen: 0.647 ug/l

RT: 11.791 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

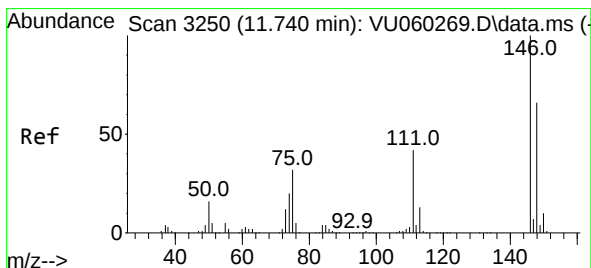
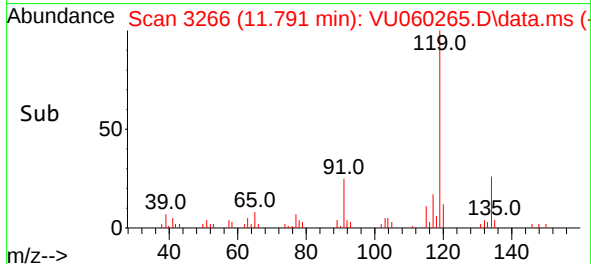
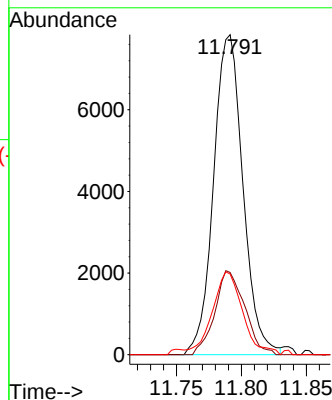
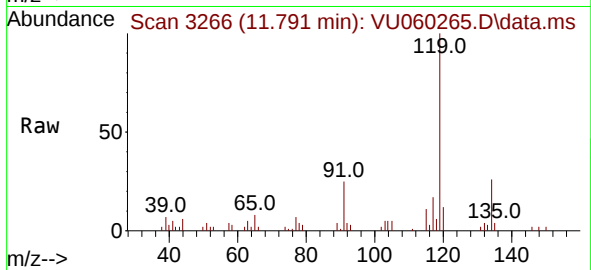
Tgt Ion:119 Resp: 12318

Ion Ratio Lower Upper

119 100

134 26.6 20.6 30.8

91 26.7 18.8 28.2



#82

1,3-Dichlorobenzene

Concen: 0.401 ug/l

RT: 11.743 min Scan# 3251

Delta R.T. 0.003 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

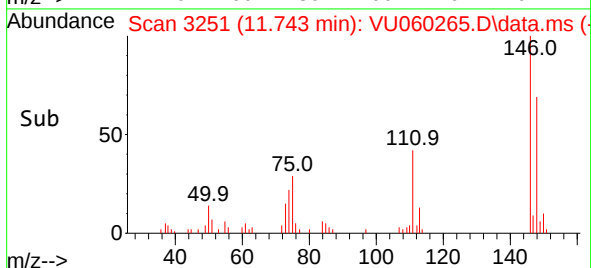
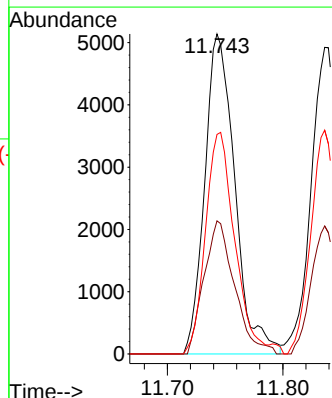
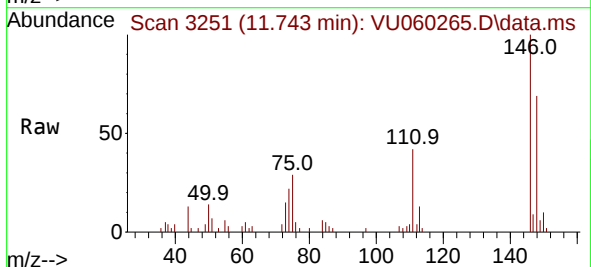
Tgt Ion:146 Resp: 9285

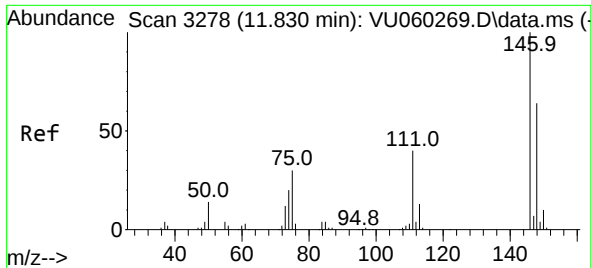
Ion Ratio Lower Upper

146 100

111 42.2 33.7 50.5

148 67.1 52.0 78.0

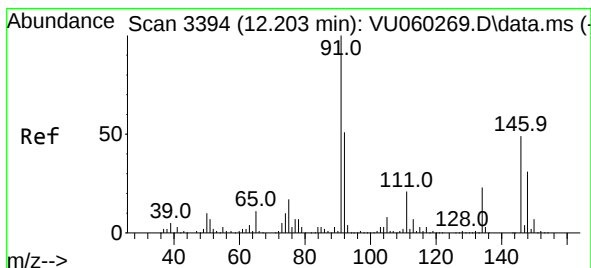
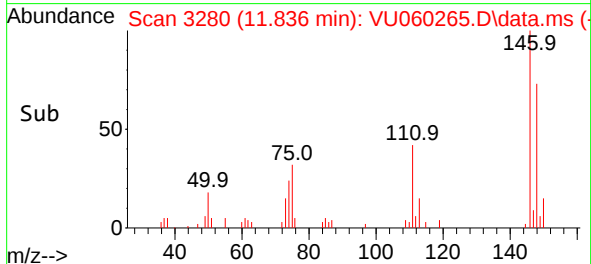
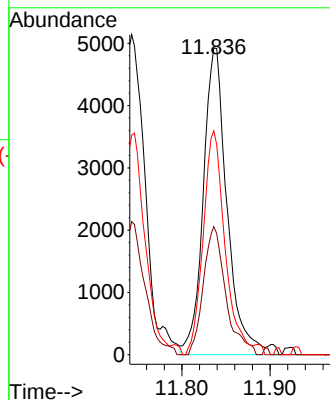
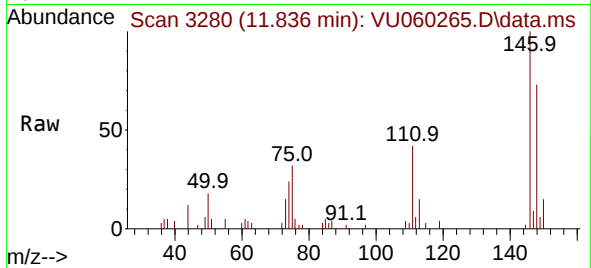




#83  
1,4-Dichlorobenzene  
Concen: 0.407 ug/l m  
RT: 11.836 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

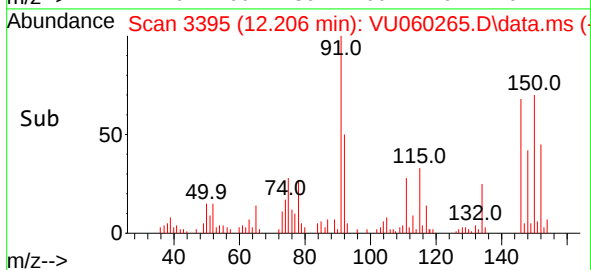
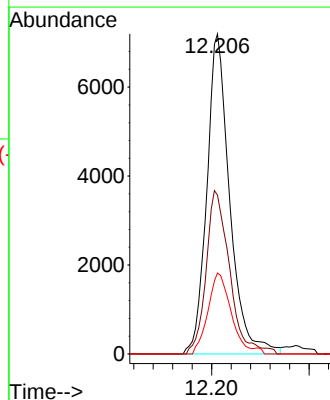
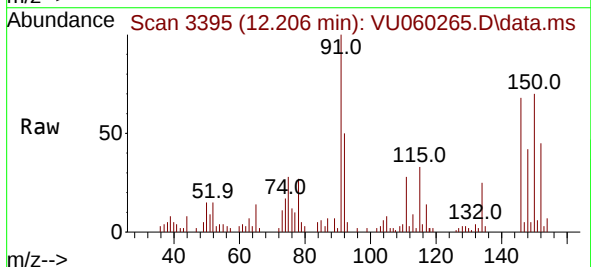
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC0.5

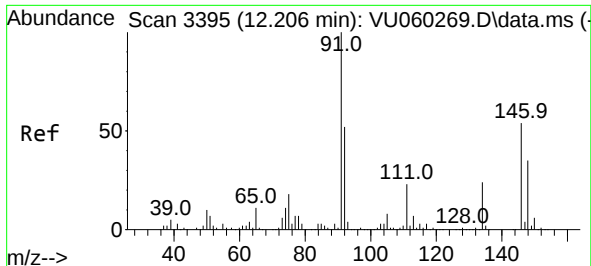
Tgt Ion:146 Resp: 9303  
Ion Ratio Lower Upper  
146 100  
111 39.0 31.3 46.9  
148 66.4 50.6 76.0



#84  
n-Butylbenzene  
Concen: 0.617 ug/l  
RT: 12.206 min Scan# 3395  
Delta R.T. 0.003 min  
Lab File: VU060265.D  
Acq: 30 Jul 2024 15:11

Tgt Ion: 91 Resp: 11746  
Ion Ratio Lower Upper  
91 100  
92 52.3 41.1 61.7  
134 25.2 18.8 28.2

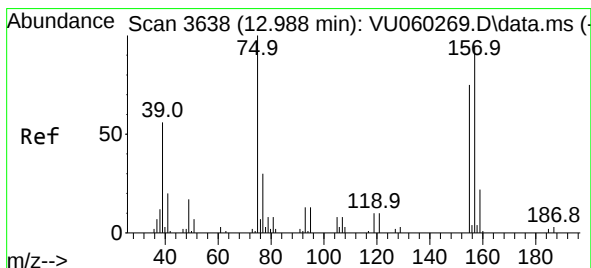
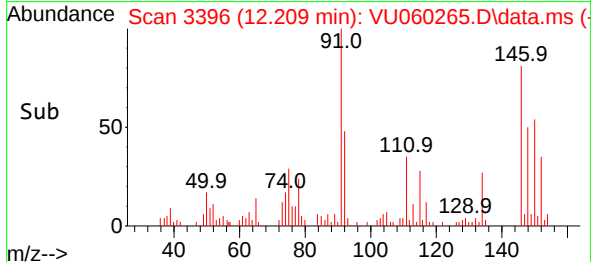
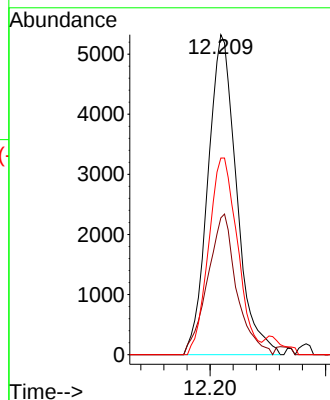
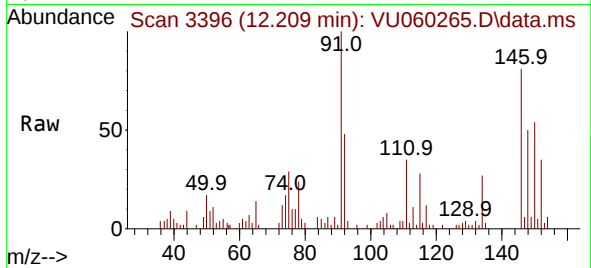




#85  
 1,2-Dichlorobenzene  
 Concen: 0.409 ug/l  
 RT: 12.209 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

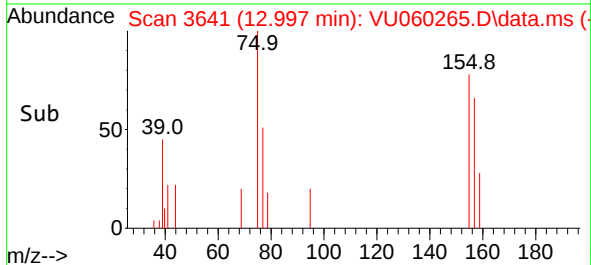
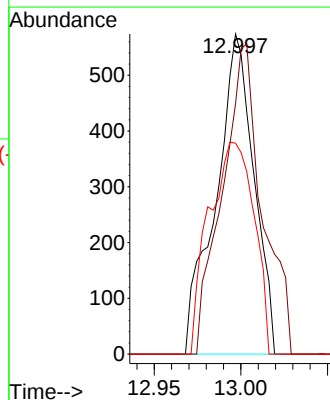
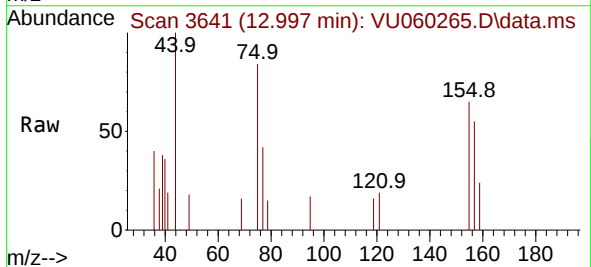
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

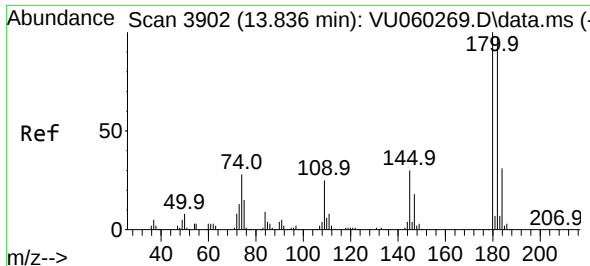
Tgt Ion:146 Resp: 9185  
 Ion Ratio Lower Upper  
 146 100  
 111 44.4 21.6 64.6  
 148 62.3 32.3 96.8



#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.493 ug/l  
 RT: 12.997 min Scan# 3641  
 Delta R.T. 0.009 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

Tgt Ion: 75 Resp: 879  
 Ion Ratio Lower Upper  
 75 100  
 155 101.3 64.5 96.7#  
 157 78.2 79.3 118.9#

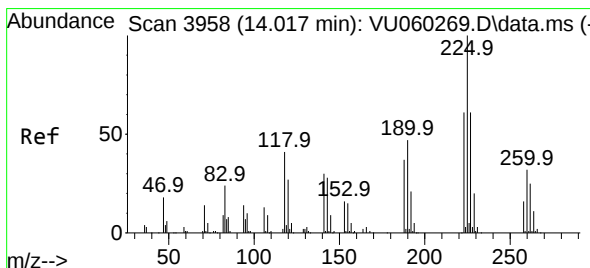
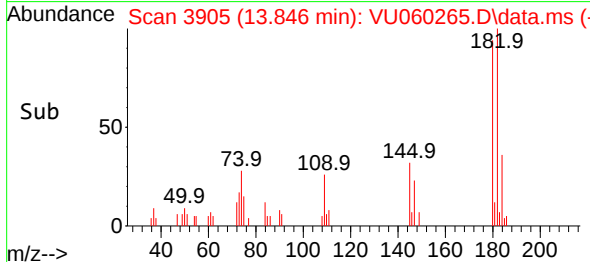
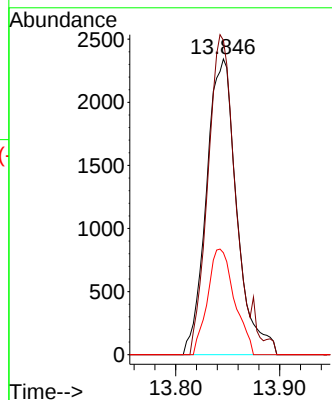
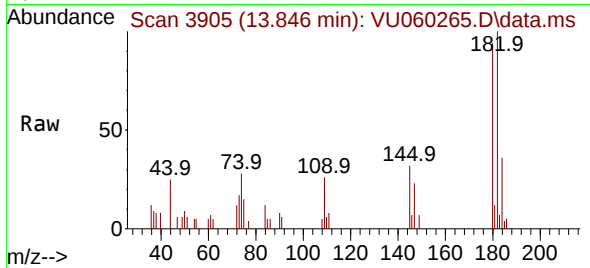




#87  
 1,2,4-Trichlorobenzene  
 Concen: 0.404 ug/l  
 RT: 13.846 min Scan# 3905  
 Delta R.T. 0.009 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

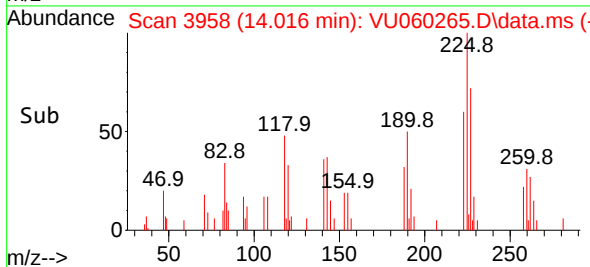
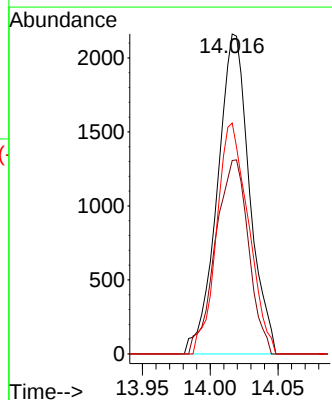
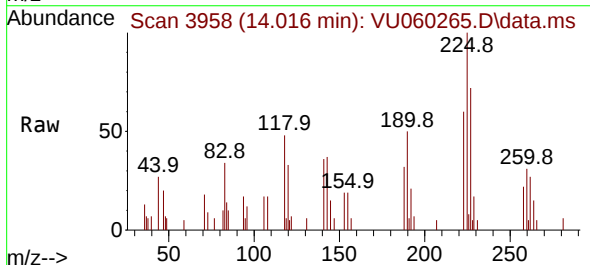
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC0.5

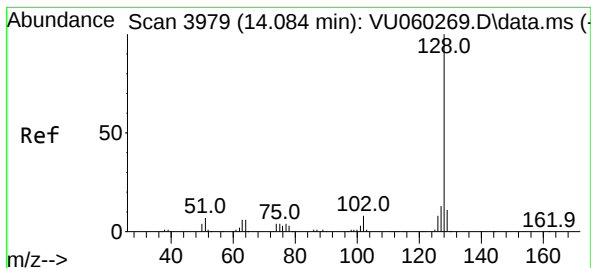
Tgt Ion:180 Resp: 4757  
 Ion Ratio Lower Upper  
 180 100  
 182 99.6 76.5 114.7  
 145 31.6 23.8 35.8



#88  
 Hexachlorobutadiene  
 Concen: 0.459 ug/l  
 RT: 14.016 min Scan# 3958  
 Delta R.T. -0.000 min  
 Lab File: VU060265.D  
 Acq: 30 Jul 2024 15:11

Tgt Ion:225 Resp: 3557  
 Ion Ratio Lower Upper  
 225 100  
 223 62.6 50.2 75.2  
 227 71.5 50.4 75.6





#89

Naphthalene

Concen: 0.520 ug/l

RT: 14.093 min Scan# 3979

Delta R.T. 0.009 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC0.5

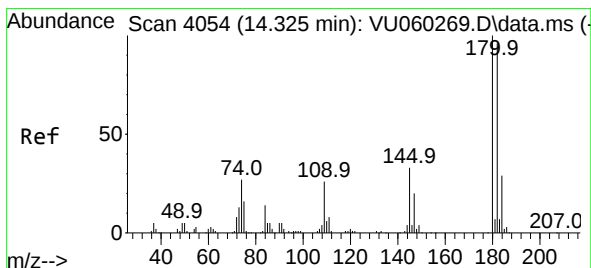
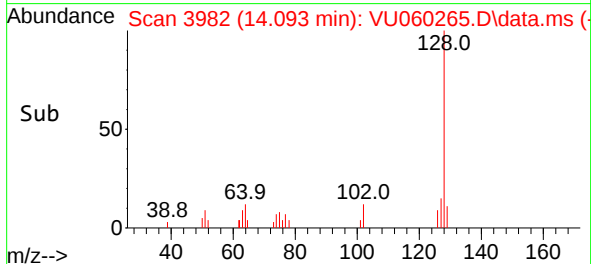
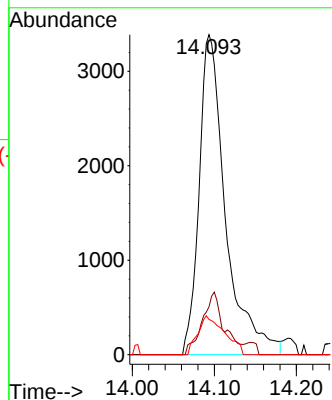
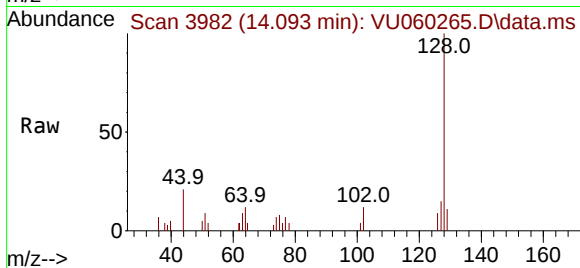
Tgt Ion:128 Resp: 7580

Ion Ratio Lower Upper

128 100

127 16.2 10.5 15.7#

129 12.3 8.7 13.1



#90

1,2,3-Trichlorobenzene

Concen: 0.572 ug/l

RT: 14.331 min Scan# 4056

Delta R.T. 0.006 min

Lab File: VU060265.D

Acq: 30 Jul 2024 15:11

Tgt Ion:180 Resp: 4201

Ion Ratio Lower Upper

180 100

182 99.4 76.2 114.2

145 33.8 25.6 38.4

