

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL111825\  
 Data File : VL043203.D  
 Acq On : 18 Nov 2025 09:29  
 Operator : SY/MD  
 Sample : VSTDIC0.5  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

Quant Time: Nov 19 00:48:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111825AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Nov 19 00:48:15 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 110490   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.956 | 114  | 296493   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.875 | 117  | 247761   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 10.371 | 95    | 180529   | 9.941    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.400% |

|                               |       |     |       |        |        |     |
|-------------------------------|-------|-----|-------|--------|--------|-----|
| Target Compounds              |       |     |       | Qvalue |        |     |
| 2) Dichlorodifluoromethane    | 1.496 | 85  | 7723  | 0.496  | ppbv   | 99  |
| 3) Chlorodifluoromethane      | 1.473 | 51  | 8538  | 0.557  | ppbv # | 82  |
| 4) Chloromethane              | 1.531 | 50  | 2881  | 0.494  | ppbv   | 94  |
| 5) Vinyl Chloride             | 1.580 | 62  | 2947  | 0.462  | ppbv # | 87  |
| 6) Bromomethane               | 1.667 | 94  | 1656  | 0.536  | ppbv   | 97  |
| 7) Chloroethane               | 1.703 | 64  | 1357  | 0.547  | ppbv   | 100 |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 6386  | 0.493  | ppbv   | 100 |
| 9) Propene                    | 1.483 | 41  | 3739  | 0.526  | ppbv # | 1   |
| 10) Heptane                   | 4.972 | 43  | 5844  | 0.300  | ppbv # | 28  |
| 11) Trichlorofluoromethane    | 1.878 | 101 | 6841  | 0.453  | ppbv   | 92  |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 5863  | 0.497  | ppbv   | 99  |
| 13) Ethanol                   | 1.719 | 45  | 1190  | 0.520  | ppbv   | 64  |
| 14) Bromoethene               | 1.781 | 108 | 2476  | 0.548  | ppbv # | 75  |
| 15) Acetone                   | 1.836 | 43  | 9506  | 0.619  | ppbv # | 88  |
| 16) 1,3-Butadiene             | 1.606 | 39  | 4115  | 0.601  | ppbv   | 95  |
| 17) tert-Butyl alcohol        | 2.043 | 59  | 9854  | 0.489  | ppbv # | 68  |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 3068  | 0.559  | ppbv   | 96  |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 4687  | 0.540  | ppbv # | 51  |
| 20) Methylene Chloride        | 2.059 | 84  | 5006  | 0.349  | ppbv   | 92  |
| 21) Allyl Chloride            | 2.095 | 41  | 6291  | 0.609  | ppbv   | 95  |
| 22) trans-1,2-Dichloroethene  | 2.337 | 96  | 3343  | 0.533  | ppbv   | 80  |
| 23) Vinyl Acetate             | 2.464 | 43  | 10414 | 0.562  | ppbv # | 92  |
| 24) 1,1-Dichloroethane        | 2.409 | 63  | 5803  | 0.479  | ppbv # | 96  |
| 25) Ethyl Acetate             | 2.839 | 43  | 13478 | 0.406  | ppbv # | 84  |
| 26) Hexane                    | 2.823 | 57  | 7589  | 0.523  | ppbv # | 91  |
| 27) Carbon Disulfide          | 2.150 | 76  | 7198  | 0.486  | ppbv # | 1   |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 3545  | 0.498  | ppbv # | 15  |
| 29) Chloroform                | 2.849 | 83  | 10800 | 0.523  | ppbv   | 95  |
| 30) Cyclohexane               | 3.849 | 84  | 6271  | 0.515  | ppbv   | 85  |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 7728  | 0.536  | ppbv   | 87  |
| 32) 1,1,1-Trichloroethane     | 3.363 | 97  | 10886 | 0.490  | ppbv   | 98  |
| 34) 2-Butanone                | 2.557 | 43  | 11026 | 0.527  | ppbv   | 95  |
| 35) Carbon Tetrachloride      | 3.761 | 117 | 11551 | 0.513  | ppbv   | 94  |
| 36) Benzene                   | 3.655 | 78  | 14759 | 0.520  | ppbv # | 91  |
| 37) 1,2-Dichloroethane        | 3.218 | 62  | 8477  | 0.510  | ppbv # | 93  |
| 38) Trichloroethene           | 4.542 | 130 | 5775  | 0.519  | ppbv # | 87  |
| 39) 1,2-Dichloropropane       | 4.312 | 63  | 5510  | 0.530  | ppbv # | 80  |
| 40) 1,4-Dioxane               | 4.597 | 88  | 1334  | 0.286  | ppbv # | 40  |
| 41) Tetrahydrofuran           | 3.059 | 42  | 6193  | 0.536  | ppbv   | 95  |
| 42) Bromodichloromethane      | 4.490 | 83  | 11597 | 0.506  | ppbv # | 84  |
| 43) Methyl Methacrylate       | 4.865 | 69  | 2151  | 0.143  | ppbv # | 1   |
| 44) 2,2,4-Trimethylpentane    | 4.642 | 57  | 25890 | 0.531  | ppbv   | 95  |
| 45) t-1,3-Dichloropropene     | 6.412 | 75  | 7343  | 0.523  | ppbv   | 94  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL111825\  
 Data File : VL043203.D  
 Acq On : 18 Nov 2025 09:29  
 Operator : SY/MD  
 Sample : VSTDICC0.5  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.5

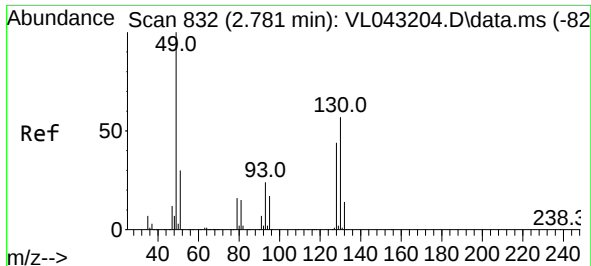
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111825AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Nov 19 00:48:15 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.593  | 75   | 7004     | 0.425 | ppbv # | 87       |
| 47) 1,1,2-Trichloroethane     | 6.581  | 97   | 3211     | 0.290 | ppbv # | 64       |
| 48) Dibromochloromethane      | 7.380  | 129  | 9327     | 0.492 | ppbv   | 97       |
| 49) Bromoform                 | 9.481  | 173  | 8636     | 0.514 | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.755  | 43   | 15190    | 0.515 | ppbv   | 92       |
| 51) 2-Hexanone                | 7.442  | 43   | 11594    | 0.506 | ppbv # | 93       |
| 52) Tetrachloroethene         | 8.218  | 164  | 5097     | 0.483 | ppbv # | 82       |
| 53) Toluene                   | 6.933  | 91   | 6863     | 0.203 | ppbv # | 21       |
| 54) 1,2-Dibromoethane         | 7.649  | 107  | 8708     | 0.537 | ppbv   | 90       |
| 56) 1,1,1,2-Tetrachloroethane | 8.917  | 131  | 5419     | 0.298 | ppbv # | 34       |
| 57) Chlorobenzene             | 8.917  | 112  | 12818    | 0.504 | ppbv   | 98       |
| 58) Ethyl Benzene             | 9.351  | 91   | 23866    | 0.500 | ppbv   | 96       |
| 59) m/p-Xylene                | 9.549  | 91   | 19470    | 0.507 | ppbv # | 24       |
| 60) o-Xylene                  | 9.956  | 91   | 19621    | 0.514 | ppbv   | 100      |
| 61) Styrene                   | 9.869  | 104  | 8287     | 0.496 | ppbv   | 96       |
| 62) Isopropylbenzene          | 10.536 | 105  | 34773    | 0.509 | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 9.960  | 83   | 12591    | 0.519 | ppbv   | 100      |
| 64) n-propylbenzene           | 10.986 | 120  | 8945     | 0.509 | ppbv   | 100      |
| 65) tert-Butylbenzene         | 11.526 | 119  | 31998    | 0.524 | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.610 | 91   | 3403     | 0.550 | ppbv   | 98       |
| 67) sec-Butylbenzene          | 11.766 | 105  | 44448    | 0.522 | ppbv   | 97       |
| 69) p-Isopropyltoluene        | 11.921 | 119  | 37087    | 0.514 | ppbv   | 100      |
| 70) n-Butylbenzene            | 12.277 | 91   | 33153    | 0.474 | ppbv   | 94       |
| 71) 2-Chlorotoluene           | 10.895 | 91   | 27224    | 0.518 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.122 | 105  | 23963    | 0.515 | ppbv   | 97       |
| 73) 1,3,5-Trimethylbenzene    | 11.199 | 105  | 20104    | 0.515 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.533 | 105  | 22254    | 0.522 | ppbv   | 91       |
| 75) 1,3-Dichlorobenzene       | 11.604 | 146  | 12926    | 0.520 | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 11.672 | 146  | 13076    | 0.526 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 12069    | 0.505 | ppbv   | 97       |
| 78) Hexachloro-1,3-Butadiene  | 13.879 | 225  | 10578    | 0.530 | ppbv   | 98       |
| 79) Naphthalene               | 13.513 | 128  | 18377    | 0.486 | ppbv   | 97       |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 4917     | 0.495 | ppbv   | 91       |
| 81) 1,2,4-Trichlorobenzene    | 13.439 | 180  | 6798     | 0.402 | ppbv   | 97       |

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

Quant Time: Nov 19 00:48:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111825AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Wed Nov 19 00:48:15 2025  
Response via : Initial Calibration

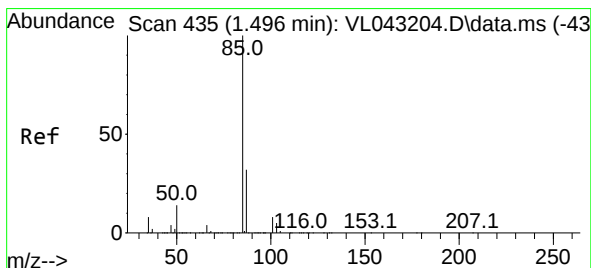
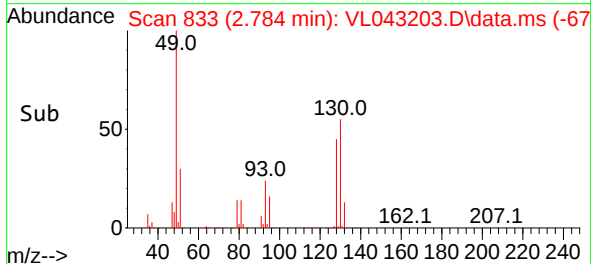
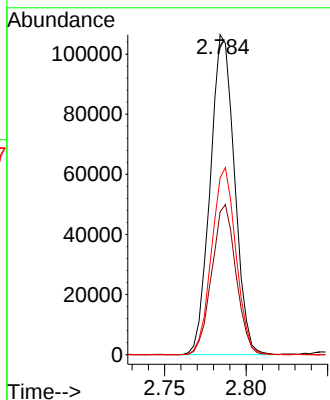
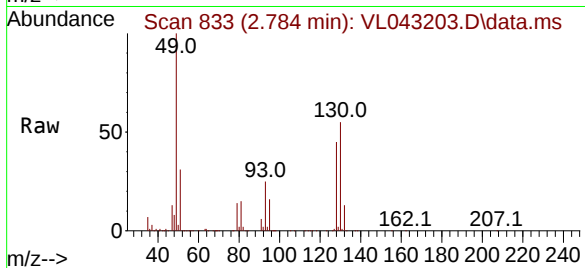




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

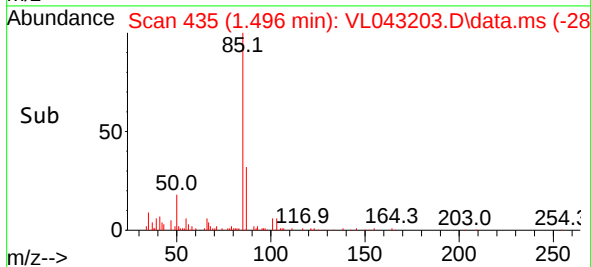
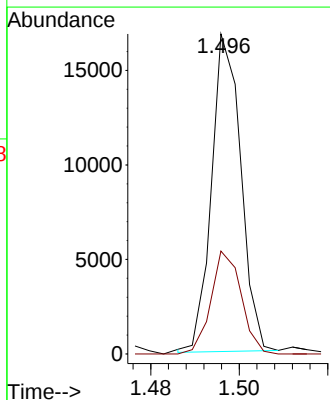
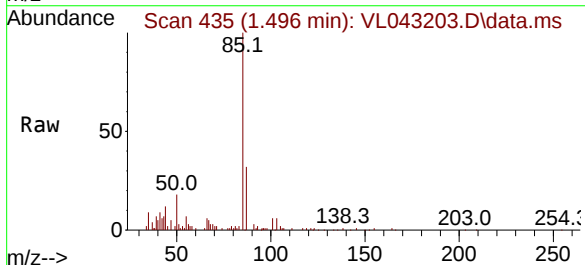
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

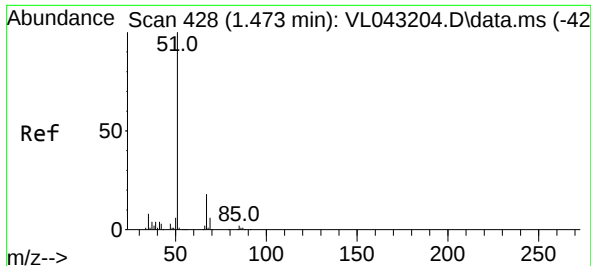
Tgt Ion: 49 Resp: 110490  
Ion Ratio Lower Upper  
49 100  
128 46.6 23.0 69.0  
130 58.4 29.9 89.7



#2  
Dichlorodifluoromethane  
Concen: 0.496 ppbv  
RT: 1.496 min Scan# 435  
Delta R.T. 0.000 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 85 Resp: 7723  
Ion Ratio Lower Upper  
85 100  
87 32.5 25.4 38.2

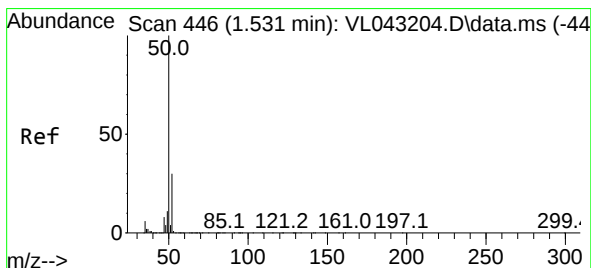
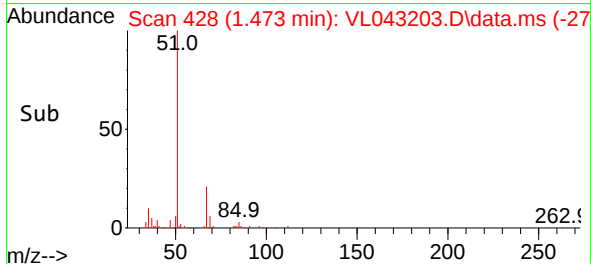
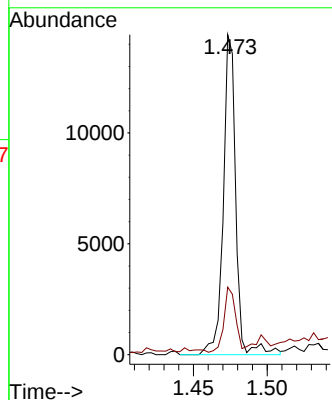
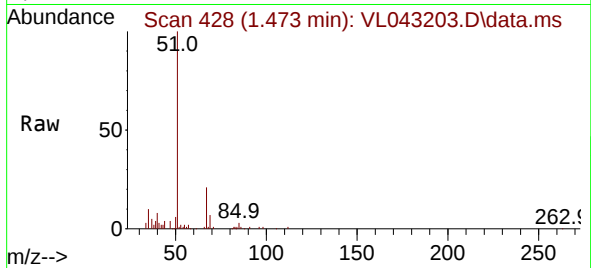




#3  
Chlorodifluoromethane  
Concen: 0.557 ppbv  
RT: 1.473 min Scan# 428  
Delta R.T. 0.000 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

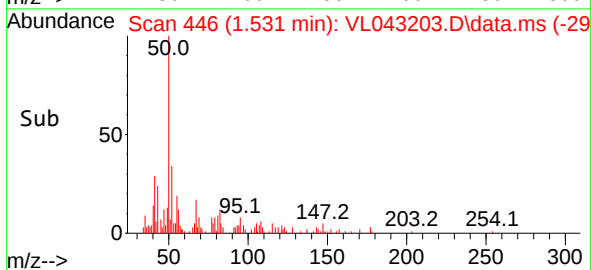
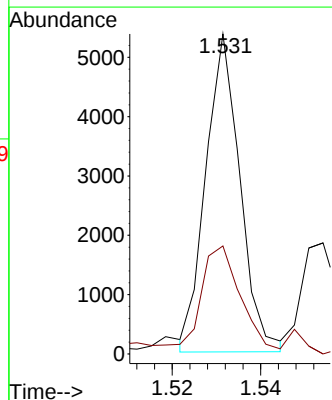
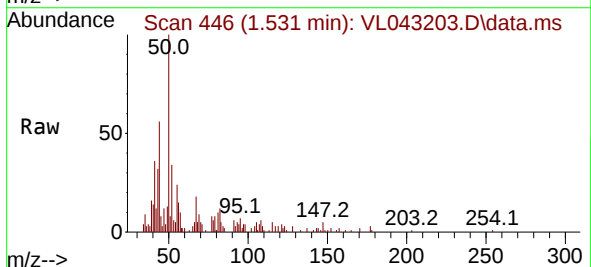
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

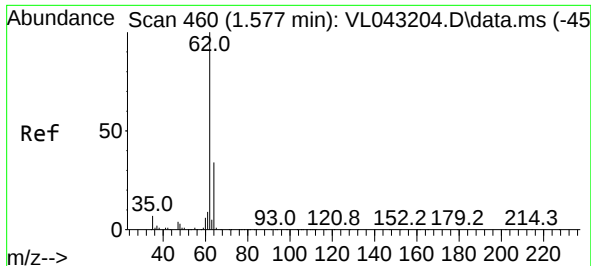
Tgt Ion: 51 Resp: 8538  
Ion Ratio Lower Upper  
51 100  
67 26.4 14.9 22.3#



#4  
Chloromethane  
Concen: 0.494 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. 0.000 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 50 Resp: 2881  
Ion Ratio Lower Upper  
50 100  
52 33.5 24.1 36.1

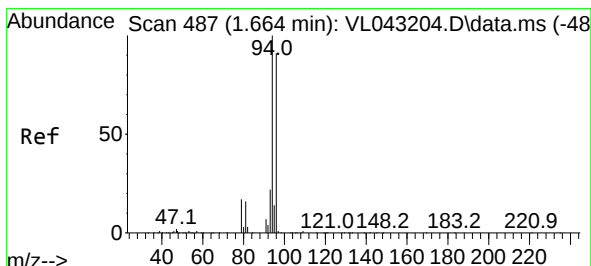
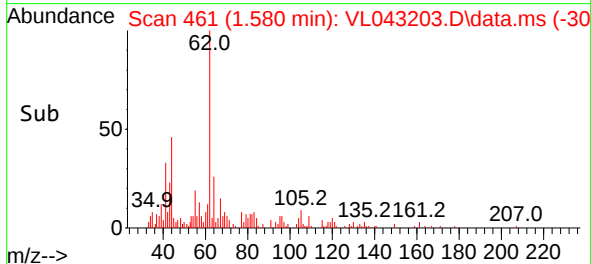
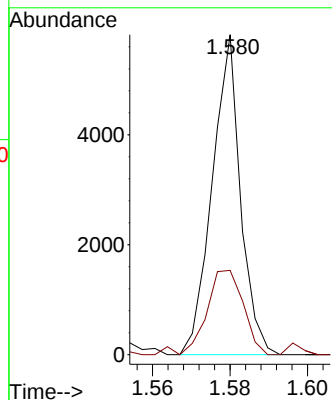
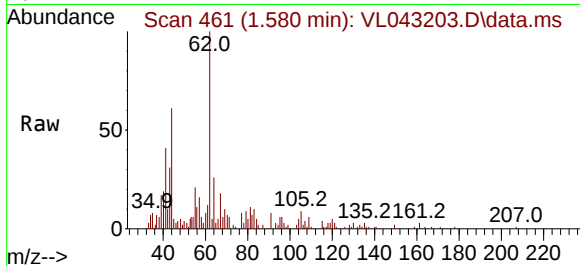




#5  
 Vinyl Chloride  
 Concen: 0.462 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

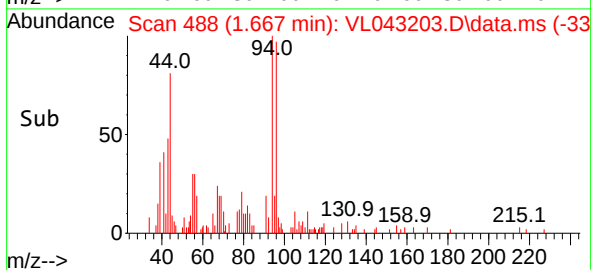
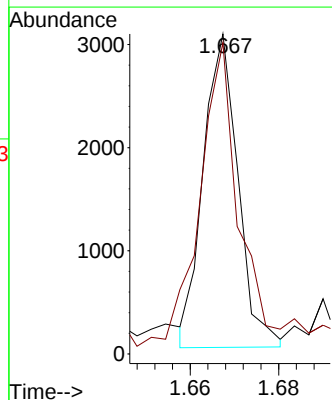
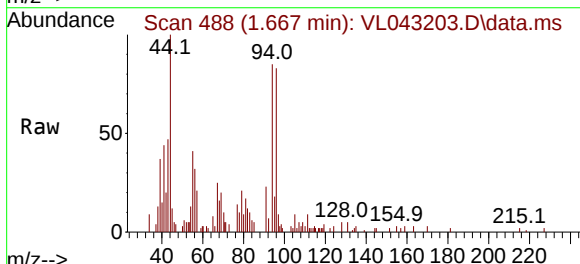
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.5

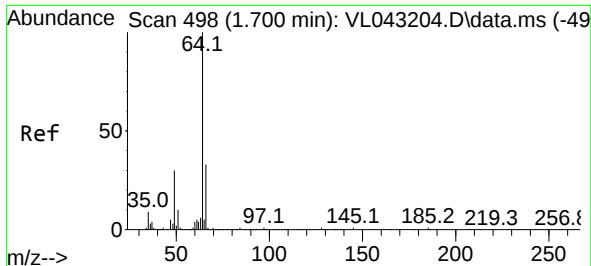
Tgt Ion: 62 Resp: 2947  
 Ion Ratio Lower Upper  
 62 100  
 64 26.4 27.3 40.9#



#6  
 Bromomethane  
 Concen: 0.536 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

Tgt Ion: 94 Resp: 1656  
 Ion Ratio Lower Upper  
 94 100  
 96 93.9 72.9 109.3

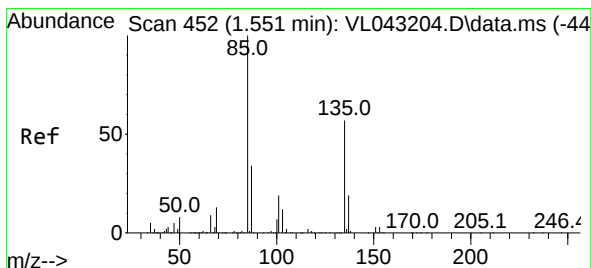
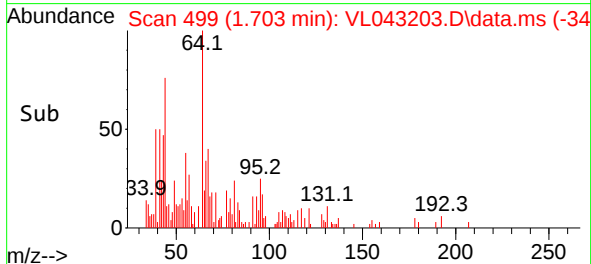
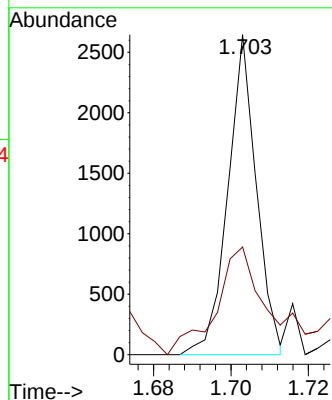
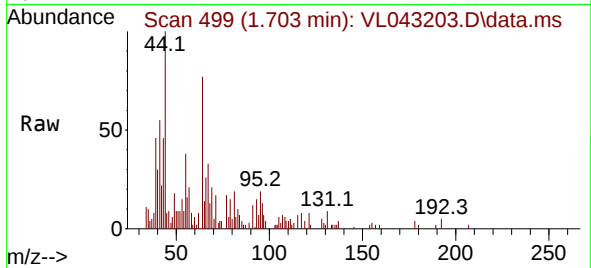




#7  
Chloroethane  
Concen: 0.547 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

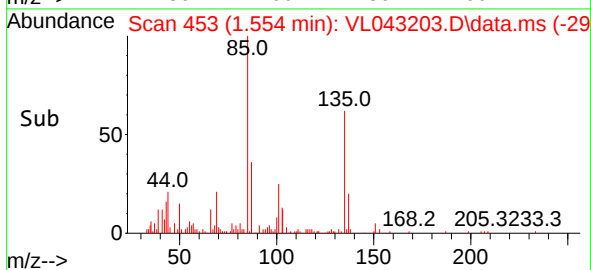
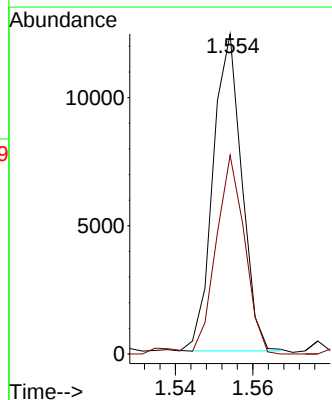
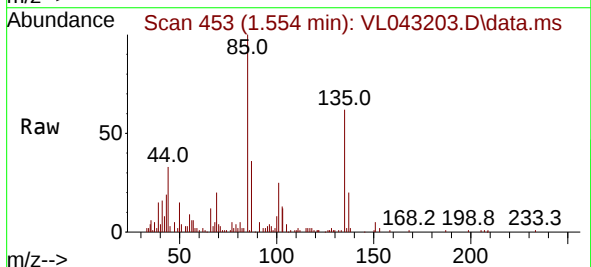
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.5

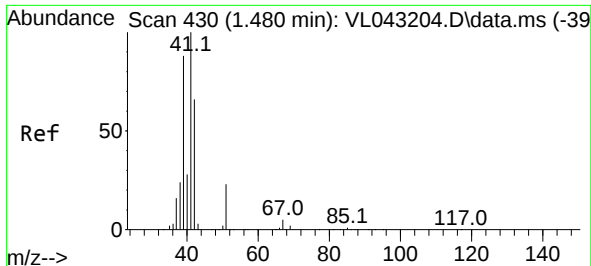
Tgt Ion: 64 Resp: 1357  
Ion Ratio Lower Upper  
64 100  
66 33.7 26.8 40.2



#8  
Dichlorotetrafluoroethane  
Concen: 0.493 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 85 Resp: 6386  
Ion Ratio Lower Upper  
85 100  
135 65.8 52.6 79.0





#9

Propene

Concen: 0.526 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_1

ClientSampleId :

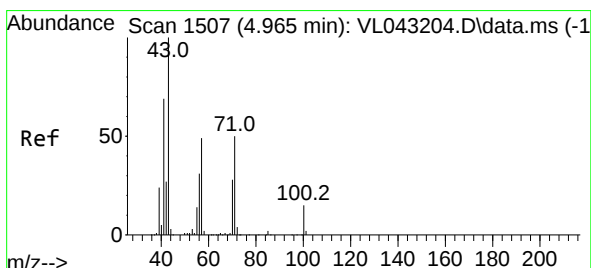
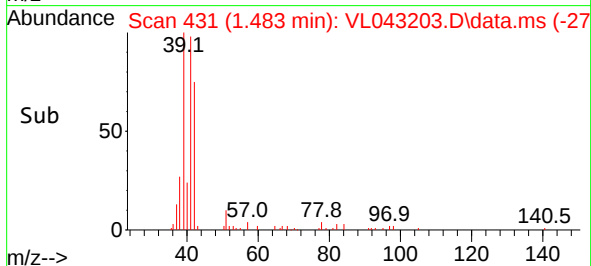
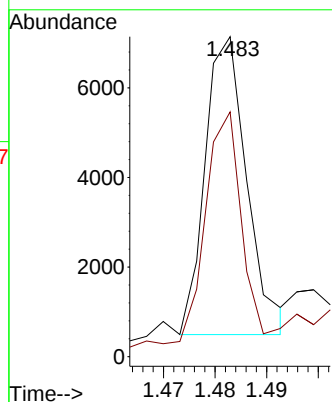
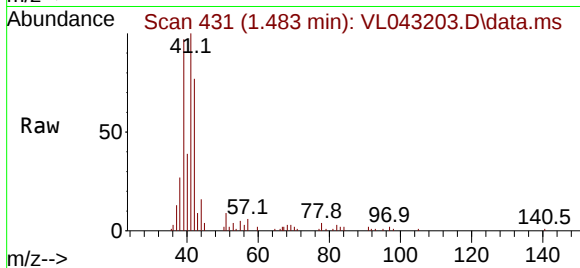
VSTDICC0.5

Tgt Ion: 41 Resp: 3739

Ion Ratio Lower Upper

41 100

42 121.9 3.7 5.5#



#10

Heptane

Concen: 0.300 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. 0.007 min

Lab File: VL043203.D

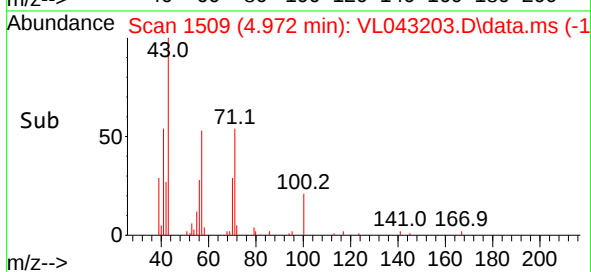
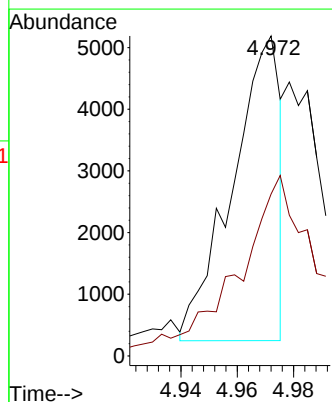
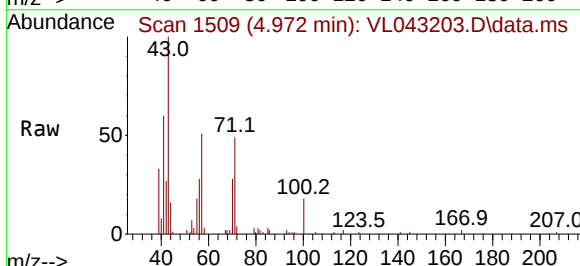
Acq: 18 Nov 2025 09:29

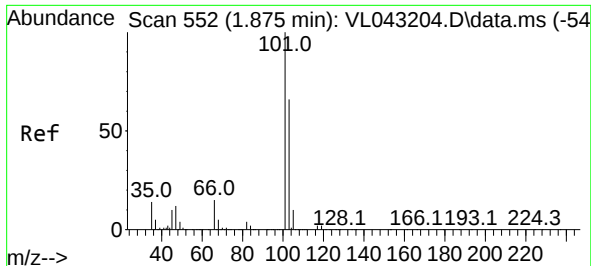
Tgt Ion: 43 Resp: 5844

Ion Ratio Lower Upper

43 100

57 0.0 39.7 59.5#

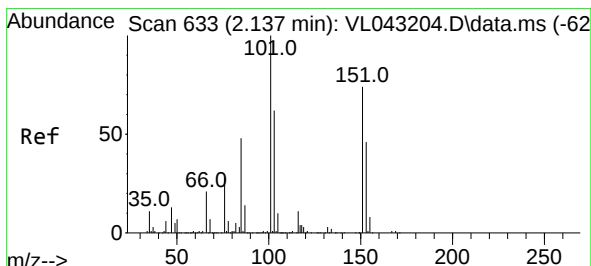
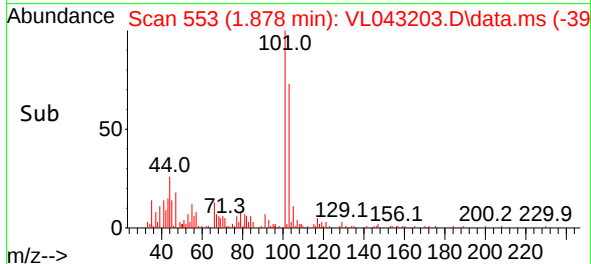
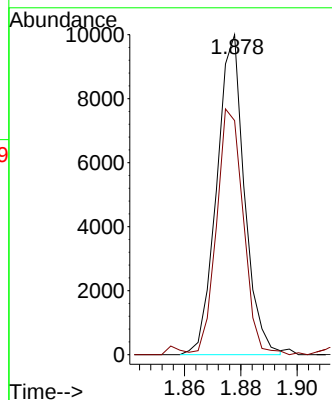
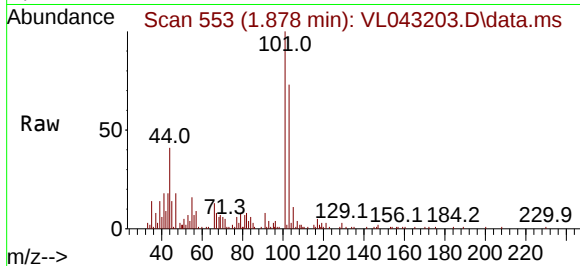




#11  
 Trichlorofluoromethane  
 Concen: 0.453 ppbv  
 RT: 1.878 min Scan# 511  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

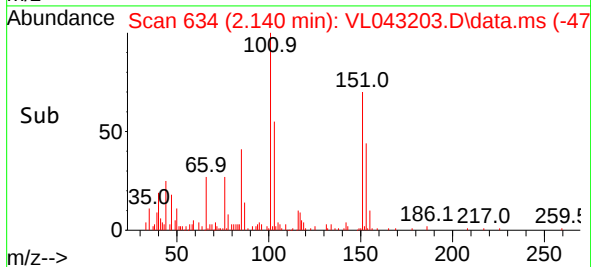
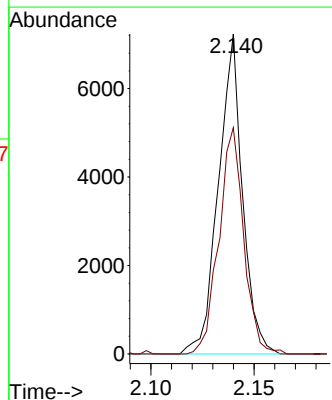
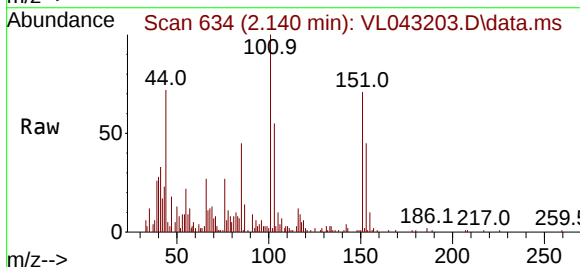
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

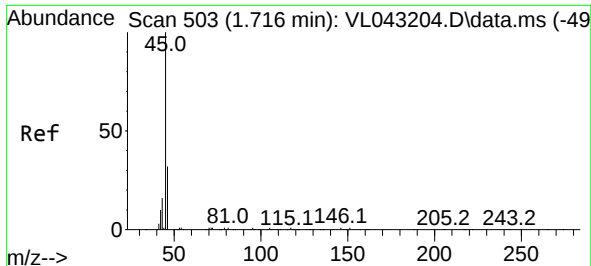
Tgt Ion:101 Resp: 6841  
 Ion Ratio Lower Upper  
 101 100  
 103 71.8 52.6 79.0



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.497 ppbv  
 RT: 2.140 min Scan# 634  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

Tgt Ion:101 Resp: 5863  
 Ion Ratio Lower Upper  
 101 100  
 151 72.8 59.2 88.8

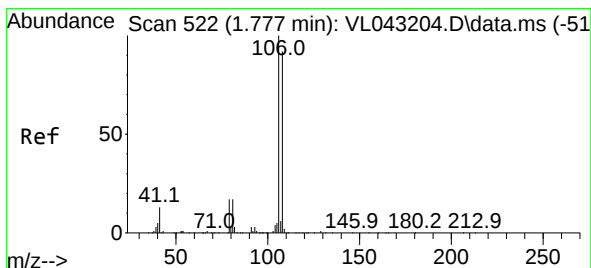
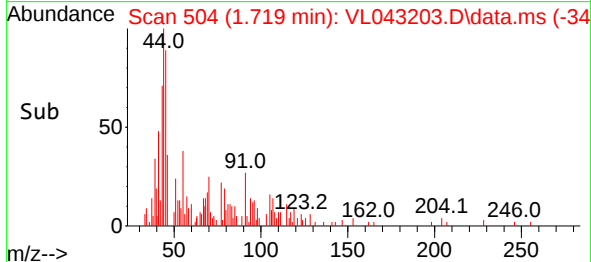
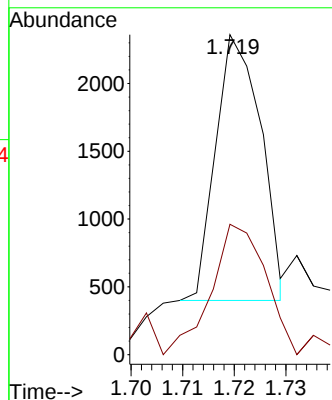
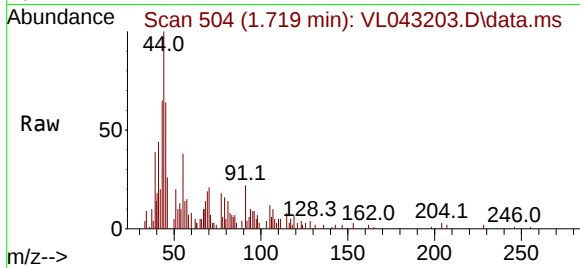




#13  
Ethanol  
Concen: 0.520 ppbv  
RT: 1.719 min Scan# 503  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

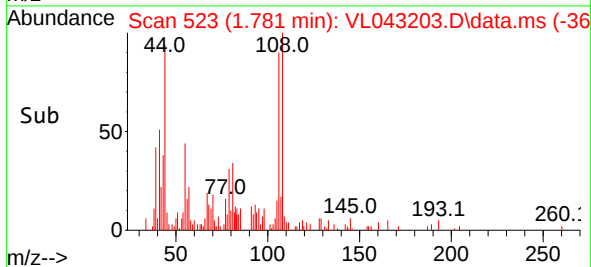
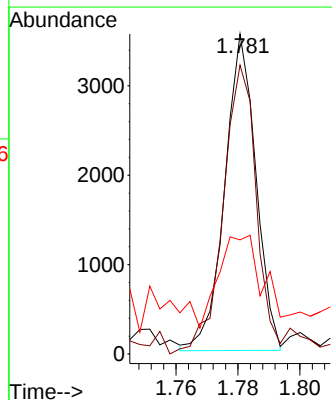
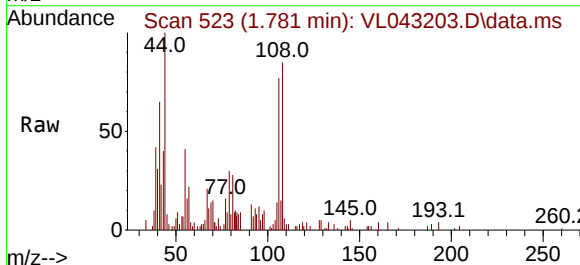
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDICC0.5

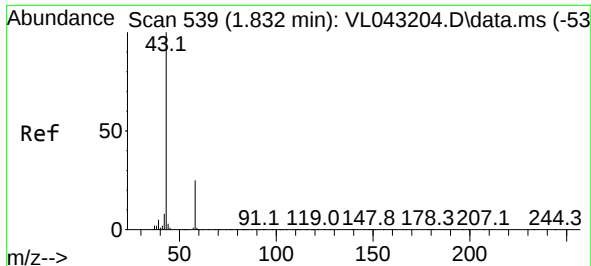
Tgt Ion: 45 Resp: 1190  
Ion Ratio Lower Upper  
45 100  
46 58.7 15.0 59.8



#14  
Bromoethene  
Concen: 0.548 ppbv  
RT: 1.781 min Scan# 523  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 108 Resp: 2476  
Ion Ratio Lower Upper  
108 100  
106 126.4 88.9 133.3  
79 58.5 16.5 24.7#

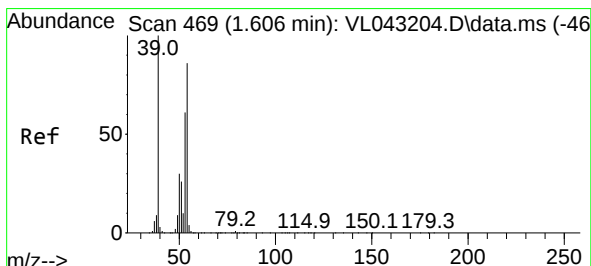
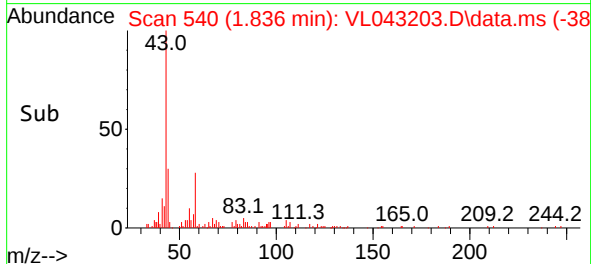
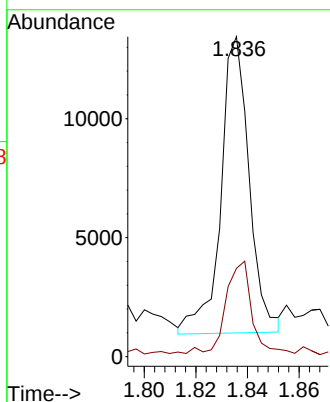
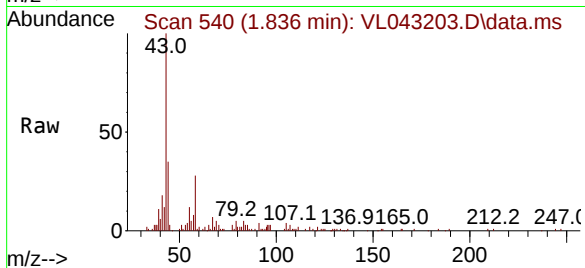




#15  
Acetone  
Concen: 0.619 ppbv  
RT: 1.836 min Scan# 54  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

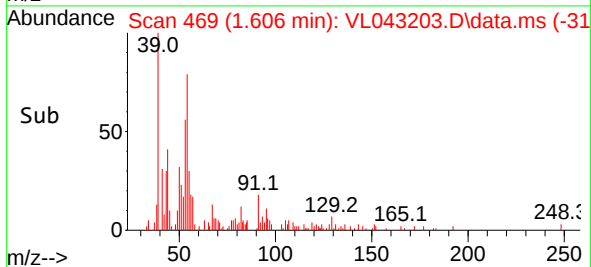
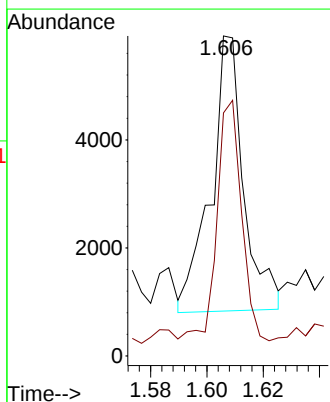
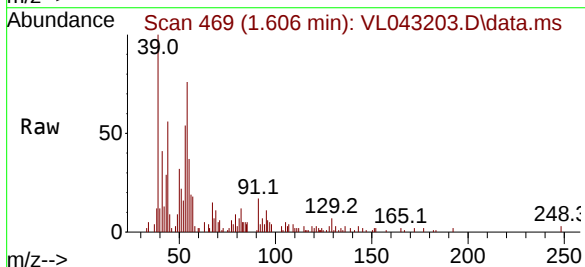
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MSVOA\_1  
ClientSampleId :  
VSTDIC0.5

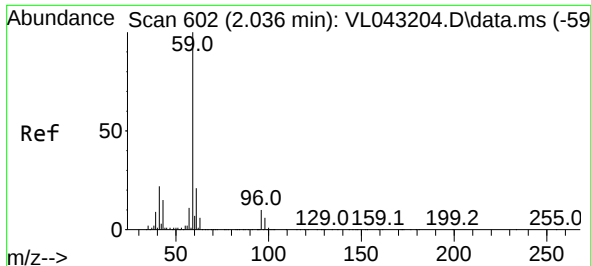
Tgt Ion: 43 Resp: 9506  
Ion Ratio Lower Upper  
43 100  
58 32.0 20.7 31.1#



#16  
1,3-Butadiene  
Concen: 0.601 ppbv  
RT: 1.606 min Scan# 469  
Delta R.T. 0.000 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 39 Resp: 4115  
Ion Ratio Lower Upper  
39 100  
54 70.0 59.4 89.2





#17

tert-Butyl alcohol

Concen: 0.489 ppbv

RT: 2.043 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_L

ClientSampleId :

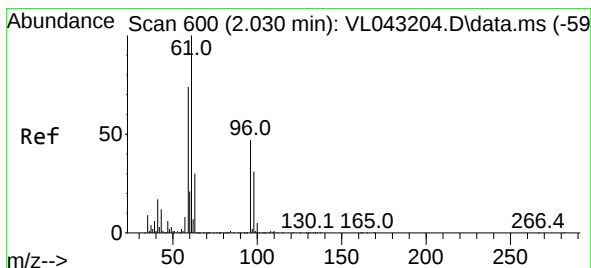
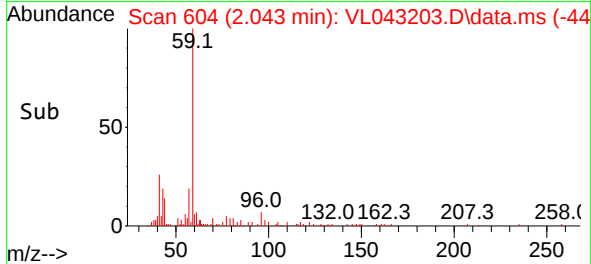
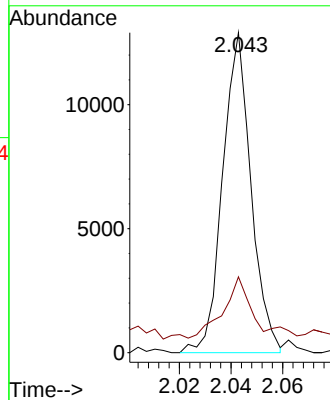
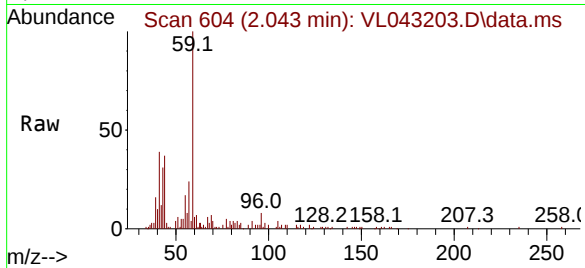
VSTDIC0.5

Tgt Ion: 59 Resp: 9854

Ion Ratio Lower Upper

59 100

57 23.3 9.0 13.4#



#18

1,1-Dichloroethene

Concen: 0.559 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

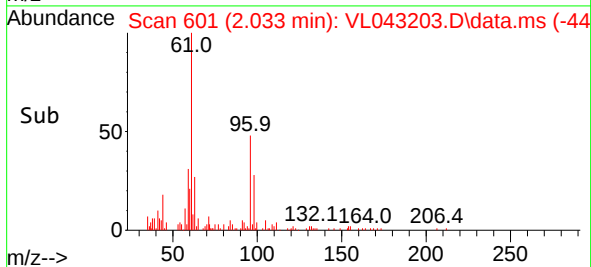
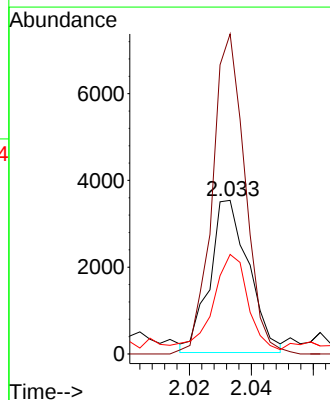
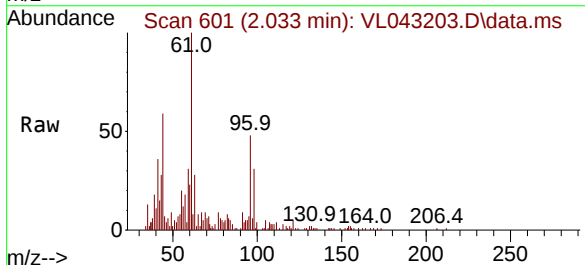
Tgt Ion: 96 Resp: 3068

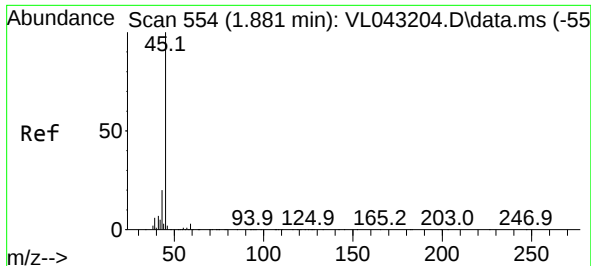
Ion Ratio Lower Upper

96 100

61 220.0 170.6 255.8

98 66.3 52.2 78.4

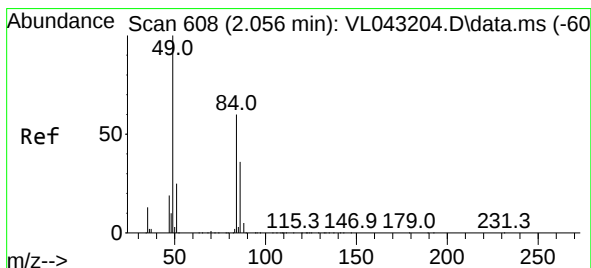
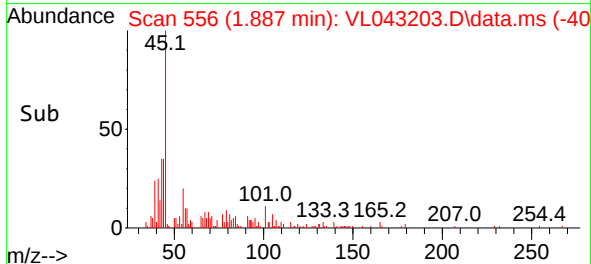
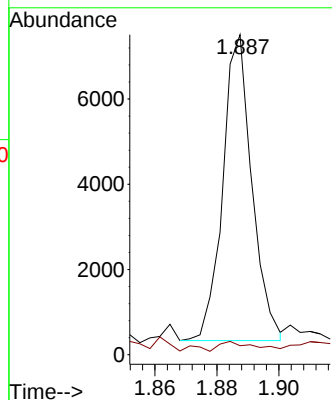
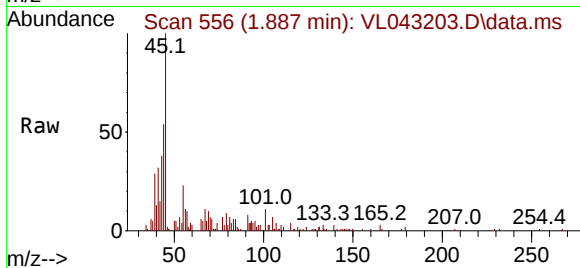




#19  
Isopropyl Alcohol  
Concen: 0.540 ppbv  
RT: 1.887 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

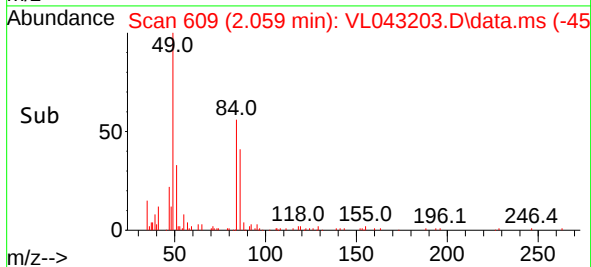
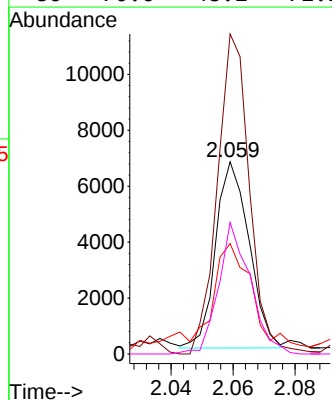
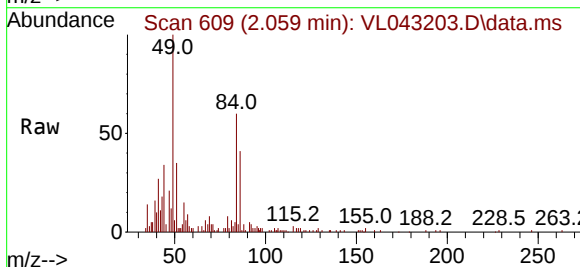
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

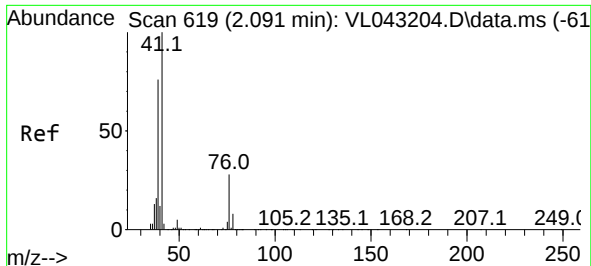
Tgt Ion: 45 Resp: 4687  
Ion Ratio Lower Upper  
45 100  
58 9.0 31.3 46.9#



#20  
Methylene Chloride  
Concen: 0.349 ppbv  
RT: 2.059 min Scan# 609  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 84 Resp: 5006  
Ion Ratio Lower Upper  
84 100  
49 173.9 132.9 199.3  
51 48.8 34.8 52.2  
86 70.6 48.2 72.2

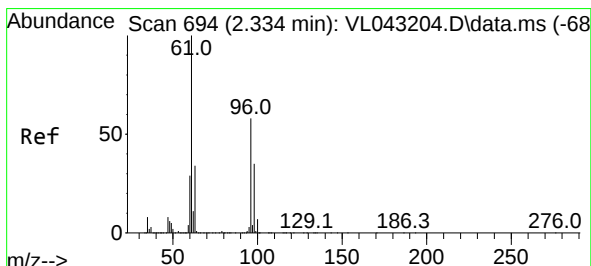
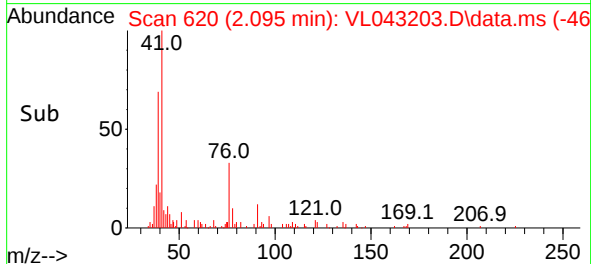
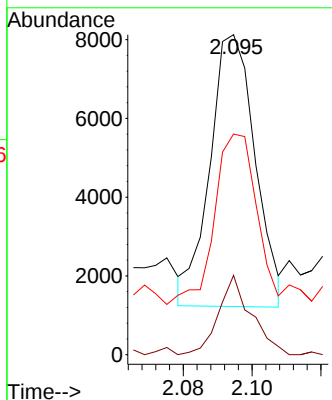
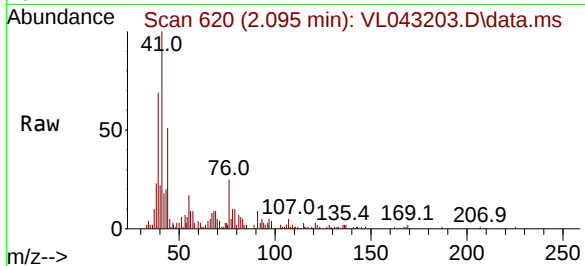




#21  
 Allyl Chloride  
 Concen: 0.609 ppbv  
 RT: 2.095 min Scan# 619  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

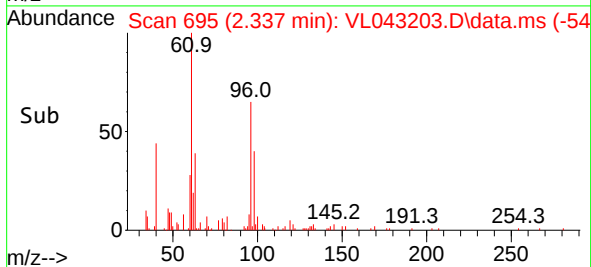
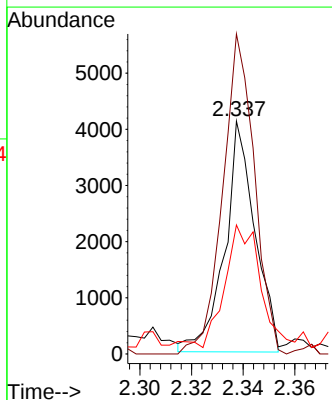
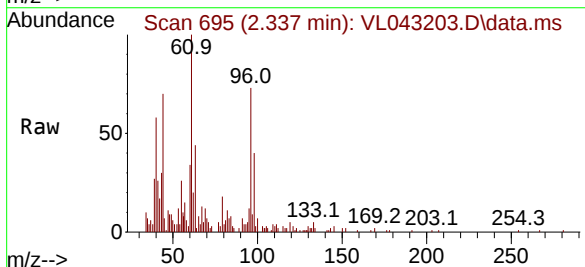
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

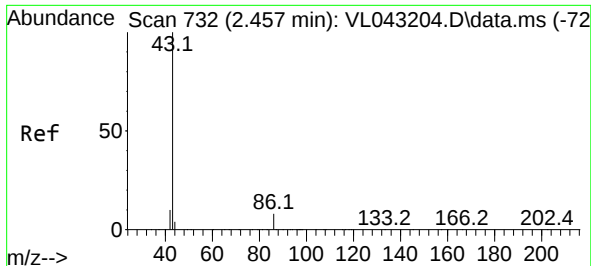
Tgt Ion: 41 Resp: 6291  
 Ion Ratio Lower Upper  
 41 100  
 76 22.2 22.1 33.1  
 39 73.5 61.0 91.4



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.533 ppbv  
 RT: 2.337 min Scan# 695  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

Tgt Ion: 96 Resp: 3343  
 Ion Ratio Lower Upper  
 96 100  
 61 141.8 139.0 208.6  
 98 51.7 49.4 74.2

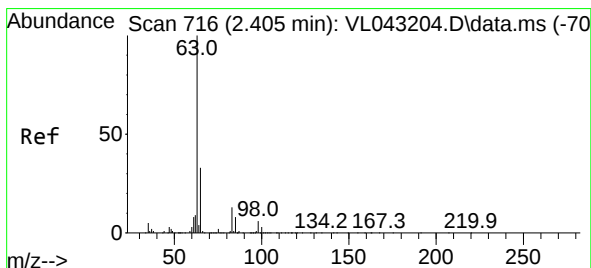
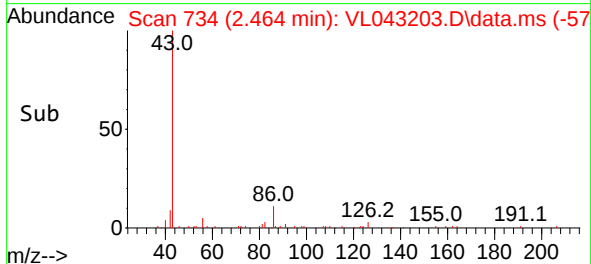
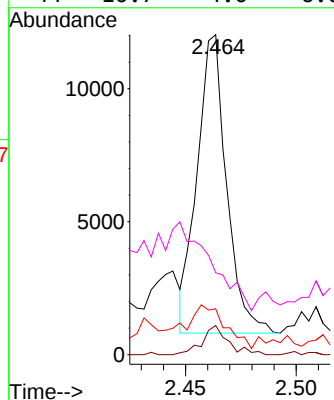
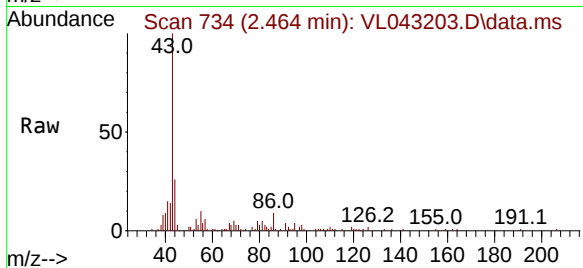




#23  
 Vinyl Acetate  
 Concen: 0.562 ppbv  
 RT: 2.464 min Scan# 71  
 Delta R.T. 0.006 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

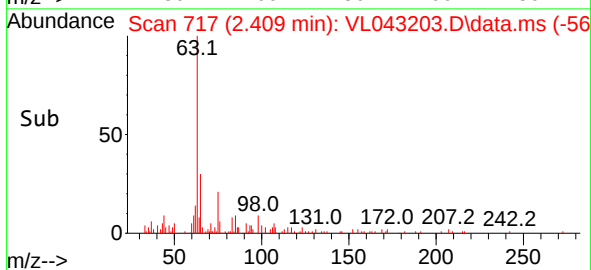
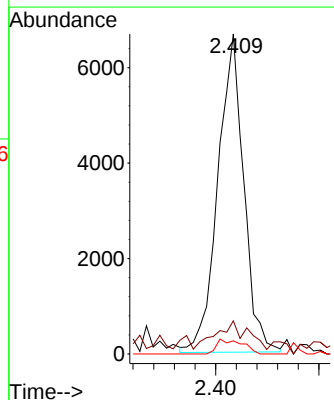
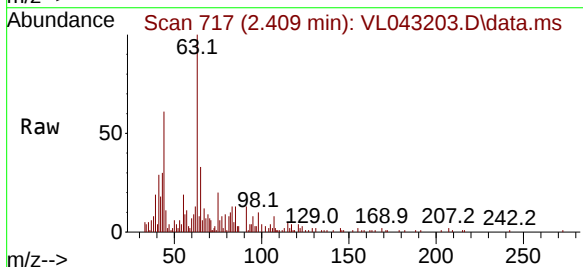
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.5

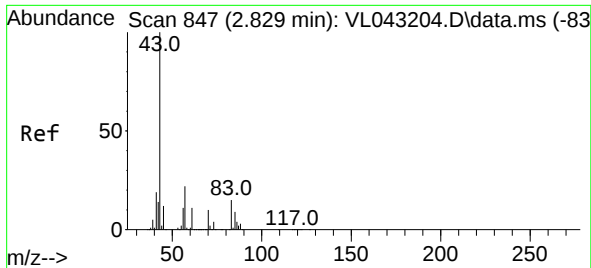
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10414 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 10.8  | 6.2   | 9.2#  |
| 42       | 11.4  | 8.0   | 12.0  |
| 44       | 10.7  | 4.0   | 6.0#  |



#24  
 1,1-Dichloroethane  
 Concen: 0.479 ppbv  
 RT: 2.409 min Scan# 717  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 5803  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 6.6   | 2.8   | 8.4   |
| 100      | 4.2   | 1.3   | 3.9#  |

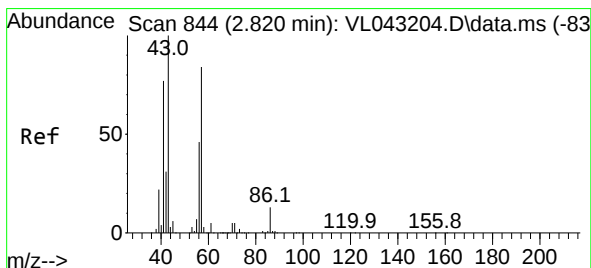
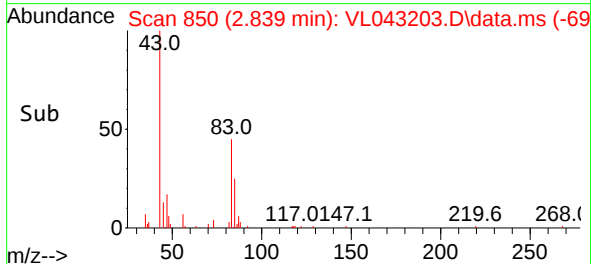
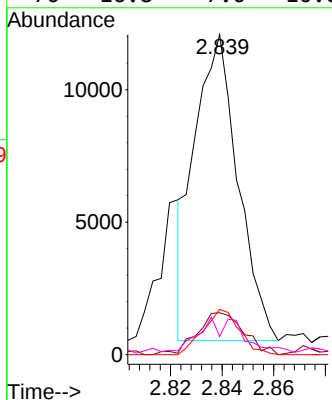
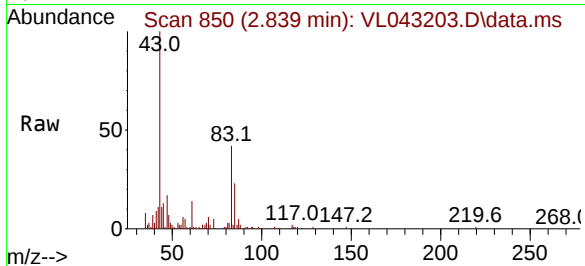




#25  
Ethyl Acetate  
Concen: 0.406 ppbv  
RT: 2.839 min Scan# 847  
Delta R.T. 0.010 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

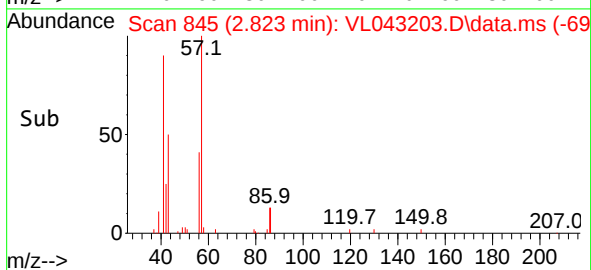
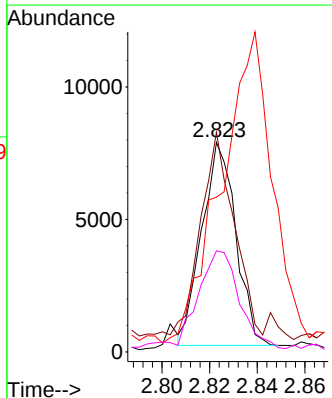
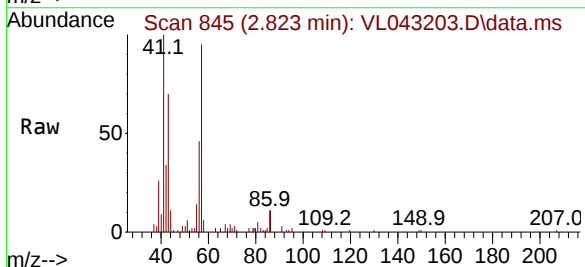
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.5

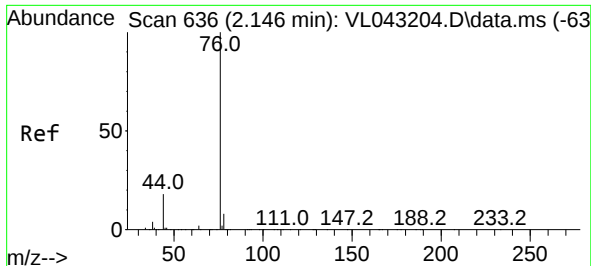
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 13478 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 45 15.5     | 8.1 12.1#   |
| 61 12.4     | 7.0 10.4#   |
| 70 16.8     | 7.0 10.6#   |



#26  
Hexane  
Concen: 0.523 ppbv  
RT: 2.823 min Scan# 845  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

|             |             |
|-------------|-------------|
| Tgt Ion: 57 | Resp: 7589  |
| Ion Ratio   | Lower Upper |
| 57 100      |             |
| 41 114.6    | 74.6 111.8# |
| 43 229.7    | 179.0 268.4 |
| 56 58.1     | 42.3 63.5   |

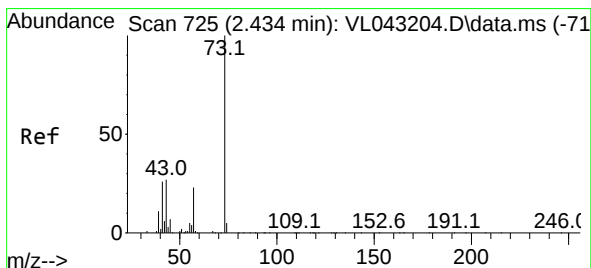
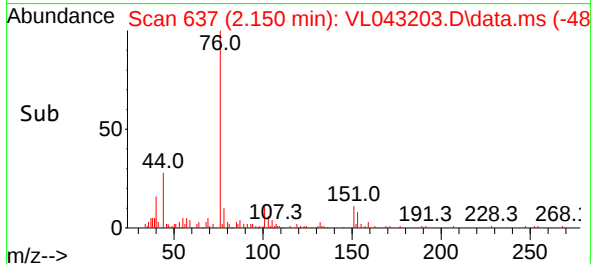
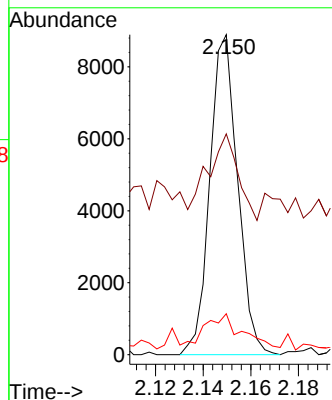
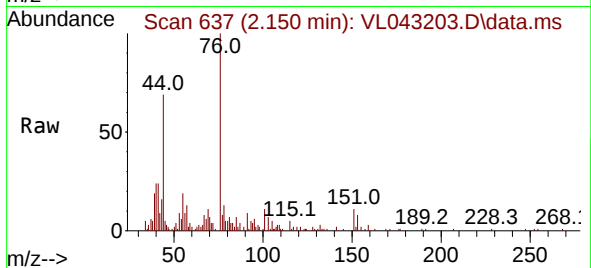




#27  
Carbon Disulfide  
Concen: 0.486 ppbv  
RT: 2.150 min Scan# 611  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

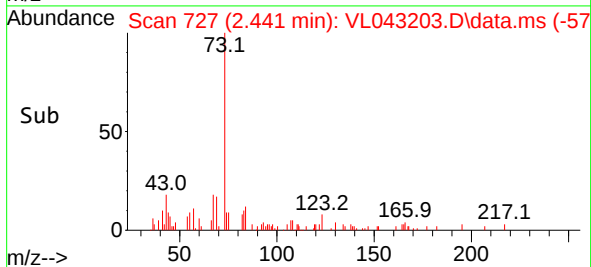
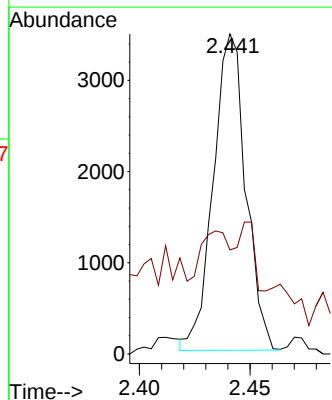
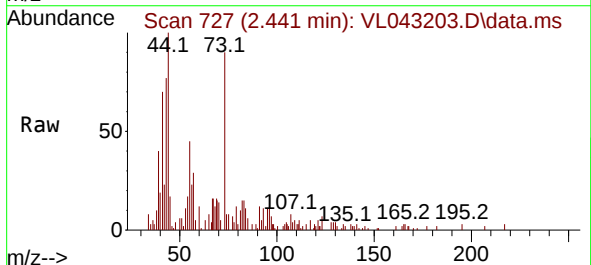
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

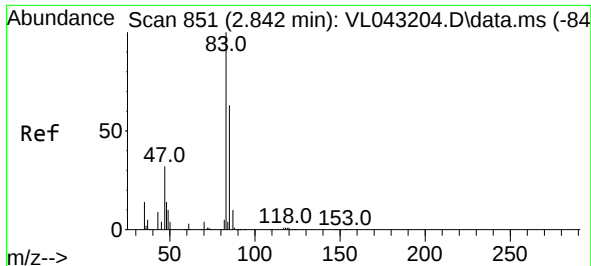
Tgt Ion: 76 Resp: 7198  
Ion Ratio Lower Upper  
76 100  
44 115.9 16.1 24.1#  
78 26.4 9.6 14.4#



#28  
Methyl tert-Butyl Ether  
Concen: 0.498 ppbv  
RT: 2.441 min Scan# 727  
Delta R.T. 0.006 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 73 Resp: 3545  
Ion Ratio Lower Upper  
73 100  
57 67.2 19.8 29.8#

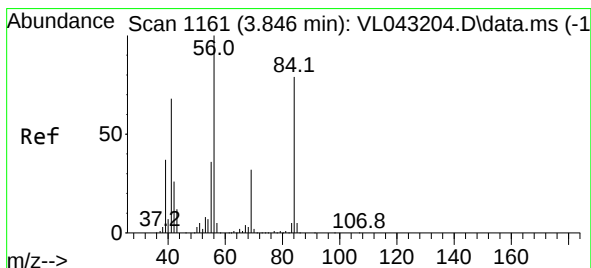
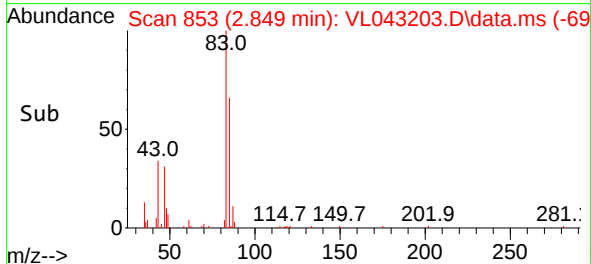
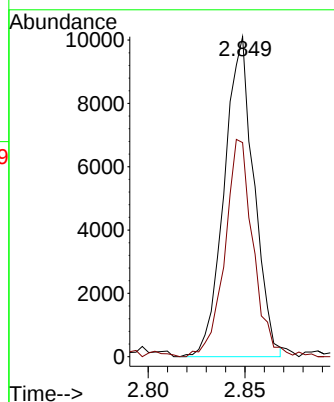
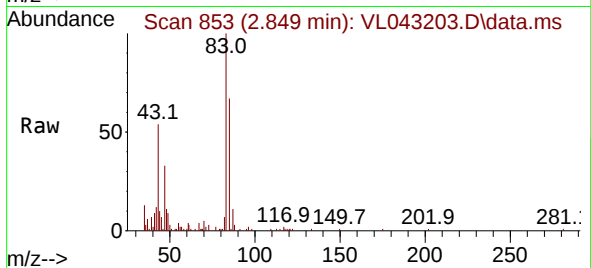




#29  
Chloroform  
Concen: 0.523 ppbv  
RT: 2.849 min Scan# 851  
Delta R.T. 0.006 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

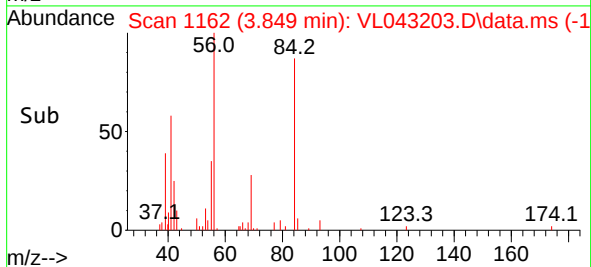
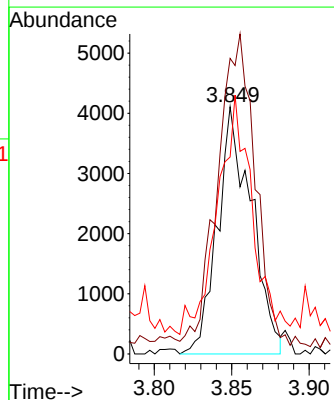
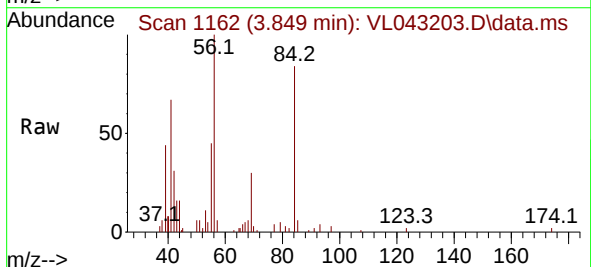
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.5

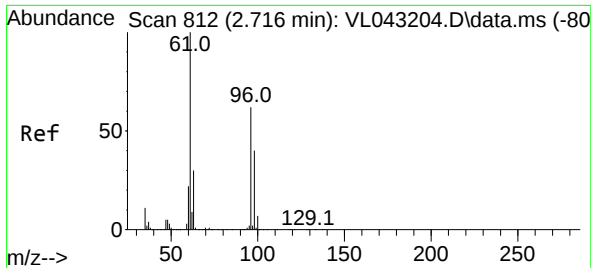
Tgt Ion: 83 Resp: 10800  
Ion Ratio Lower Upper  
83 100  
85 66.9 50.5 75.7



#30  
Cyclohexane  
Concen: 0.515 ppbv  
RT: 3.849 min Scan# 1162  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 84 Resp: 6271  
Ion Ratio Lower Upper  
84 100  
56 148.3 104.7 157.1  
41 99.3 69.0 103.6

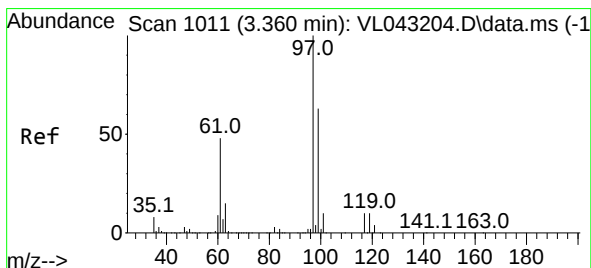
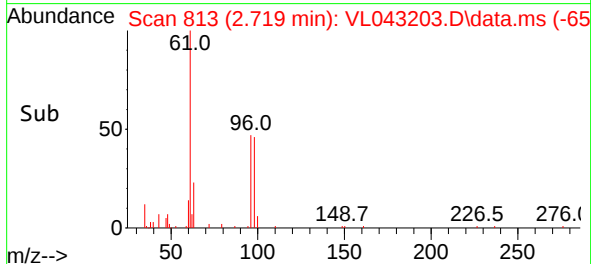
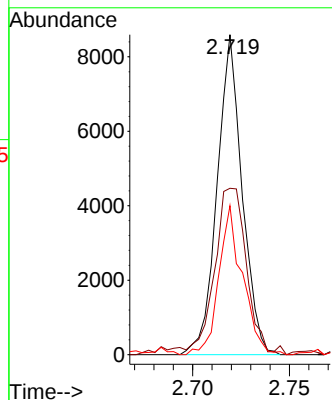
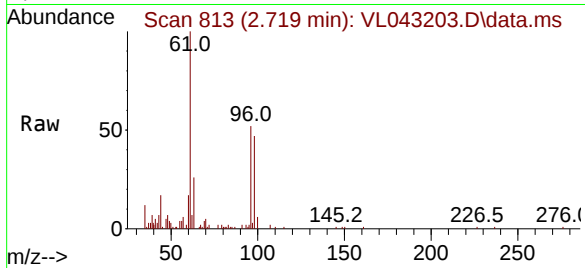




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.536 ppbv  
 RT: 2.719 min Scan# 812  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

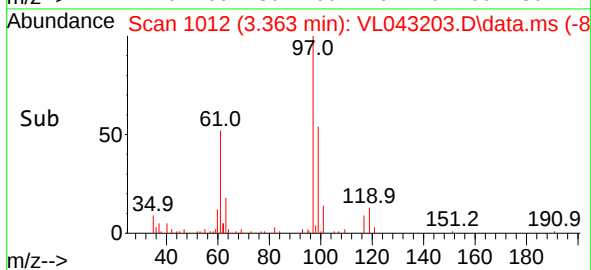
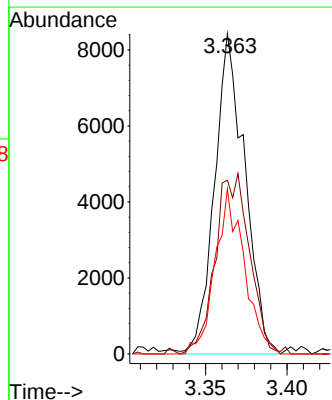
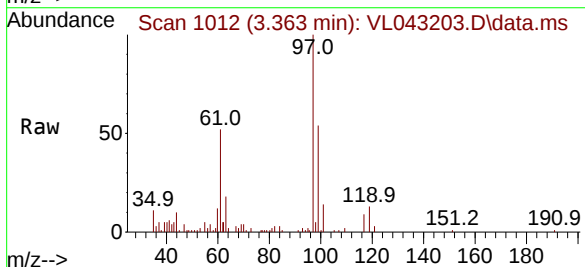
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.5

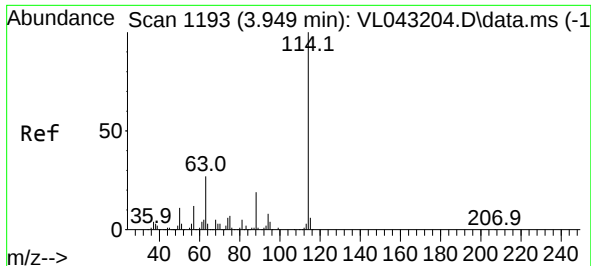
Tgt Ion: 61 Resp: 7728  
 Ion Ratio Lower Upper  
 61 100  
 96 49.8 49.3 73.9  
 98 46.5 32.1 48.1



#32  
 1,1,1-Trichloroethane  
 Concen: 0.490 ppbv  
 RT: 3.363 min Scan# 1012  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

Tgt Ion: 97 Resp: 10886  
 Ion Ratio Lower Upper  
 97 100  
 99 64.4 50.3 75.5  
 61 49.5 38.9 58.3

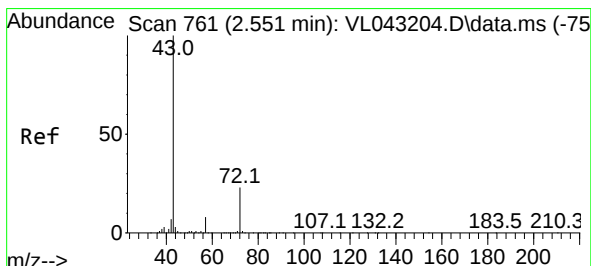
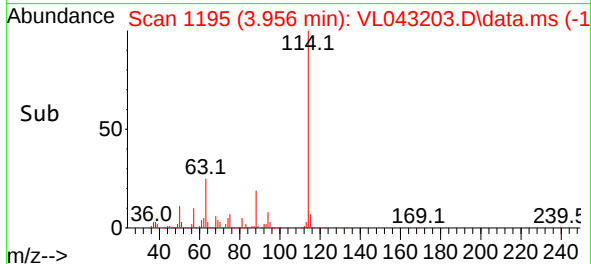
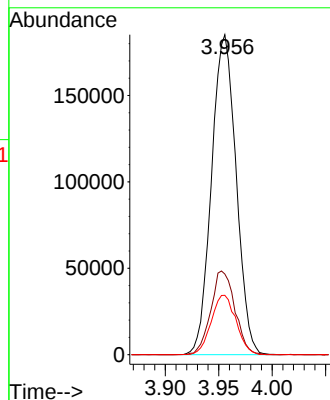
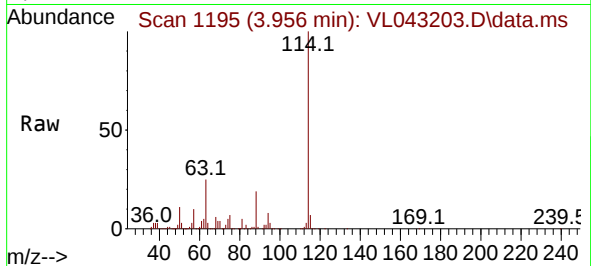




#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.956 min Scan# 1195  
Delta R.T. 0.006 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

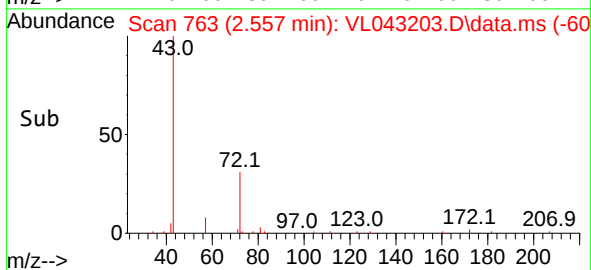
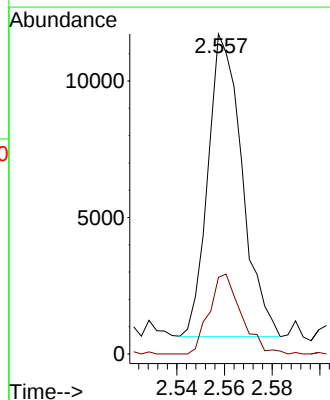
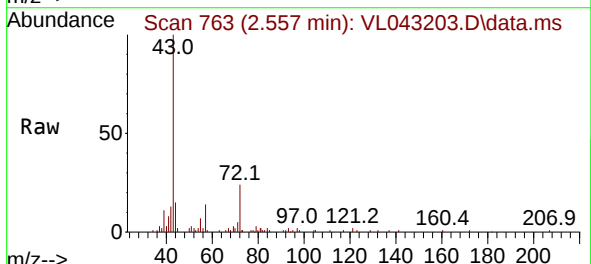
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.5

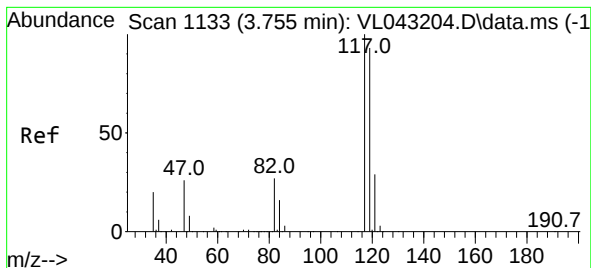
Tgt Ion:114 Resp: 296493  
Ion Ratio Lower Upper  
114 100  
63 25.7 21.0 31.6  
88 18.8 14.9 22.3



#34  
2-Butanone  
Concen: 0.527 ppbv  
RT: 2.557 min Scan# 763  
Delta R.T. 0.006 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 11026  
Ion Ratio Lower Upper  
43 100  
72 24.9 18.1 27.1





#35

Carbon Tetrachloride

Concen: 0.513 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

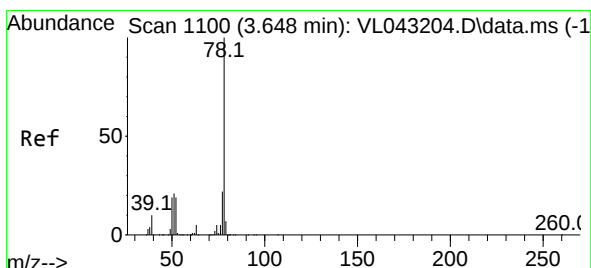
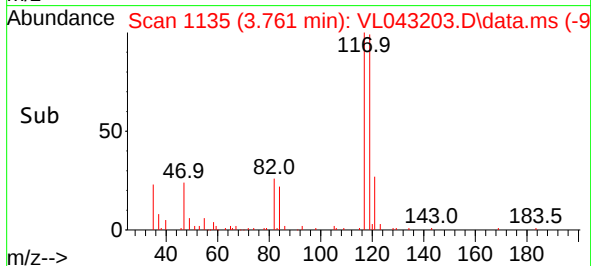
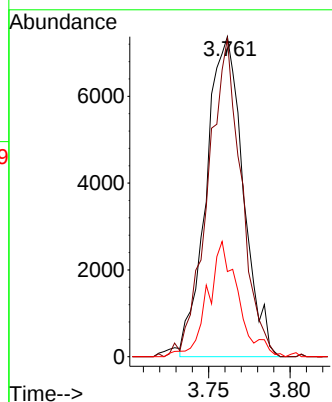
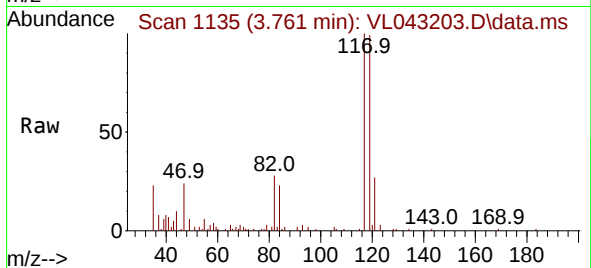
Tgt Ion:117 Resp: 11551

Ion Ratio Lower Upper

117 100

119 99.4 74.6 112.0

121 25.7 23.2 34.8



#36

Benzene

Concen: 0.520 ppbv

RT: 3.655 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

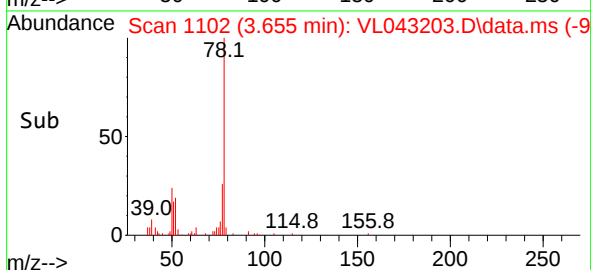
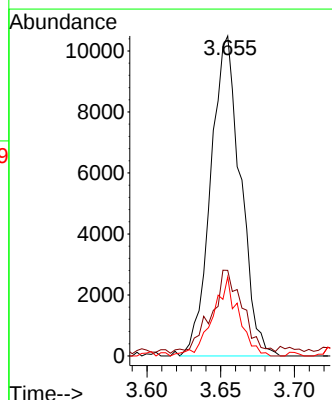
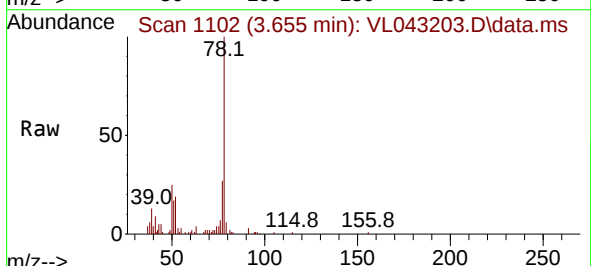
Tgt Ion: 78 Resp: 14759

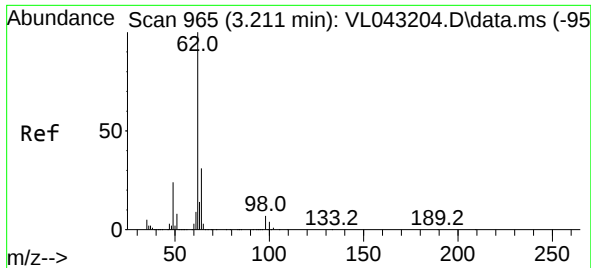
Ion Ratio Lower Upper

78 100

77 24.6 17.5 26.3

50 24.7 15.5 23.3

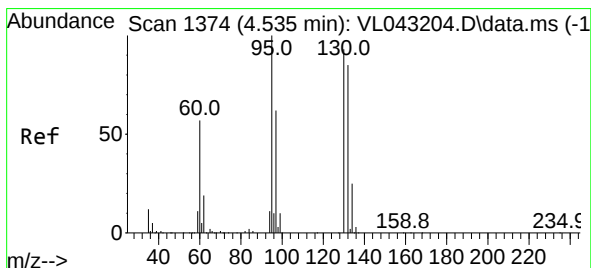
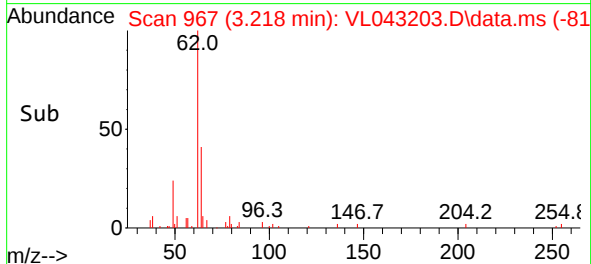
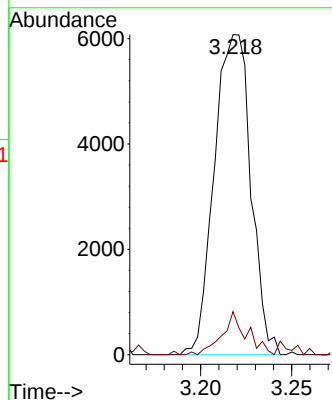
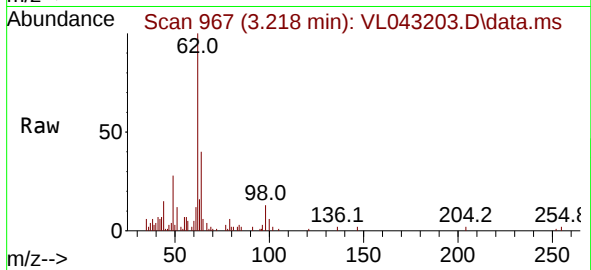




#37  
1,2-Dichloroethane  
Concen: 0.510 ppbv  
RT: 3.218 min Scan# 967  
Delta R.T. 0.006 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

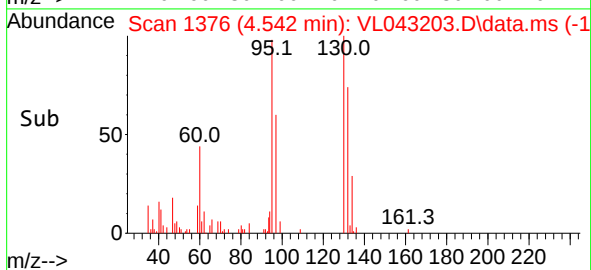
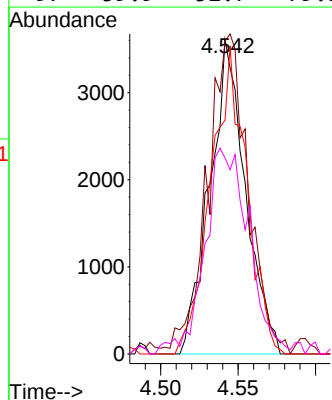
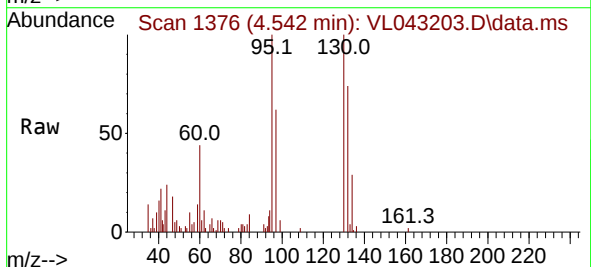
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.5

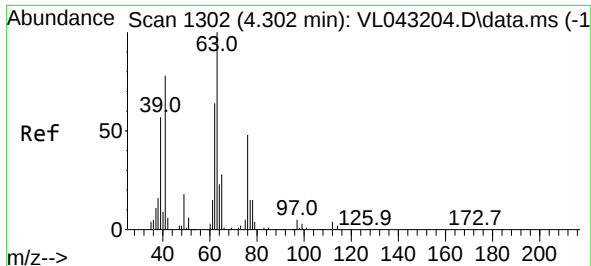
Tgt Ion: 62 Resp: 8477  
Ion Ratio Lower Upper  
62 100  
98 9.2 5.5 8.3#



#38  
Trichloroethene  
Concen: 0.519 ppbv  
RT: 4.542 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion:130 Resp: 5775  
Ion Ratio Lower Upper  
130 100  
95 96.0 85.7 128.5  
132 72.9 73.4 110.0#  
97 59.9 52.7 79.1





#39

1,2-Dichloropropane

Concen: 0.530 ppbv

RT: 4.312 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

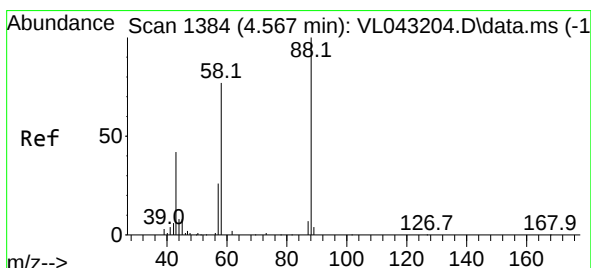
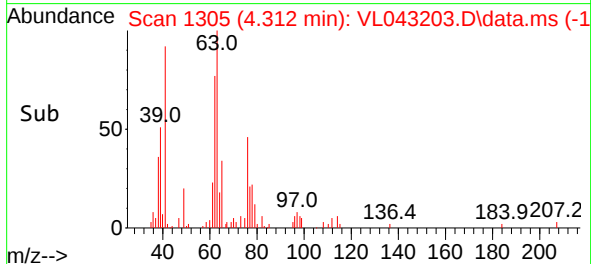
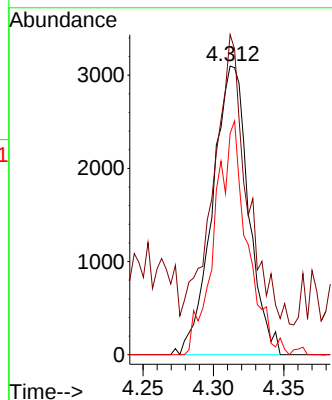
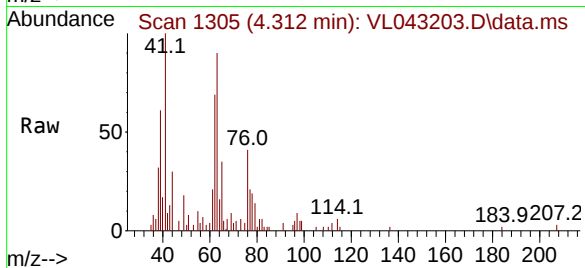
Tgt Ion: 63 Resp: 5510

Ion Ratio Lower Upper

63 100

41 98.4 62.6 93.8#

62 76.7 51.0 76.6#



#40

1,4-Dioxane

Concen: 0.286 ppbv

RT: 4.597 min Scan# 1393

Delta R.T. 0.029 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Tgt Ion: 88 Resp: 1334

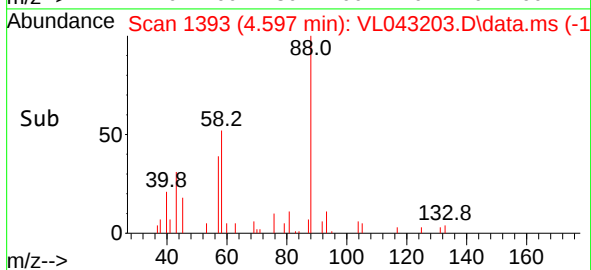
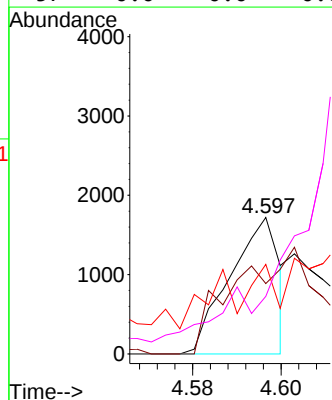
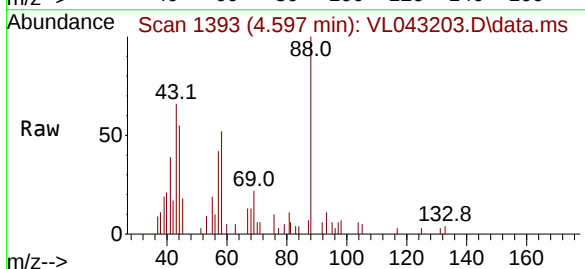
Ion Ratio Lower Upper

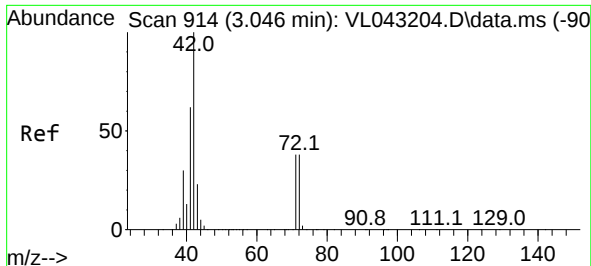
88 100

58 0.0 63.0 94.6#

43 39.8 32.5 48.7

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.536 ppbv

RT: 3.059 min Scan# 914

Delta R.T. 0.013 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.5

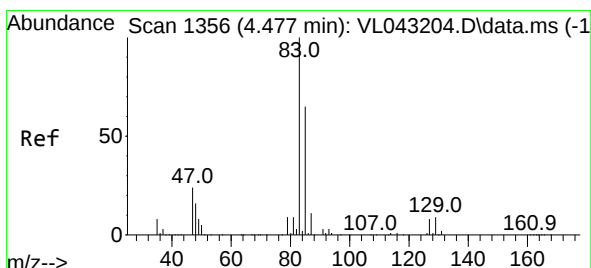
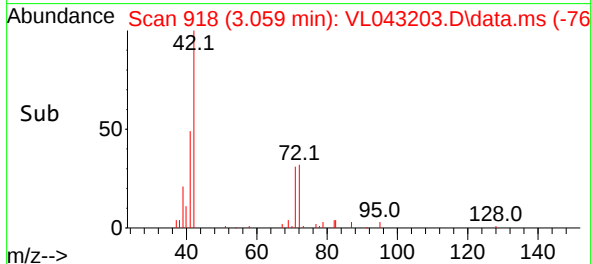
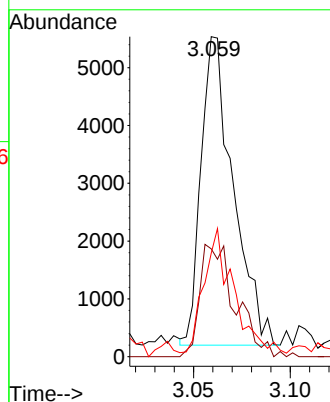
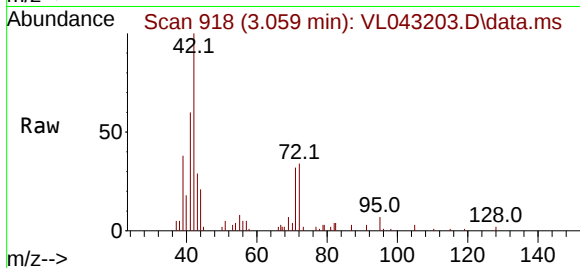
Tgt Ion: 42 Resp: 6193

Ion Ratio Lower Upper

42 100

72 40.2 30.6 46.0

71 42.1 30.5 45.7



#42

Bromodichloromethane

Concen: 0.506 ppbv

RT: 4.490 min Scan# 1360

Delta R.T. 0.013 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

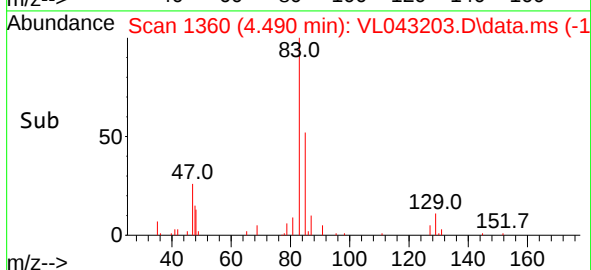
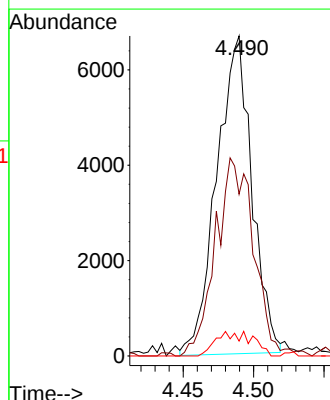
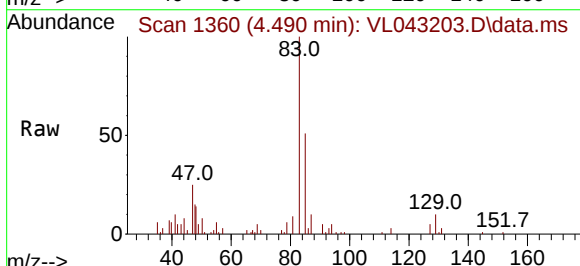
Tgt Ion: 83 Resp: 11597

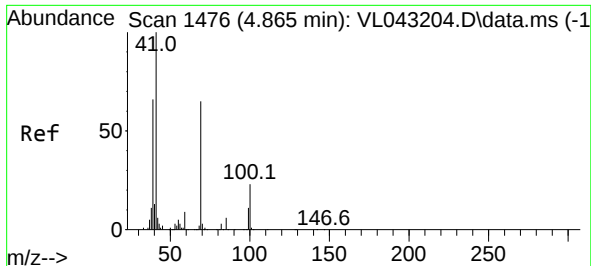
Ion Ratio Lower Upper

83 100

85 51.4 51.7 77.5#

127 4.8 6.3 9.5#





#43

Methyl Methacrylate

Concen: 0.143 ppbv

RT: 4.865 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.5

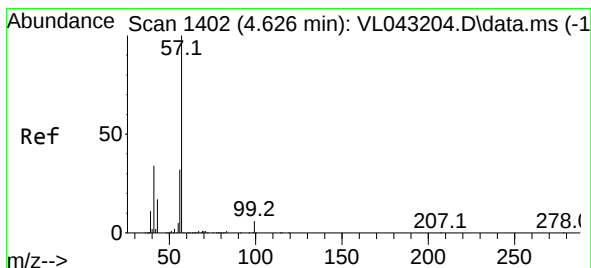
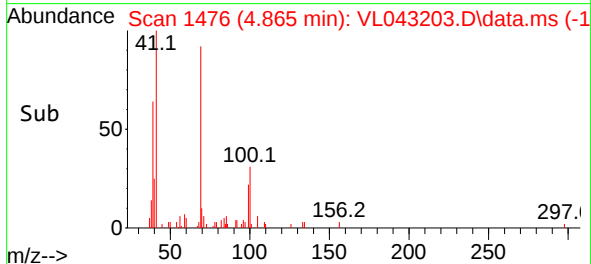
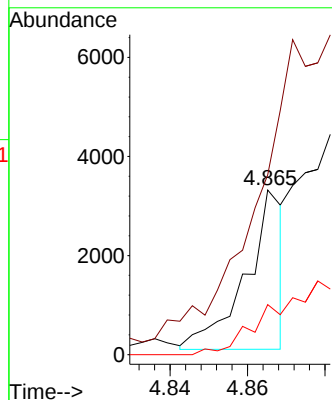
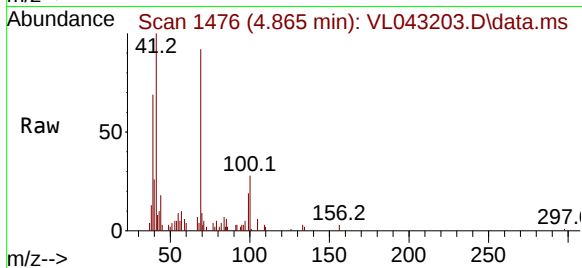
Tgt Ion: 69 Resp: 2151

Ion Ratio Lower Upper

69 100

41 0.0 126.7 190.1#

100 0.0 28.6 43.0#



#44

2,2,4-Trimethylpentane

Concen: 0.531 ppbv

RT: 4.642 min Scan# 1407

Delta R.T. 0.016 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

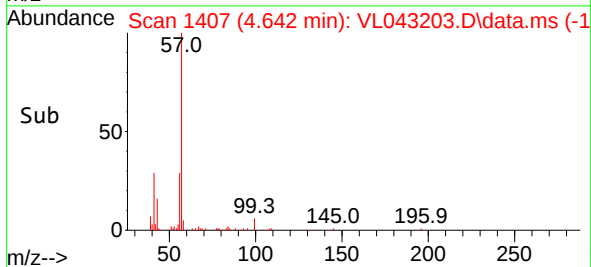
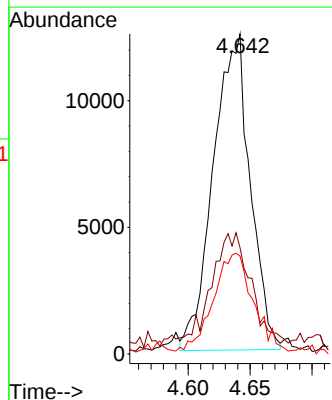
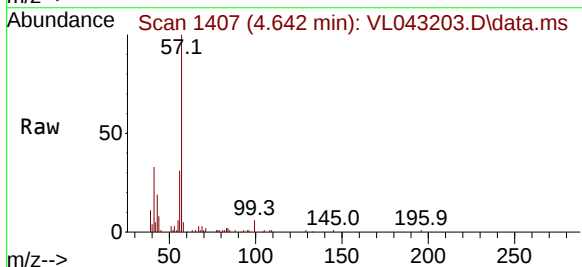
Tgt Ion: 57 Resp: 25890

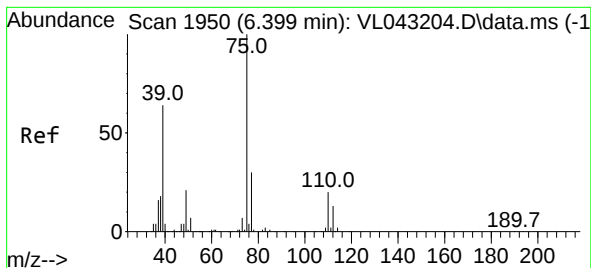
Ion Ratio Lower Upper

57 100

41 36.2 28.0 42.0

56 36.9 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 0.523 ppbv

RT: 6.412 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_L

ClientSampleId :

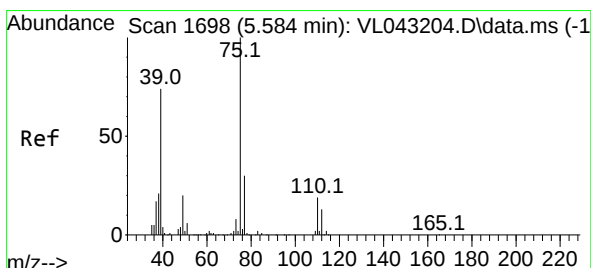
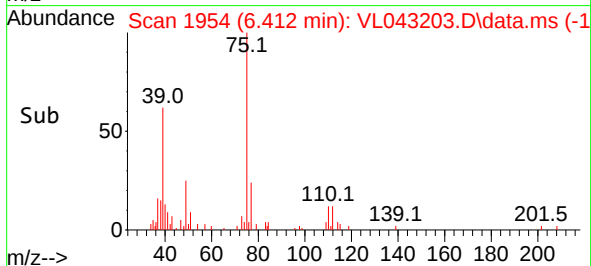
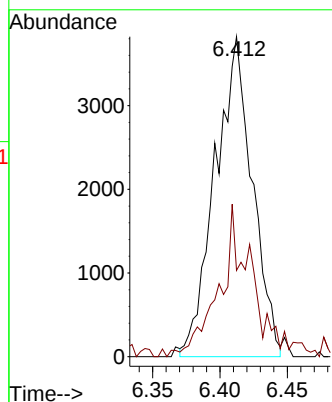
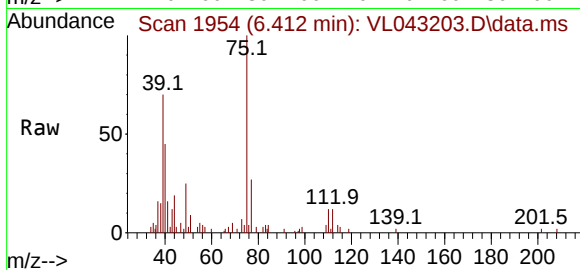
VSTDICC0.5

Tgt Ion: 75 Resp: 7343

Ion Ratio Lower Upper

75 100

77 26.9 24.3 36.5



#46

cis-1,3-Dichloropropene

Concen: 0.425 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. 0.010 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

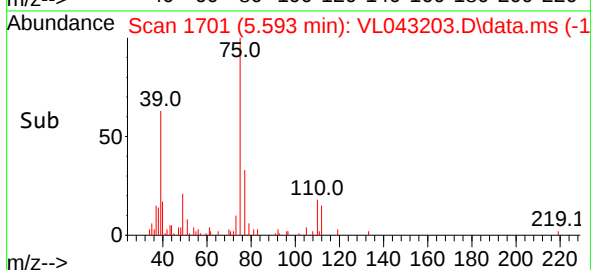
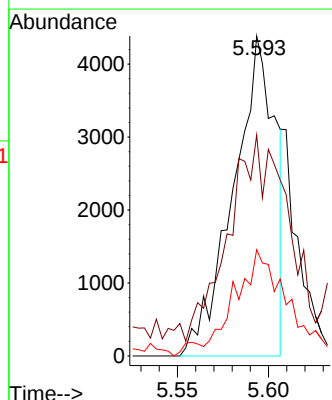
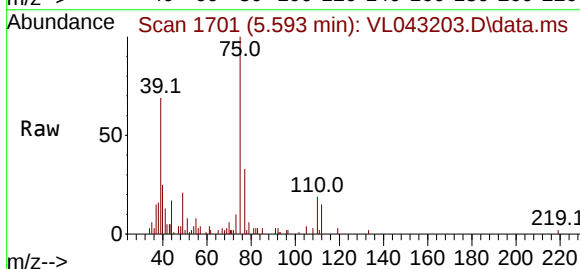
Tgt Ion: 75 Resp: 7004

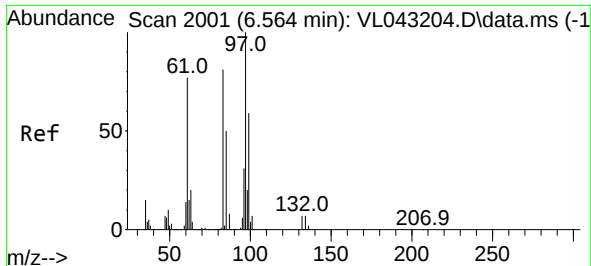
Ion Ratio Lower Upper

75 100

39 58.9 59.1 88.7#

77 30.6 24.2 36.2





#47

1,1,2-Trichloroethane

Concen: 0.290 ppbv

RT: 6.581 min Scan# 2006

Delta R.T. 0.016 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 3211

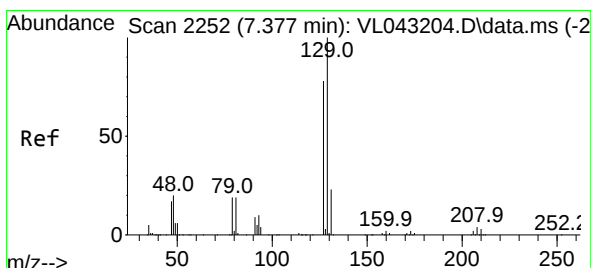
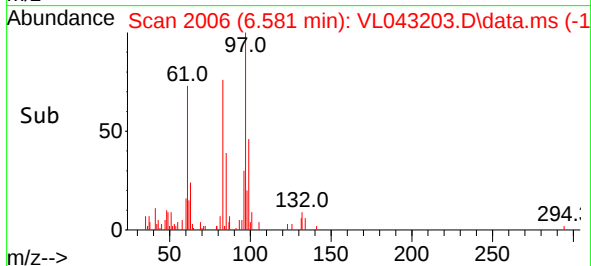
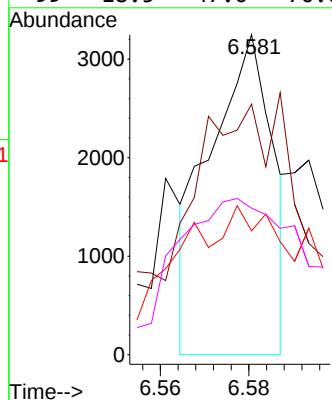
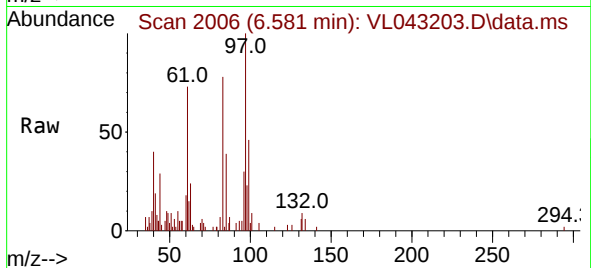
Ion Ratio Lower Upper

97 100

83 70.2 64.6 97.0

85 11.0 39.4 59.2#

99 18.5 47.0 70.6#



#48

Dibromochloromethane

Concen: 0.492 ppbv

RT: 7.380 min Scan# 2253

Delta R.T. 0.003 min

Lab File: VL043203.D

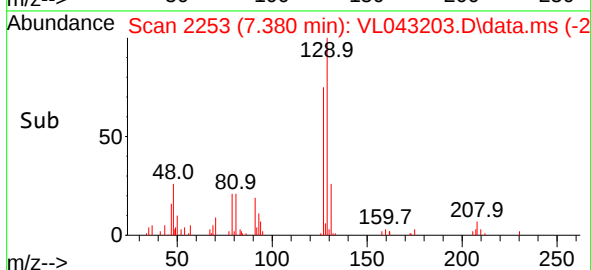
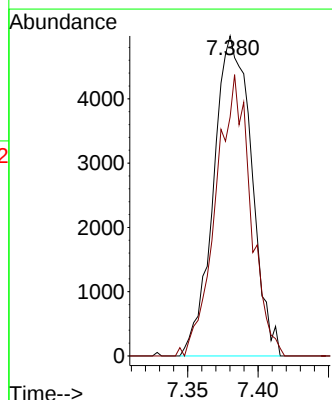
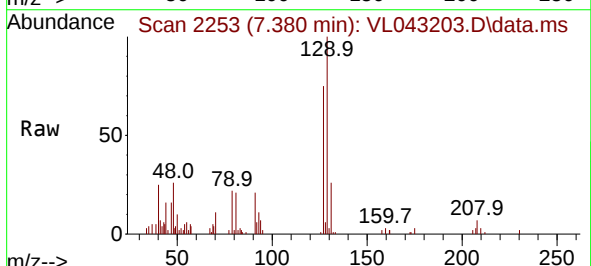
Acq: 18 Nov 2025 09:29

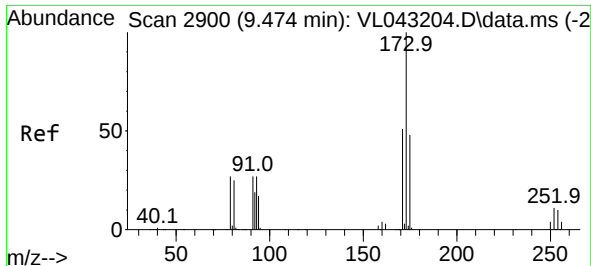
Tgt Ion: 129 Resp: 9327

Ion Ratio Lower Upper

129 100

127 80.8 39.3 117.9





#49

Bromoform

Concen: 0.514 ppbv

RT: 9.481 min Scan# 2900

Delta R.T. 0.007 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.5

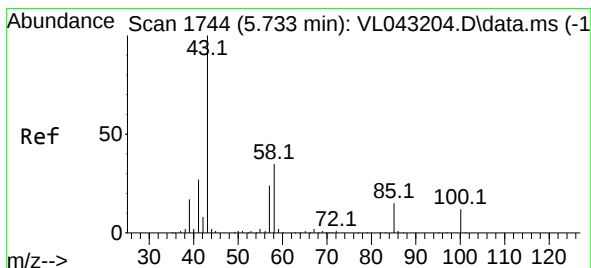
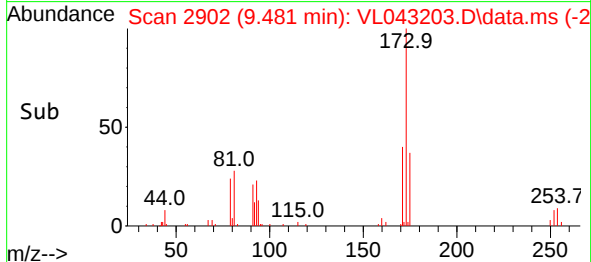
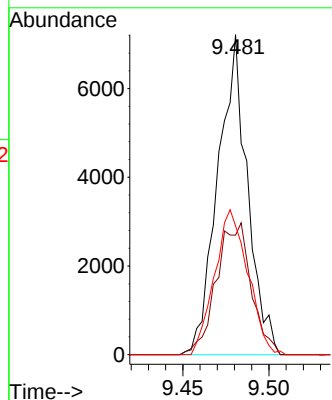
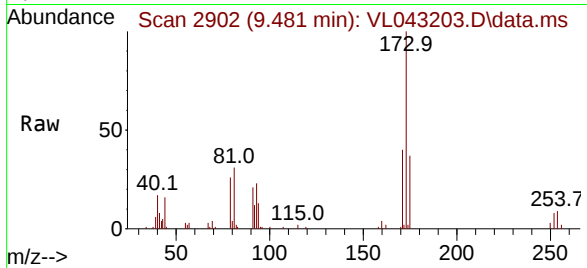
Tgt Ion:173 Resp: 8636

Ion Ratio Lower Upper

173 100

175 48.4 38.6 58.0

171 50.9 40.6 61.0



#50

4-Methyl-2-Pentanone

Concen: 0.515 ppbv

RT: 5.755 min Scan# 1751

Delta R.T. 0.023 min

Lab File: VL043203.D

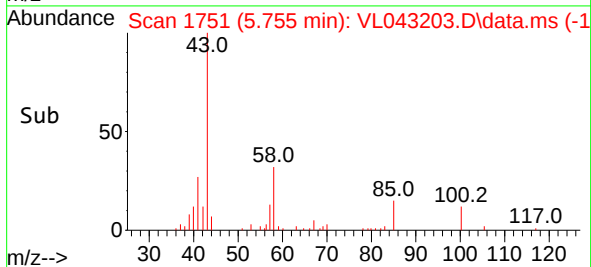
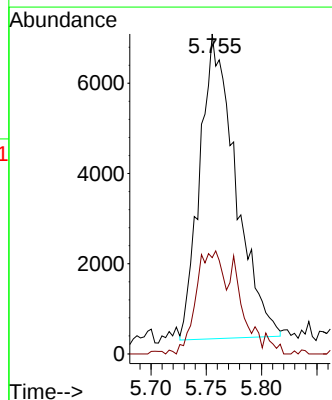
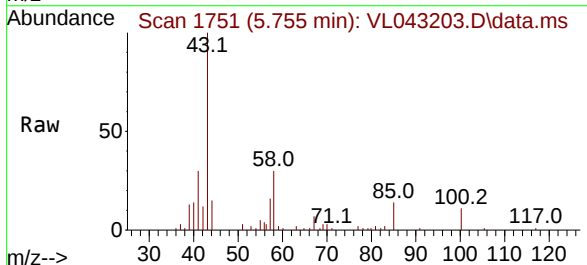
Acq: 18 Nov 2025 09:29

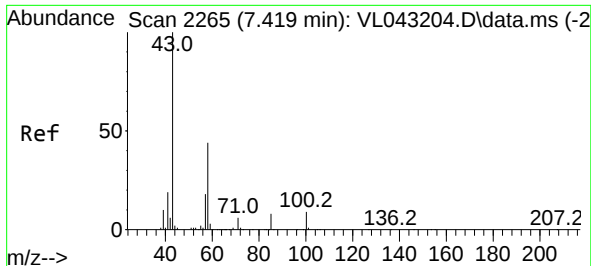
Tgt Ion: 43 Resp: 15190

Ion Ratio Lower Upper

43 100

58 40.3 28.4 42.6

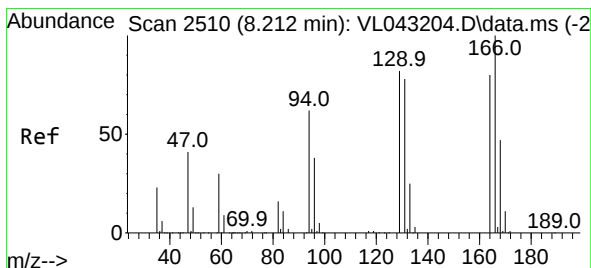
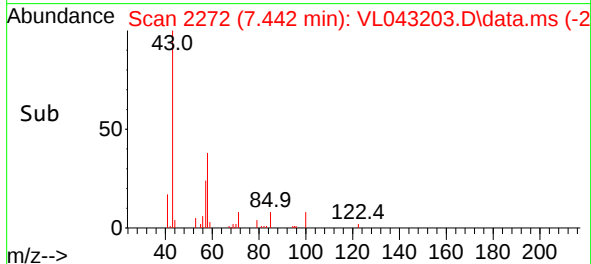
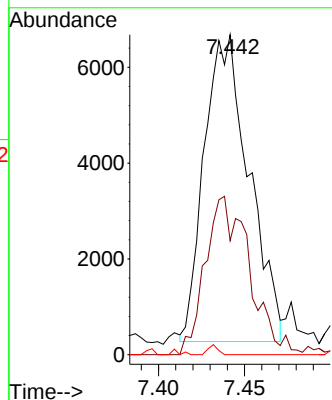
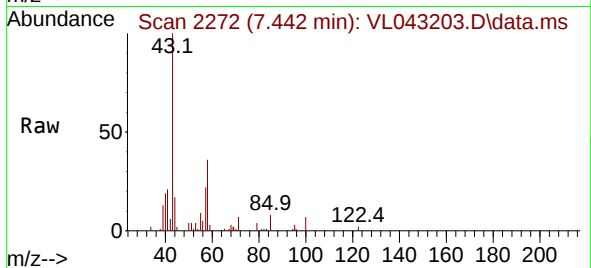




#51  
2-Hexanone  
Concen: 0.506 ppbv  
RT: 7.442 min Scan# 2115  
Delta R.T. 0.023 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

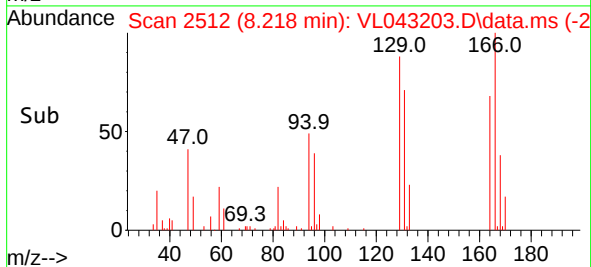
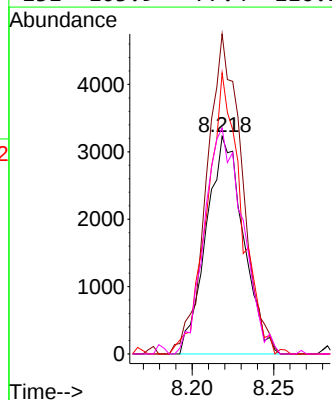
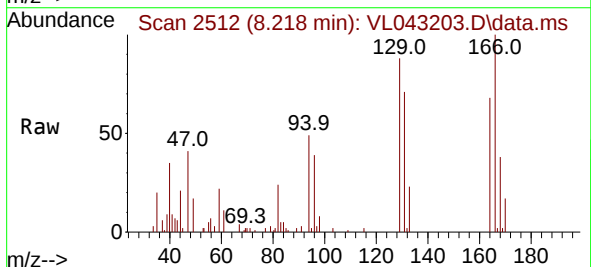
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

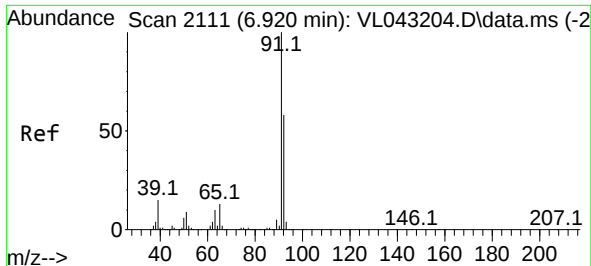
Tgt Ion: 43 Resp: 11594  
Ion Ratio Lower Upper  
43 100  
58 52.6 38.4 57.6  
98 0.7 0.0 0.0#



#52  
Tetrachloroethene  
Concen: 0.483 ppbv  
RT: 8.218 min Scan# 2512  
Delta R.T. 0.006 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 164 Resp: 5097  
Ion Ratio Lower Upper  
164 100  
166 147.2 99.4 149.2  
129 127.2 81.8 122.8#  
131 103.9 77.4 116.2

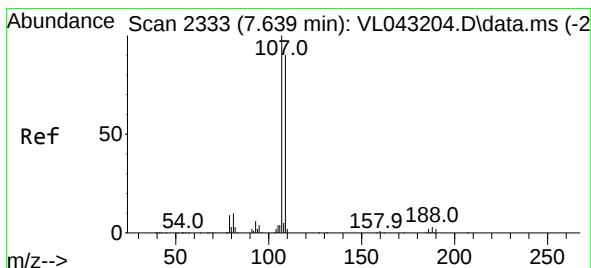
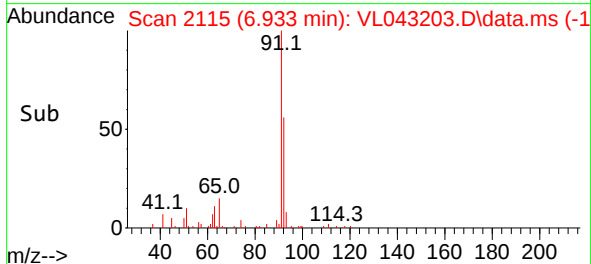
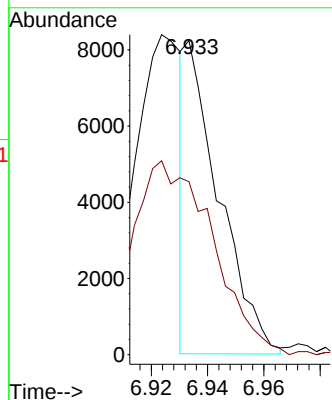
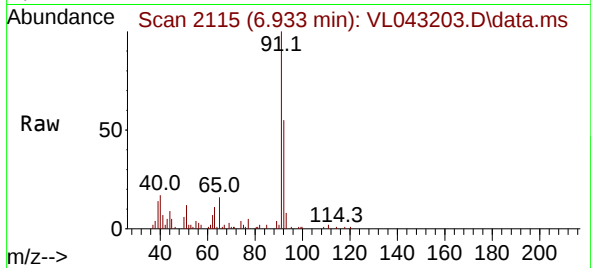




#53  
Toluene  
Concen: 0.203 ppbv  
RT: 6.933 min Scan# 2115  
Delta R.T. 0.013 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

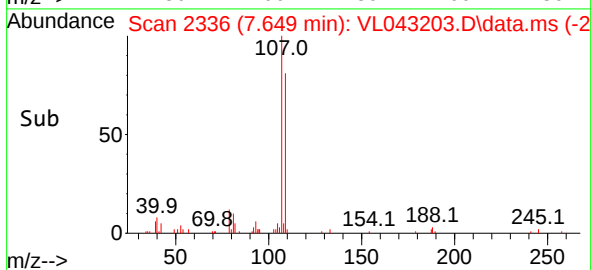
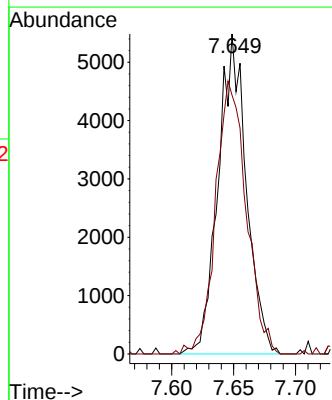
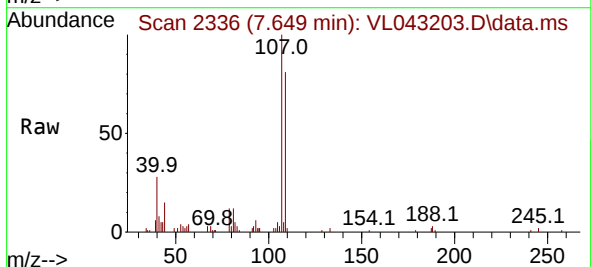
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

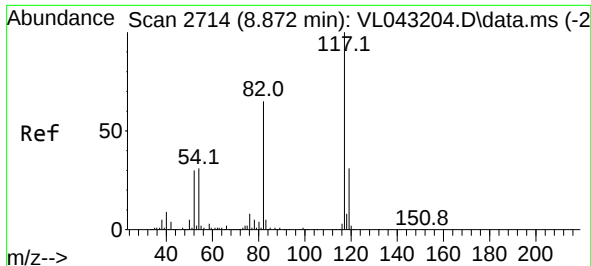
Tgt Ion: 91 Resp: 6863  
Ion Ratio Lower Upper  
91 100  
92 0.0 47.4 71.0#



#54  
1,2-Dibromoethane  
Concen: 0.537 ppbv  
RT: 7.649 min Scan# 2336  
Delta R.T. 0.010 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 107 Resp: 8708  
Ion Ratio Lower Upper  
107 100  
109 80.8 72.1 108.1

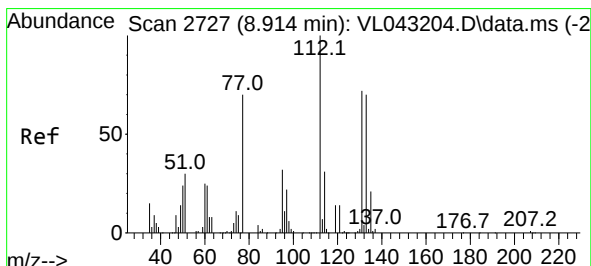
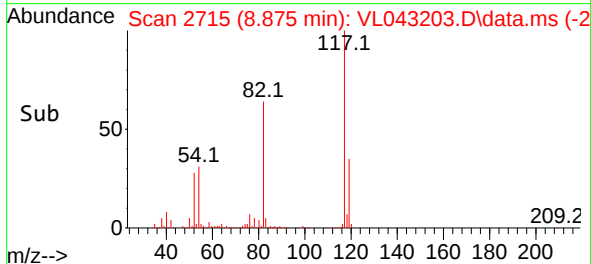
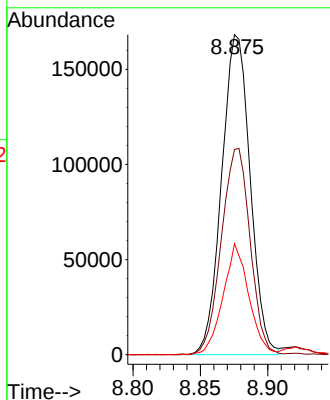
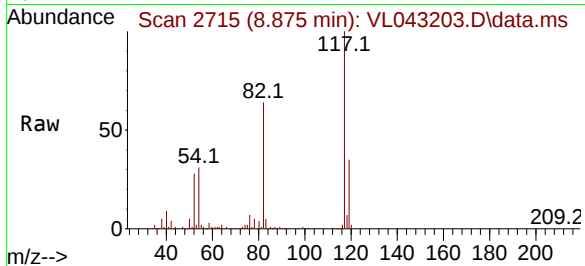




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.875 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

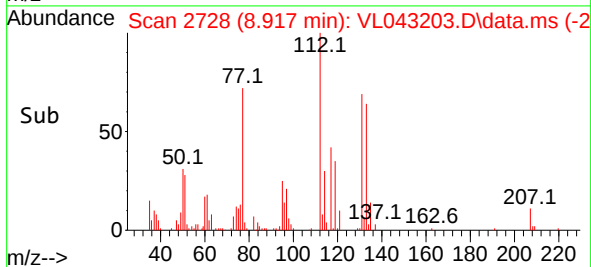
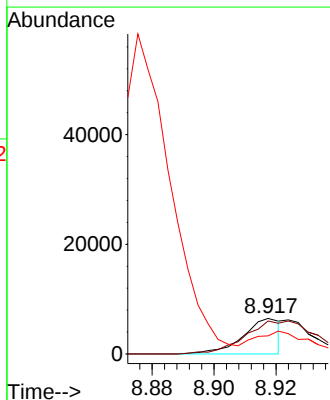
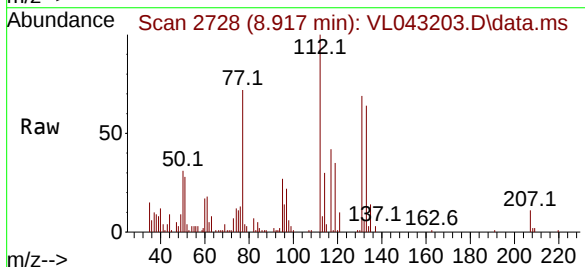
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.5

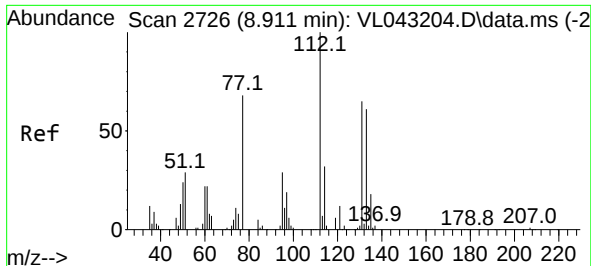
Tgt Ion:117 Resp: 247761  
Ion Ratio Lower Upper  
117 100  
82 65.5 56.1 84.1  
119 31.6 25.0 37.6



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.298 ppbv  
RT: 8.917 min Scan# 2728  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion:131 Resp: 5419  
Ion Ratio Lower Upper  
131 100  
133 177.8 77.4 116.2#  
119 91.4 49.1 73.7#





#57

Chlorobenzene

Concen: 0.504 ppbv

RT: 8.917 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

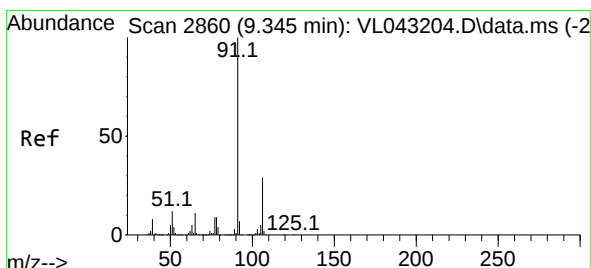
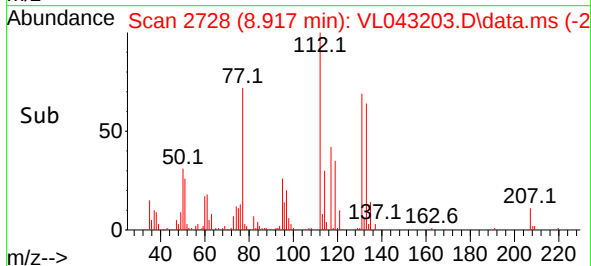
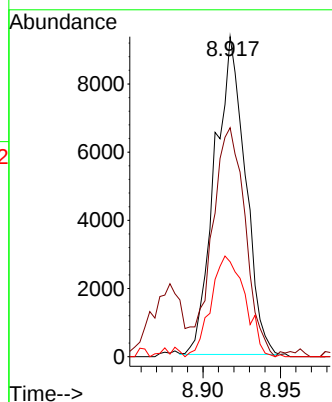
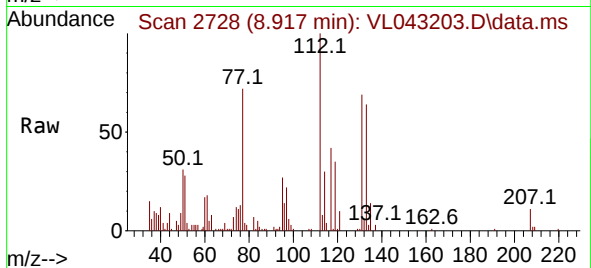
Tgt Ion:112 Resp: 12818

Ion Ratio Lower Upper

112 100

77 69.0 55.5 83.3

114 29.2 29.1 35.5



#58

Ethyl Benzene

Concen: 0.500 ppbv

RT: 9.351 min Scan# 2862

Delta R.T. 0.006 min

Lab File: VL043203.D

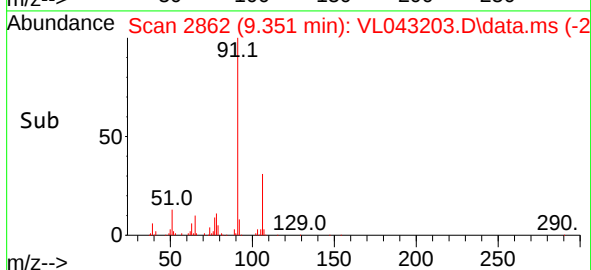
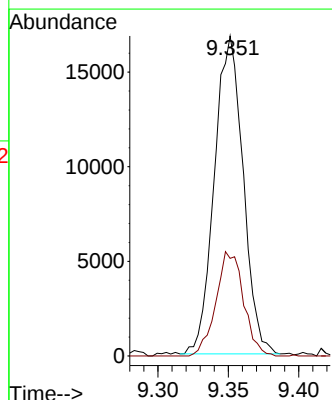
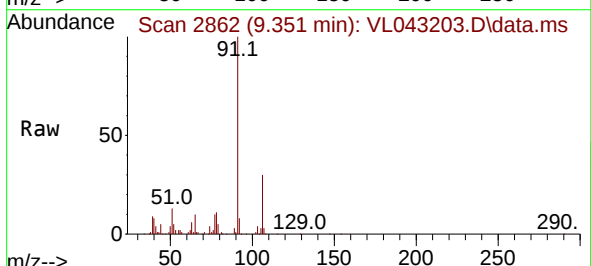
Acq: 18 Nov 2025 09:29

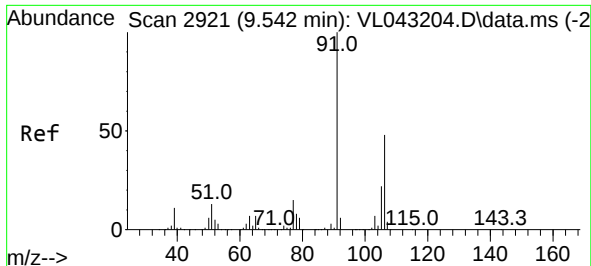
Tgt Ion: 91 Resp: 23866

Ion Ratio Lower Upper

91 100

106 30.7 22.8 34.2





#59

m/p-Xylene

Concen: 0.507 ppbv

RT: 9.549 min Scan# 2921

Delta R.T. 0.007 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_L

ClientSampleId :

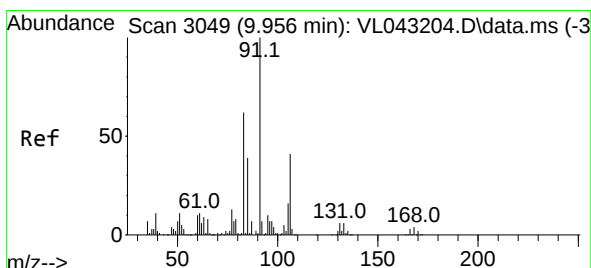
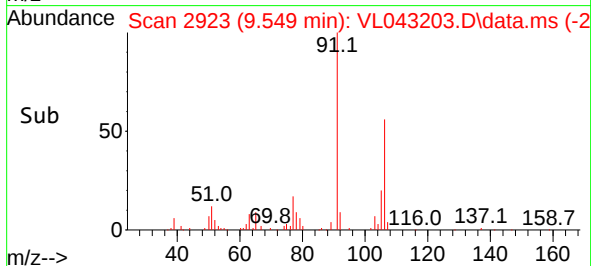
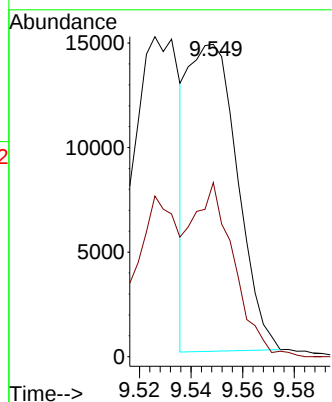
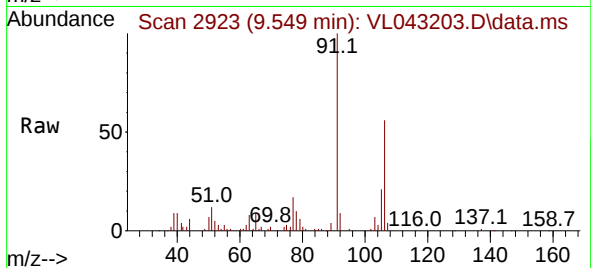
VSTDIC0.5

Tgt Ion: 91 Resp: 19470

Ion Ratio Lower Upper

91 100

106 94.6 36.1 54.1#



#60

o-Xylene

Concen: 0.514 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL043203.D

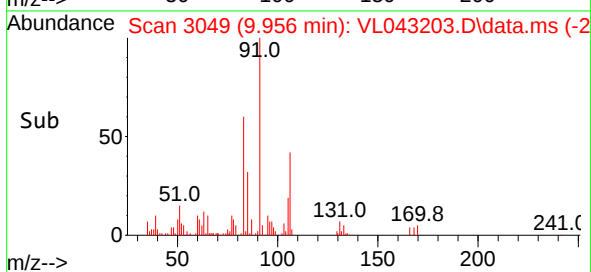
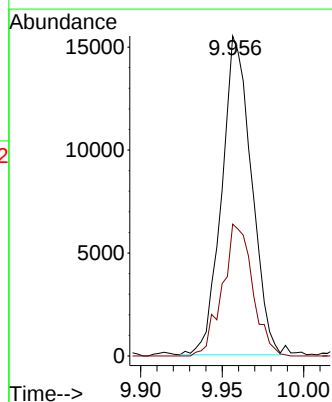
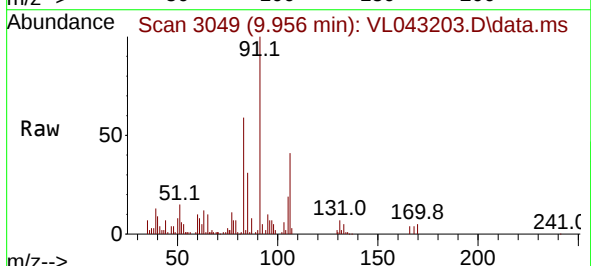
Acq: 18 Nov 2025 09:29

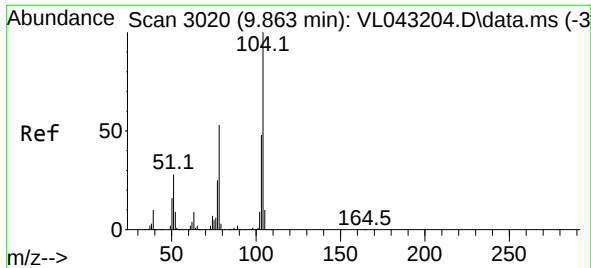
Tgt Ion: 91 Resp: 19621

Ion Ratio Lower Upper

91 100

106 42.0 20.9 62.8





#61

Styrene

Concen: 0.496 ppbv

RT: 9.869 min Scan# 3020

Delta R.T. 0.007 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.5

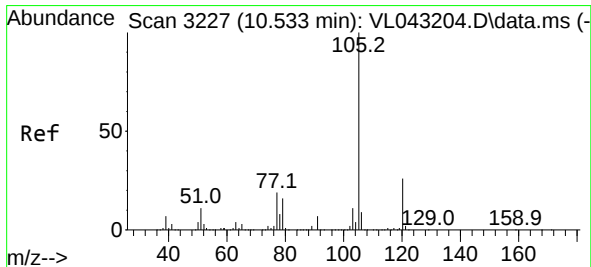
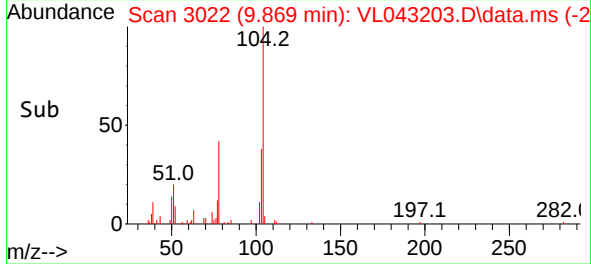
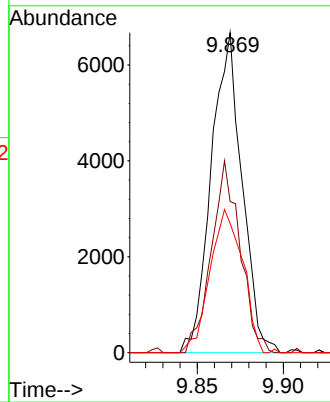
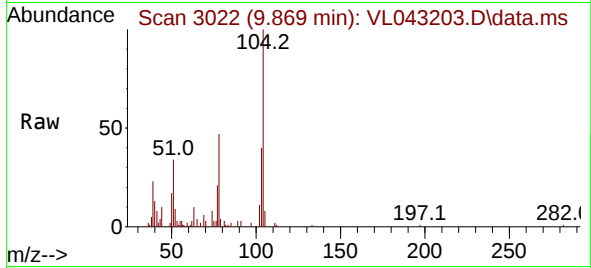
Tgt Ion:104 Resp: 8287

Ion Ratio Lower Upper

104 100

78 56.3 42.1 63.1

103 47.8 37.2 55.8



#62

Isopropylbenzene

Concen: 0.509 ppbv

RT: 10.536 min Scan# 3228

Delta R.T. 0.003 min

Lab File: VL043203.D

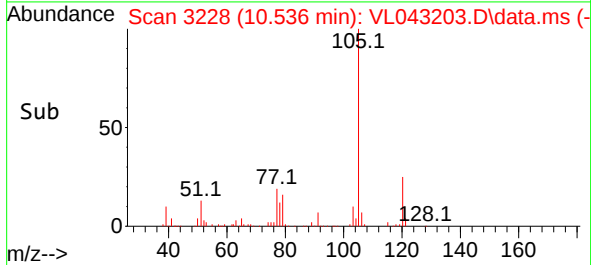
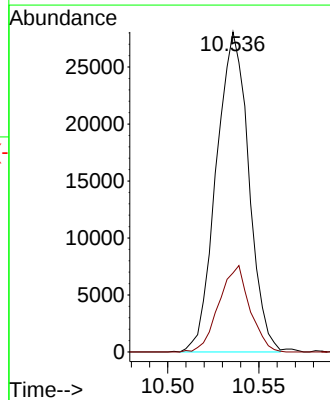
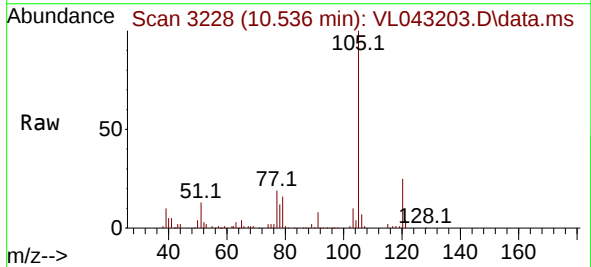
Acq: 18 Nov 2025 09:29

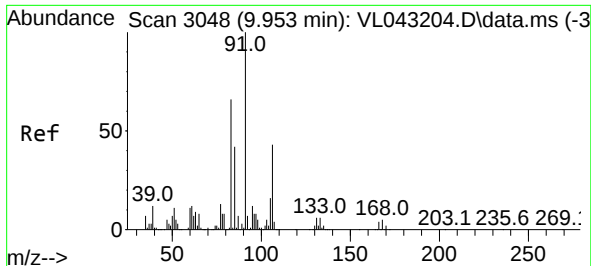
Tgt Ion:105 Resp: 34773

Ion Ratio Lower Upper

105 100

120 25.6 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.519 ppbv

RT: 9.960 min Scan# 3048

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_1

ClientSampleId :

VSTDICC0.5

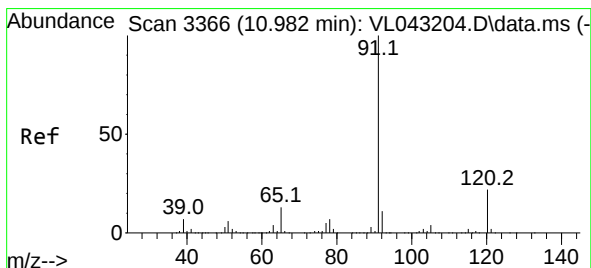
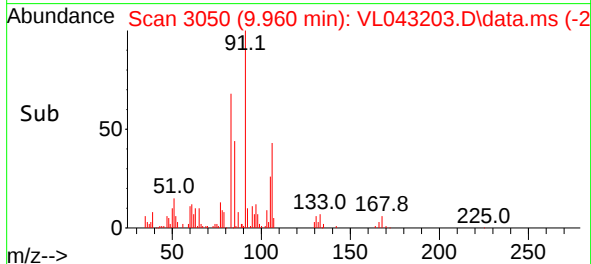
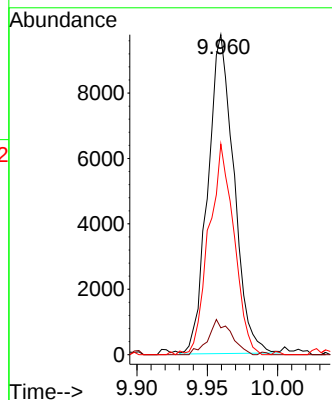
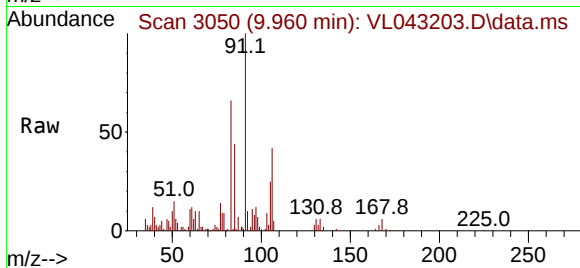
Tgt Ion: 83 Resp: 12591

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

85 64.0 31.9 95.9



#64

n-propylbenzene

Concen: 0.509 ppbv

RT: 10.986 min Scan# 3367

Delta R.T. 0.003 min

Lab File: VL043203.D

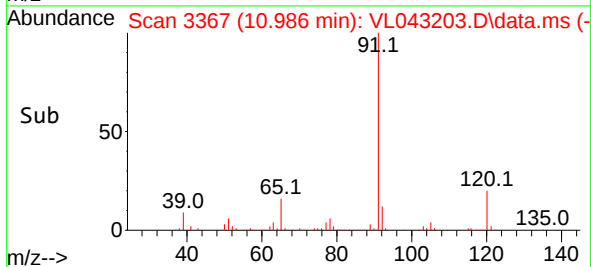
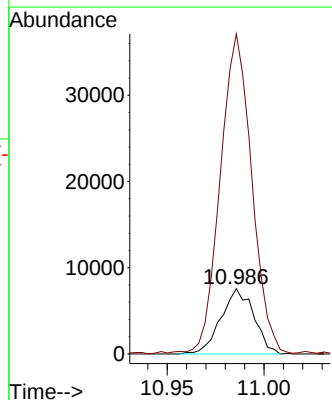
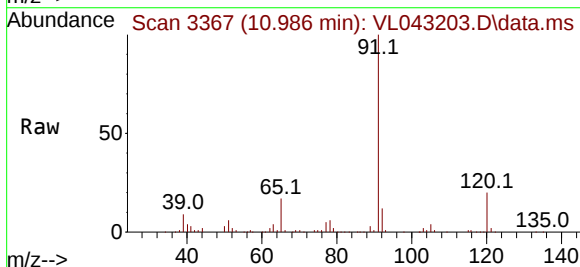
Acq: 18 Nov 2025 09:29

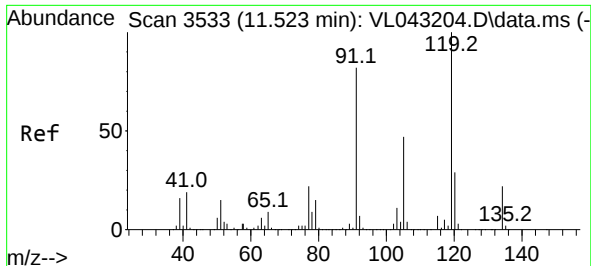
Tgt Ion: 120 Resp: 8945

Ion Ratio Lower Upper

120 100

91 472.3 377.1 565.7

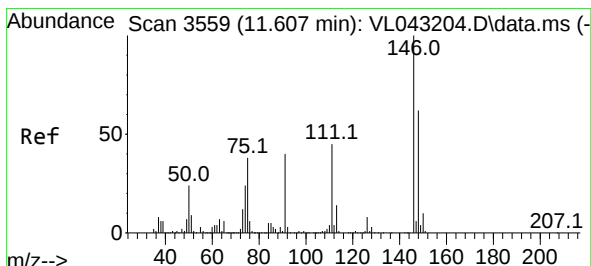
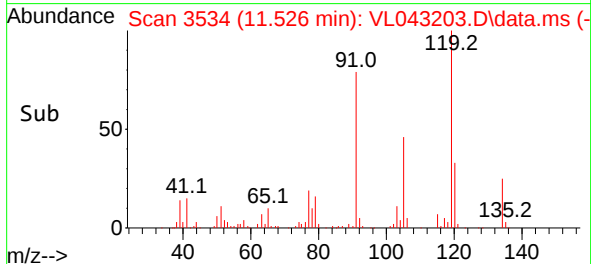
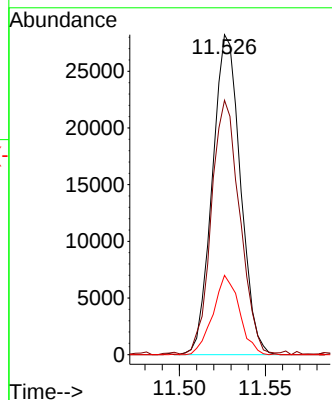
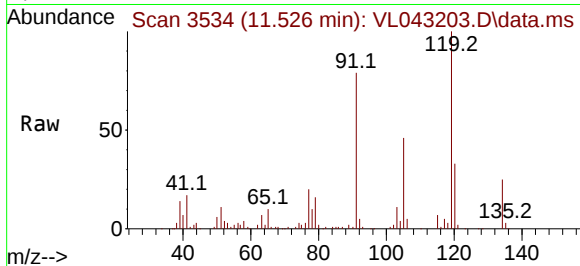




#65  
tert-Butylbenzene  
Concen: 0.524 ppbv  
RT: 11.526 min Scan# 3533  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

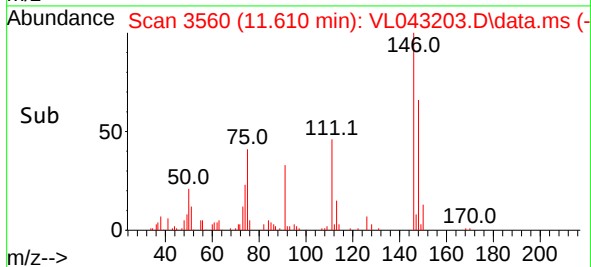
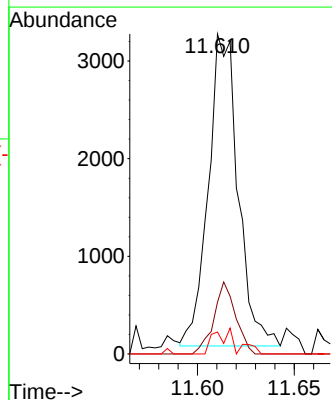
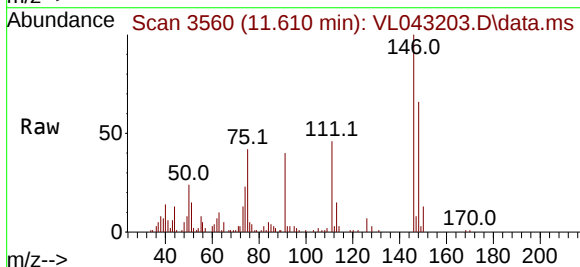
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

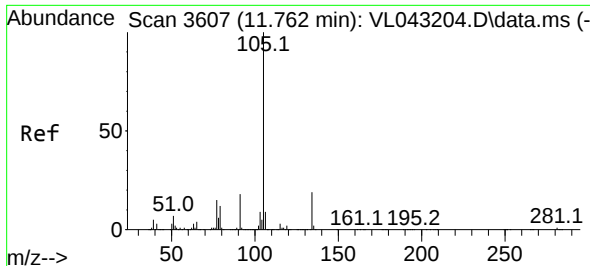
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 31998 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 81.6  | 65.3  | 97.9  |
| 134      | 23.4  | 17.0  | 25.4  |



#66  
Benzyl Chloride  
Concen: 0.550 ppbv  
RT: 11.610 min Scan# 3560  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 3403  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 16.8  | 14.4  | 21.6  |
| 128      | 6.1   | 4.6   | 6.8   |

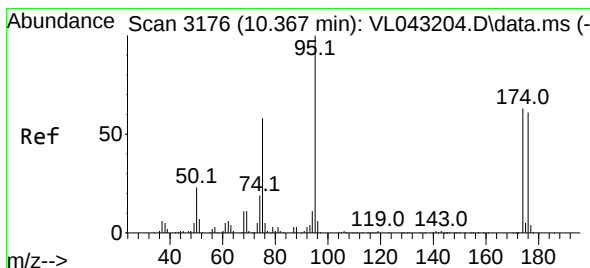
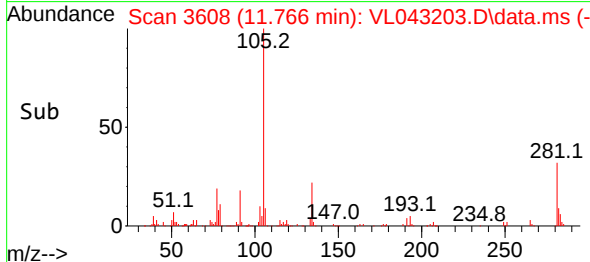
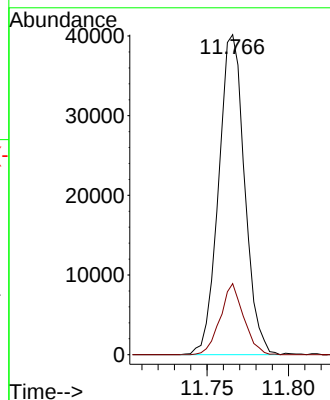
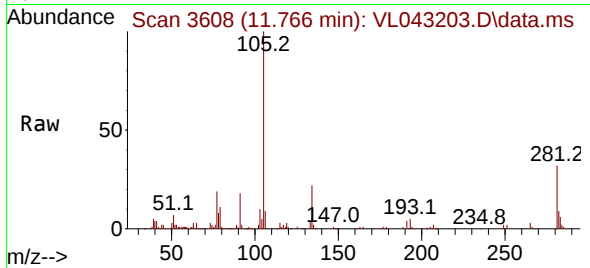




#67  
 sec-Butylbenzene  
 Concen: 0.522 ppbv  
 RT: 11.766 min Scan# 30  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

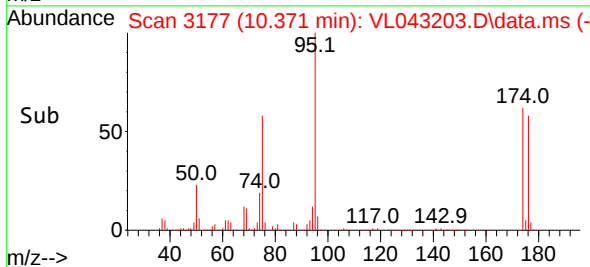
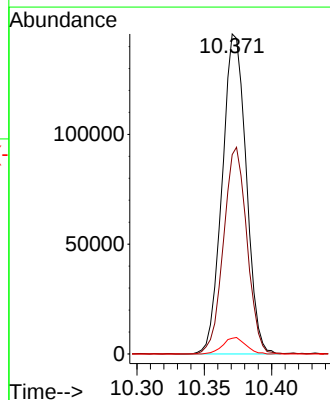
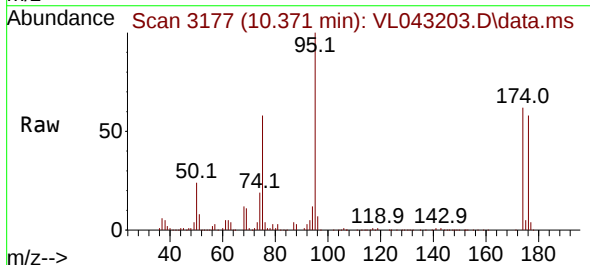
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.5

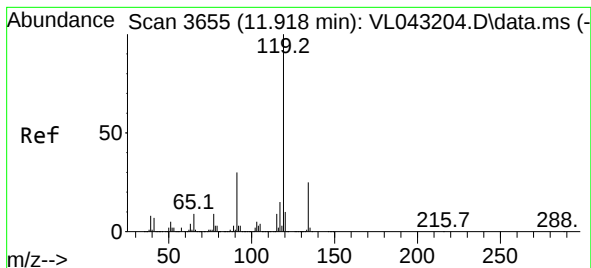
Tgt Ion:105 Resp: 44448  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 15.0 22.6



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.941 ppbv  
 RT: 10.371 min Scan# 3177  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

Tgt Ion: 95 Resp: 180529  
 Ion Ratio Lower Upper  
 95 100  
 174 63.2 50.2 75.2  
 175 4.9 4.1 6.1

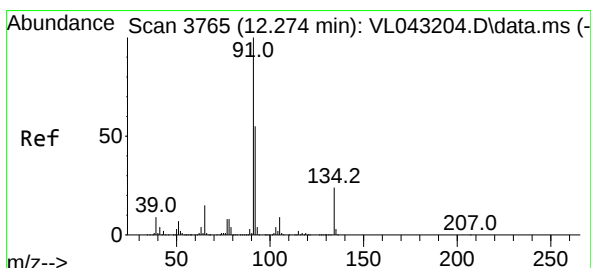
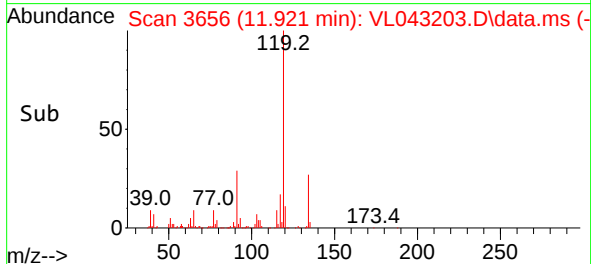
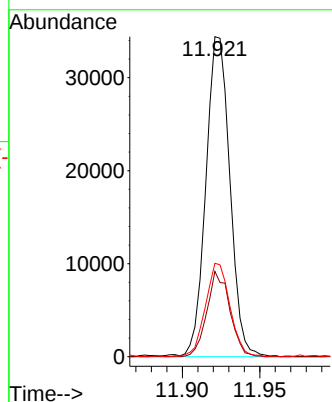
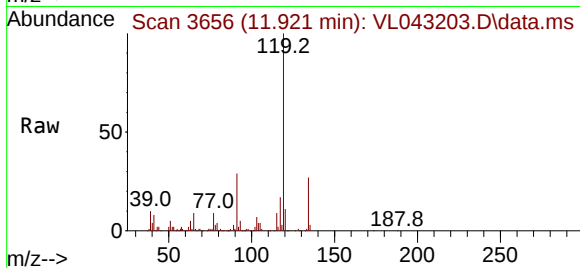




#69  
 p-Isopropyltoluene  
 Concen: 0.514 ppbv  
 RT: 11.921 min Scan# 3656  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

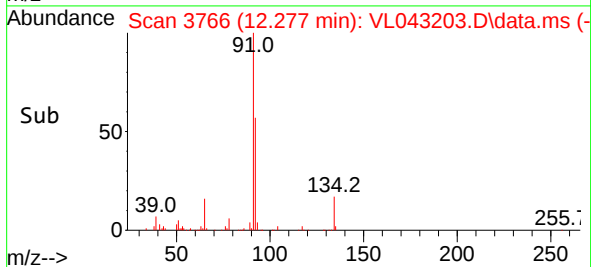
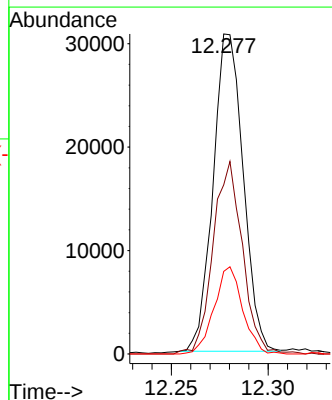
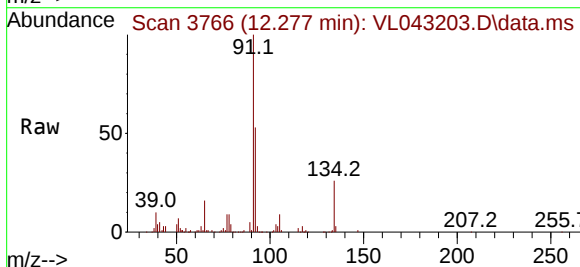
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

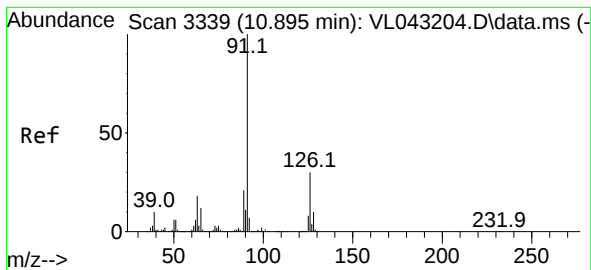
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 37087 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 25.4  | 20.2  | 30.2  |
| 91       | 29.9  | 23.8  | 35.8  |



#70  
 n-Butylbenzene  
 Concen: 0.474 ppbv  
 RT: 12.277 min Scan# 3766  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 33153 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 59.3  | 43.5  | 65.3  |
| 134      | 26.3  | 19.0  | 28.6  |

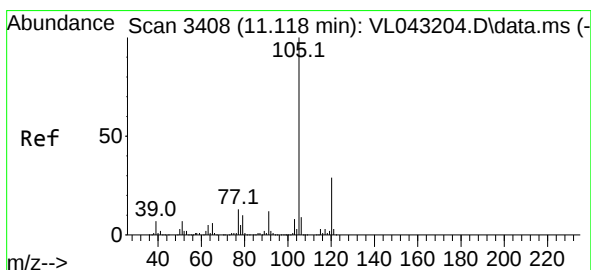
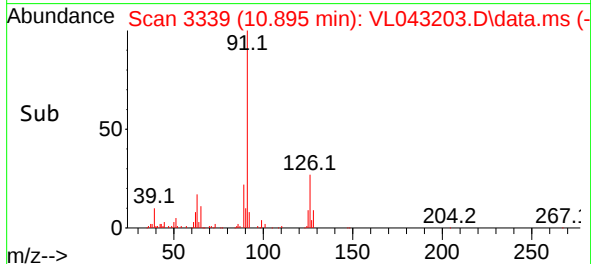
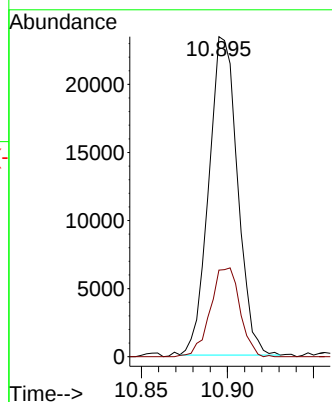
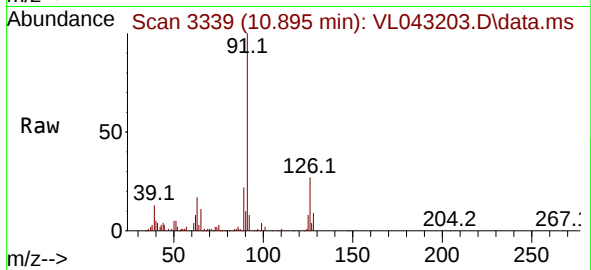




#71  
2-Chlorotoluene  
Concen: 0.518 ppbv  
RT: 10.895 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

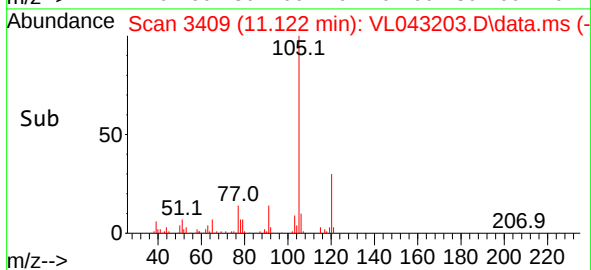
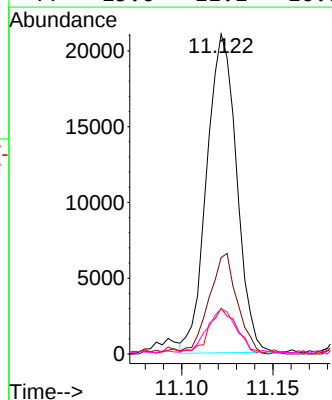
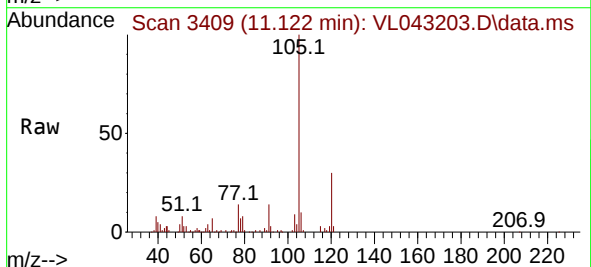
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.5

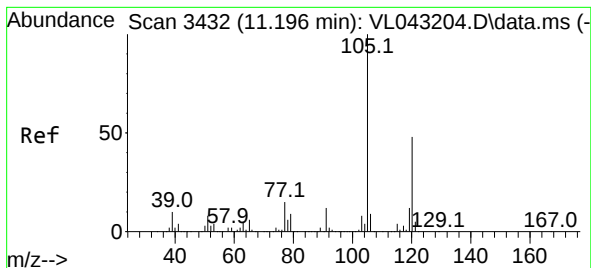
Tgt Ion: 91 Resp: 27224  
Ion Ratio Lower Upper  
91 100  
126 28.6 11.7 46.7



#72  
4-Ethyltoluene  
Concen: 0.515 ppbv  
RT: 11.122 min Scan# 3409  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion: 105 Resp: 23963  
Ion Ratio Lower Upper  
105 100  
120 31.3 23.8 35.8  
91 14.6 10.3 15.5  
77 15.6 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.515 ppbv

RT: 11.199 min Scan# 3432

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA\_1

ClientSampleId :

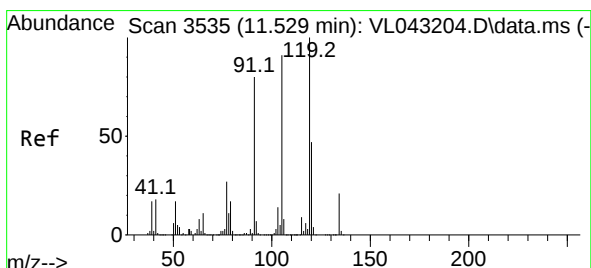
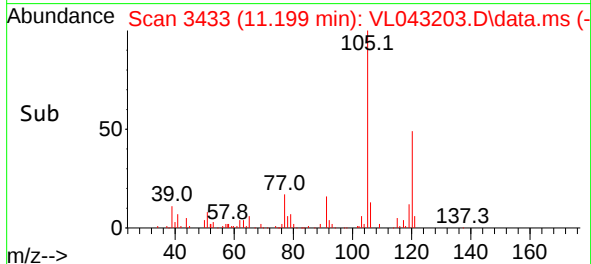
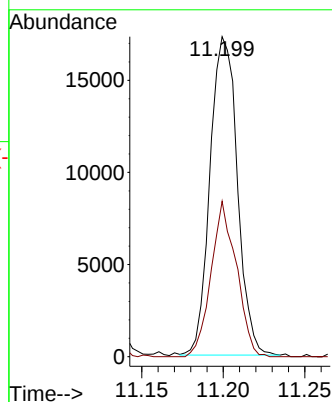
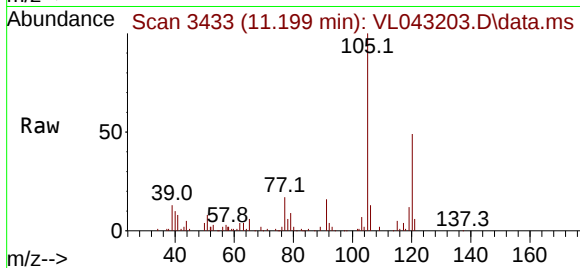
VSTDIC0.5

Tgt Ion:105 Resp: 20104

Ion Ratio Lower Upper

105 100

120 48.8 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.522 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 22254

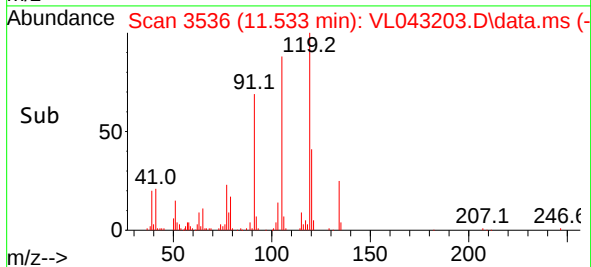
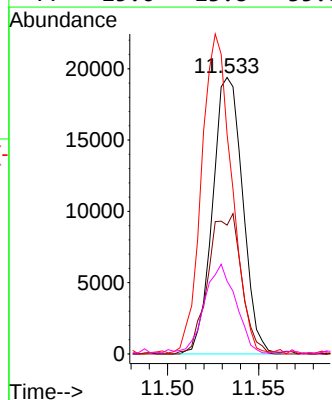
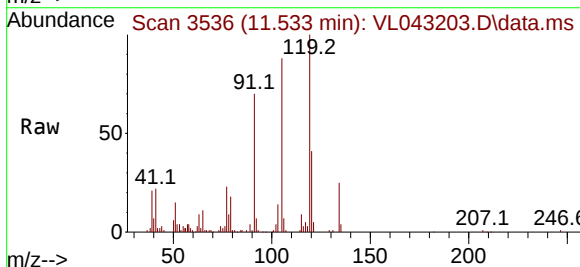
Ion Ratio Lower Upper

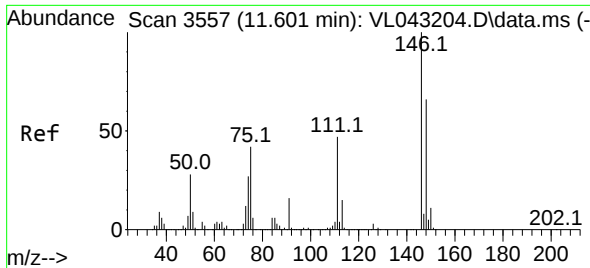
105 100

120 46.6 41.7 62.5

91 77.8 70.0 105.0

77 25.6 23.8 35.8

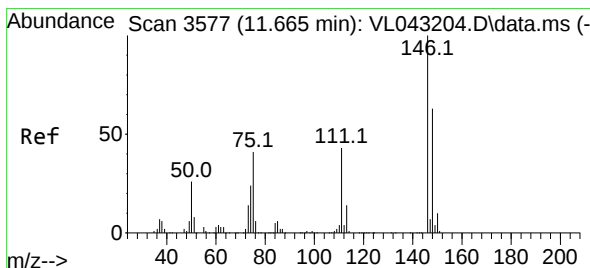
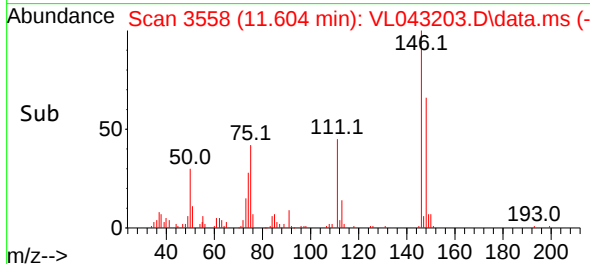
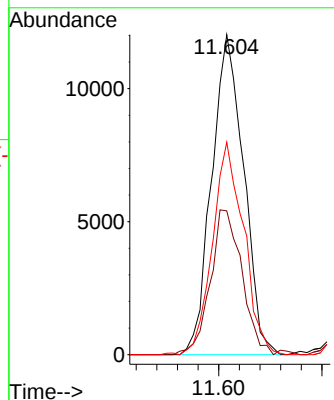
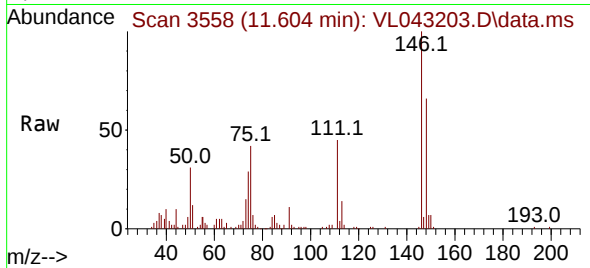




#75  
1,3-Dichlorobenzene  
Concen: 0.520 ppbv  
RT: 11.604 min Scan# 3558  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

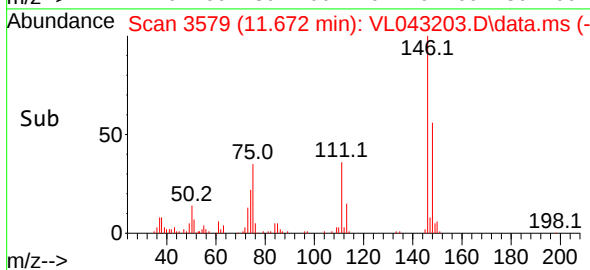
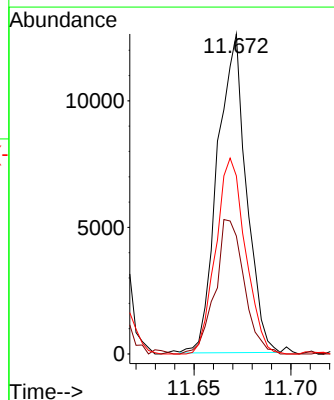
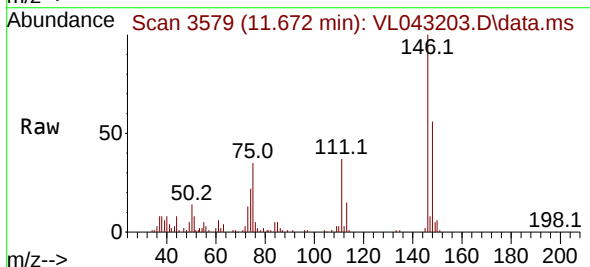
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.5

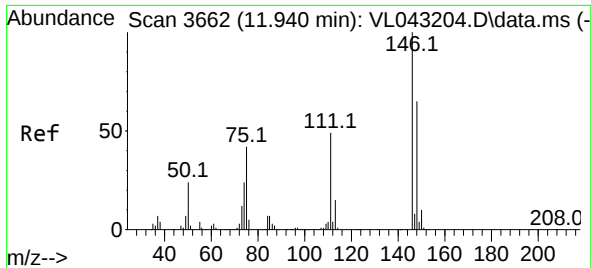
Tgt Ion:146 Resp: 12926  
Ion Ratio Lower Upper  
146 100  
111 45.1 23.4 70.3  
148 64.7 31.6 95.0



#76  
1,4-Dichlorobenzene  
Concen: 0.526 ppbv  
RT: 11.672 min Scan# 3579  
Delta R.T. 0.007 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

Tgt Ion:146 Resp: 13076  
Ion Ratio Lower Upper  
146 100  
111 42.1 22.8 68.3  
148 63.8 31.8 95.4

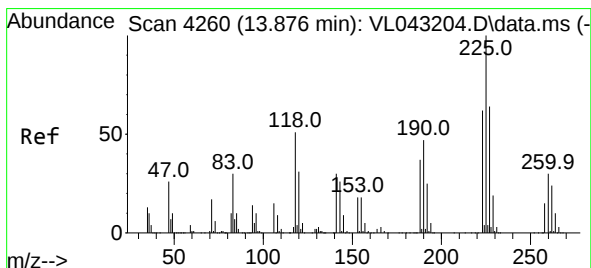
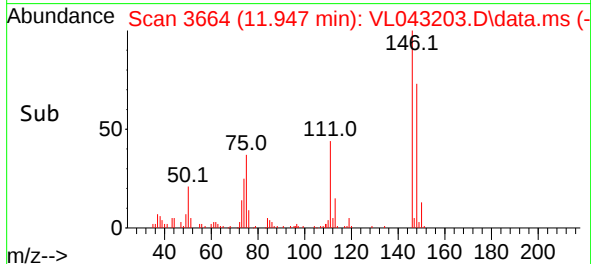
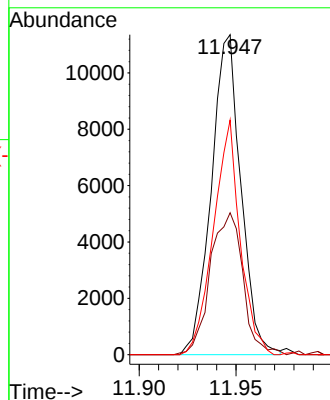
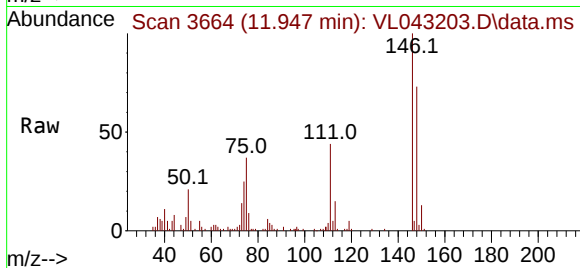




#77  
1,2-Dichlorobenzene  
Concen: 0.505 ppbv  
RT: 11.947 min Scan# 3664  
Delta R.T. 0.006 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

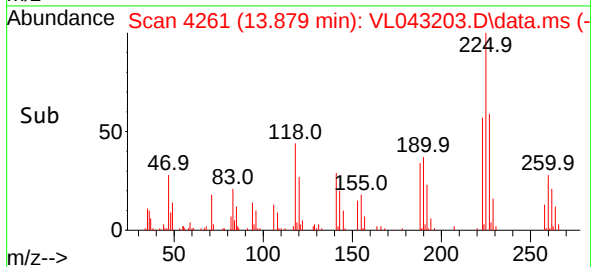
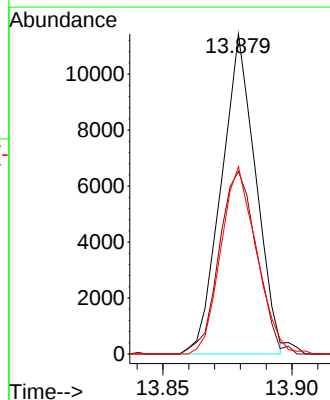
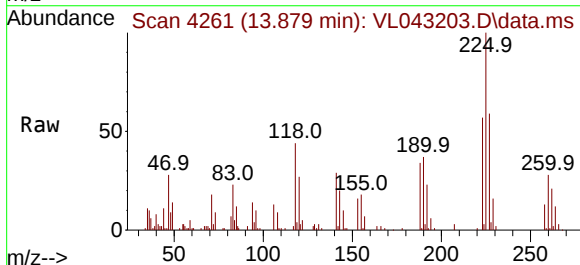
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.5

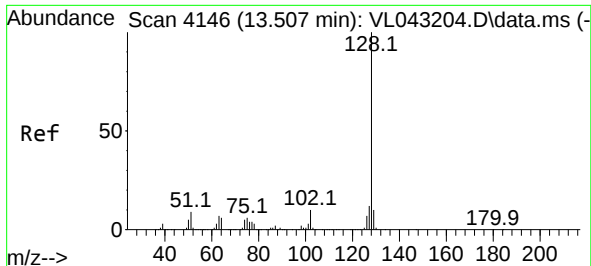
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 12069 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 49.5  | 24.3  | 73.0  |
| 148       | 66.3  | 31.6  | 94.7  |



#78  
Hexachloro-1,3-Butadiene  
Concen: 0.530 ppbv  
RT: 13.879 min Scan# 4261  
Delta R.T. 0.003 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 10578 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.7  | 50.2  | 75.4  |
| 227       | 61.0  | 51.1  | 76.7  |

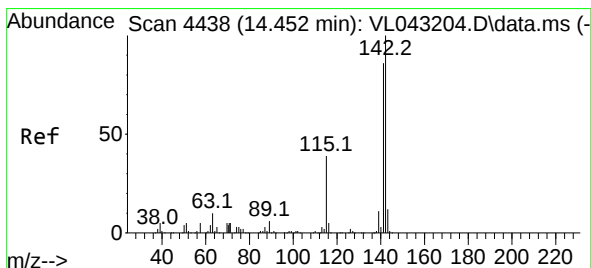
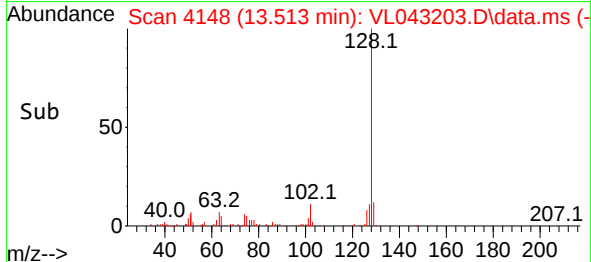
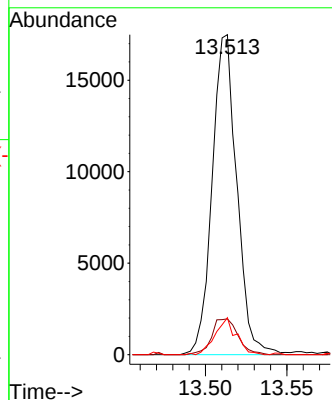
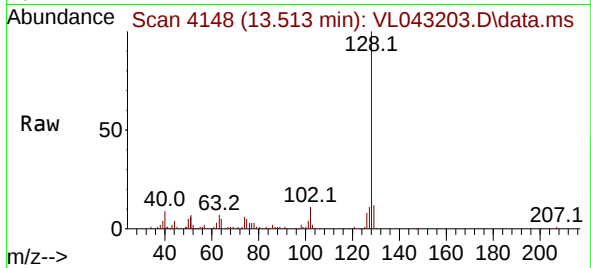




#79  
Naphthalene  
Concen: 0.486 ppbv  
RT: 13.513 min Scan# 4148  
Delta R.T. 0.007 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

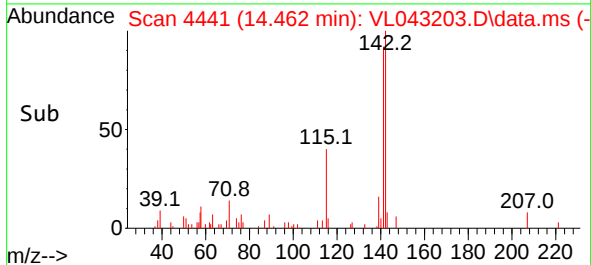
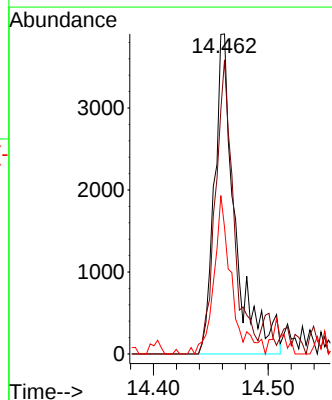
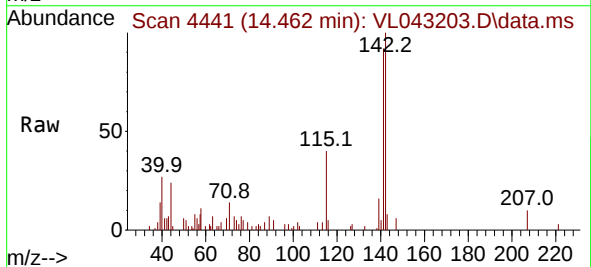
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.5

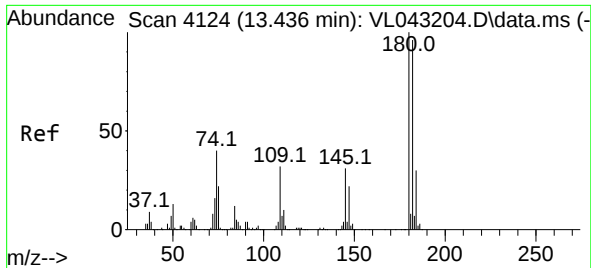
Tgt Ion:128 Resp: 18377  
Ion Ratio Lower Upper  
128 100  
127 11.2 9.9 14.9  
129 11.5 8.4 12.6



#80  
Naphthalene,2-methyl-  
Concen: 0.495 ppbv  
RT: 14.462 min Scan# 4441  
Delta R.T. 0.010 min  
Lab File: VL043203.D  
Acq: 18 Nov 2025 09:29

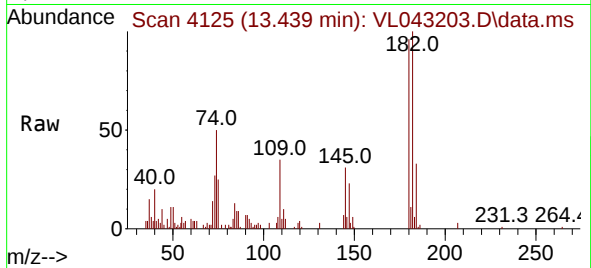
Tgt Ion:142 Resp: 4917  
Ion Ratio Lower Upper  
142 100  
141 90.2 67.1 100.7  
115 47.3 31.9 47.9





#81  
 1,2,4-Trichlorobenzene  
 Concen: 0.402 ppbv  
 RT: 13.439 min Scan# 41  
 Delta R.T. 0.003 min  
 Lab File: VL043203.D  
 Acq: 18 Nov 2025 09:29

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 6798  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 95.7  | 77.4  | 116.2 |
| 184      | 34.3  | 24.2  | 36.4  |

