

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121624\  
 Data File : VL041763.D  
 Acq On : 16 Dec 2024 21:52  
 Operator : SY/MD  
 Sample : MDL 0.4  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Dec 20 03:31:26 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 60563    | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.959 | 114  | 159774   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.885 | 117  | 141129   | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 117349   | 9.978    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.800% |

#### Target Compounds

|                               |       |     |      |       |        | Qvalue |
|-------------------------------|-------|-----|------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 5095 | 0.473 | ppbv   | 98     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 4117 | 0.417 | ppbv   | 98     |
| 4) Chloromethane              | 1.534 | 50  | 1950 | 0.462 | ppbv # | 87     |
| 5) Vinyl Chloride             | 1.580 | 62  | 1788 | 0.421 | ppbv   | 98     |
| 6) Bromomethane               | 1.667 | 94  | 899  | 0.448 | ppbv   | 98     |
| 7) Chloroethane               | 1.703 | 64  | 805  | 0.488 | ppbv   | 94     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 4233 | 0.439 | ppbv   | 95     |
| 9) Propene                    | 1.887 | 41  | 684  | 0.160 | ppbv   | 100    |
| 10) Heptane                   | 4.985 | 43  | 2404 | 0.219 | ppbv # | 45     |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 5146 | 0.450 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 2.143 | 101 | 3936 | 0.452 | ppbv   | 98     |
| 13) Ethanol                   | 1.719 | 45  | 262  | 0.739 | ppbv   | 97     |
| 14) Bromoethene               | 1.784 | 108 | 1195 | 0.407 | ppbv # | 83     |
| 15) Acetone                   | 1.835 | 43  | 6950 | 0.590 | ppbv   | 96     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 2096 | 0.452 | ppbv   | 94     |
| 17) tert-Butyl alcohol        | 2.042 | 59  | 5049 | 0.432 | ppbv # | 90     |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 1660 | 0.455 | ppbv   | 86     |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 4291 | 0.607 | ppbv # | 38     |
| 20) Methylene Chloride        | 2.062 | 84  | 1862 | 0.554 | ppbv   | 89     |
| 21) Allyl Chloride            | 2.097 | 41  | 2831 | 0.443 | ppbv   | 95     |
| 22) trans-1,2-Dichloroethene  | 2.036 | 96  | 1660 | 0.397 | ppbv   | 99     |
| 23) Vinyl Acetate             | 2.463 | 43  | 1841 | 0.336 | ppbv # | 80     |
| 24) 1,1-Dichloroethane        | 2.411 | 63  | 3825 | 0.452 | ppbv # | 94     |
| 25) Ethyl Acetate             | 2.839 | 43  | 9296 | 0.424 | ppbv   | 98     |
| 26) Hexane                    | 2.826 | 57  | 3181 | 0.382 | ppbv   | 84     |
| 27) Carbon Disulfide          | 2.152 | 76  | 2200 | 0.293 | ppbv # | 1      |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 2766 | 0.410 | ppbv   | 99     |
| 29) Chloroform                | 2.852 | 83  | 5746 | 0.453 | ppbv   | 99     |
| 30) Cyclohexane               | 3.865 | 84  | 1721 | 0.243 | ppbv # | 36     |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 3595 | 0.418 | ppbv   | 89     |
| 32) 1,1,1-Trichloroethane     | 3.369 | 97  | 4905 | 0.381 | ppbv   | 92     |
| 34) 2-Butanone                | 2.560 | 43  | 5881 | 0.458 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.764 | 117 | 4393 | 0.387 | ppbv   | 98     |
| 36) Benzene                   | 3.658 | 78  | 6985 | 0.423 | ppbv   | 94     |
| 37) 1,2-Dichloroethane        | 3.217 | 62  | 4760 | 0.463 | ppbv # | 96     |
| 38) Trichloroethene           | 4.548 | 130 | 1643 | 0.234 | ppbv # | 90     |
| 39) 1,2-Dichloropropane       | 4.308 | 63  | 821  | 0.137 | ppbv   | 91     |
| 40) 1,4-Dioxane               | 4.606 | 88  | 614  | 0.210 | ppbv # | 27     |
| 41) Tetrahydrofuran           | 3.072 | 42  | 2545 | 0.353 | ppbv   | 95     |
| 42) Bromodichloromethane      | 4.489 | 83  | 2370 | 0.200 | ppbv # | 87     |
| 43) Methyl Methacrylate       | 4.881 | 69  | 1575 | 0.250 | ppbv # | 40     |
| 44) 2,2,4-Trimethylpentane    | 4.645 | 57  | 5644 | 0.200 | ppbv # | 35     |
| 45) t-1,3-Dichloropropene     | 6.412 | 75  | 527  | 0.081 | ppbv   | 93     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121624\  
 Data File : VL041763.D  
 Acq On : 16 Dec 2024 21:52  
 Operator : SY/MD  
 Sample : MDL 0.4  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

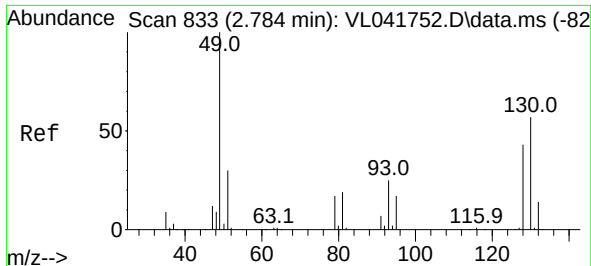
Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Dec 20 03:31:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Dec 19 07:32:09 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.629  | 75   | 230      | 0.028 | ppbv   | 94       |
| 47) 1,1,2-Trichloroethane     | 6.583  | 97   | 821      | 0.131 | ppbv # | 60       |
| 48) Dibromochloromethane      | 7.393  | 129  | 2633     | 0.309 | ppbv   | 95       |
| 49) Bromoform                 | 9.490  | 173  | 1986     | 0.285 | ppbv   | 93       |
| 50) 4-Methyl-2-Pentanone      | 5.774  | 43   | 3908     | 0.223 | ppbv # | 41       |
| 51) 2-Hexanone                | 7.451  | 43   | 2507     | 0.177 | ppbv # | 31       |
| 52) Tetrachloroethene         | 8.228  | 164  | 2497     | 0.406 | ppbv   | 90       |
| 53) Toluene                   | 6.936  | 91   | 5760     | 0.307 | ppbv # | 79       |
| 54) 1,2-Dibromoethane         | 7.655  | 107  | 1919     | 0.223 | ppbv   | 82       |
| 56) 1,1,1,2-Tetrachloroethane | 8.924  | 131  | 3128     | 0.418 | ppbv # | 1        |
| 57) Chlorobenzene             | 8.927  | 112  | 6380     | 0.442 | ppbv # | 87       |
| 58) Ethyl Benzene             | 9.360  | 91   | 9390     | 0.370 | ppbv   | 92       |
| 59) m/p-Xylene                | 9.551  | 91   | 7065     | 0.346 | ppbv # | 100      |
| 60) o-Xylene                  | 9.969  | 91   | 3469     | 0.169 | ppbv # | 6        |
| 61) Styrene                   | 9.875  | 104  | 2611     | 0.295 | ppbv   | 96       |
| 62) Isopropylbenzene          | 10.542 | 105  | 11584    | 0.376 | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 9.966  | 83   | 5185     | 0.404 | ppbv   | 98       |
| 64) n-propylbenzene           | 10.995 | 120  | 2616     | 0.336 | ppbv   | 89       |
| 65) tert-Butylbenzene         | 11.536 | 119  | 10422    | 0.375 | ppbv   | 96       |
| 66) Benzyl Chloride           | 11.616 | 91   | 760      | 0.311 | ppbv # | 83       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 14503    | 0.377 | ppbv   | 95       |
| 69) p-Isopropyltoluene        | 11.930 | 119  | 10524    | 0.332 | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.286 | 91   | 9991     | 0.327 | ppbv   | 96       |
| 71) 2-Chlorotoluene           | 10.901 | 91   | 8740     | 0.372 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.128 | 105  | 8385     | 0.347 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 11.209 | 105  | 6863     | 0.342 | ppbv   | 95       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 7498     | 0.348 | ppbv # | 86       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 5973     | 0.434 | ppbv   | 94       |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 5780     | 0.425 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.950 | 146  | 5668     | 0.428 | ppbv   | 97       |
| 78) Hexachloro-1,3-Butadiene  | 13.885 | 225  | 4193     | 0.427 | ppbv   | 95       |
| 79) Naphthalene               | 13.516 | 128  | 3904     | 0.260 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 14.465 | 142  | 403      | 0.087 | ppbv # | 85       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 2717     | 0.331 | ppbv   | 97       |

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

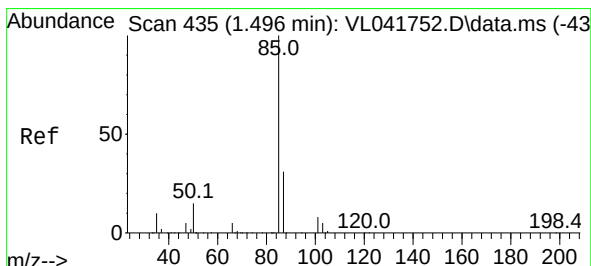
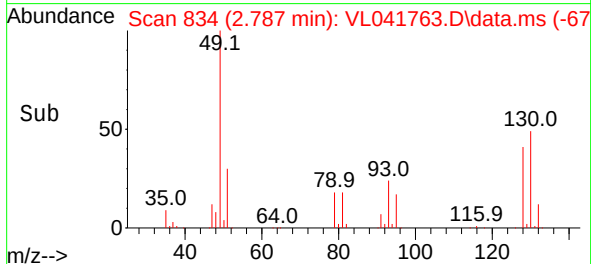
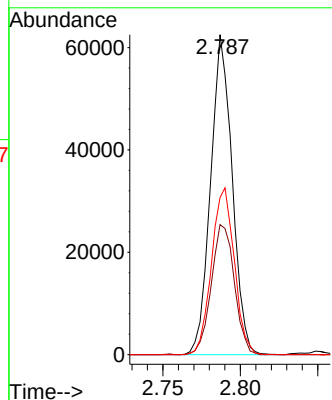
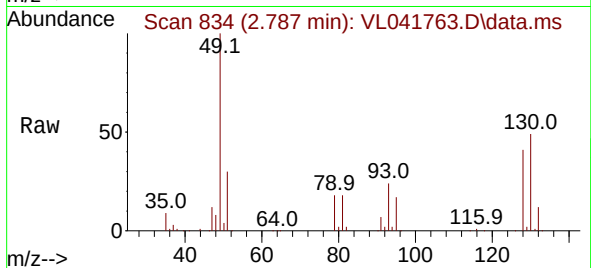




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 834  
Delta R.T. 0.003 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

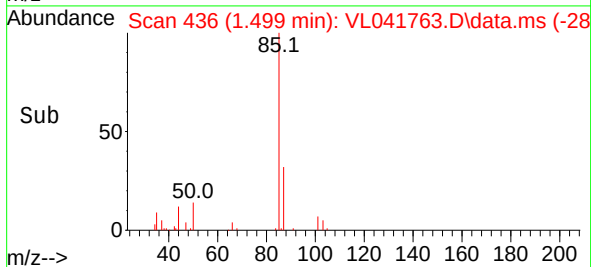
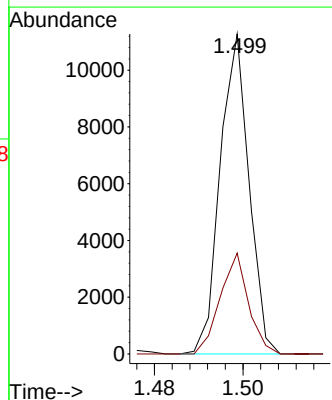
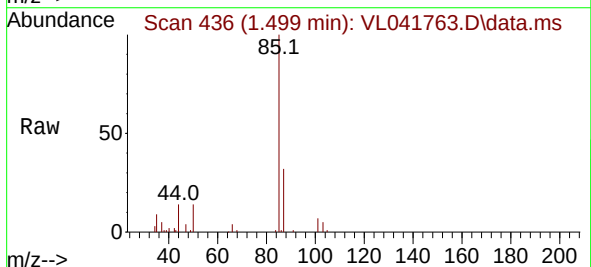
Instrument :  
MSVOA\_1  
ClientSampleId :

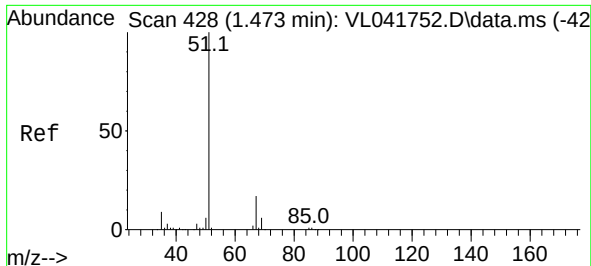
Tgt Ion: 49 Resp: 60563  
Ion Ratio Lower Upper  
49 100  
128 43.5 21.6 64.6  
130 55.0 28.3 85.0



#2  
Dichlorodifluoromethane  
Concen: 0.473 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

Tgt Ion: 85 Resp: 5095  
Ion Ratio Lower Upper  
85 100  
87 31.5 24.5 36.7





#3

Chlorodifluoromethane

Concen: 0.417 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

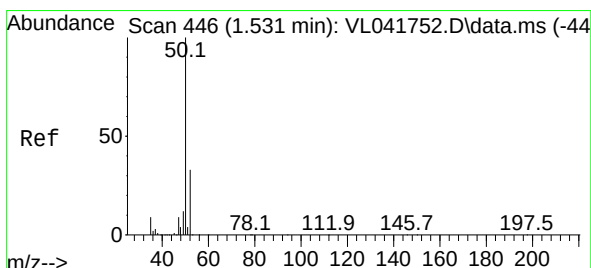
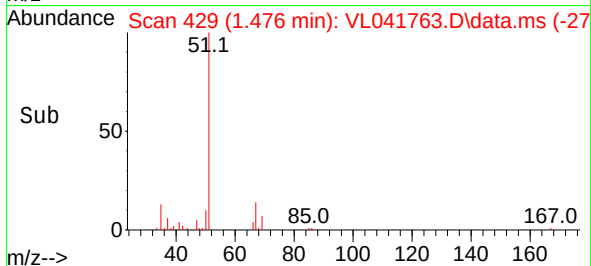
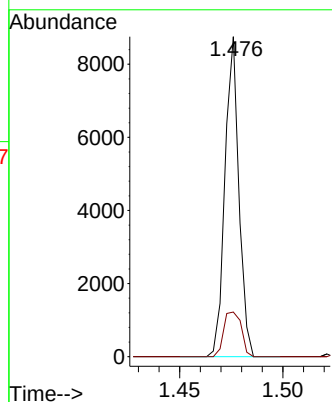
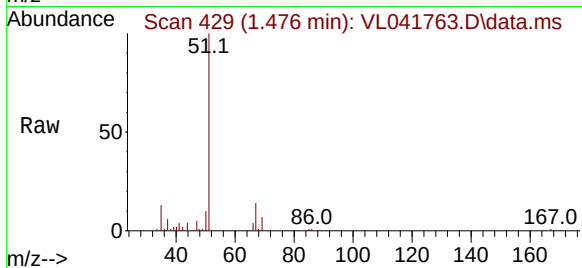
ClientSampleId :

Tgt Ion: 51 Resp: 4117

Ion Ratio Lower Upper

51 100

67 17.6 15.0 22.4



#4

Chloromethane

Concen: 0.462 ppbv

RT: 1.534 min Scan# 447

Delta R.T. 0.003 min

Lab File: VL041763.D

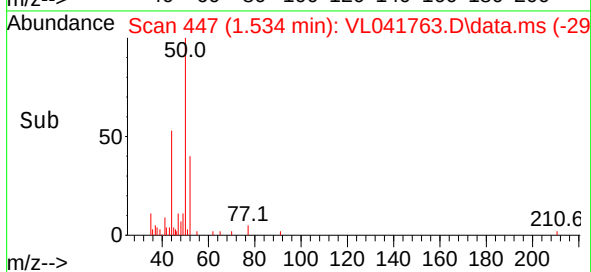
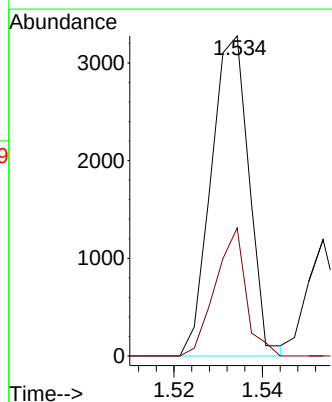
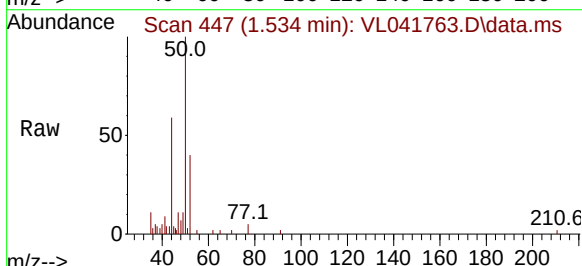
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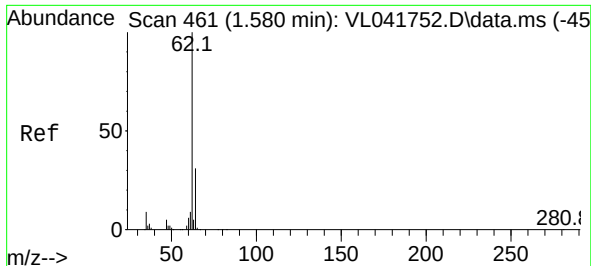
Tgt Ion: 50 Resp: 1950

Ion Ratio Lower Upper

50 100

52 40.0 26.2 39.2#

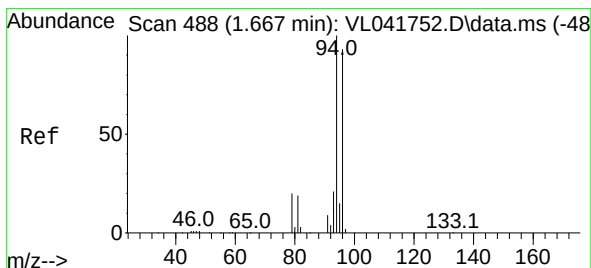
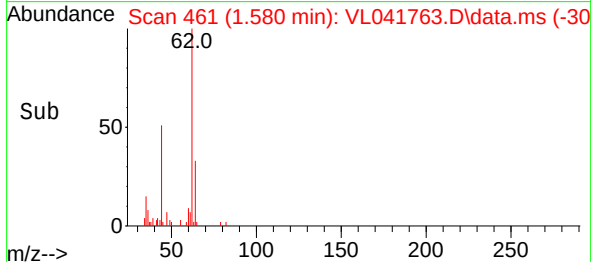
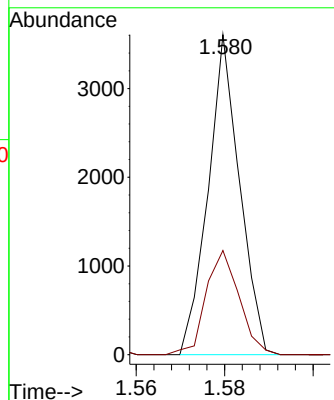
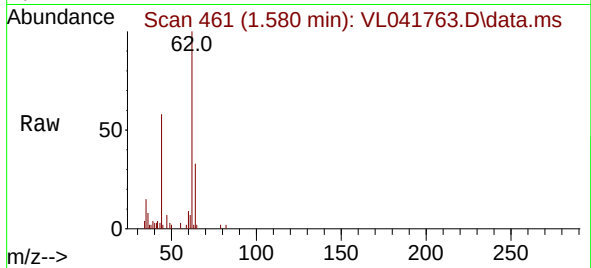




#5  
 Vinyl Chloride  
 Concen: 0.421 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. -0.000 min  
 Lab File: VL041763.D  
 Acq: 16 Dec 2024 21:52

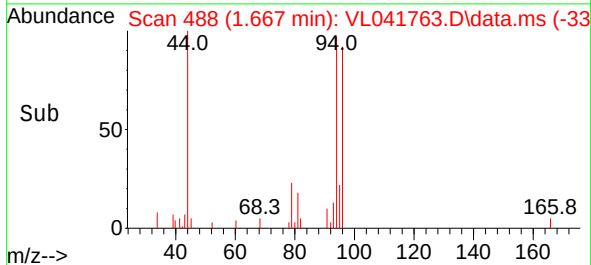
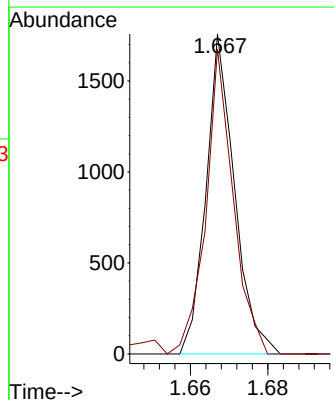
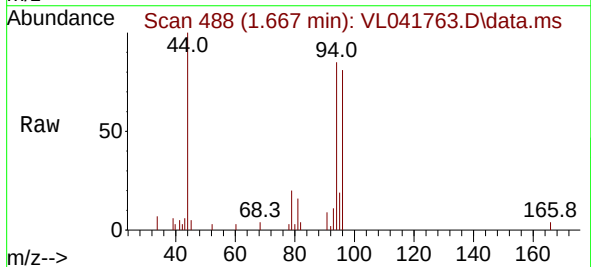
Instrument :  
 MSVOA\_L  
 ClientSampleId :

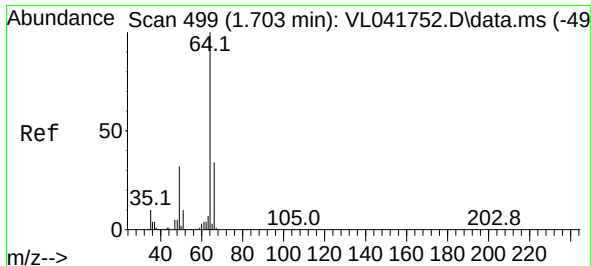
Tgt Ion: 62 Resp: 1788  
 Ion Ratio Lower Upper  
 62 100  
 64 32.6 25.1 37.7



#6  
 Bromomethane  
 Concen: 0.448 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. -0.000 min  
 Lab File: VL041763.D  
 Acq: 16 Dec 2024 21:52

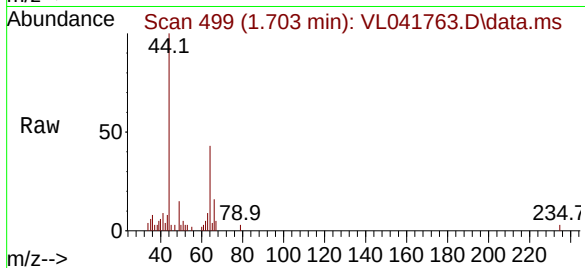
Tgt Ion: 94 Resp: 899  
 Ion Ratio Lower Upper  
 94 100  
 96 95.3 74.7 112.1



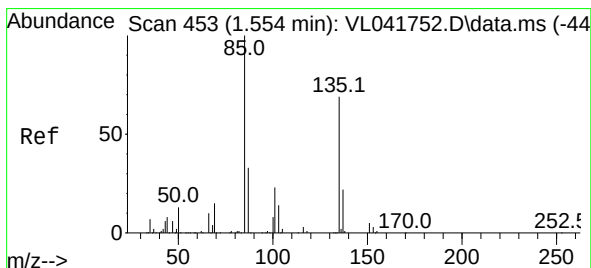
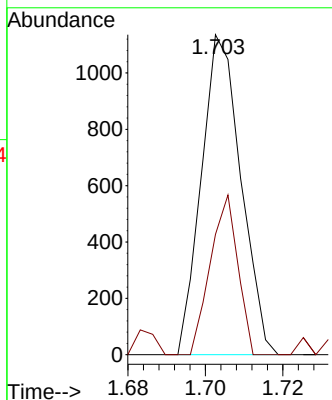
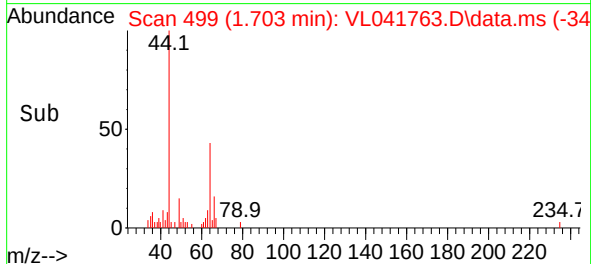


#7  
Chloroethane  
Concen: 0.488 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. -0.000 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

Instrument :  
MSVOA\_L  
ClientSampleId :

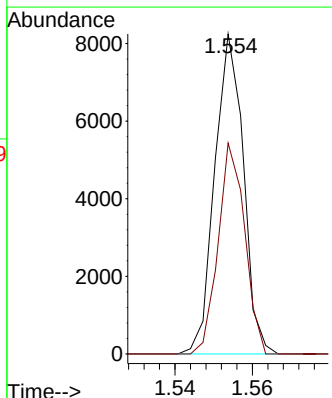
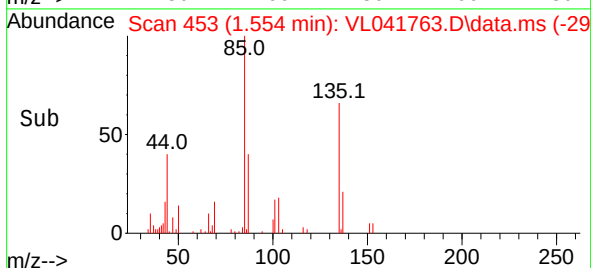
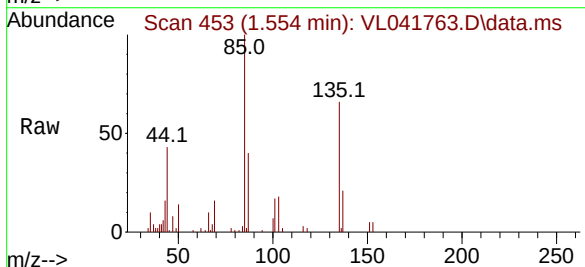


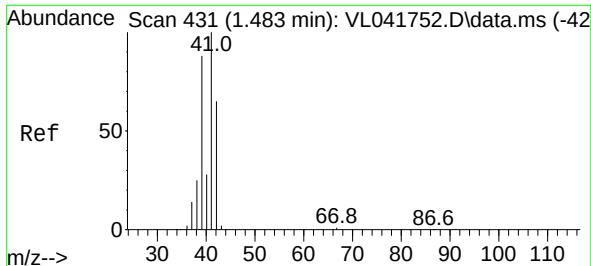
Tgt Ion: 64 Resp: 805  
Ion Ratio Lower Upper  
64 100  
66 37.6 27.5 41.3



#8  
Dichlorotetrafluoroethane  
Concen: 0.439 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

Tgt Ion: 85 Resp: 4233  
Ion Ratio Lower Upper  
85 100  
135 61.1 51.9 77.9





#9

Propene

Concen: 0.160 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.404 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

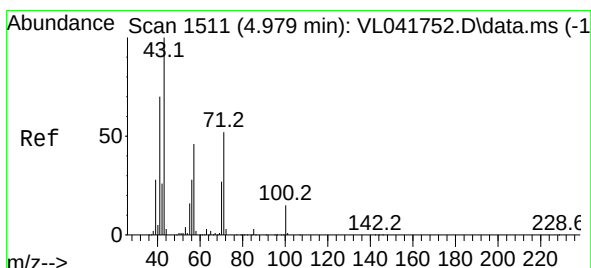
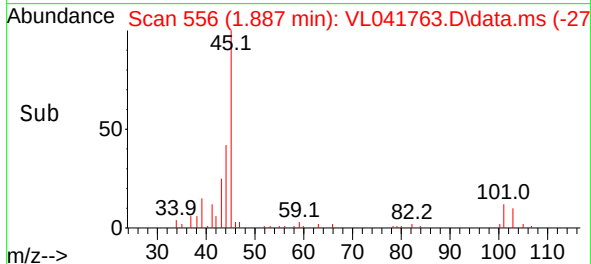
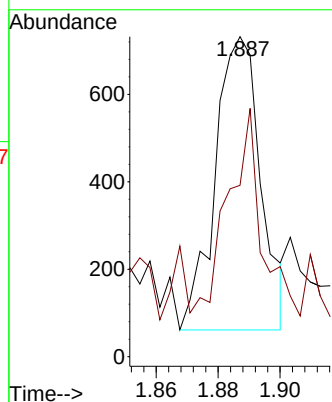
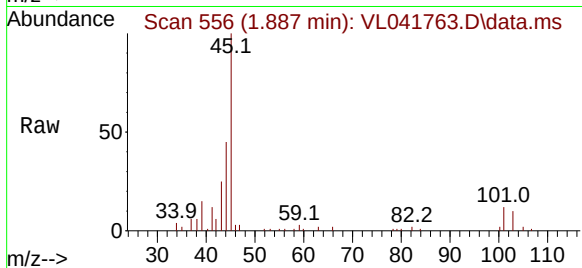
ClientSampleId :

Tgt Ion: 41 Resp: 684

Ion Ratio Lower Upper

41 100

42 65.5 52.4 78.6



#10

Heptane

Concen: 0.219 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.006 min

Lab File: VL041763.D

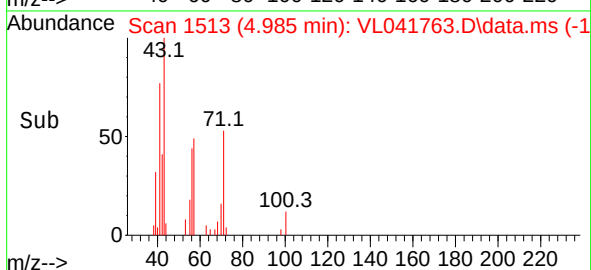
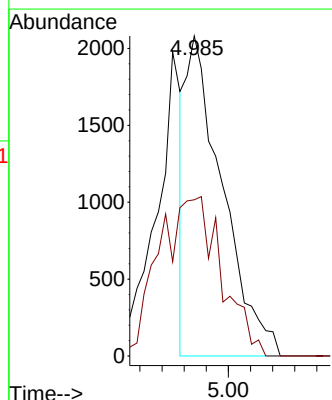
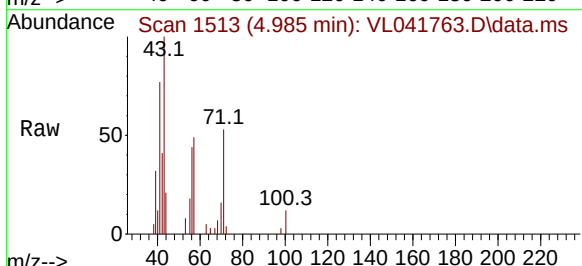
Acq: 16 Dec 2024 21:52

Tgt Ion: 43 Resp: 2404

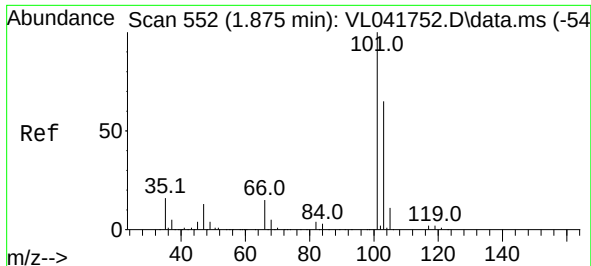
Ion Ratio Lower Upper

43 100

57 85.6 38.5 57.7#







#11

Trichlorofluoromethane

Concen: 0.450 ppbv

RT: 1.877 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

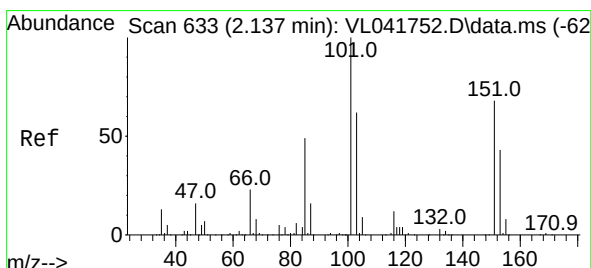
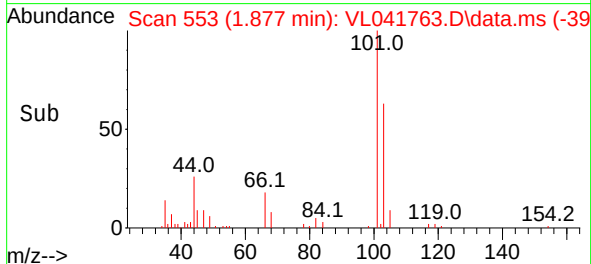
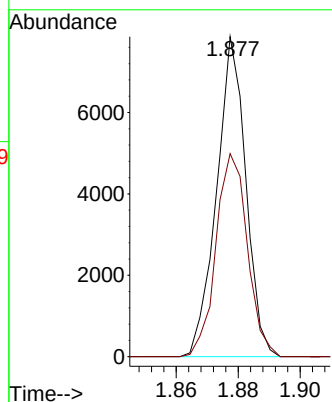
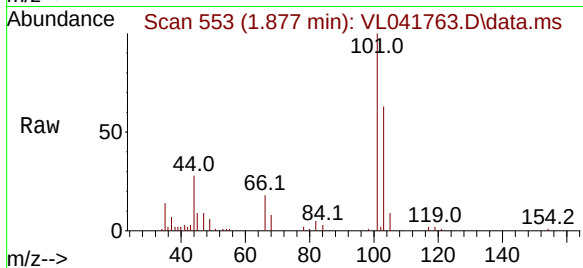
ClientSampleId :

Tgt Ion:101 Resp: 5146

Ion Ratio Lower Upper

101 100

103 63.4 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.452 ppbv

RT: 2.143 min Scan# 635

Delta R.T. 0.006 min

Lab File: VL041763.D

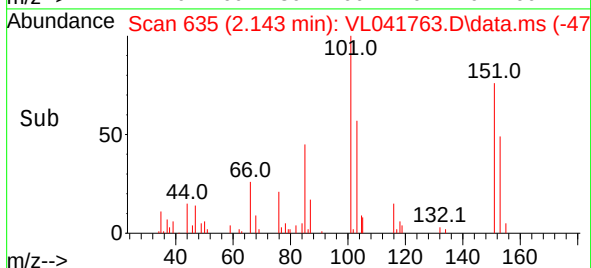
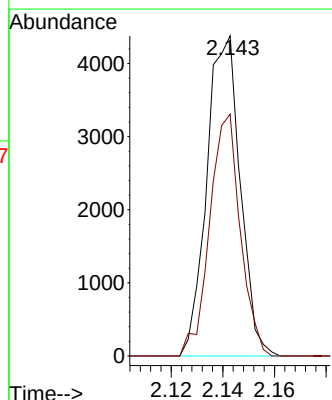
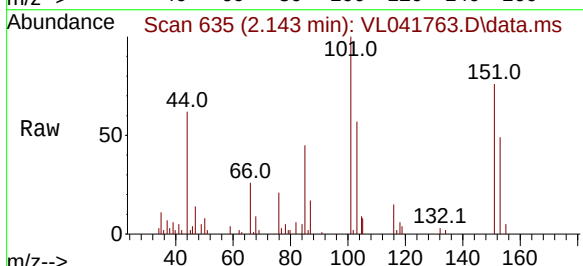
Acq: 16 Dec 2024 21:52

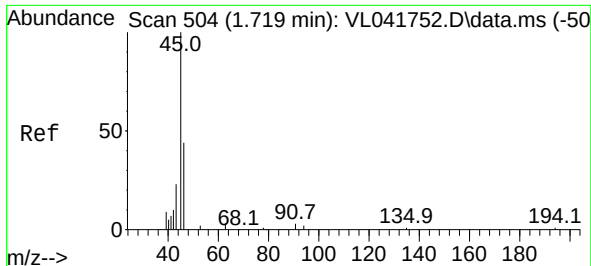
Tgt Ion:101 Resp: 3936

Ion Ratio Lower Upper

101 100

151 69.2 56.8 85.2





#13

Ethanol

Concen: 0.739 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

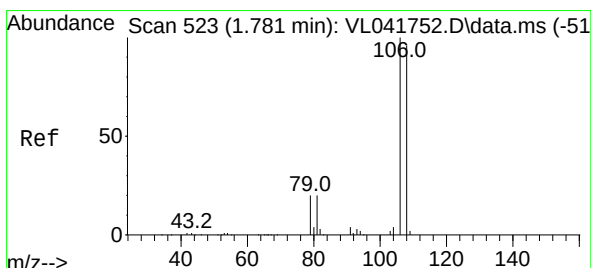
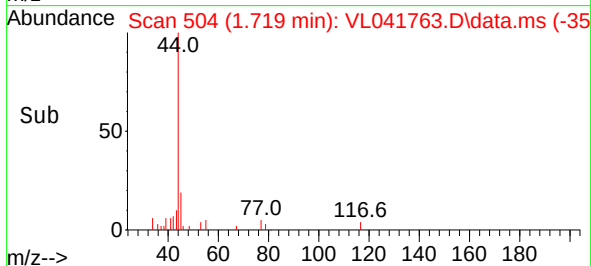
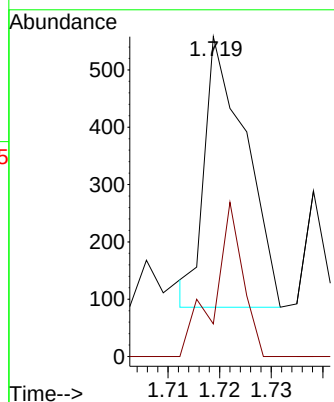
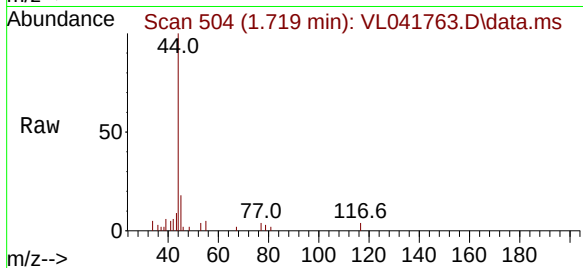
ClientSampleId :

Tgt Ion: 45 Resp: 262

Ion Ratio Lower Upper

45 100

46 39.3 16.4 65.8



#14

Bromoethene

Concen: 0.407 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

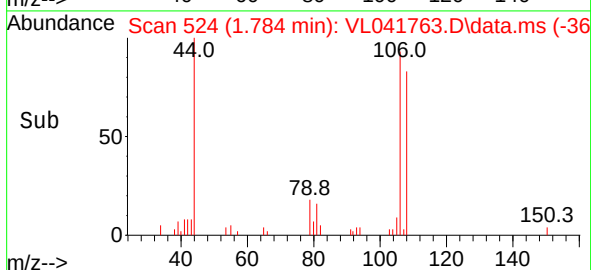
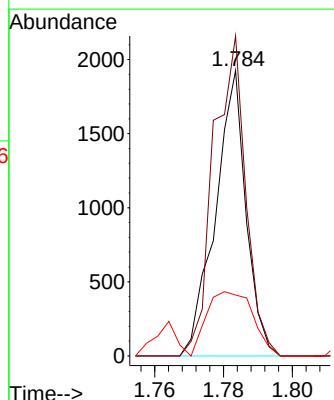
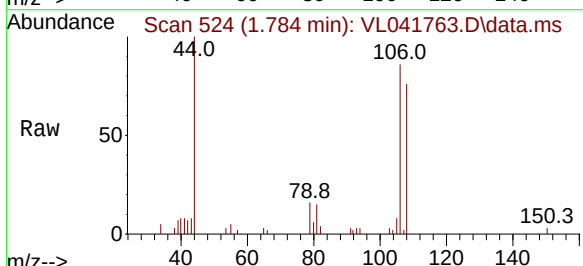
Tgt Ion:108 Resp: 1195

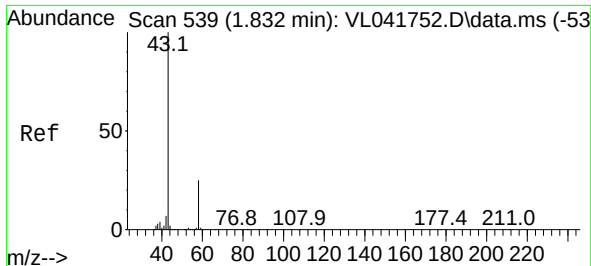
Ion Ratio Lower Upper

108 100

106 116.7 84.1 126.1

79 43.5 17.4 26.0#





#15

Acetone

Concen: 0.590 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

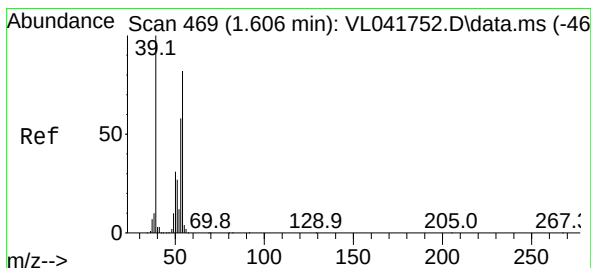
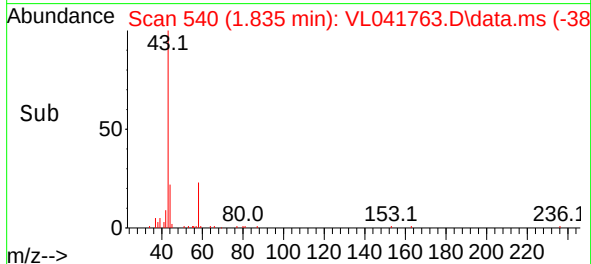
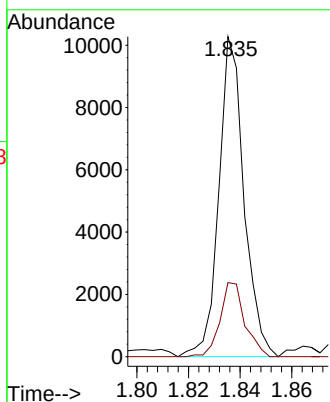
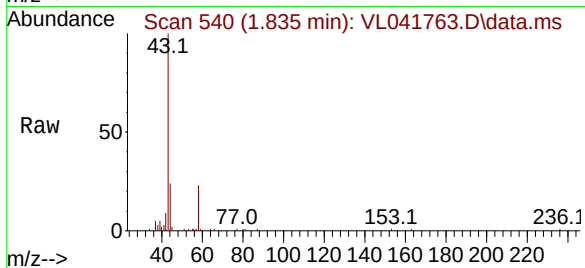
ClientSampleId :

Tgt Ion: 43 Resp: 6950

Ion Ratio Lower Upper

43 100

58 22.7 19.7 29.5



#16

1,3-Butadiene

Concen: 0.452 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041763.D

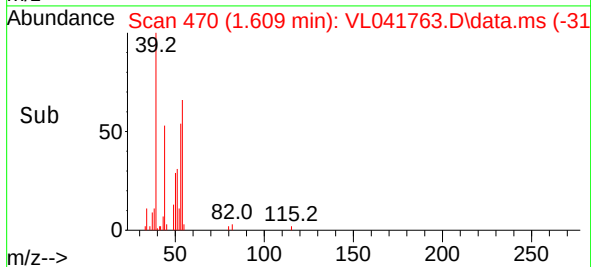
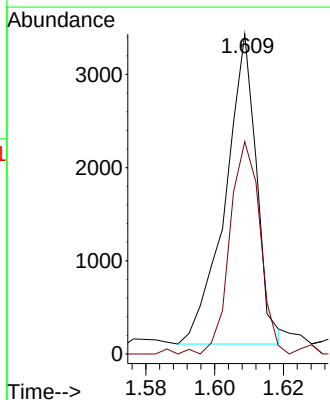
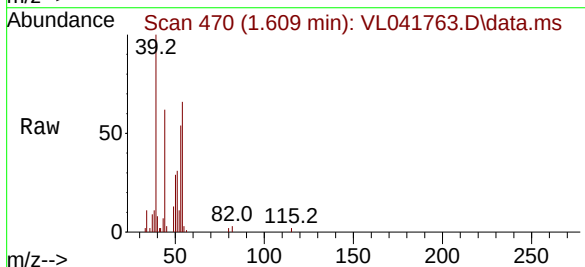
Acq: 16 Dec 2024 21:52

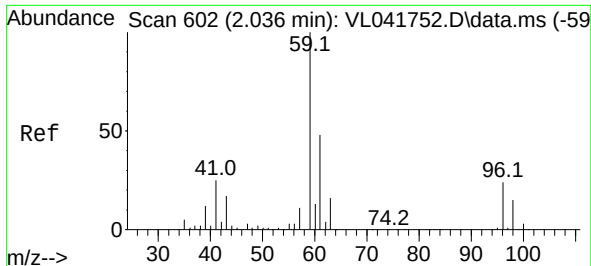
Tgt Ion: 39 Resp: 2096

Ion Ratio Lower Upper

39 100

54 68.1 58.4 87.6





#17

tert-Butyl alcohol

Concen: 0.432 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

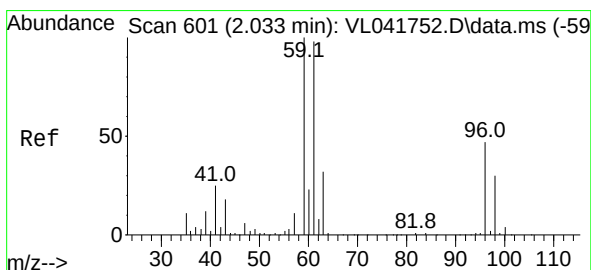
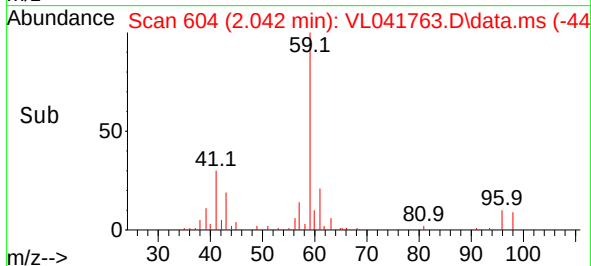
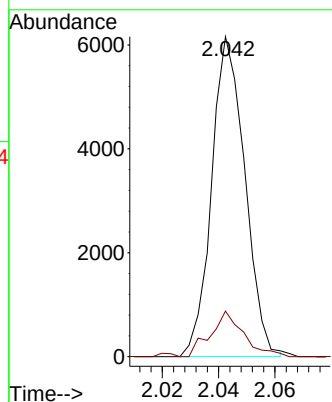
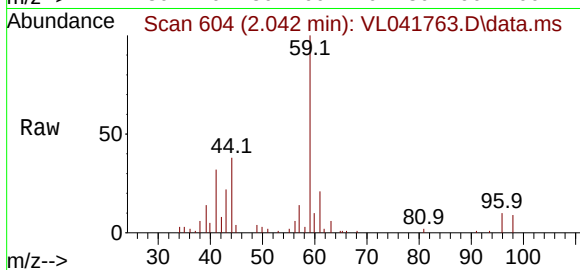
ClientSampleId :

Tgt Ion: 59 Resp: 5049

Ion Ratio Lower Upper

59 100

57 14.6 8.6 13.0#



#18

1,1-Dichloroethene

Concen: 0.455 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

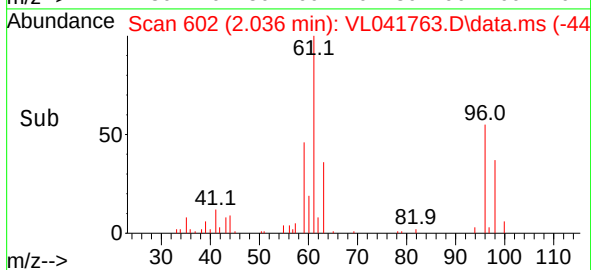
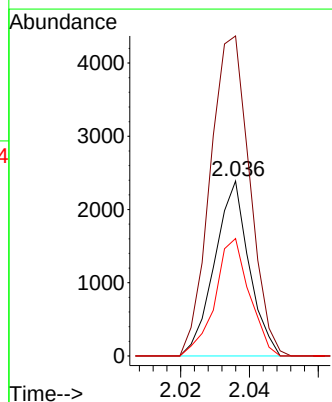
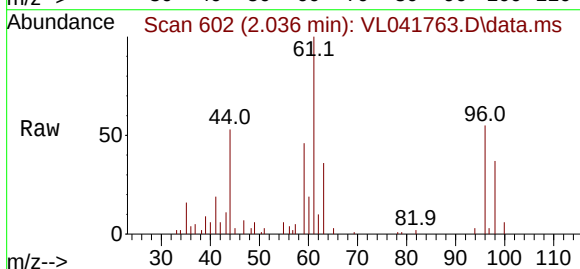
Tgt Ion: 96 Resp: 1660

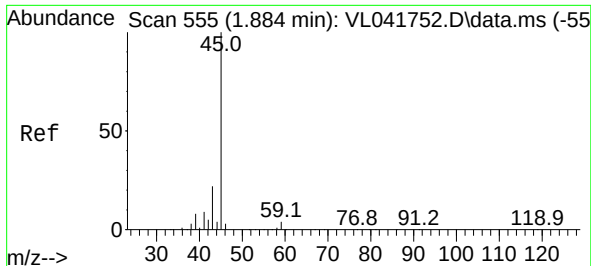
Ion Ratio Lower Upper

96 100

61 182.9 167.7 251.5

98 67.1 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.607 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

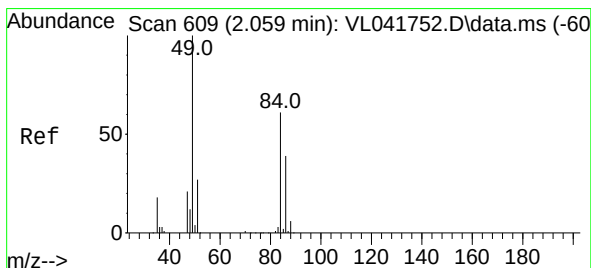
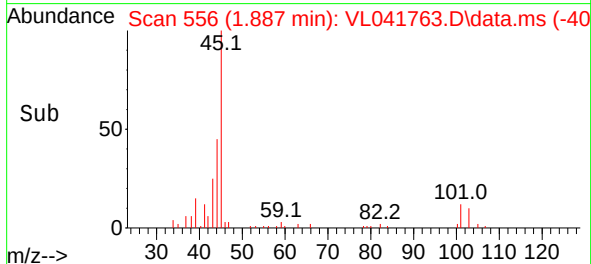
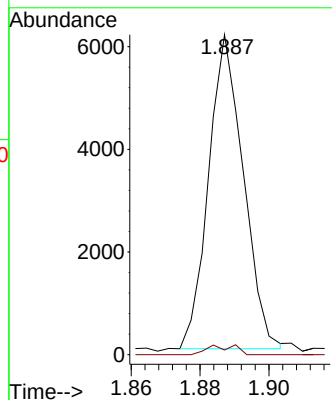
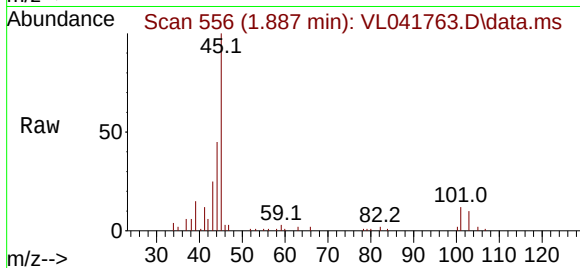
ClientSampleId :

Tgt Ion: 45 Resp: 4291

Ion Ratio Lower Upper

45 100

58 2.4 33.3 49.9#



#20

Methylene Chloride

Concen: 0.554 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Tgt Ion: 84 Resp: 1862

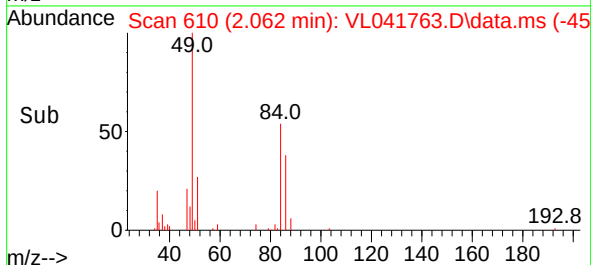
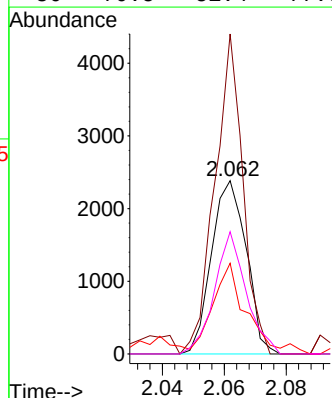
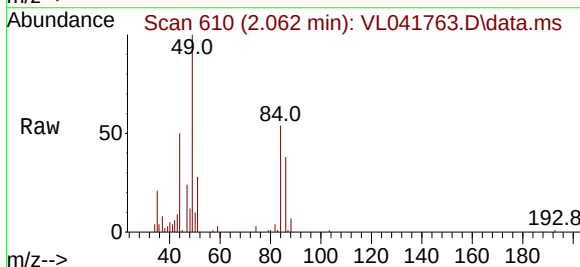
Ion Ratio Lower Upper

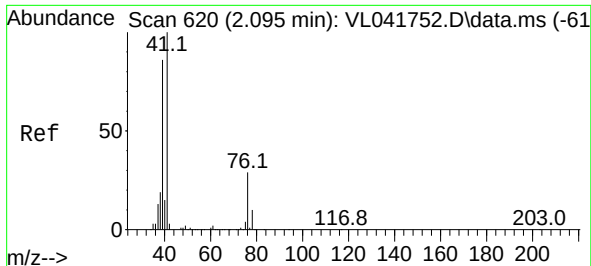
84 100

49 184.6 132.6 198.8

51 49.0 37.6 56.4

86 70.5 51.4 77.0





#21

Allyl Chloride

Concen: 0.443 ppbv

RT: 2.097 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

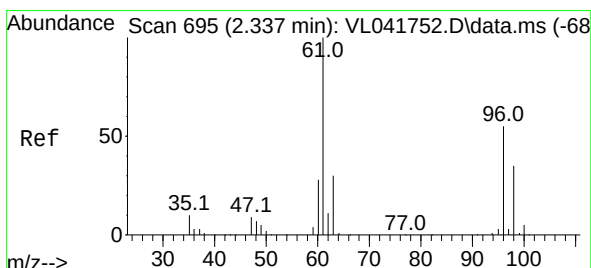
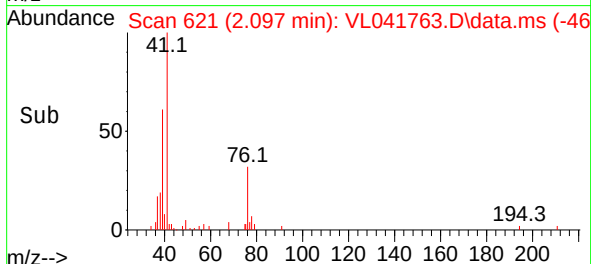
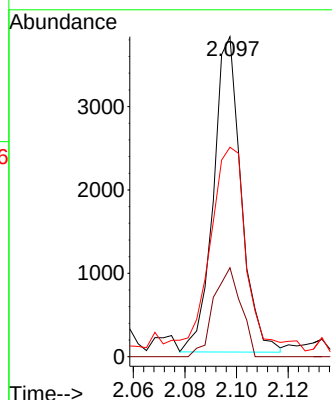
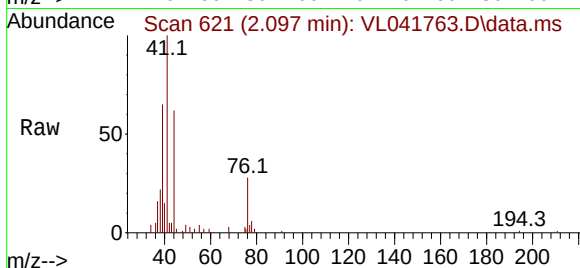
Tgt Ion: 41 Resp: 2831

Ion Ratio Lower Upper

41 100

76 27.7 22.3 33.5

39 92.7 69.2 103.8



#22

trans-1,2-Dichloroethene

Concen: 0.397 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.301 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

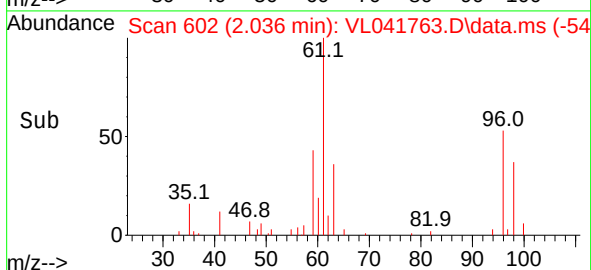
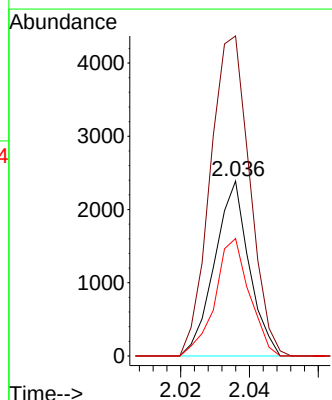
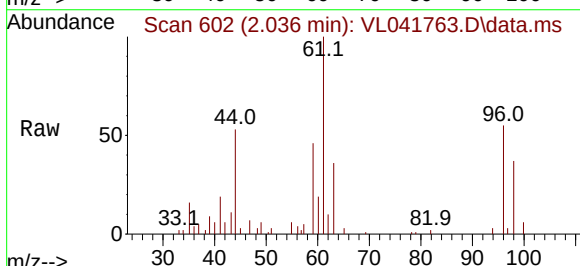
Tgt Ion: 96 Resp: 1660

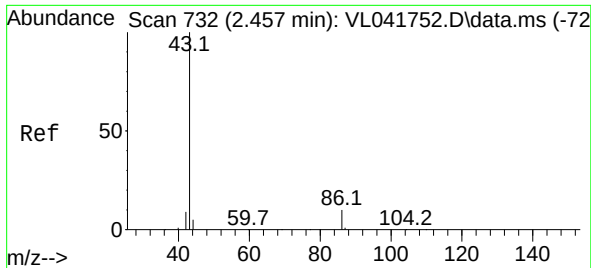
Ion Ratio Lower Upper

96 100

61 182.9 146.3 219.5

98 67.1 50.8 76.2

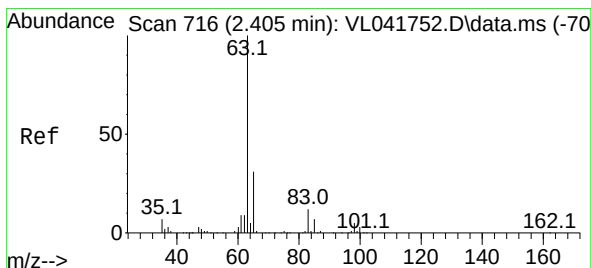
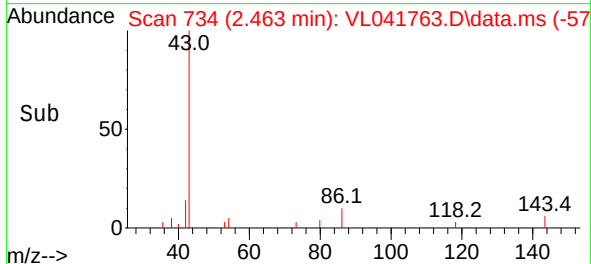
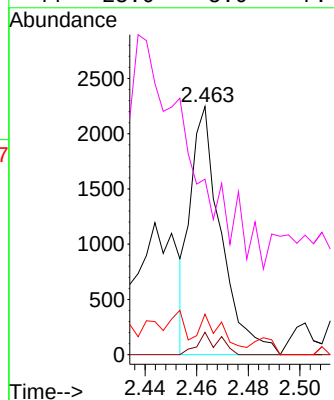
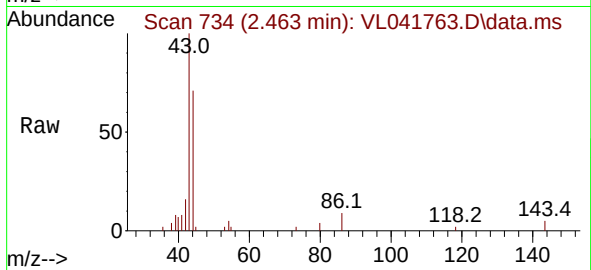




#23  
 Vinyl Acetate  
 Concen: 0.336 ppbv  
 RT: 2.463 min Scan# 718  
 Delta R.T. 0.006 min  
 Lab File: VL041763.D  
 Acq: 16 Dec 2024 21:52

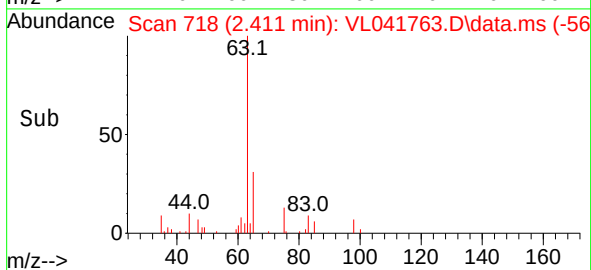
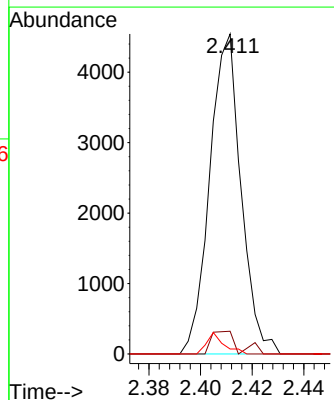
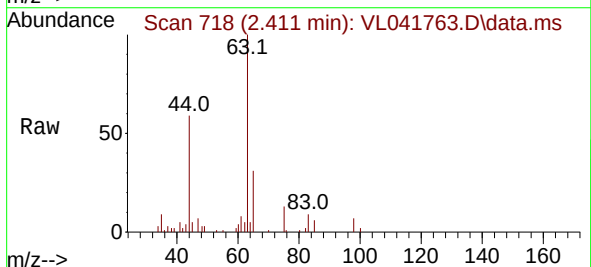
Instrument :  
 MSVOA\_1  
 ClientSampleId :

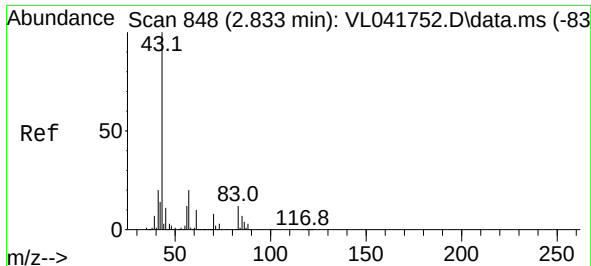
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 1841  |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 86        | 9.0   | 6.6   | 10.0  |
| 42        | 16.3  | 8.2   | 12.2# |
| 44        | 23.0  | 5.0   | 7.4#  |



#24  
 1,1-Dichloroethane  
 Concen: 0.452 ppbv  
 RT: 2.411 min Scan# 718  
 Delta R.T. 0.006 min  
 Lab File: VL041763.D  
 Acq: 16 Dec 2024 21:52

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 3825 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 98        | 7.1   | 2.3   | 6.8# |
| 100       | 1.6   | 1.4   | 4.2  |





#25

Ethyl Acetate

Concen: 0.424 ppbv

RT: 2.839 min Scan# 848

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

Tgt Ion: 43 Resp: 9296

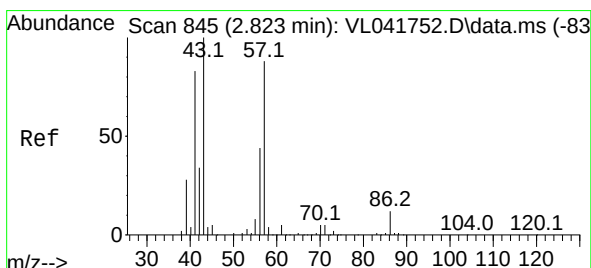
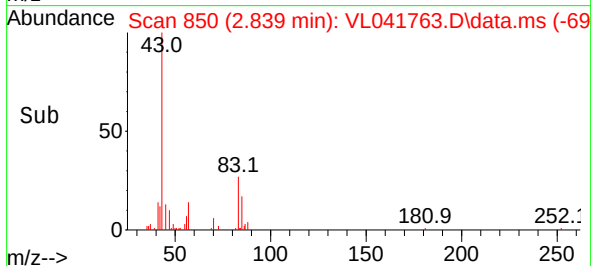
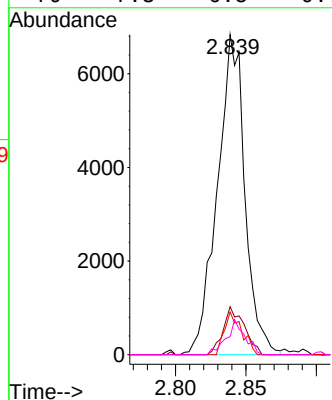
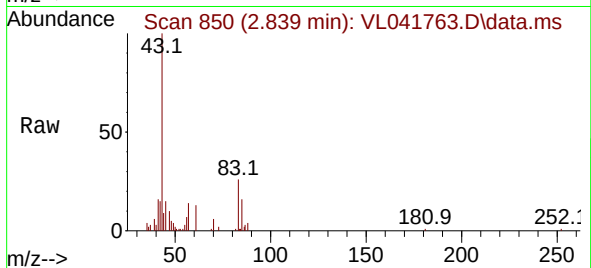
Ion Ratio Lower Upper

43 100

45 11.5 8.1 12.1

61 8.5 7.0 10.6

70 7.3 6.5 9.7



#26

Hexane

Concen: 0.382 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Tgt Ion: 57 Resp: 3181

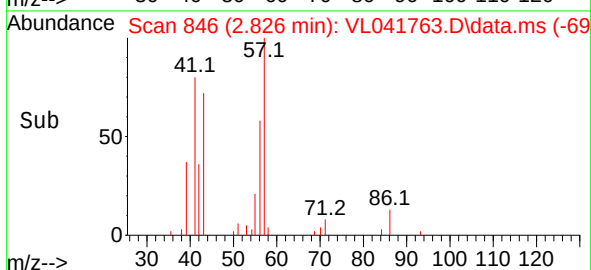
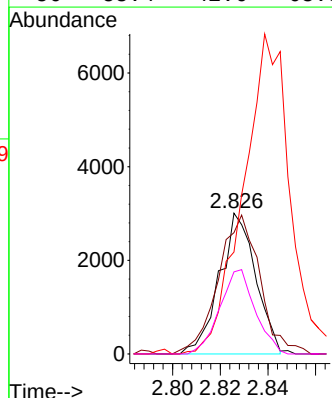
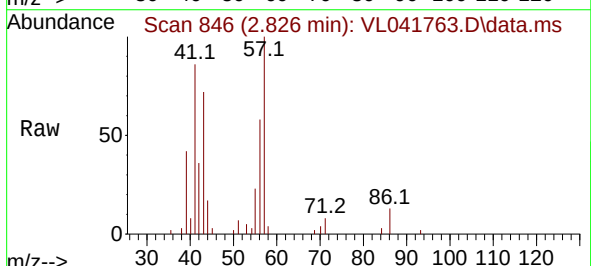
Ion Ratio Lower Upper

57 100

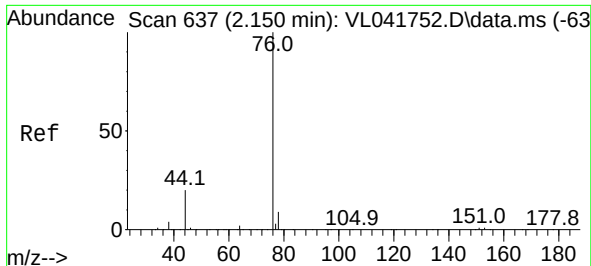
41 114.4 79.6 119.4

43 296.4 211.0 316.6

56 58.4 42.6 63.8







#27

Carbon Disulfide

Concen: 0.293 ppbv

RT: 2.152 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

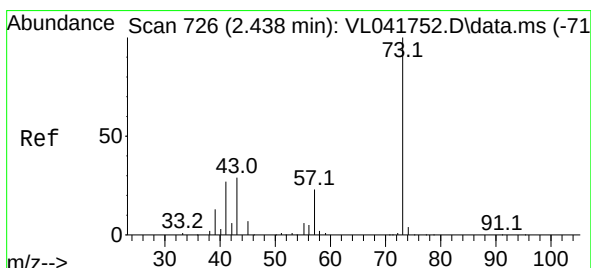
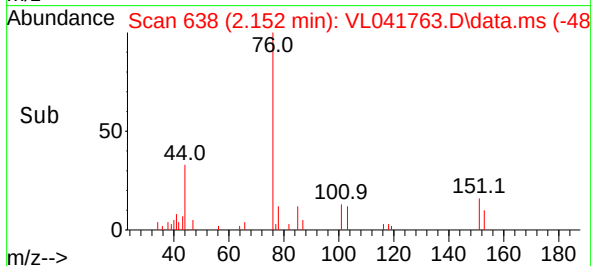
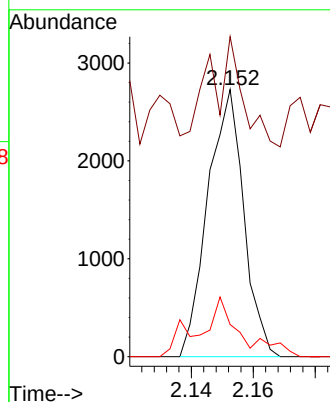
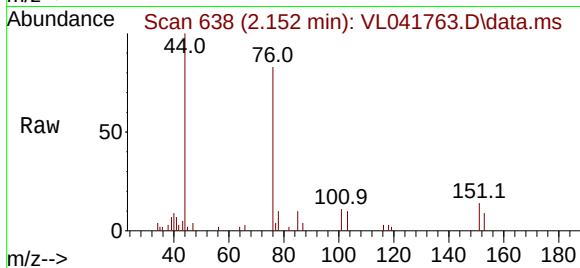
Tgt Ion: 76 Resp: 2200

Ion Ratio Lower Upper

76 100

44 221.0 17.6 26.4#

78 25.9 10.2 15.4#



#28

Methyl tert-Butyl Ether

Concen: 0.410 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.003 min

Lab File: VL041763.D

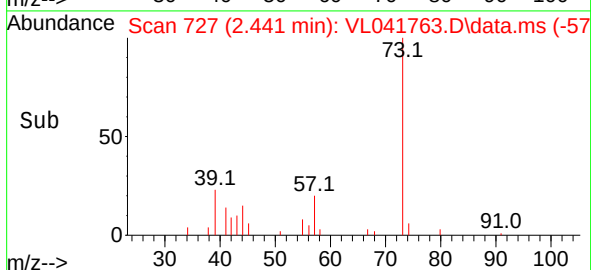
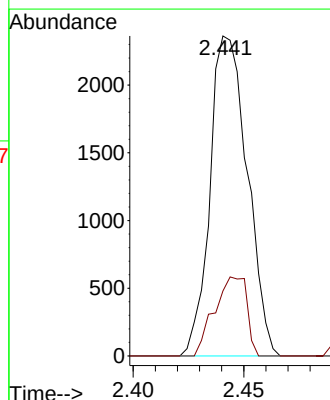
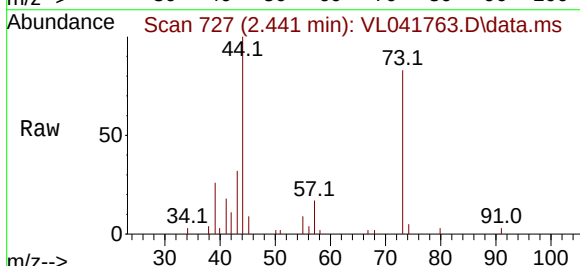
Acq: 16 Dec 2024 21:52

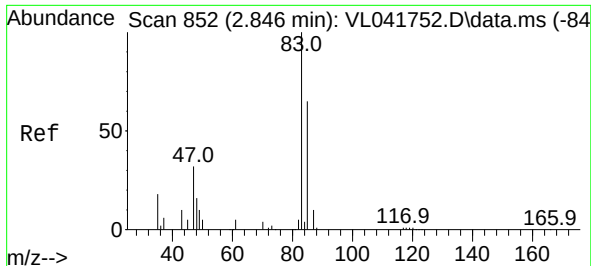
Tgt Ion: 73 Resp: 2766

Ion Ratio Lower Upper

73 100

57 21.5 17.6 26.4





#29

Chloroform

Concen: 0.453 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

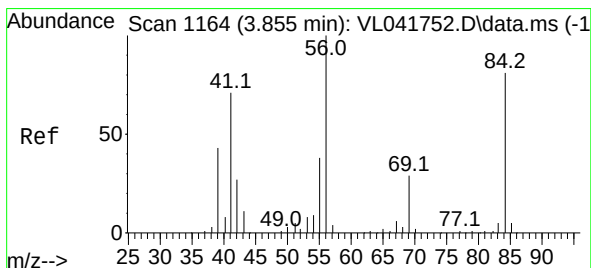
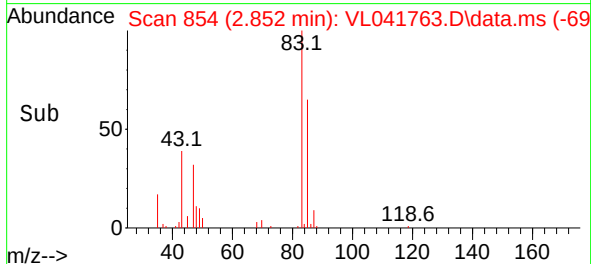
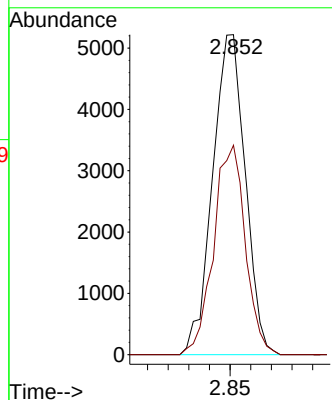
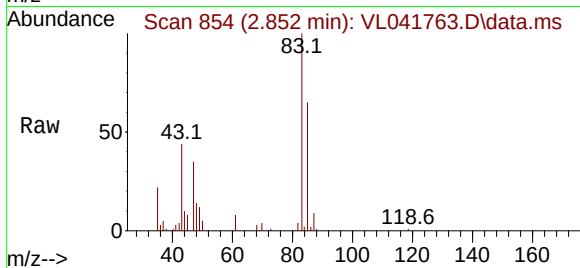
ClientSampleId :

Tgt Ion: 83 Resp: 5746

Ion Ratio Lower Upper

83 100

85 65.5 51.8 77.6



#30

Cyclohexane

Concen: 0.243 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.009 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

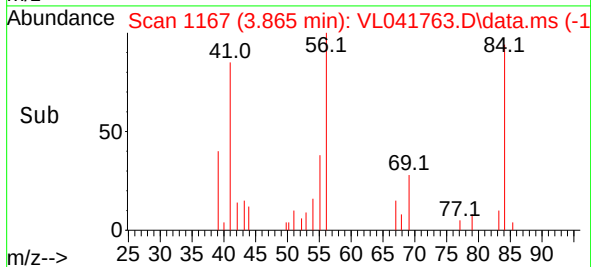
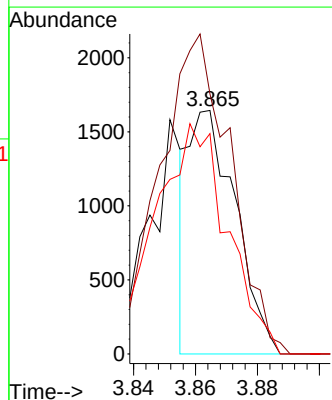
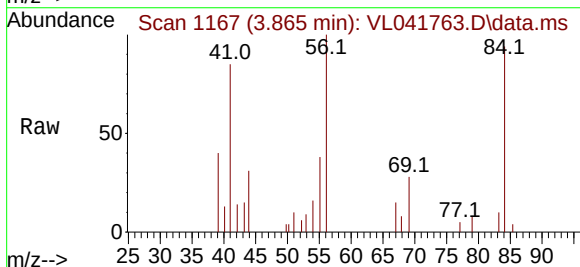
Tgt Ion: 84 Resp: 1721

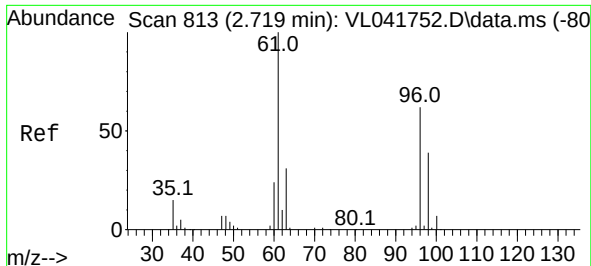
Ion Ratio Lower Upper

84 100

56 203.6 102.3 153.5#

41 150.8 74.0 111.0#





#31

cis-1,2-Dichloroethene

Concen: 0.418 ppbv

RT: 2.719 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

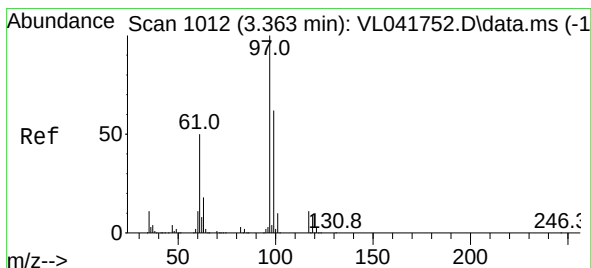
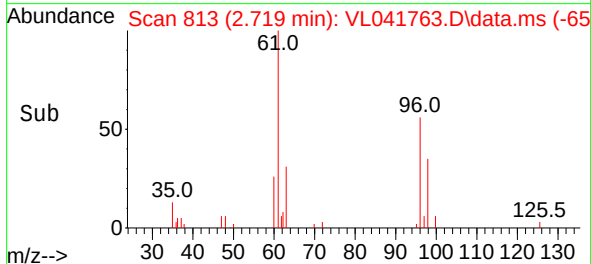
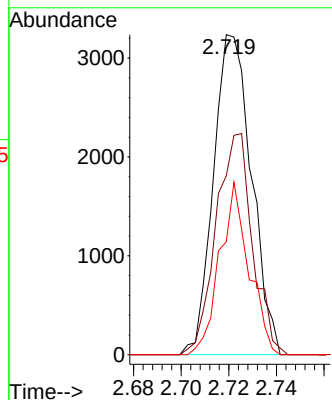
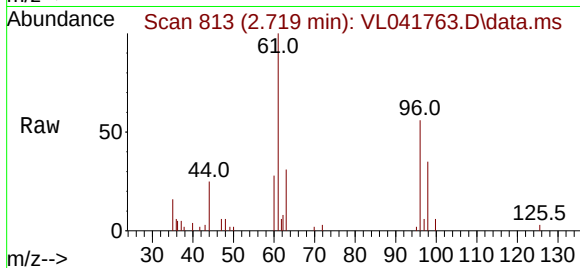
Tgt Ion: 61 Resp: 3595

Ion Ratio Lower Upper

61 100

96 52.5 49.7 74.5

98 33.1 30.8 46.2



#32

1,1,1-Trichloroethane

Concen: 0.381 ppbv

RT: 3.369 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

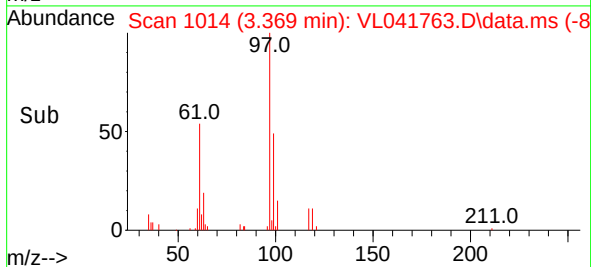
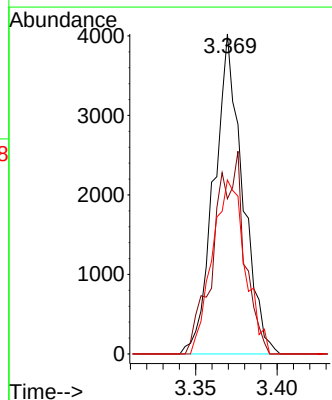
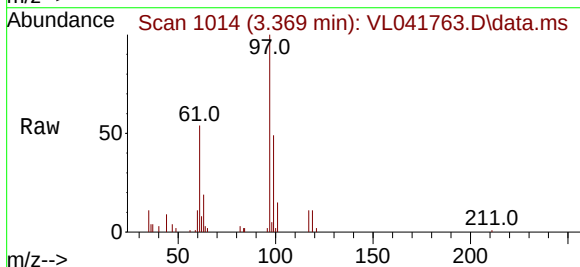
Tgt Ion: 97 Resp: 4905

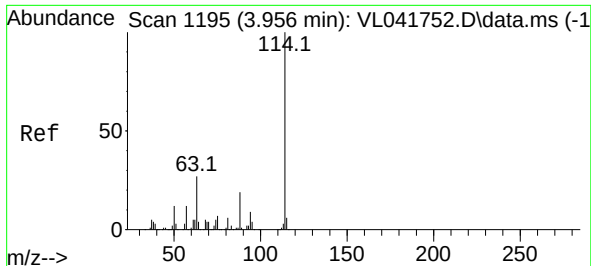
Ion Ratio Lower Upper

97 100

99 66.8 51.0 76.4

61 62.5 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

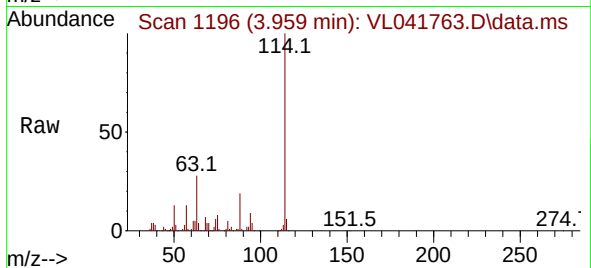
Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :



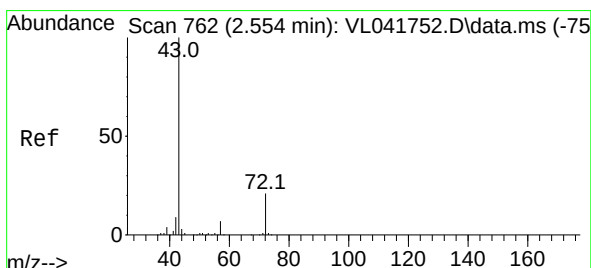
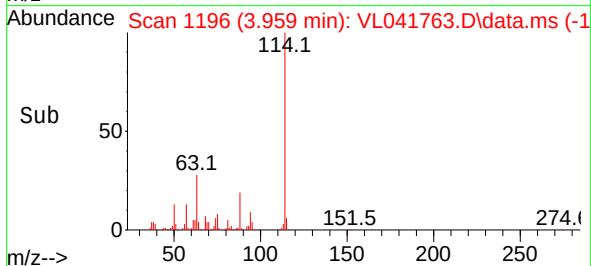
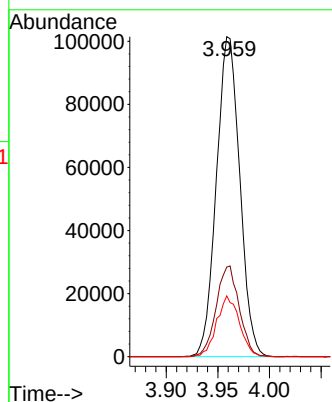
Tgt Ion:114 Resp: 159774

Ion Ratio Lower Upper

114 100

63 27.9 21.8 32.8

88 18.4 14.8 22.2



#34

2-Butanone

Concen: 0.458 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL041763.D

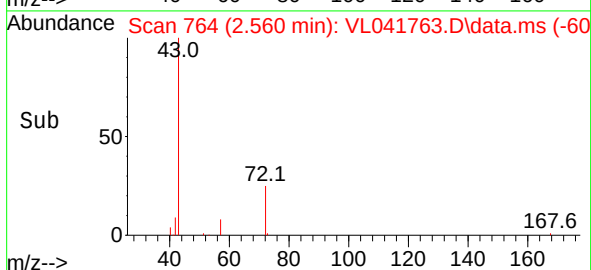
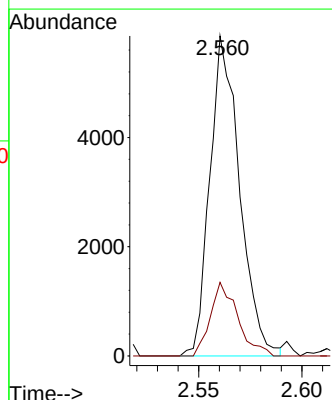
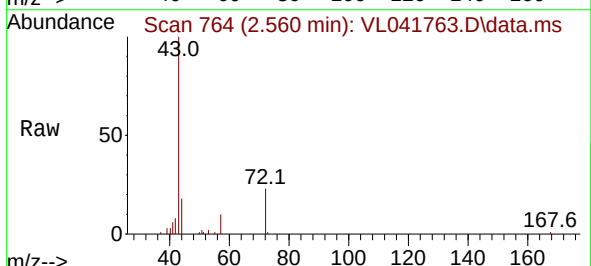
Acq: 16 Dec 2024 21:52

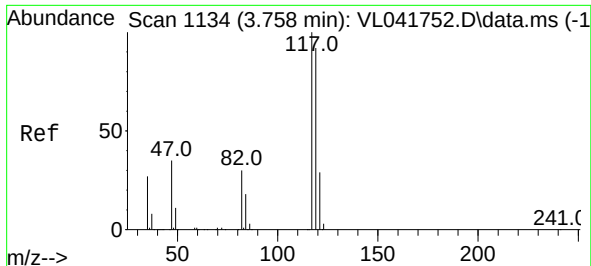
Tgt Ion: 43 Resp: 5881

Ion Ratio Lower Upper

43 100

72 21.1 16.8 25.2

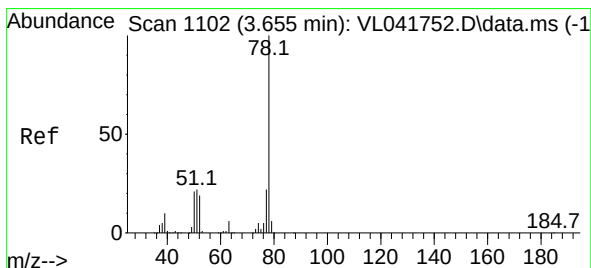
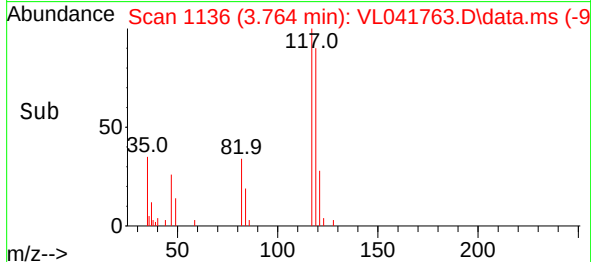
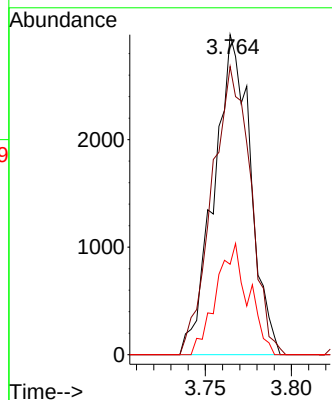
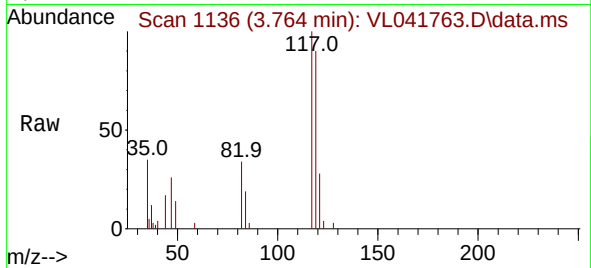




#35  
Carbon Tetrachloride  
Concen: 0.387 ppbv  
RT: 3.764 min Scan# 1136  
Delta R.T. 0.006 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

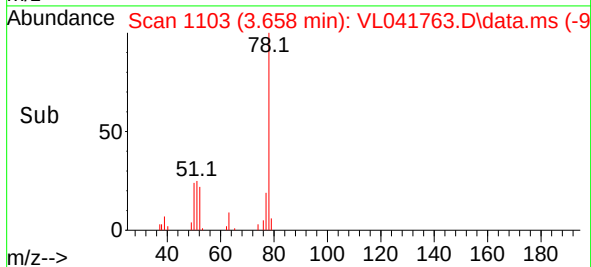
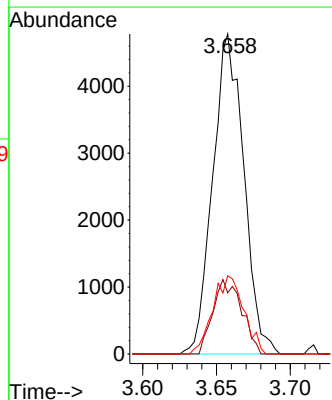
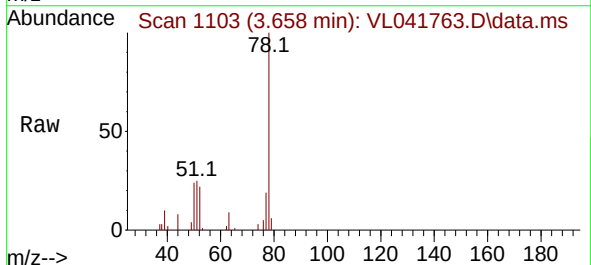
Instrument :  
MSVOA\_L  
ClientSampleId :

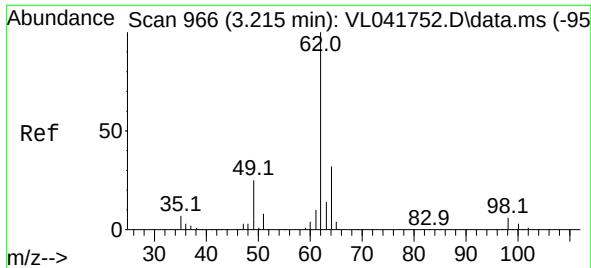
Tgt Ion:117 Resp: 4393  
Ion Ratio Lower Upper  
117 100  
119 90.1 73.7 110.5  
121 28.3 23.0 34.4



#36  
Benzene  
Concen: 0.423 ppbv  
RT: 3.658 min Scan# 1103  
Delta R.T. 0.003 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

Tgt Ion: 78 Resp: 6985  
Ion Ratio Lower Upper  
78 100  
77 19.1 17.8 26.6  
50 24.4 17.2 25.8

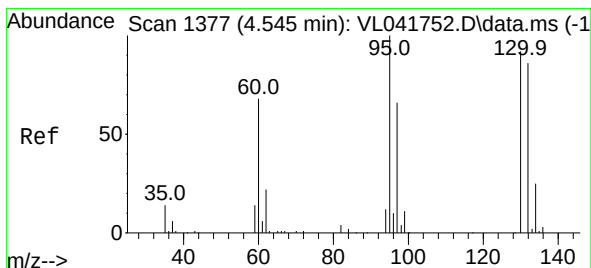
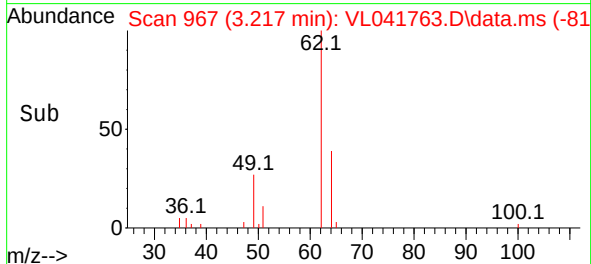
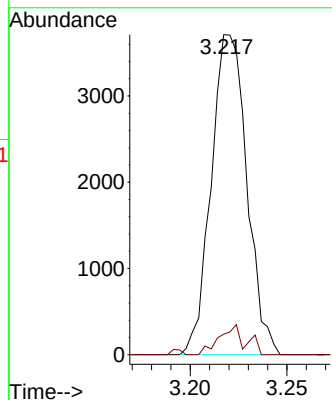
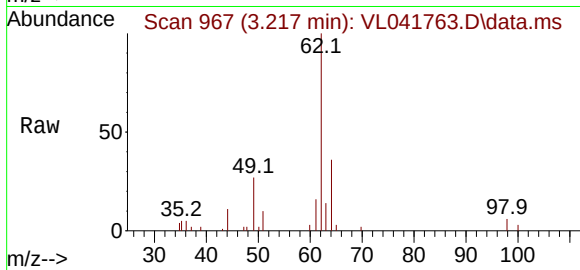




#37  
1,2-Dichloroethane  
Concen: 0.463 ppbv  
RT: 3.217 min Scan# 90  
Delta R.T. 0.003 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

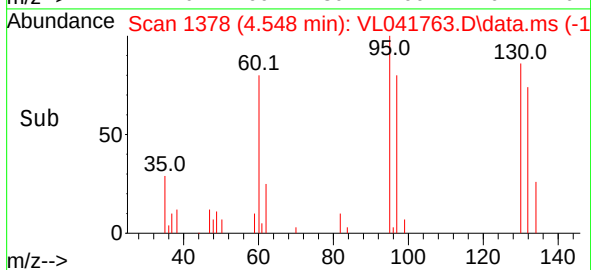
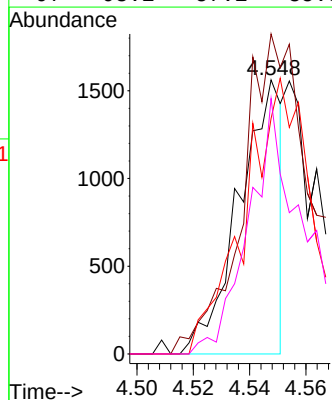
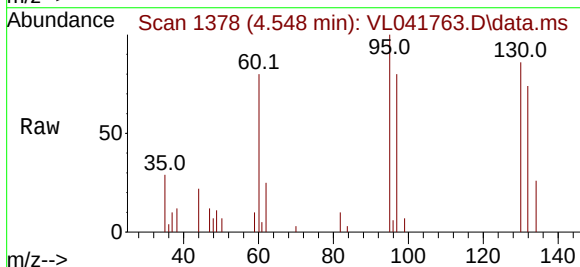
Instrument :  
MSVOA\_L  
ClientSampleId :

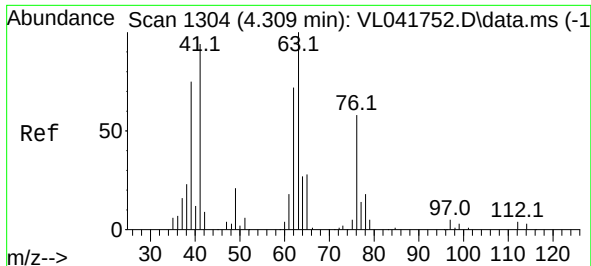
Tgt Ion: 62 Resp: 4760  
Ion Ratio Lower Upper  
62 100  
98 7.2 4.7 7.1#



#38  
Trichloroethene  
Concen: 0.234 ppbv  
RT: 4.548 min Scan# 1378  
Delta R.T. 0.003 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

Tgt Ion:130 Resp: 1643  
Ion Ratio Lower Upper  
130 100  
95 110.6 87.0 130.6  
132 85.9 75.0 112.6  
97 93.2 57.2 85.8#





#39

1,2-Dichloropropane

Concen: 0.137 ppbv

RT: 4.308 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

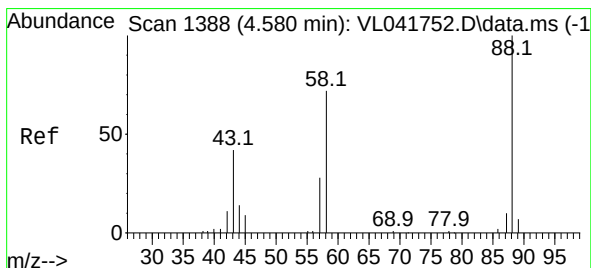
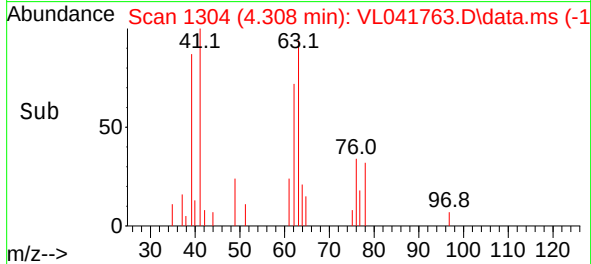
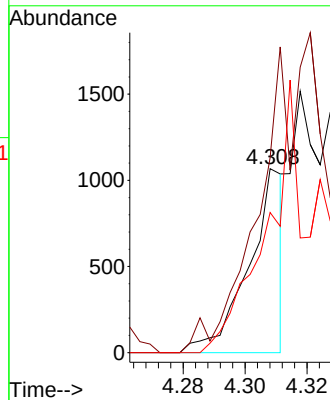
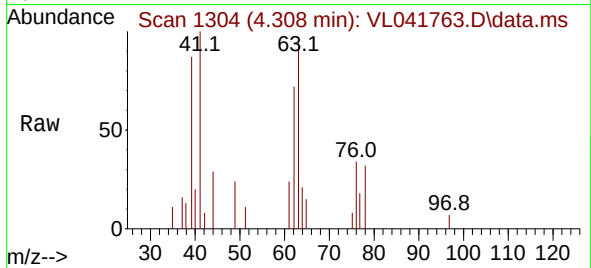
Tgt Ion: 63 Resp: 821

Ion Ratio Lower Upper

63 100

41 105.9 75.3 112.9

62 76.1 57.3 85.9



#40

1,4-Dioxane

Concen: 0.210 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.025 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Tgt Ion: 88 Resp: 614

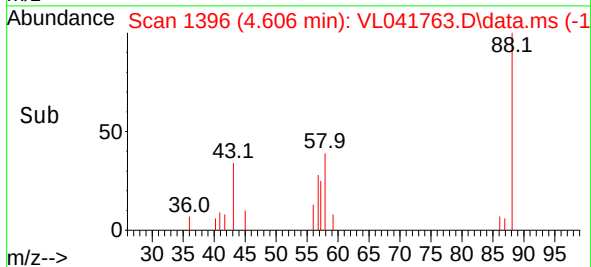
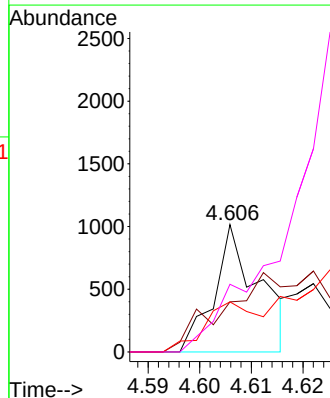
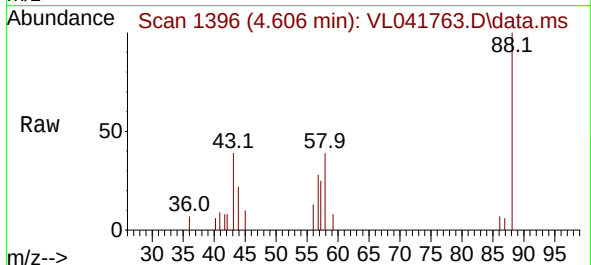
Ion Ratio Lower Upper

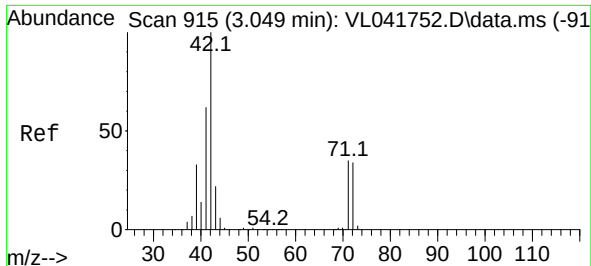
88 100

58 8.3 61.0 91.6#

43 0.0 29.4 44.0#

57 0.0 0.0 0.0

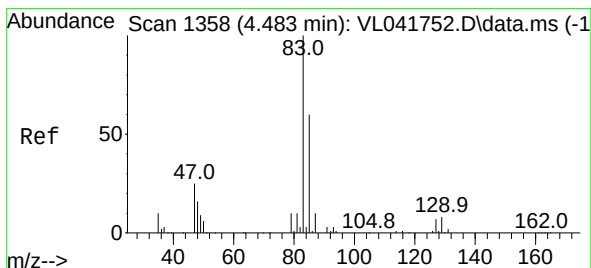
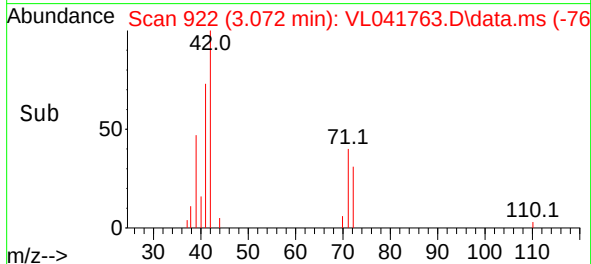
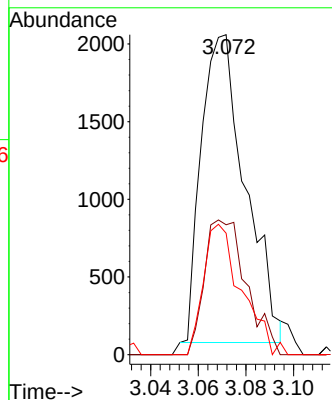
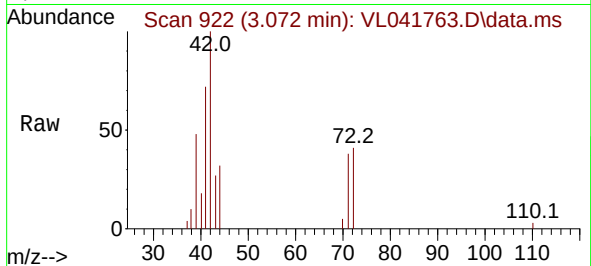




#41  
Tetrahydrofuran  
Concen: 0.353 ppbv  
RT: 3.072 min Scan# 915  
Delta R.T. 0.022 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

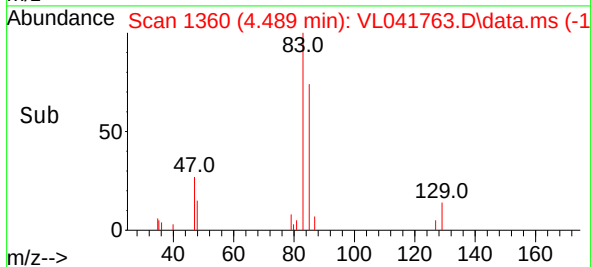
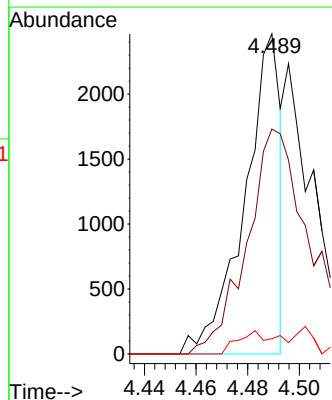
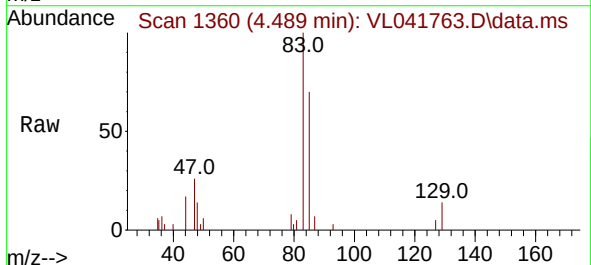
Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion: 42 Resp: 2545  
Ion Ratio Lower Upper  
42 100  
72 41.7 29.1 43.7  
71 36.5 28.4 42.6

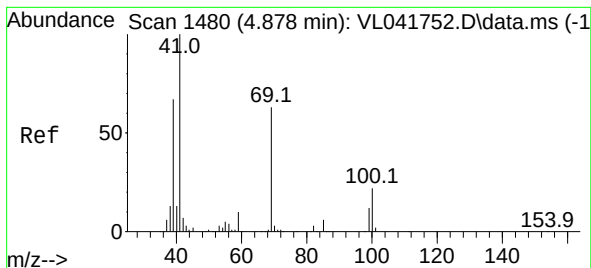


#42  
Bromodichloromethane  
Concen: 0.200 ppbv  
RT: 4.489 min Scan# 1360  
Delta R.T. 0.006 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

Tgt Ion: 83 Resp: 2370  
Ion Ratio Lower Upper  
83 100  
85 70.3 48.0 72.0  
127 4.8 5.8 8.8#







#43

Methyl Methacrylate

Concen: 0.250 ppbv

RT: 4.881 min Scan# 1481

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

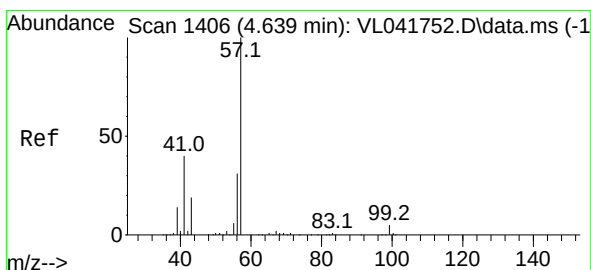
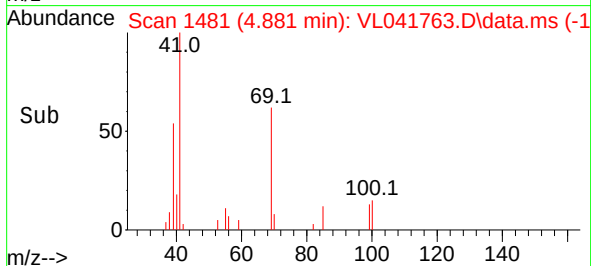
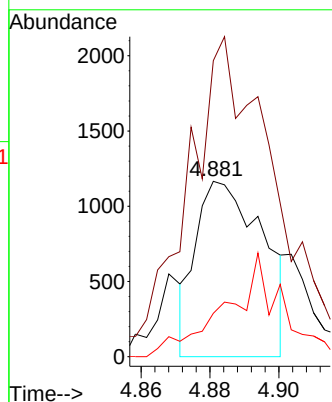
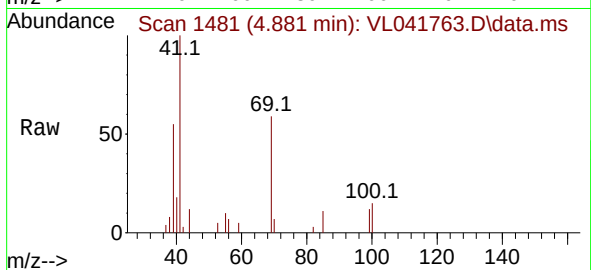
Tgt Ion: 69 Resp: 1575

Ion Ratio Lower Upper

69 100

41 242.0 130.3 195.5#

100 0.0 28.3 42.5#



#44

2,2,4-Trimethylpentane

Concen: 0.200 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

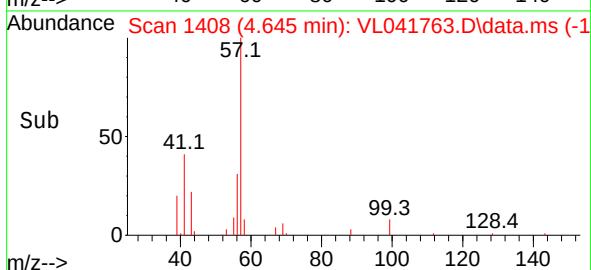
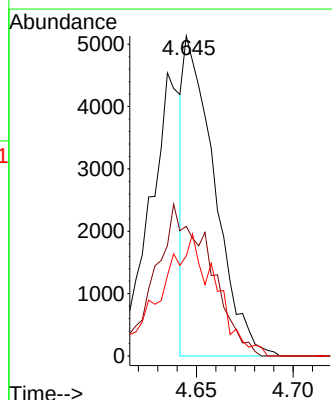
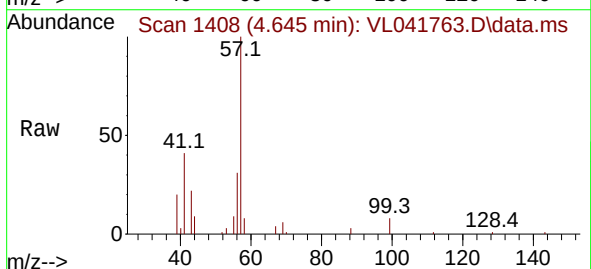
Tgt Ion: 57 Resp: 5644

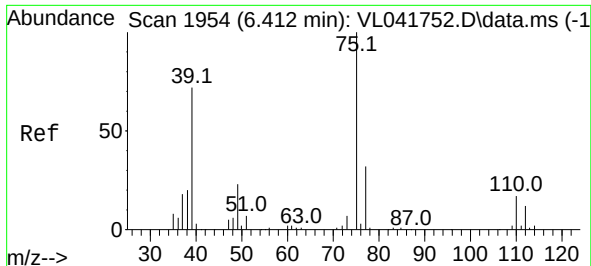
Ion Ratio Lower Upper

57 100

41 0.0 30.7 46.1#

56 69.0 25.4 38.0#





#45

t-1,3-Dichloropropene

Concen: 0.081 ppbv

RT: 6.412 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

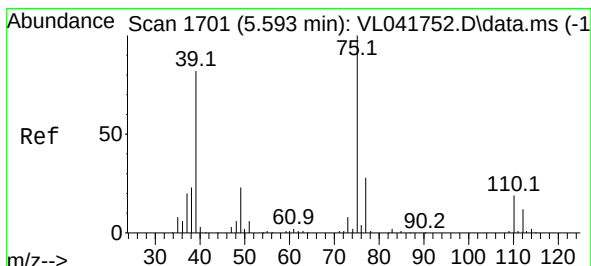
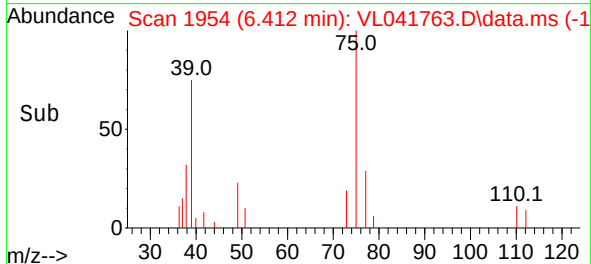
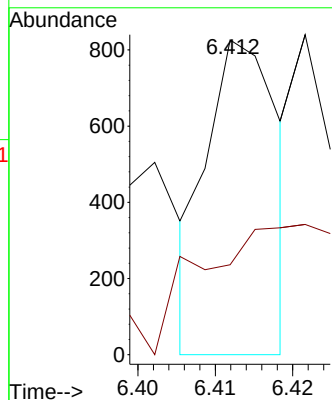
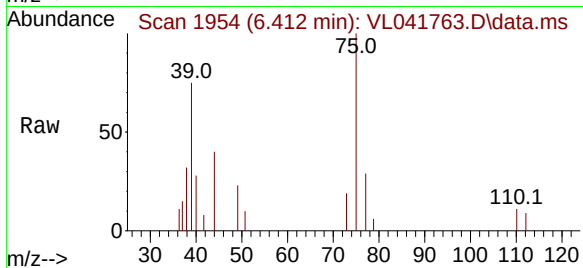
ClientSampleId :

Tgt Ion: 75 Resp: 527

Ion Ratio Lower Upper

75 100

77 28.6 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 0.028 ppbv

RT: 5.629 min Scan# 1712

Delta R.T. 0.035 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

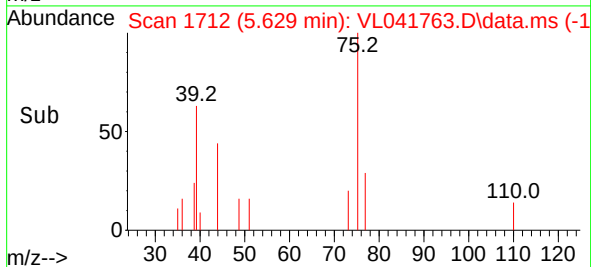
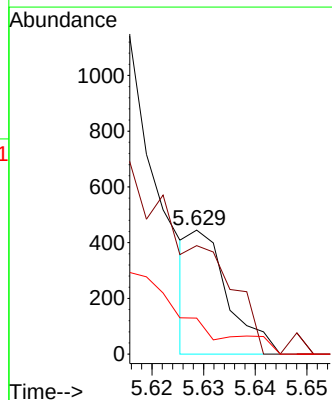
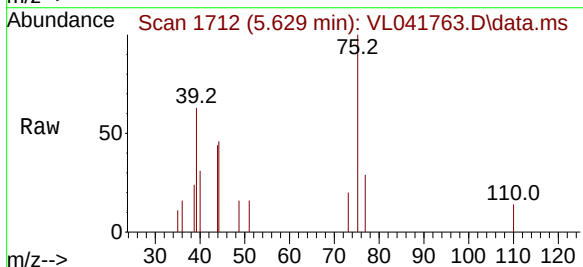
Tgt Ion: 75 Resp: 230

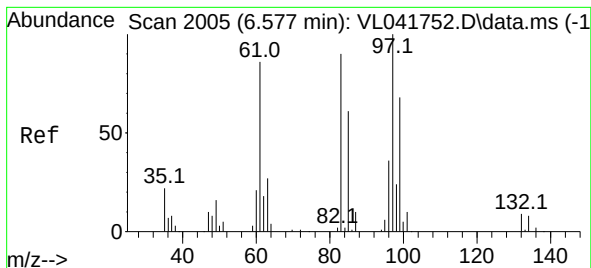
Ion Ratio Lower Upper

75 100

39 87.4 65.2 97.8

77 29.0 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 0.131 ppbv

RT: 6.583 min Scan# 20

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

Tgt Ion: 97 Resp: 821

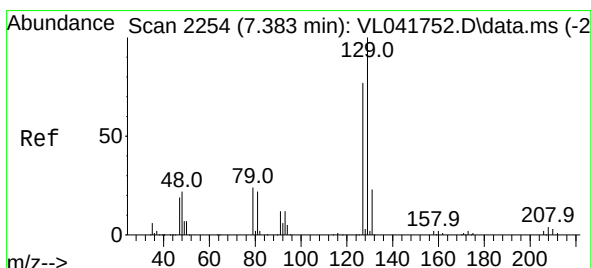
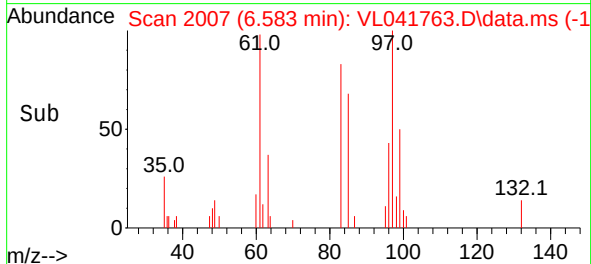
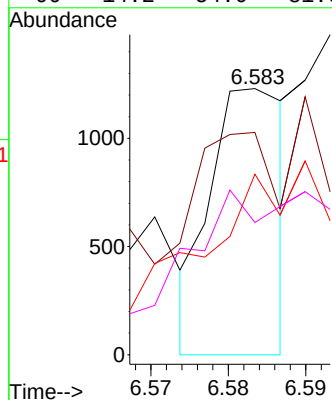
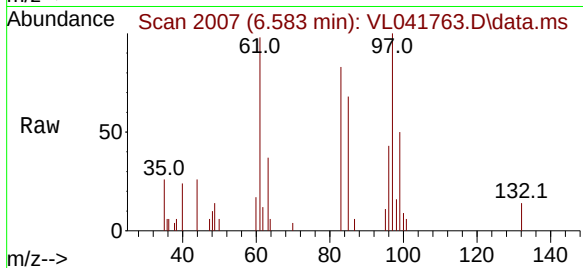
Ion Ratio Lower Upper

97 100

83 60.9 72.3 108.5#

85 43.1 48.5 72.7#

99 14.2 54.0 81.0#



#48

Dibromochloromethane

Concen: 0.309 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.009 min

Lab File: VL041763.D

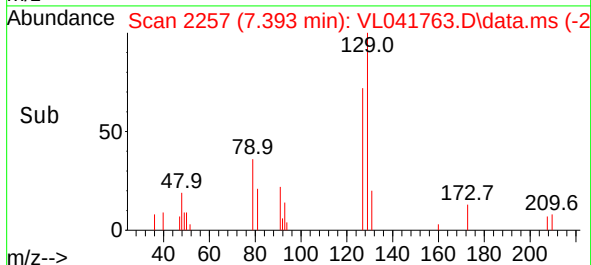
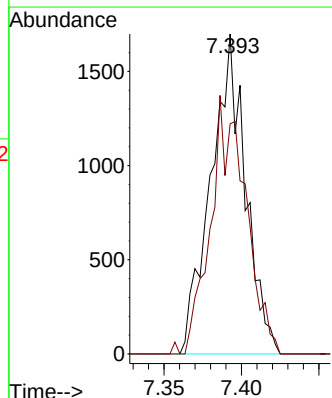
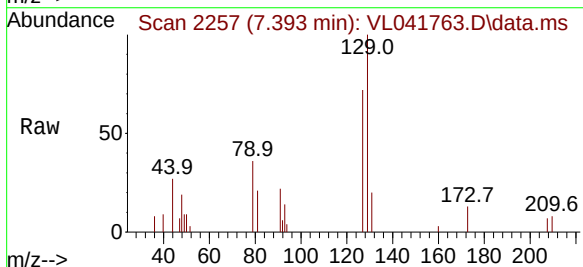
Acq: 16 Dec 2024 21:52

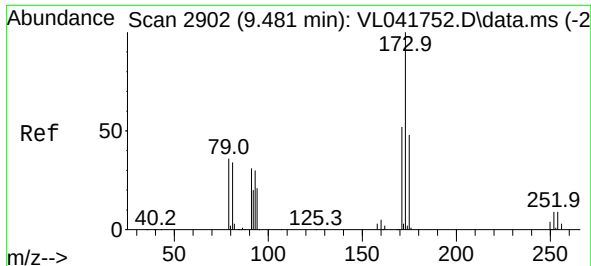
Tgt Ion: 129 Resp: 2633

Ion Ratio Lower Upper

129 100

127 82.1 38.8 116.3





#49

Bromoform

Concen: 0.285 ppbv

RT: 9.490 min Scan# 20

Delta R.T. 0.009 min

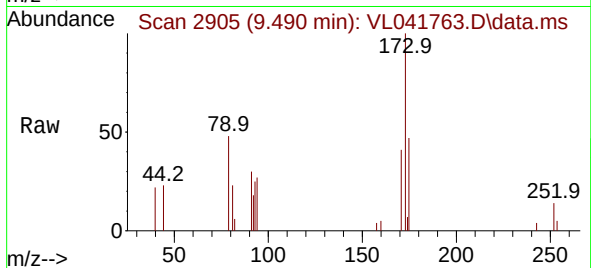
Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

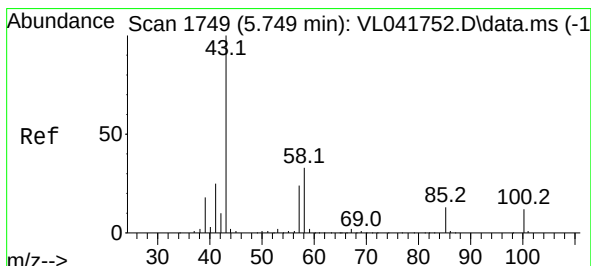
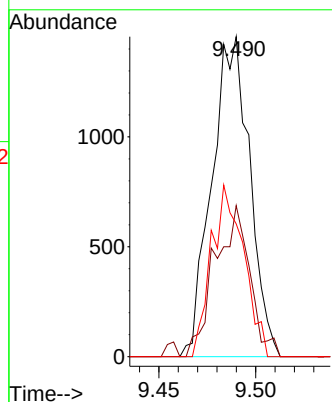
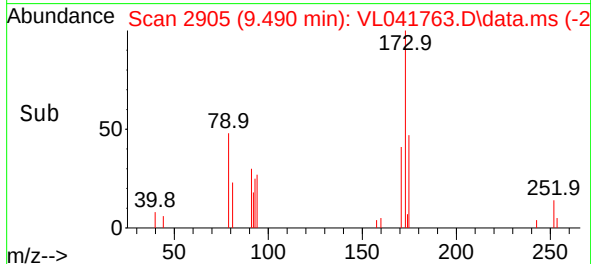
Instrument :

MSVOA\_L

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 1986  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 44.4  | 38.2  | 57.2  |
| 171      | 45.7  | 41.1  | 61.7  |



#50

4-Methyl-2-Pentanone

Concen: 0.223 ppbv

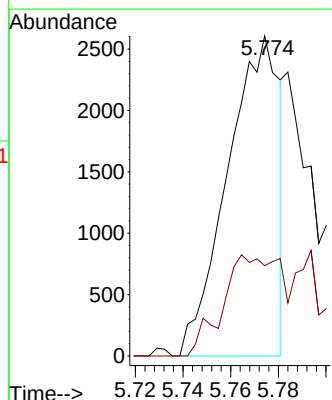
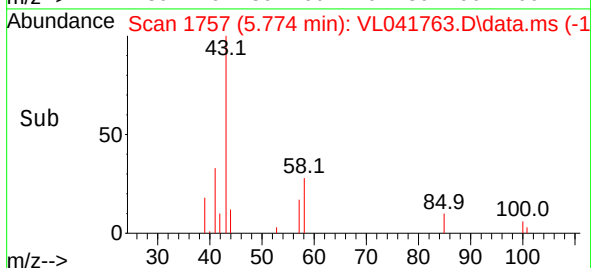
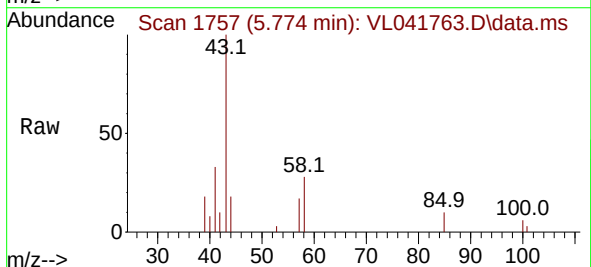
RT: 5.774 min Scan# 1757

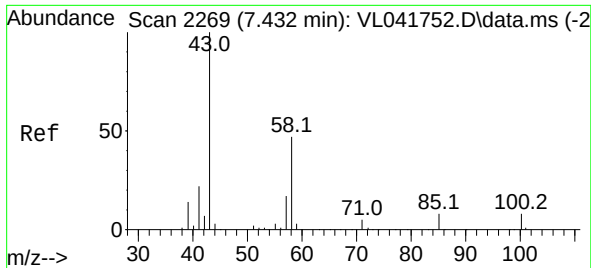
Delta R.T. 0.025 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3908  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 0.0   | 26.8  | 40.2# |

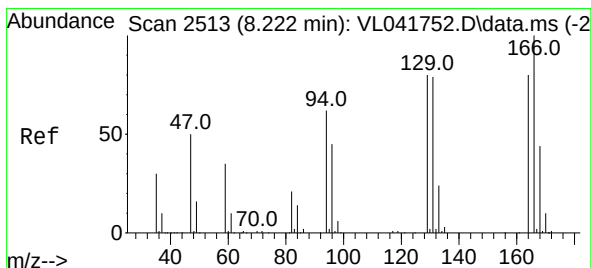
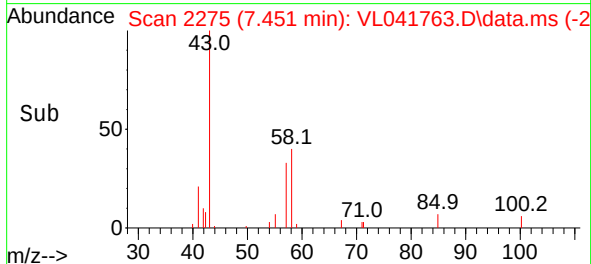
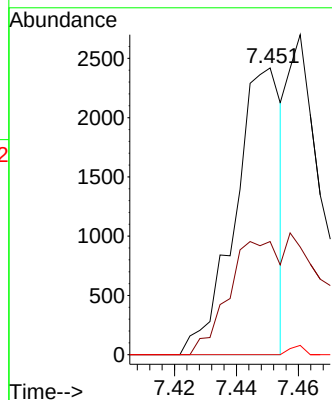
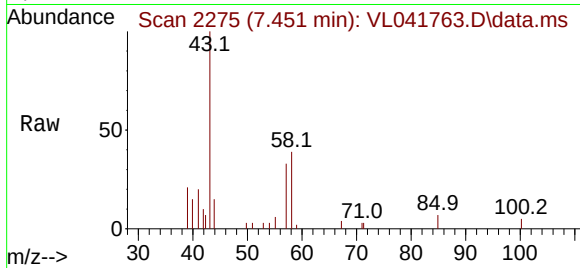




#51  
2-Hexanone  
Concen: 0.177 ppbv  
RT: 7.451 min Scan# 21  
Delta R.T. 0.019 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

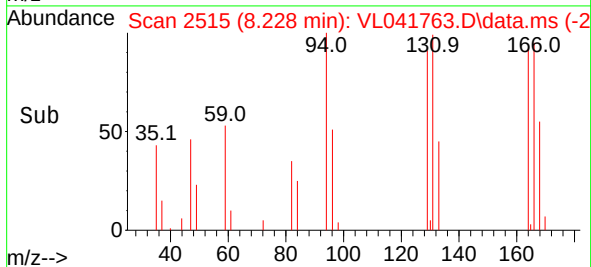
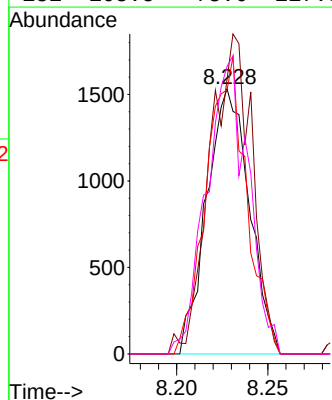
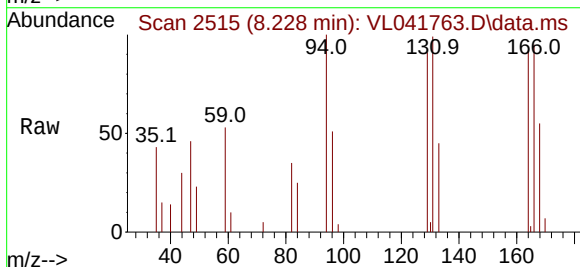
Instrument :  
MSVOA\_L  
ClientSampleId :

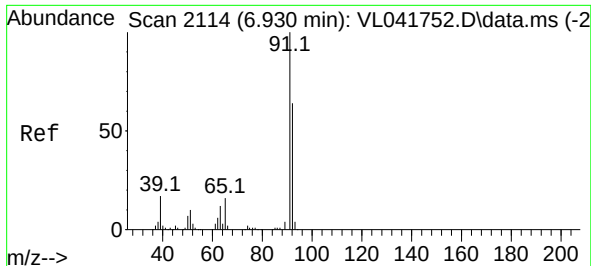
Tgt Ion: 43 Resp: 2507  
Ion Ratio Lower Upper  
43 100  
58 0.0 36.6 55.0#  
98 0.0 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 0.406 ppbv  
RT: 8.228 min Scan# 2515  
Delta R.T. 0.006 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

Tgt Ion: 164 Resp: 2497  
Ion Ratio Lower Upper  
164 100  
166 103.7 99.8 149.6  
129 99.6 79.6 119.4  
131 108.5 78.6 117.8





#53

Toluene

Concen: 0.307 ppbv

RT: 6.936 min Scan# 2114

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

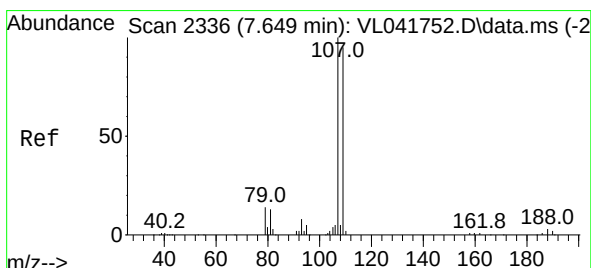
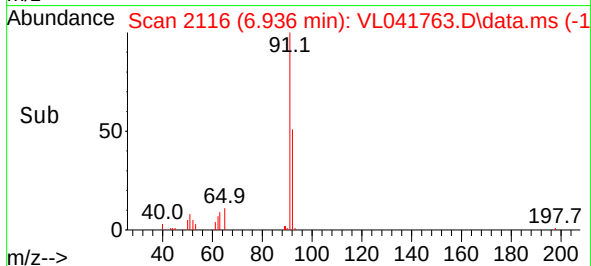
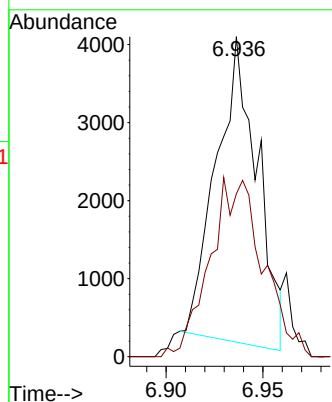
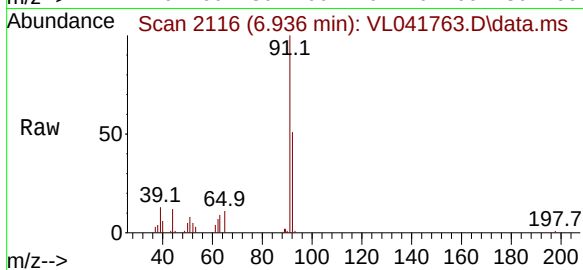
ClientSampleId :

Tgt Ion: 91 Resp: 5760

Ion Ratio Lower Upper

91 100

92 75.5 47.9 71.9#



#54

1,2-Dibromoethane

Concen: 0.223 ppbv

RT: 7.655 min Scan# 2338

Delta R.T. 0.006 min

Lab File: VL041763.D

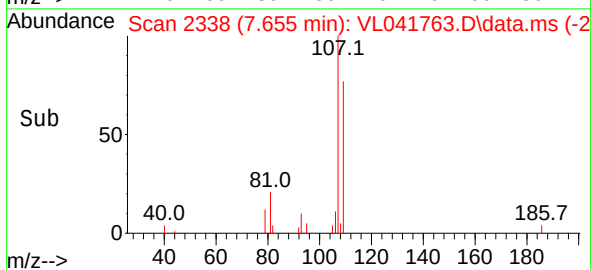
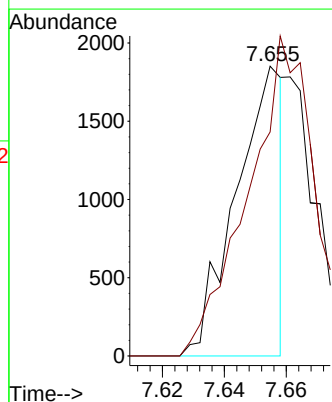
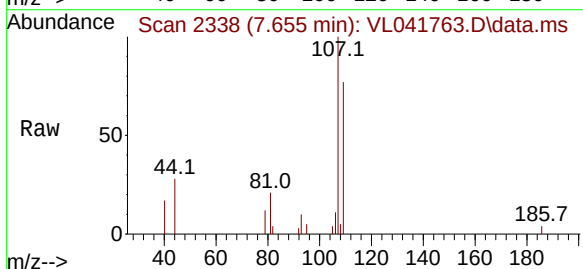
Acq: 16 Dec 2024 21:52

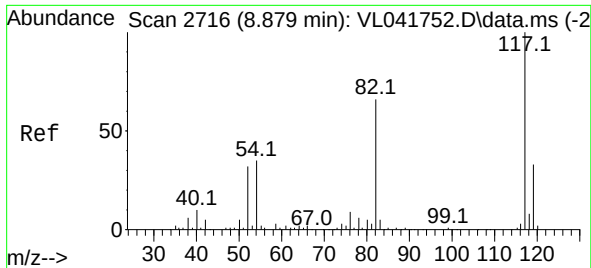
Tgt Ion: 107 Resp: 1919

Ion Ratio Lower Upper

107 100

109 77.3 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2716

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

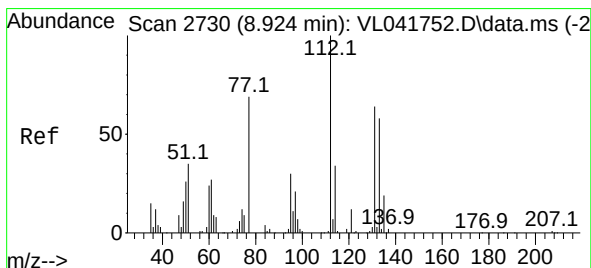
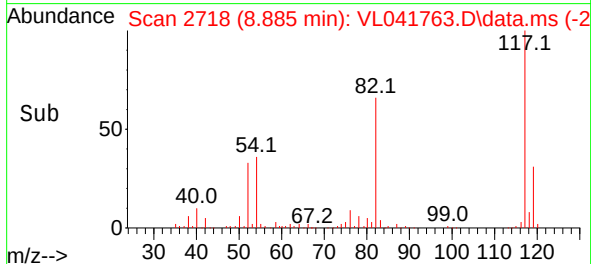
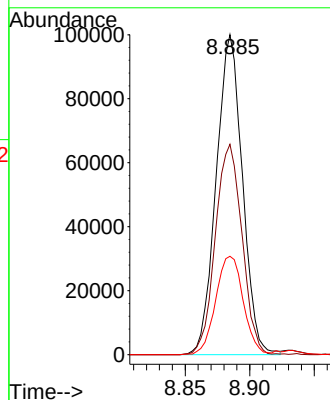
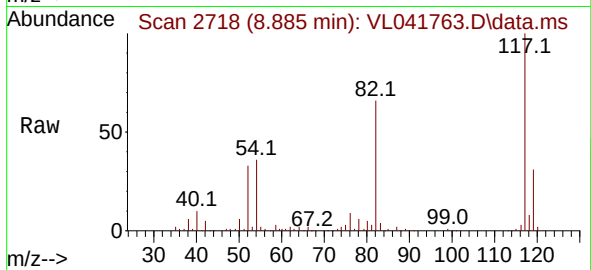
Tgt Ion:117 Resp: 141129

Ion Ratio Lower Upper

117 100

82 67.1 53.8 80.8

119 33.6 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 0.418 ppbv

RT: 8.924 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

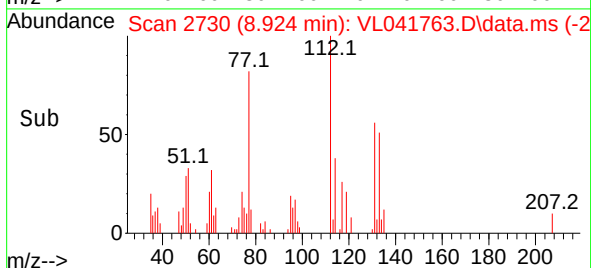
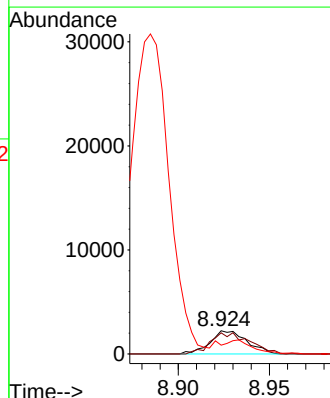
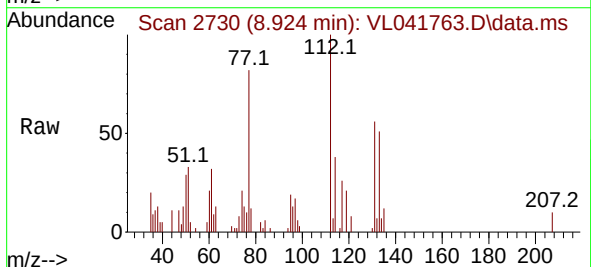
Tgt Ion:131 Resp: 3128

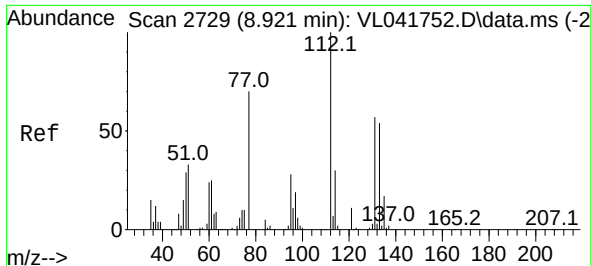
Ion Ratio Lower Upper

131 100

133 98.3 76.8 115.2

119 1514.9 49.0 73.6#

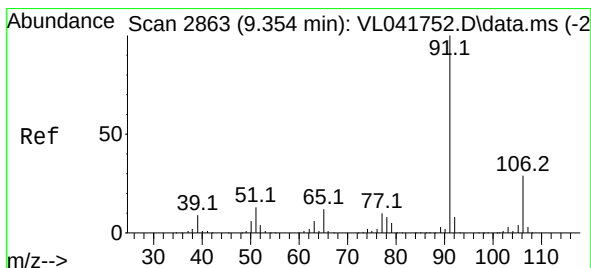
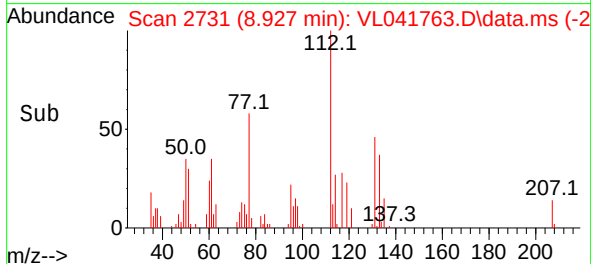
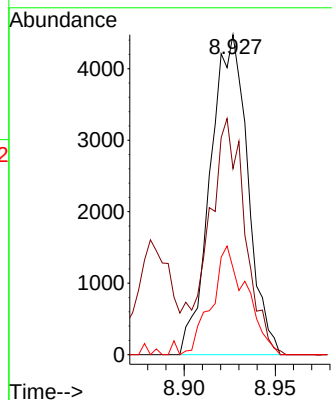
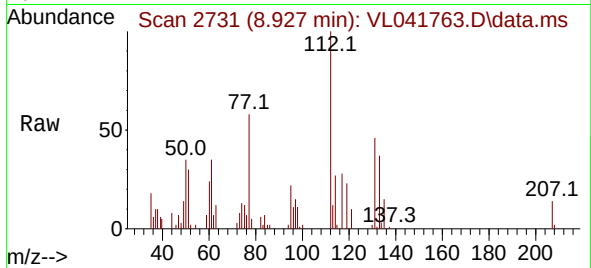




#57  
Chlorobenzene  
Concen: 0.442 ppbv  
RT: 8.927 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

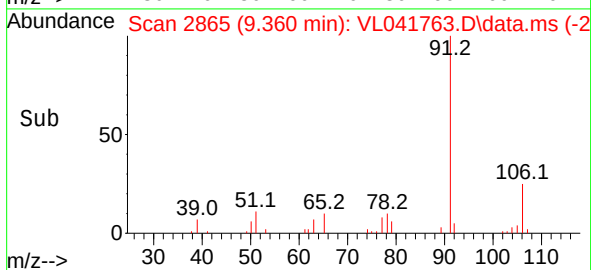
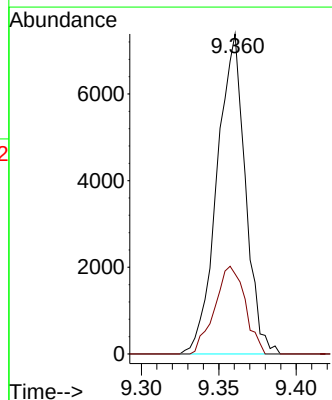
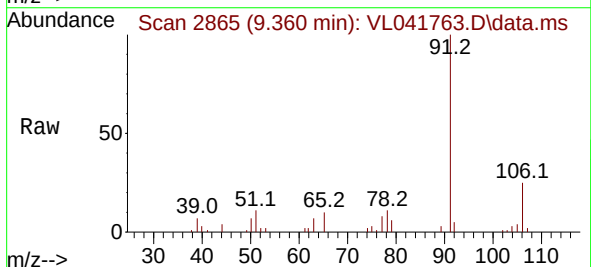
Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion:112 Resp: 6380  
Ion Ratio Lower Upper  
112 100  
77 56.9 57.4 86.0#  
114 29.1 27.4 33.4

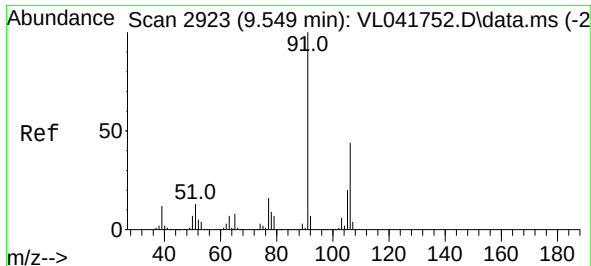


#58  
Ethyl Benzene  
Concen: 0.370 ppbv  
RT: 9.360 min Scan# 2865  
Delta R.T. 0.006 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

Tgt Ion: 91 Resp: 9390  
Ion Ratio Lower Upper  
91 100  
106 25.0 23.5 35.3



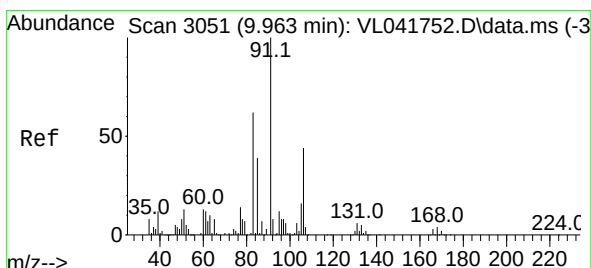
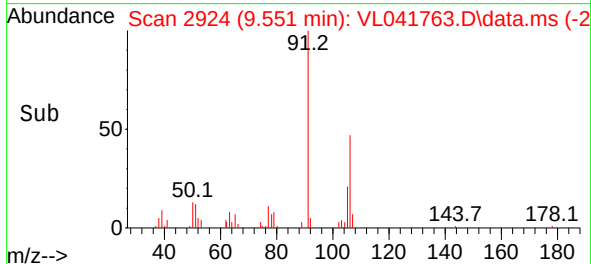
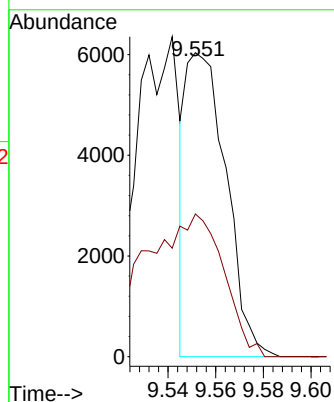
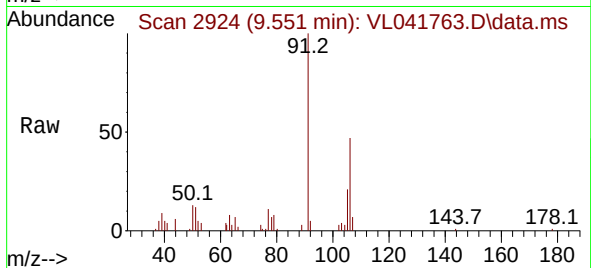




#59  
m/p-Xylene  
Concen: 0.346 ppbv  
RT: 9.551 min Scan# 2923  
Delta R.T. 0.003 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

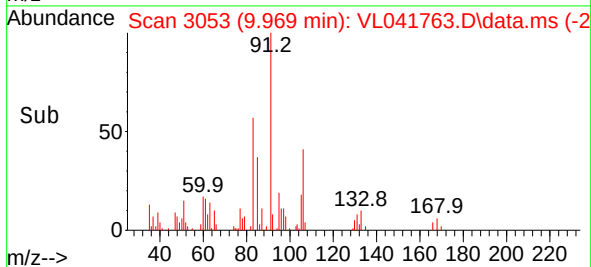
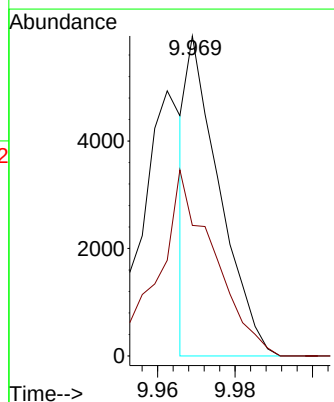
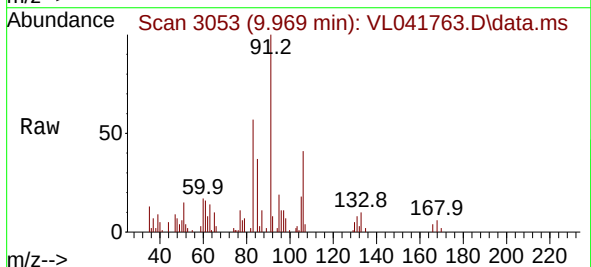
Instrument :  
MSVOA\_L  
ClientSampleId :

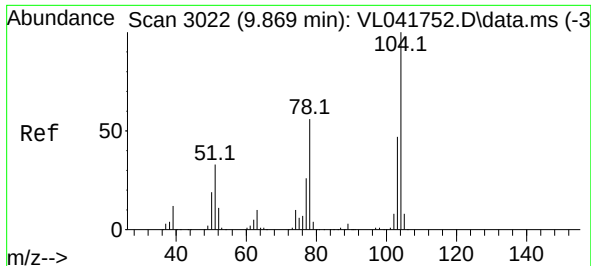
Tgt Ion: 91 Resp: 7065  
Ion Ratio Lower Upper  
91 100  
106 91.6 0.0 0.0#



#60  
o-Xylene  
Concen: 0.169 ppbv  
RT: 9.969 min Scan# 3053  
Delta R.T. 0.006 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

Tgt Ion: 91 Resp: 3469  
Ion Ratio Lower Upper  
91 100  
106 101.9 21.1 63.4#





#61

Styrene

Concen: 0.295 ppbv

RT: 9.875 min Scan# 3022

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

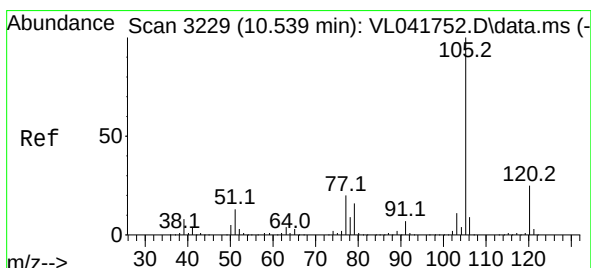
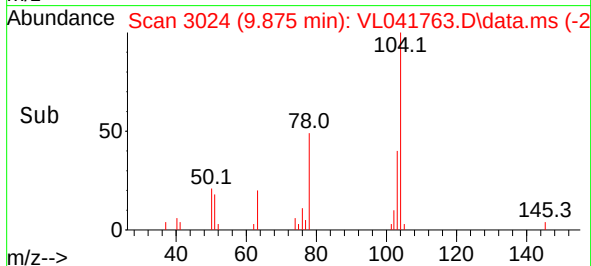
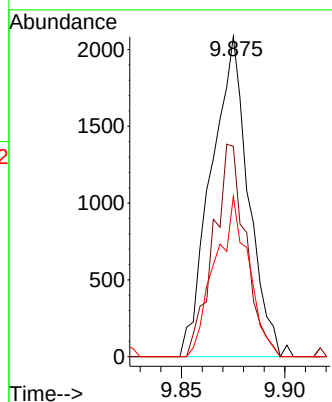
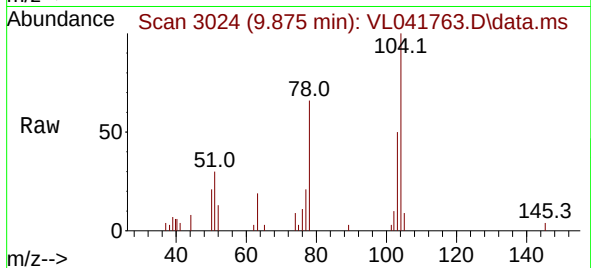
Tgt Ion:104 Resp: 2611

Ion Ratio Lower Upper

104 100

78 57.8 43.8 65.6

103 45.2 37.8 56.6



#62

Isopropylbenzene

Concen: 0.376 ppbv

RT: 10.542 min Scan# 3230

Delta R.T. 0.003 min

Lab File: VL041763.D

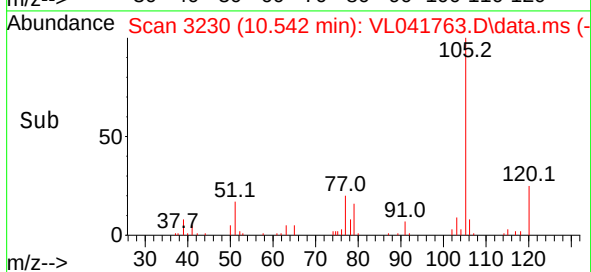
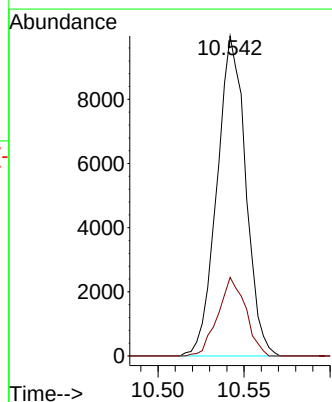
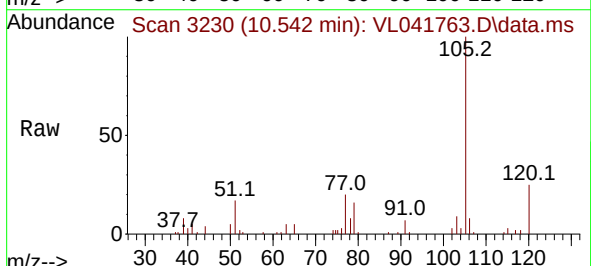
Acq: 16 Dec 2024 21:52

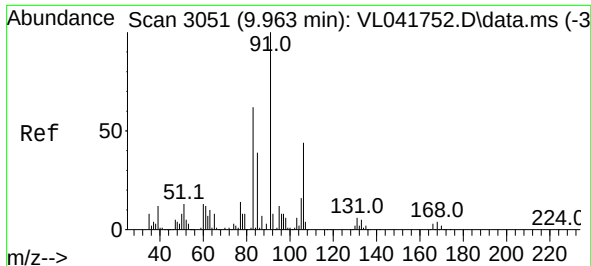
Tgt Ion:105 Resp: 11584

Ion Ratio Lower Upper

105 100

120 23.7 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.404 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL041763.D

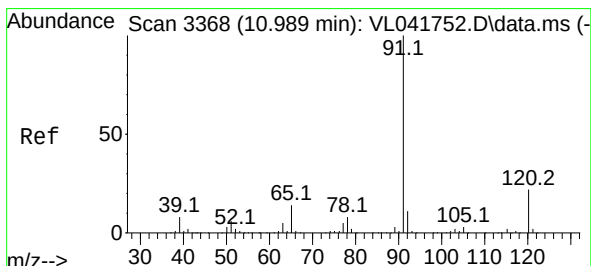
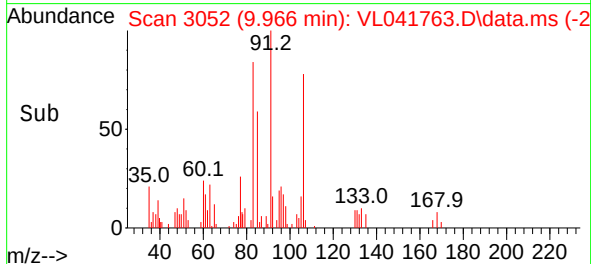
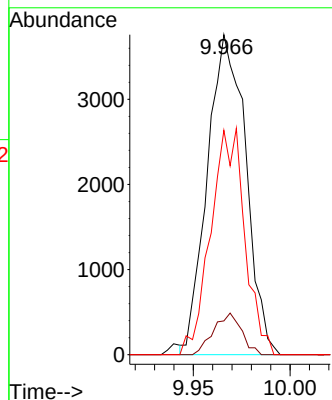
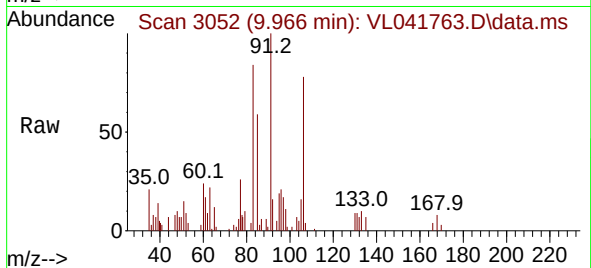
Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 5185     |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 131         | 9.4 4.9 14.7   |
| 85          | 62.6 32.0 96.2 |



#64

n-propylbenzene

Concen: 0.336 ppbv

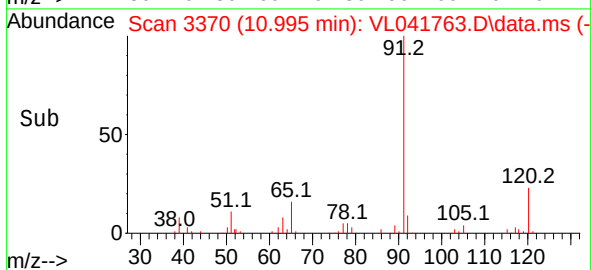
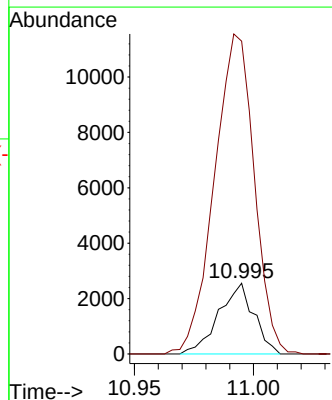
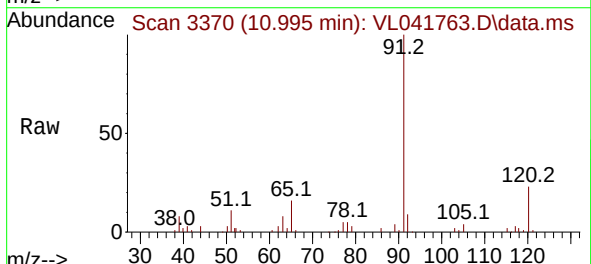
RT: 10.995 min Scan# 3370

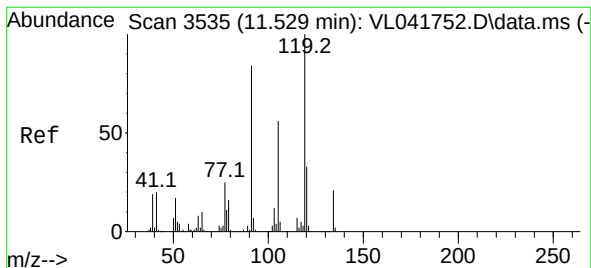
Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

|              |                   |
|--------------|-------------------|
| Tgt Ion: 120 | Resp: 2616        |
| Ion Ratio    | Lower Upper       |
| 120          | 100               |
| 91           | 513.1 387.3 580.9 |





#65

tert-Butylbenzene

Concen: 0.375 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

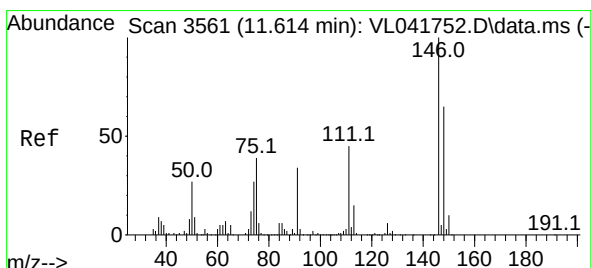
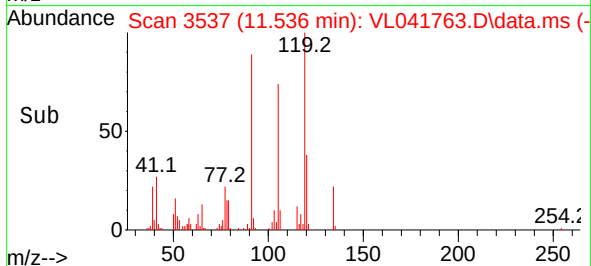
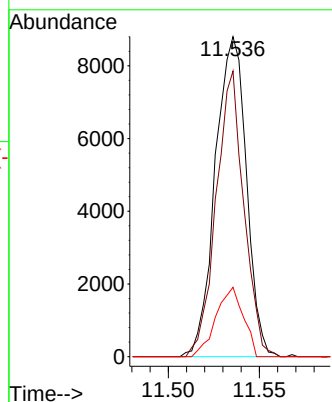
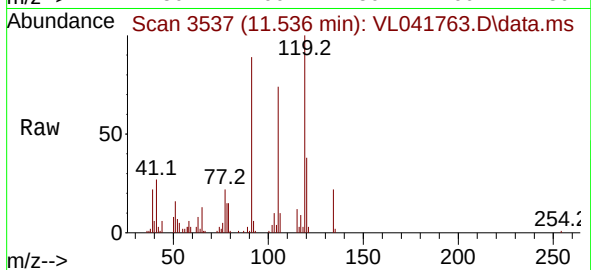
Tgt Ion:119 Resp: 10422

Ion Ratio Lower Upper

119 100

91 79.6 67.0 100.4

134 19.1 16.5 24.7



#66

Benzyl Chloride

Concen: 0.311 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

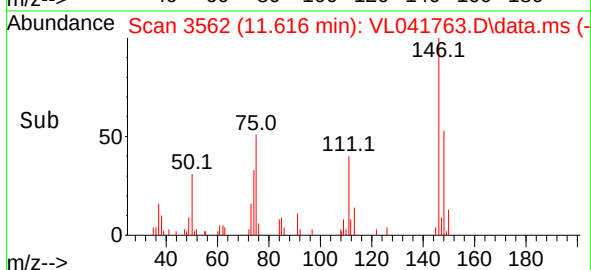
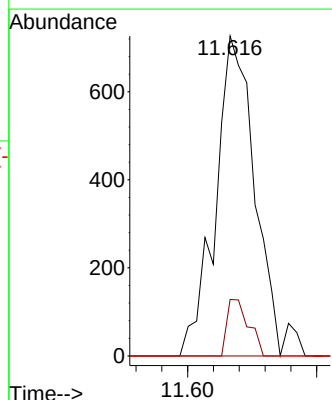
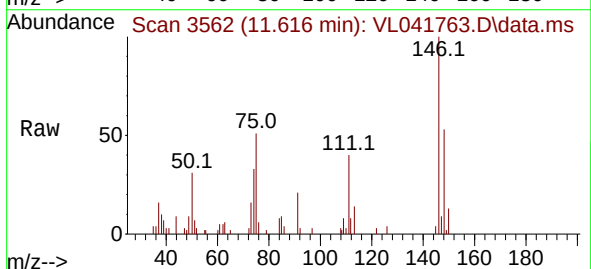
Tgt Ion: 91 Resp: 760

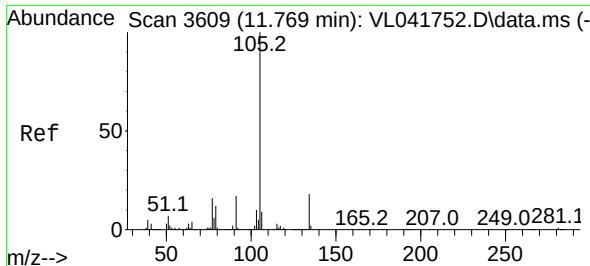
Ion Ratio Lower Upper

91 100

126 9.9 13.9 20.9#

128 0.0 4.4 6.6#

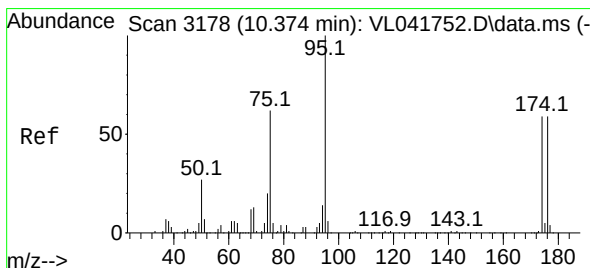
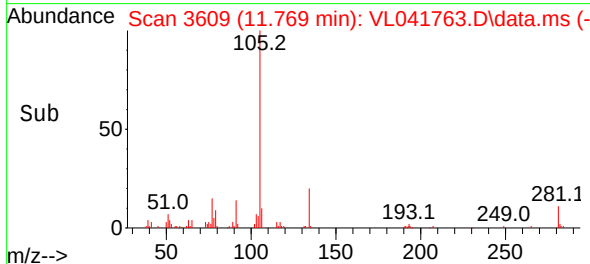
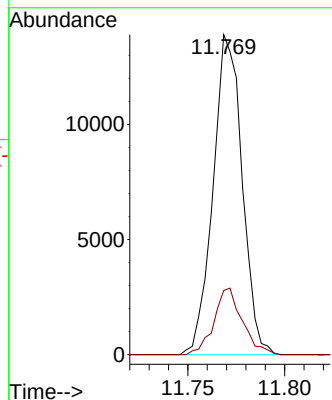
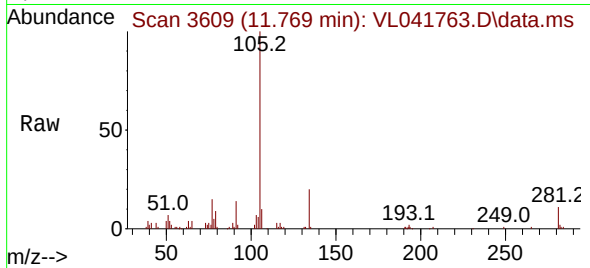




#67  
 sec-Butylbenzene  
 Concen: 0.377 ppbv  
 RT: 11.769 min Scan# 3609  
 Delta R.T. -0.000 min  
 Lab File: VL041763.D  
 Acq: 16 Dec 2024 21:52

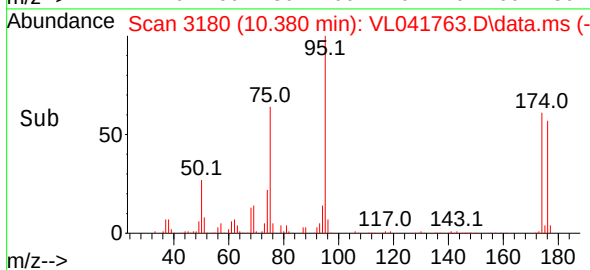
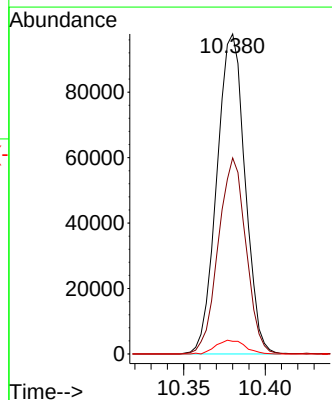
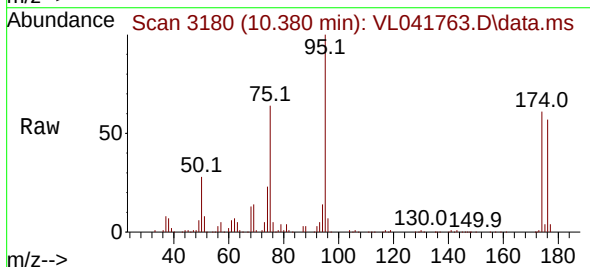
Instrument :  
 MSVOA\_L  
 ClientSampleId :

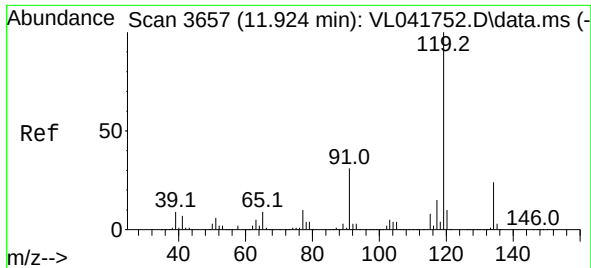
Tgt Ion:105 Resp: 14503  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 14.5 21.7



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.978 ppbv  
 RT: 10.380 min Scan# 3180  
 Delta R.T. 0.006 min  
 Lab File: VL041763.D  
 Acq: 16 Dec 2024 21:52

Tgt Ion: 95 Resp: 117349  
 Ion Ratio Lower Upper  
 95 100  
 174 60.3 47.6 71.4  
 175 4.4 3.7 5.5

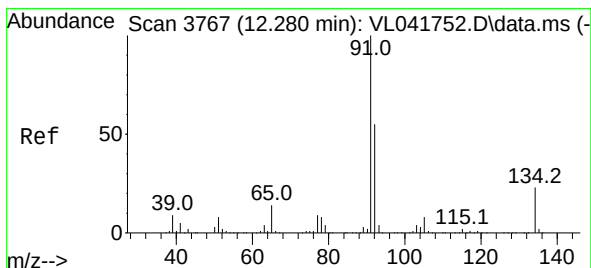
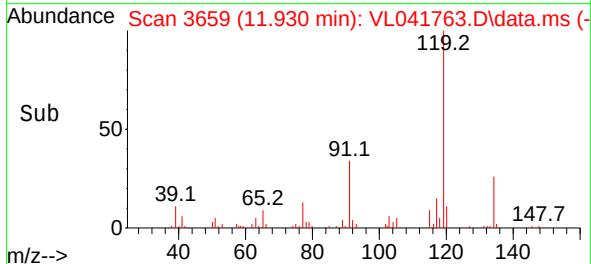
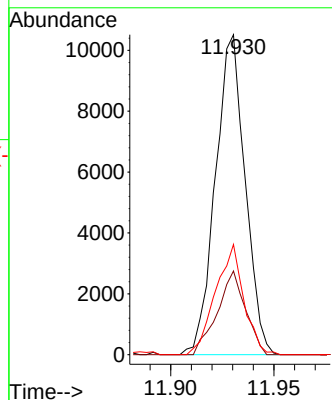
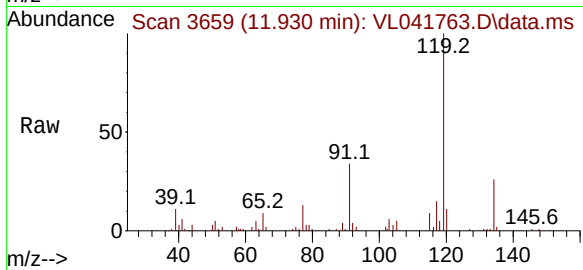




#69  
 p-Isopropyltoluene  
 Concen: 0.332 ppbv  
 RT: 11.930 min Scan# 3659  
 Delta R.T. 0.006 min  
 Lab File: VL041763.D  
 Acq: 16 Dec 2024 21:52

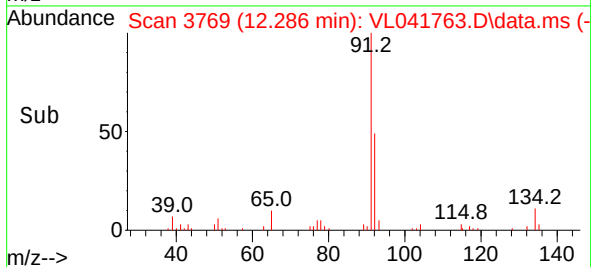
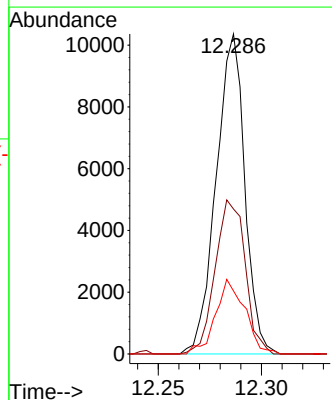
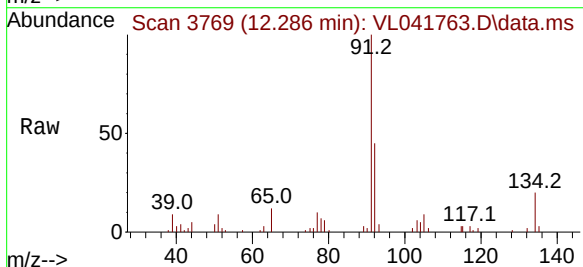
Instrument :  
 MSVOA\_L  
 ClientSampleId :

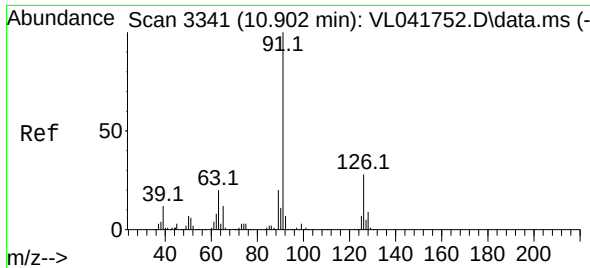
Tgt Ion: 119 Resp: 10524  
 Ion Ratio Lower Upper  
 119 100  
 134 24.9 19.6 29.4  
 91 33.5 24.4 36.6



#70  
 n-Butylbenzene  
 Concen: 0.327 ppbv  
 RT: 12.286 min Scan# 3769  
 Delta R.T. 0.006 min  
 Lab File: VL041763.D  
 Acq: 16 Dec 2024 21:52

Tgt Ion: 91 Resp: 9991  
 Ion Ratio Lower Upper  
 91 100  
 92 50.8 43.2 64.8  
 134 23.9 18.2 27.4

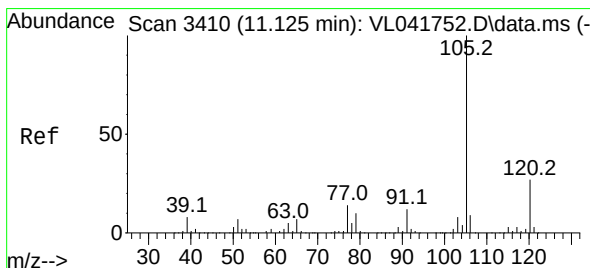
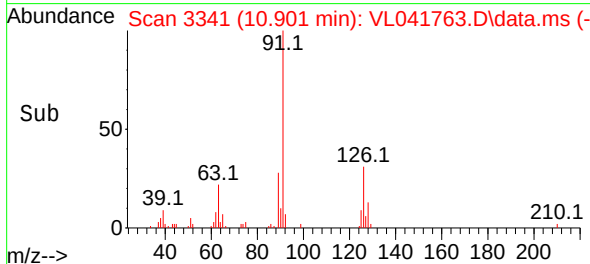
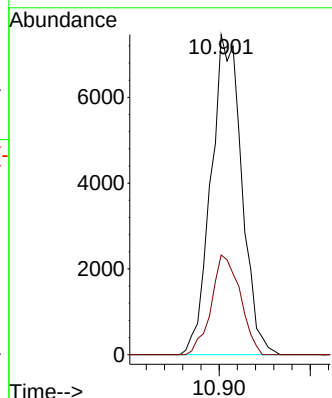
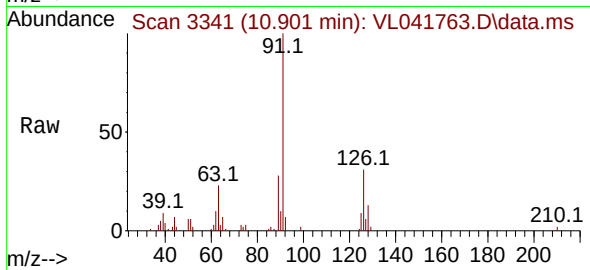




#71  
2-Chlorotoluene  
Concen: 0.372 ppbv  
RT: 10.901 min Scan# 3411  
Delta R.T. -0.000 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

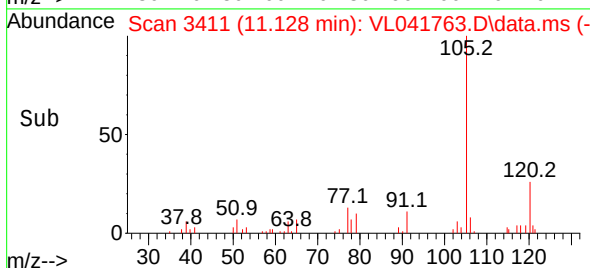
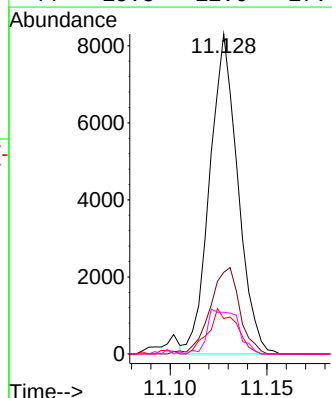
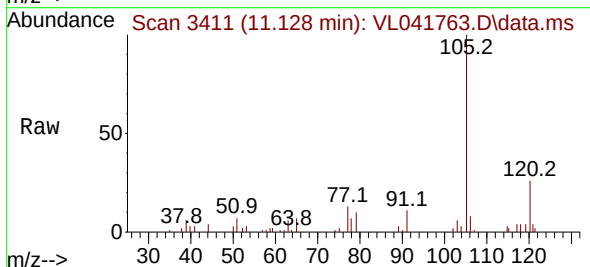
Instrument :  
MSVOA\_L  
ClientSampleId :

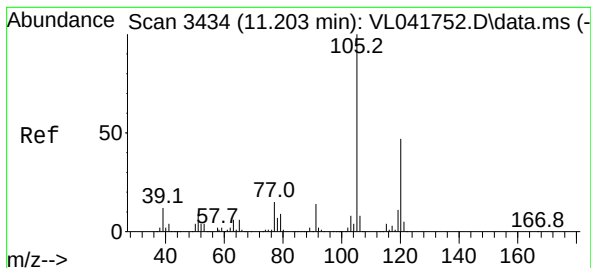
Tgt Ion: 91 Resp: 8740  
Ion Ratio Lower Upper  
91 100  
126 29.3 11.6 46.4



#72  
4-Ethyltoluene  
Concen: 0.347 ppbv  
RT: 11.128 min Scan# 3411  
Delta R.T. 0.003 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

Tgt Ion:105 Resp: 8385  
Ion Ratio Lower Upper  
105 100  
120 28.4 23.3 34.9  
91 14.8 10.9 16.3  
77 15.8 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.342 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

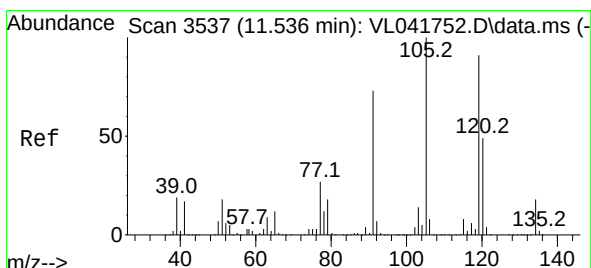
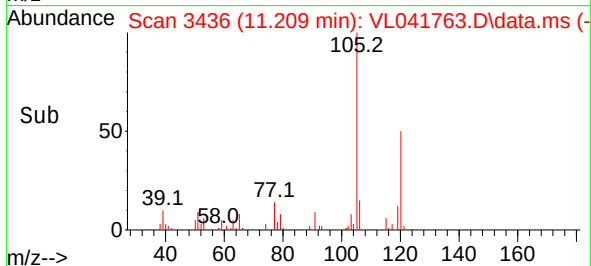
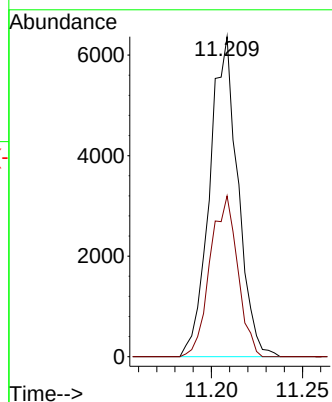
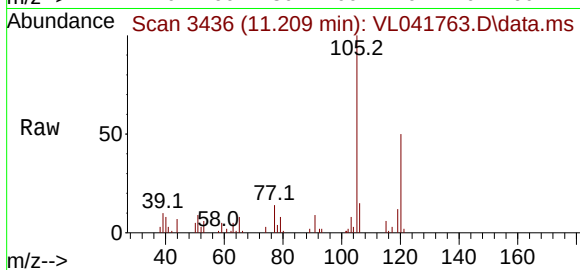
ClientSampleId :

Tgt Ion:105 Resp: 6863

Ion Ratio Lower Upper

105 100

120 50.3 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.348 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Tgt Ion:105 Resp: 7498

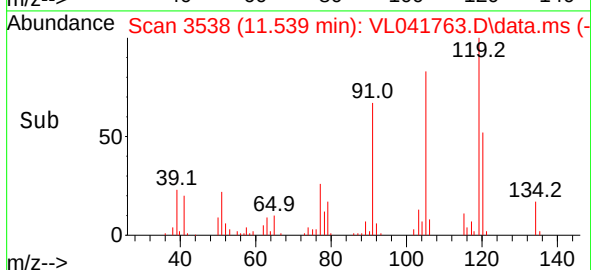
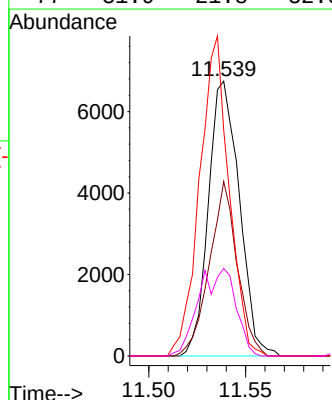
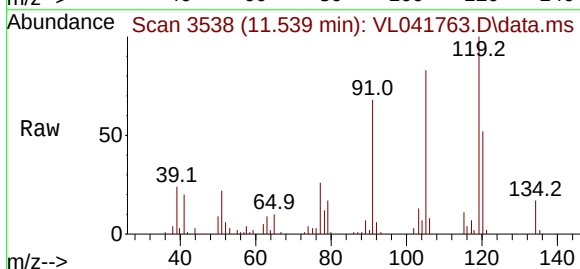
Ion Ratio Lower Upper

105 100

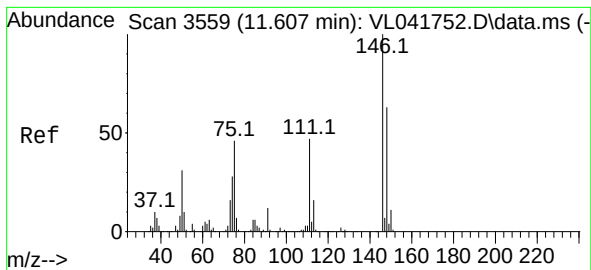
120 63.4 39.0 58.4#

91 82.2 58.1 87.1

77 31.9 21.8 32.8







#75

1,3-Dichlorobenzene

Concen: 0.434 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

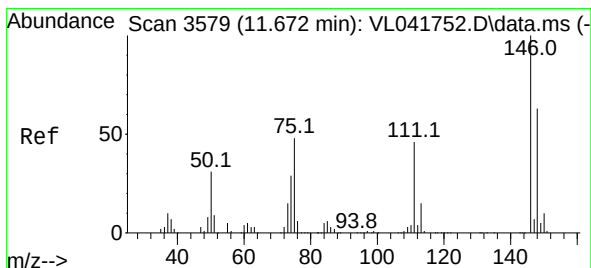
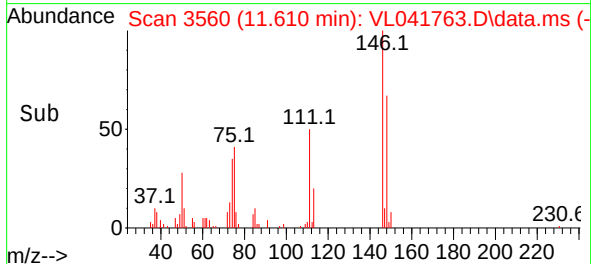
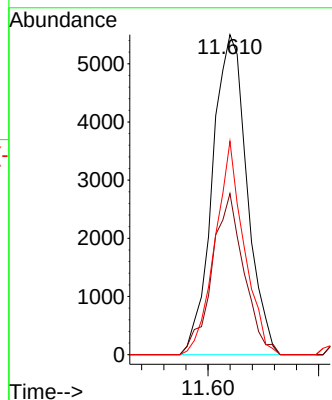
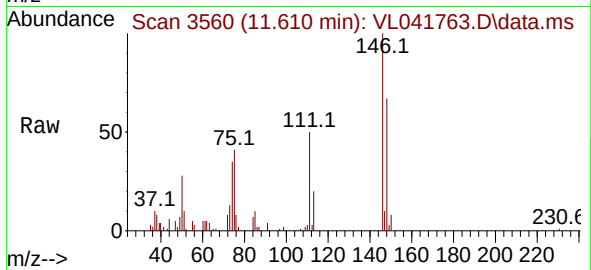
Tgt Ion:146 Resp: 5973

Ion Ratio Lower Upper

146 100

111 46.6 23.4 70.3

148 55.9 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.425 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

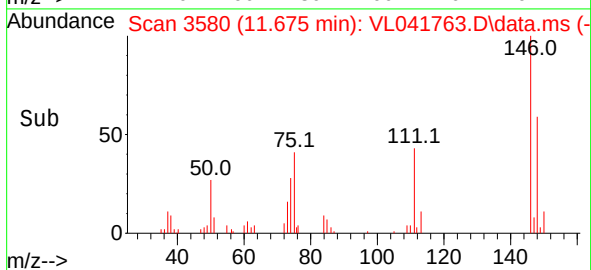
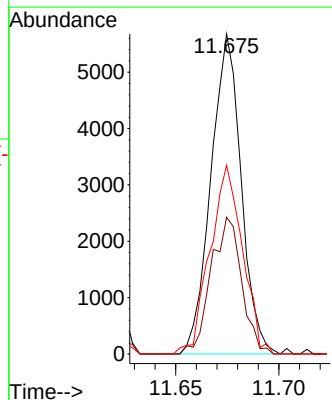
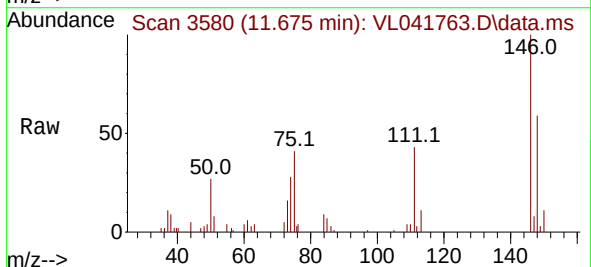
Tgt Ion:146 Resp: 5780

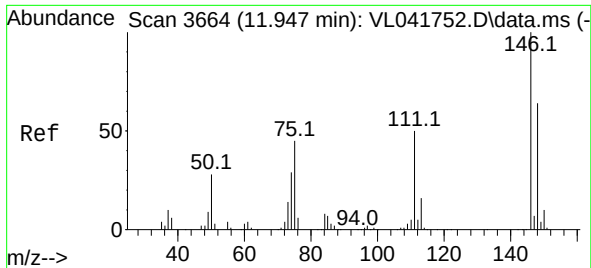
Ion Ratio Lower Upper

146 100

111 43.3 22.7 68.1

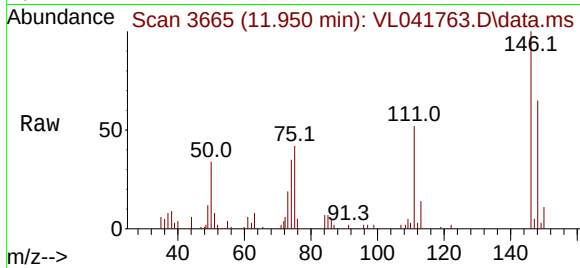
148 63.4 31.4 94.0



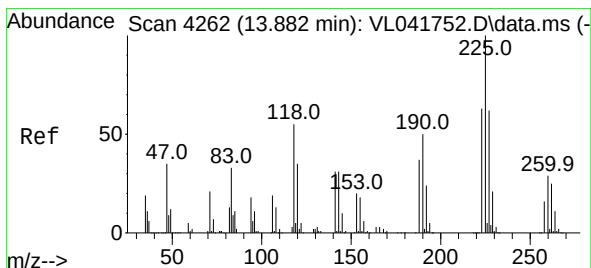
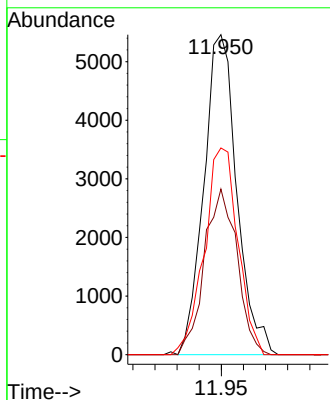
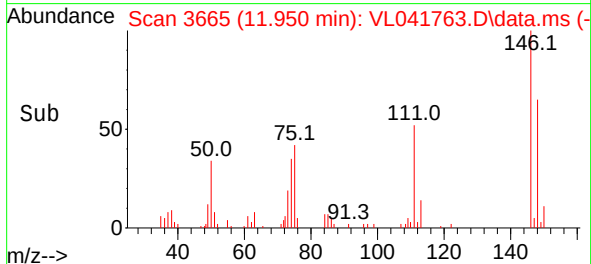


#77  
1,2-Dichlorobenzene  
Concen: 0.428 ppbv  
RT: 11.950 min Scan# 3665  
Delta R.T. 0.003 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52

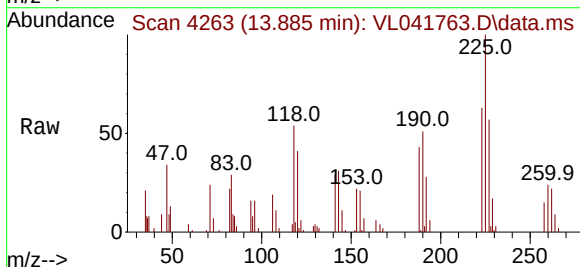
Instrument :  
MSVOA\_L  
ClientSampleId :



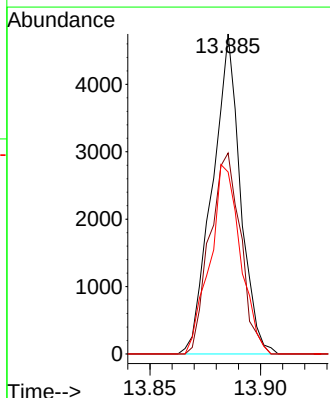
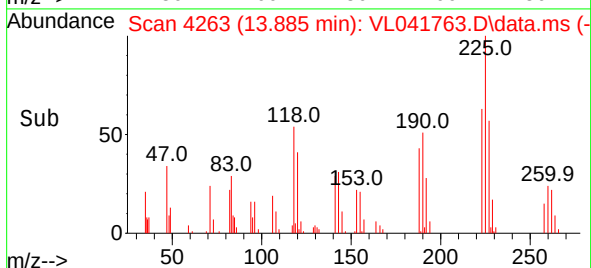
Tgt Ion:146 Resp: 5668  
Ion Ratio Lower Upper  
146 100  
111 51.3 24.8 74.3  
148 65.8 31.8 95.4

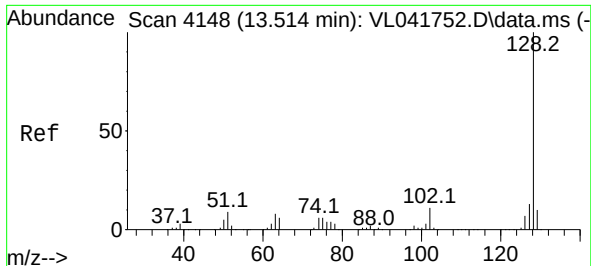


#78  
Hexachloro-1,3-Butadiene  
Concen: 0.427 ppbv  
RT: 13.885 min Scan# 4263  
Delta R.T. 0.003 min  
Lab File: VL041763.D  
Acq: 16 Dec 2024 21:52



Tgt Ion:225 Resp: 4193  
Ion Ratio Lower Upper  
225 100  
223 69.1 50.5 75.7  
227 64.3 50.3 75.5





#79

Naphthalene

Concen: 0.260 ppbv

RT: 13.516 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :

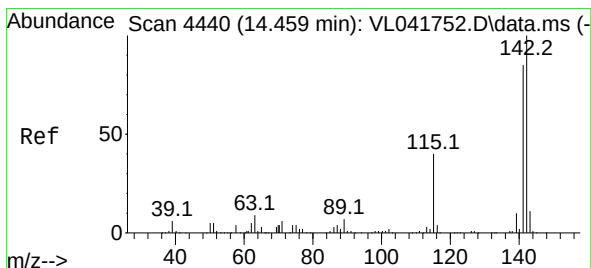
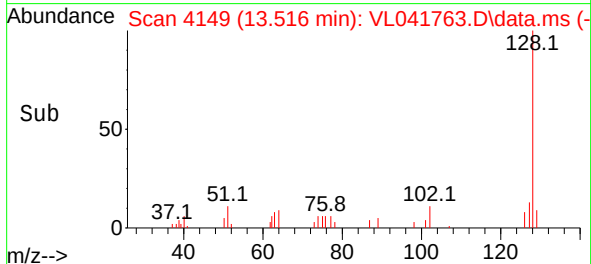
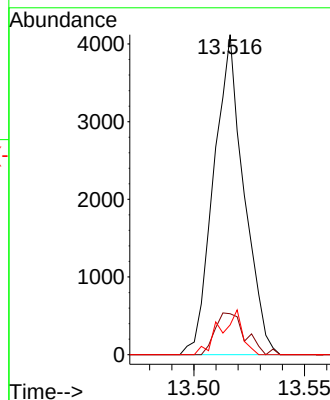
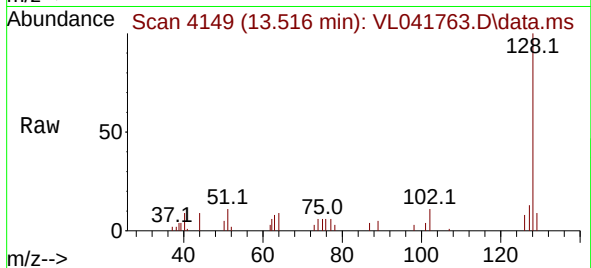
Tgt Ion:128 Resp: 3904

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

129 9.3 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 0.087 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.006 min

Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

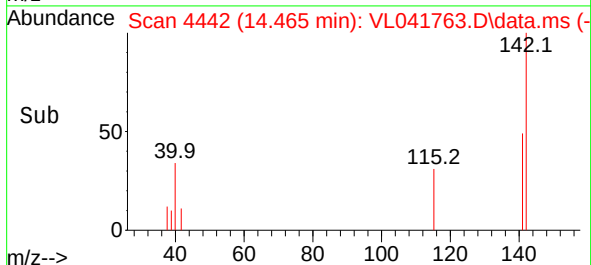
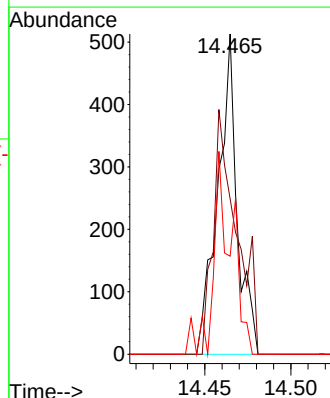
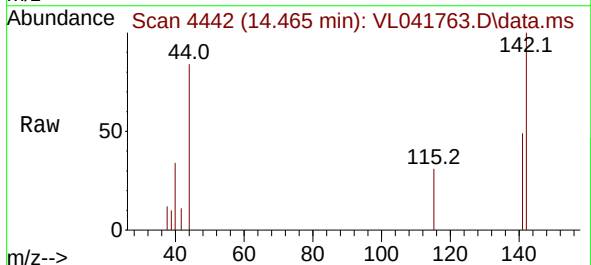
Tgt Ion:142 Resp: 403

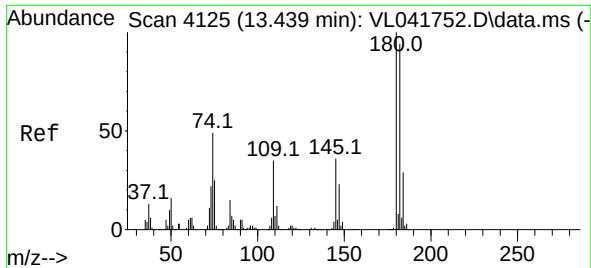
Ion Ratio Lower Upper

142 100

141 91.8 68.4 102.6

115 59.8 32.5 48.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.331 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

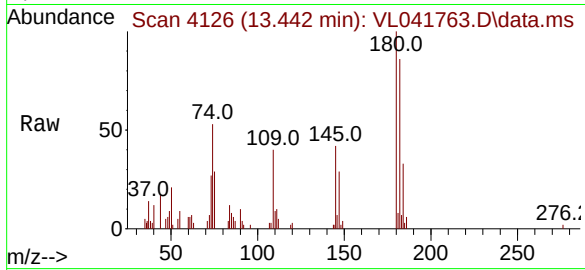
Lab File: VL041763.D

Acq: 16 Dec 2024 21:52

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion:180 Resp: 2717

Ion Ratio Lower Upper

180 100

182 98.0 77.0 115.6

184 34.7 23.8 35.8

