

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101024\  
 Data File : VL041653.D  
 Acq On : 10 Oct 2024 22:00  
 Operator : SY/MD  
 Sample : P4368-13 0.45  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Oct 11 05:45:40 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.173  | 49   | 999648   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.636  | 114  | 2736150  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.452 | 117  | 2438203  | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 1859606 10.361 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.600%

#### Target Compounds

|                               |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.706 | 85  | 88596  | 0.614 | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 2.652 | 51  | 60016  | 0.495 | ppbv   | 98     |
| 4) Chloromethane              | 2.793 | 50  | 33804  | 0.507 | ppbv   | 97     |
| 5) Vinyl Chloride             | 2.899 | 62  | 28193  | 0.488 | ppbv   | 92     |
| 6) Bromomethane               | 3.099 | 94  | 13030  | 0.454 | ppbv   | 90     |
| 7) Chloroethane               | 3.173 | 64  | 9349   | 0.416 | ppbv   | 95     |
| 8) Dichlorotetrafluoroethane  | 2.832 | 85  | 75834  | 0.501 | ppbv   | 99     |
| 9) Propene                    | 2.668 | 41  | 20899  | 0.409 | ppbv   | 84     |
| 10) Heptane                   | 7.565 | 43  | 38376  | 0.320 | ppbv   | 90     |
| 11) Trichlorofluoromethane    | 3.539 | 101 | 71931  | 0.468 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 4.044 | 101 | 51640  | 0.464 | ppbv   | 95     |
| 13) Ethanol                   | 3.231 | 45  | 212    | 0.055 | ppbv # | 37     |
| 14) Bromoethene               | 3.343 | 108 | 17008  | 0.403 | ppbv # | 89     |
| 15) Acetone                   | 3.465 | 43  | 65445  | 0.521 | ppbv # | 88     |
| 16) 1,3-Butadiene             | 2.960 | 39  | 26906  | 0.441 | ppbv   | 95     |
| 17) tert-Butyl alcohol        | 3.877 | 59  | 37808  | 0.343 | ppbv   | 94     |
| 18) 1,1-Dichloroethene        | 3.857 | 96  | 21233  | 0.451 | ppbv   | 91     |
| 19) Isopropyl Alcohol         | 3.578 | 45  | 15592  | 0.243 | ppbv # | 52     |
| 20) Methylene Chloride        | 3.909 | 84  | 23837  | 0.506 | ppbv   | 97     |
| 21) Allyl Chloride            | 3.980 | 41  | 27567  | 0.379 | ppbv # | 81     |
| 22) trans-1,2-Dichloroethene  | 4.423 | 96  | 10484  | 0.223 | ppbv   | 92     |
| 23) Vinyl Acetate             | 4.613 | 43  | 27793  | 0.403 | ppbv # | 93     |
| 24) 1,1-Dichloroethane        | 4.542 | 63  | 52257  | 0.504 | ppbv   | 97     |
| 25) Ethyl Acetate             | 5.198 | 43  | 92261  | 0.410 | ppbv   | 97     |
| 26) Hexane                    | 5.192 | 57  | 33803  | 0.360 | ppbv # | 80     |
| 27) Carbon Disulfide          | 4.108 | 76  | 33720  | 0.338 | ppbv # | 97     |
| 28) Methyl tert-Butyl Ether   | 4.581 | 73  | 15107  | 0.261 | ppbv # | 61     |
| 29) Chloroform                | 5.253 | 83  | 69736  | 0.454 | ppbv   | 86     |
| 30) Cyclohexane               | 6.584 | 84  | 19890  | 0.275 | ppbv # | 79     |
| 31) cis-1,2-Dichloroethene    | 5.060 | 61  | 32443  | 0.364 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 5.983 | 97  | 62338  | 0.455 | ppbv   | 95     |
| 34) 2-Butanone                | 4.784 | 43  | 54959  | 0.421 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 6.475 | 117 | 61859  | 0.461 | ppbv # | 86     |
| 36) Benzene                   | 6.353 | 78  | 70672  | 0.372 | ppbv   | 95     |
| 37) 1,2-Dichloroethane        | 5.790 | 62  | 46623  | 0.423 | ppbv # | 96     |
| 38) Trichloroethene           | 7.269 | 130 | 23693  | 0.242 | ppbv   | 93     |
| 39) 1,2-Dichloropropane       | 7.054 | 63  | 29934  | 0.387 | ppbv   | 89     |
| 41) Tetrahydrofuran           | 5.558 | 42  | 6358   | 0.089 | ppbv # | 38     |
| 42) Bromodichloromethane      | 7.234 | 83  | 63535  | 0.414 | ppbv # | 98     |
| 43) Methyl Methacrylate       | 7.465 | 69  | 10490  | 0.154 | ppbv # | 4      |
| 44) 2,2,4-Trimethylpentane    | 7.314 | 57  | 107516 | 0.327 | ppbv # | 80     |
| 45) t-1,3-Dichloropropene     | 8.697 | 75  | 8178   | 0.149 | ppbv   | 100    |
| 46) cis-1,3-Dichloropropene   | 8.131 | 75  | 23203  | 0.289 | ppbv   | 93     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101024\  
 Data File : VL041653.D  
 Acq On : 10 Oct 2024 22:00  
 Operator : SY/MD  
 Sample : P4368-13 0.45  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

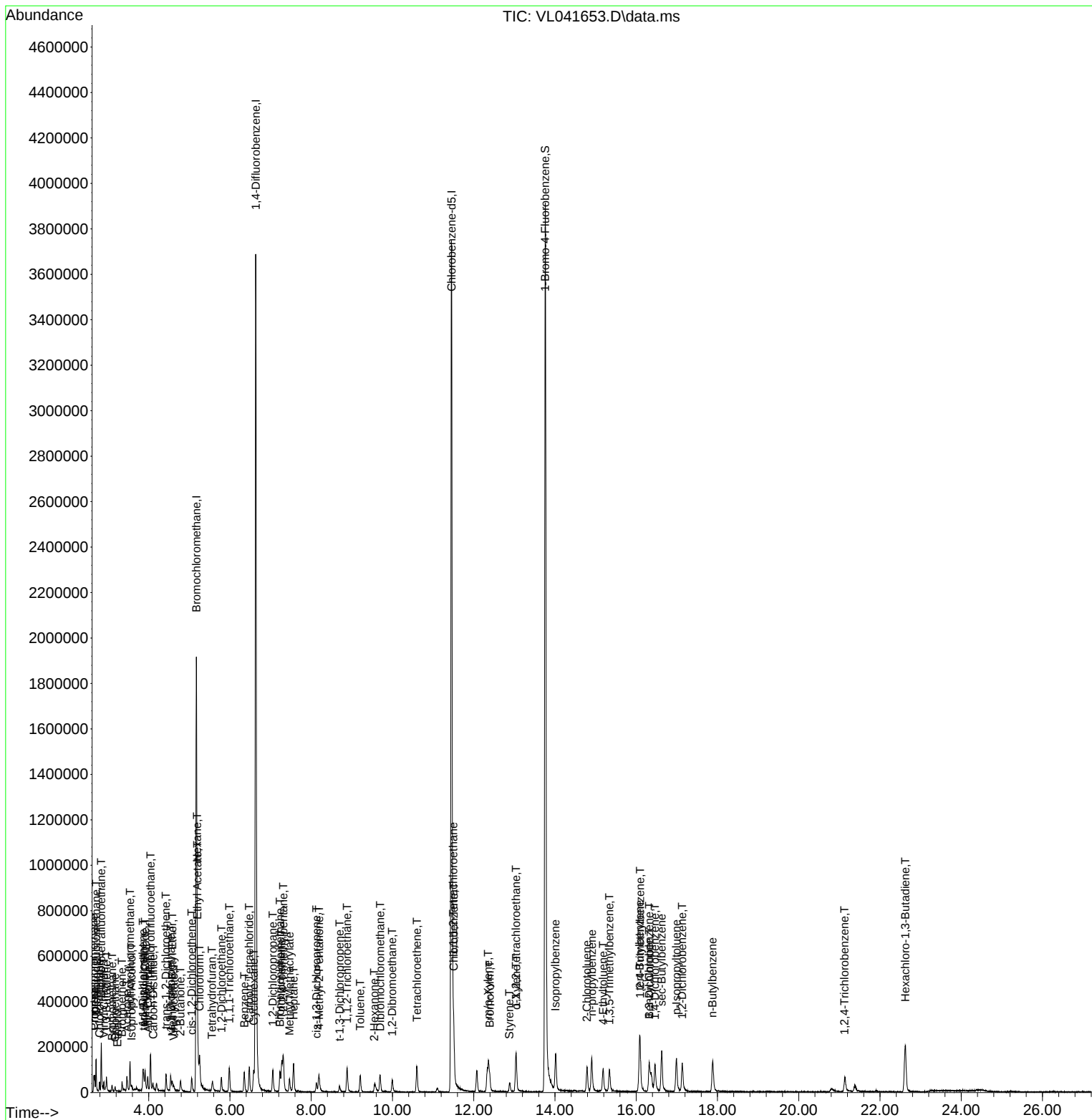
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 MSVOA\_L  
 ClientSampleId :

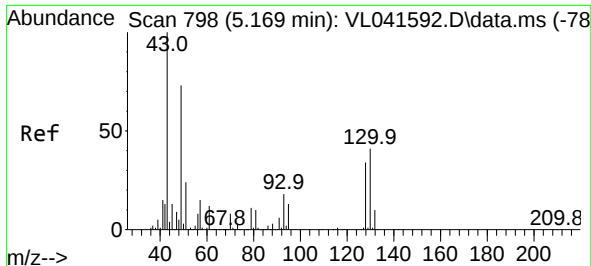
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Sep 17 09:12:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 47) 1,1,2-Trichloroethane     | 8.883  | 97   | 35470    | 0.432 | ppbv   | 96       |
| 48) Dibromochloromethane      | 9.700  | 129  | 16975    | 0.136 | ppbv # | 1        |
| 49) Bromoform                 | 12.394 | 173  | 31515    | 0.295 | ppbv   | 89       |
| 50) 4-Methyl-2-Pentanone      | 8.192  | 43   | 52079    | 0.258 | ppbv   | 91       |
| 51) 2-Hexanone                | 9.552  | 43   | 9667     | 0.063 | ppbv # | 31       |
| 52) Tetrachloroethene         | 10.603 | 164  | 25588    | 0.372 | ppbv   | 98       |
| 53) Toluene                   | 9.208  | 91   | 55629    | 0.276 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 9.996  | 107  | 36766    | 0.364 | ppbv   | 96       |
| 56) 1,1,1,2-Tetrachloroethane | 11.497 | 131  | 43988    | 0.462 | ppbv # | 1        |
| 57) Chlorobenzene             | 11.507 | 112  | 85252    | 0.485 | ppbv   | 96       |
| 59) m/p-Xylene                | 12.356 | 91   | 27627    | 0.119 | ppbv # | 30       |
| 60) o-Xylene                  | 13.047 | 91   | 65624    | 0.295 | ppbv   | 96       |
| 61) Styrene                   | 12.880 | 104  | 4718     | 0.051 | ppbv # | 1        |
| 62) Isopropylbenzene          | 14.011 | 105  | 54892    | 0.163 | ppbv # | 49       |
| 63) 1,1,2,2-Tetrachloroethane | 13.044 | 83   | 57698    | 0.507 | ppbv   | 97       |
| 64) n-propylbenzene           | 14.912 | 120  | 29914    | 0.343 | ppbv   | 89       |
| 65) tert-Butylbenzene         | 16.085 | 119  | 105163   | 0.340 | ppbv   | 90       |
| 66) Benzyl Chloride           | 16.317 | 91   | 2048     | 0.127 | ppbv # | 63       |
| 67) sec-Butylbenzene          | 16.629 | 105  | 153767   | 0.358 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 16.989 | 119  | 106643   | 0.307 | ppbv   | 94       |
| 70) n-Butylbenzene            | 17.876 | 91   | 49920    | 0.137 | ppbv # | 32       |
| 71) 2-Chlorotoluene           | 14.790 | 91   | 80291    | 0.323 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.182 | 105  | 71927    | 0.276 | ppbv # | 86       |
| 73) 1,3,5-Trimethylbenzene    | 15.339 | 105  | 68286    | 0.297 | ppbv   | 93       |
| 74) 1,2,4-Trimethylbenzene    | 16.098 | 105  | 95705    | 0.356 | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 16.323 | 146  | 6415     | 0.038 | ppbv # | 1        |
| 76) 1,4-Dichlorobenzene       | 16.458 | 146  | 27057    | 0.167 | ppbv # | 23       |
| 77) 1,2-Dichlorobenzene       | 17.130 | 146  | 30934    | 0.186 | ppbv # | 5        |
| 78) Hexachloro-1,3-Butadiene  | 22.622 | 225  | 35021    | 0.255 | ppbv # | 26       |
| 81) 1,2,4-Trichlorobenzene    | 21.127 | 180  | 9971     | 0.079 | ppbv # | 12       |

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

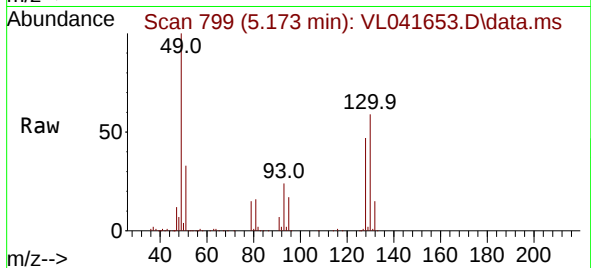
Quant Time: Oct 11 05:45:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091624AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Tue Sep 17 09:12:21 2024  
Response via : Initial Calibration



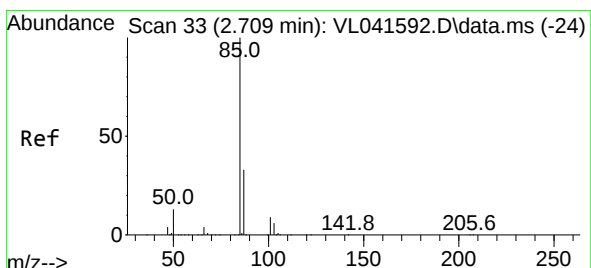
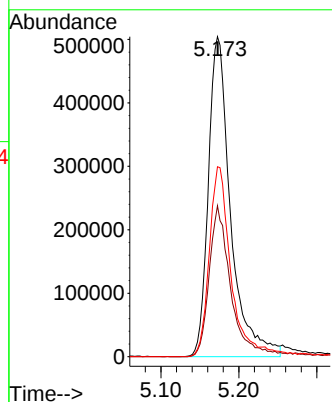
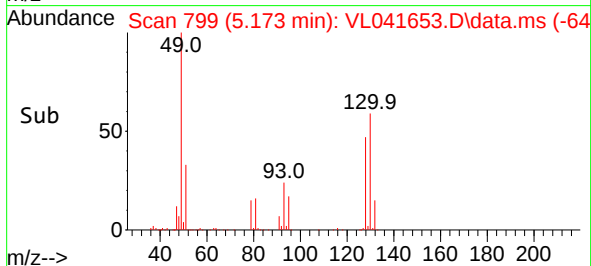


#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.173 min Scan# 798  
 Delta R.T. 0.004 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

Instrument :  
 MSVOA\_L  
 ClientSampleId :

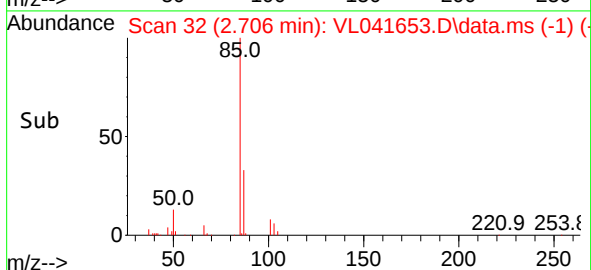
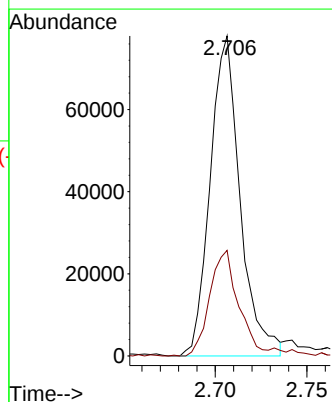
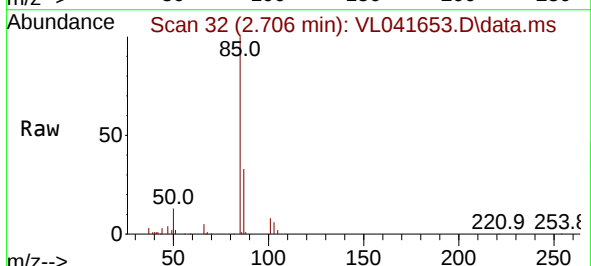


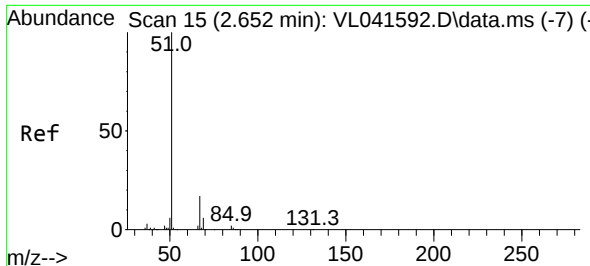
Tgt Ion: 49 Resp: 999648  
 Ion Ratio Lower Upper  
 49 100  
 128 46.7 23.8 71.5  
 130 60.6 30.4 91.3



#2  
 Dichlorodifluoromethane  
 Concen: 0.614 ppbv  
 RT: 2.706 min Scan# 32  
 Delta R.T. -0.003 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

Tgt Ion: 85 Resp: 88596  
 Ion Ratio Lower Upper  
 85 100  
 87 33.0 26.3 39.5

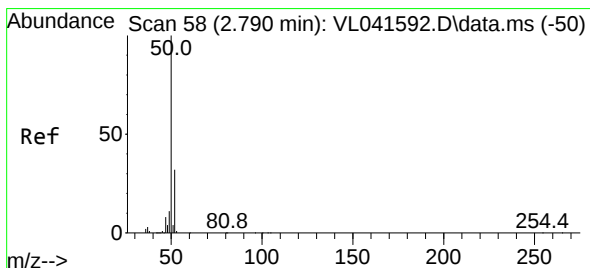
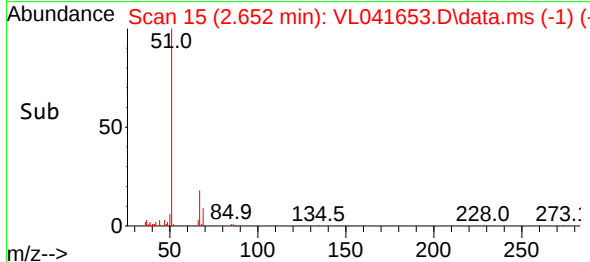
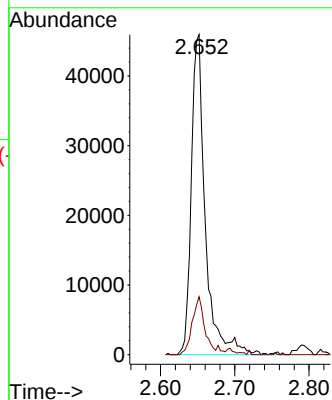
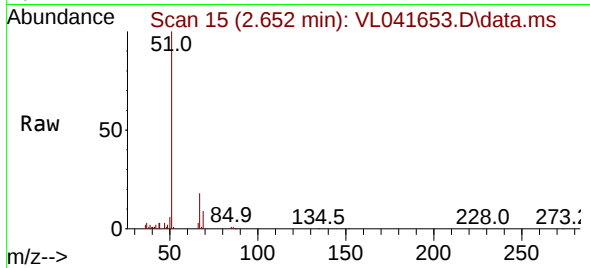




#3  
Chlorodifluoromethane  
Concen: 0.495 ppbv  
RT: 2.652 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

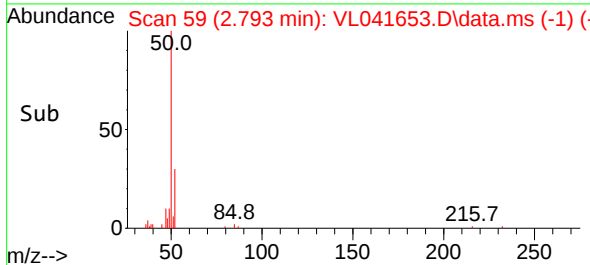
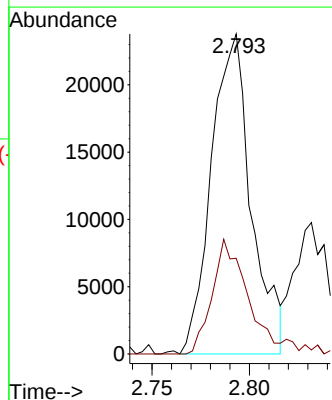
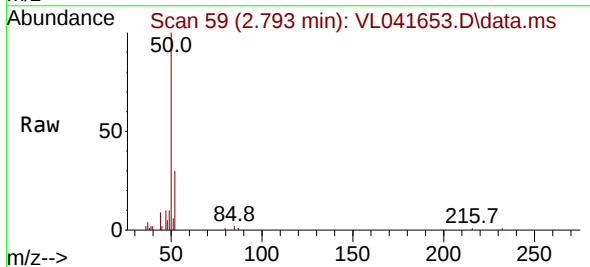
Instrument :  
MSVOA\_L  
ClientSampleId :

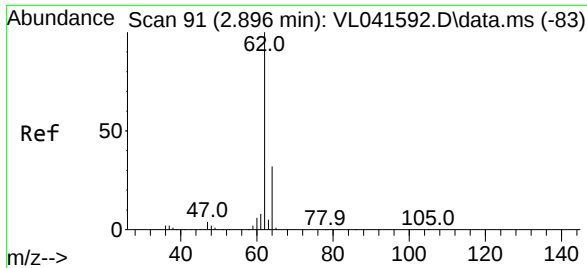
Tgt Ion: 51 Resp: 60016  
Ion Ratio Lower Upper  
51 100  
67 18.3 14.1 21.1



#4  
Chloromethane  
Concen: 0.507 ppbv  
RT: 2.793 min Scan# 59  
Delta R.T. 0.003 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion: 50 Resp: 33804  
Ion Ratio Lower Upper  
50 100  
52 29.9 25.4 38.2

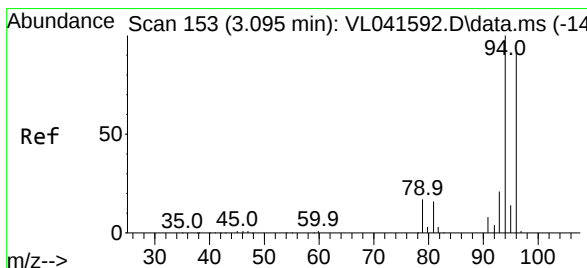
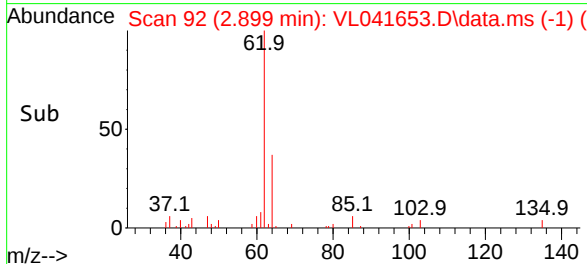
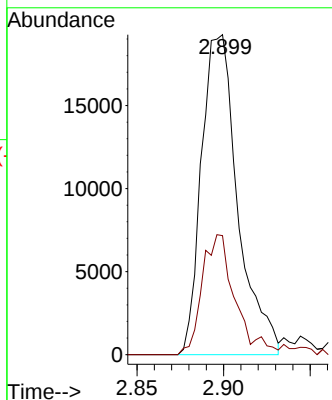
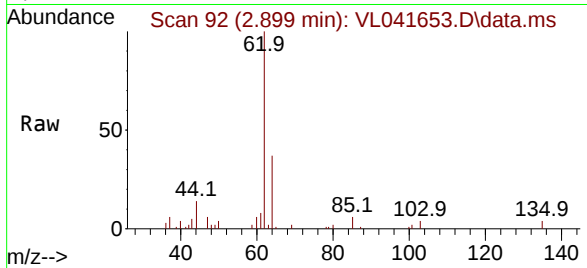




#5  
 Vinyl Chloride  
 Concen: 0.488 ppbv  
 RT: 2.899 min Scan# 91  
 Delta R.T. 0.003 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

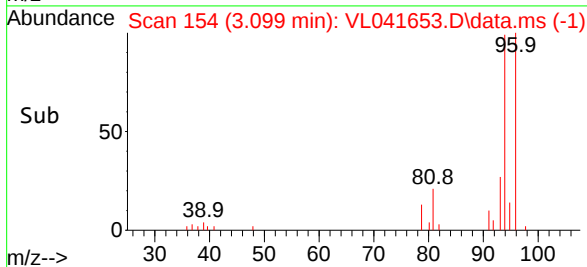
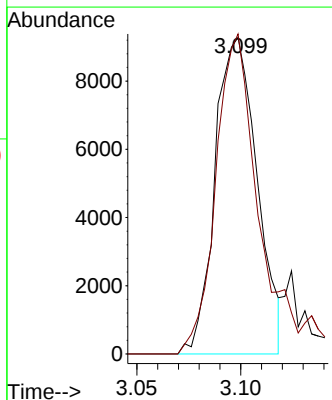
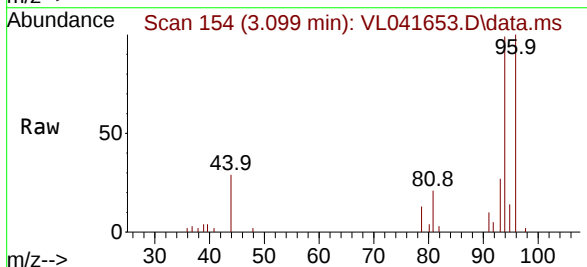
Instrument :  
 MSVOA\_L  
 ClientSampleId :

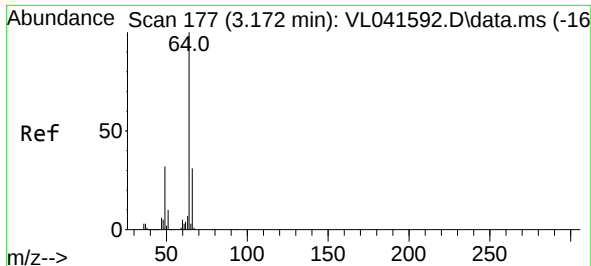
Tgt Ion: 62 Resp: 28193  
 Ion Ratio Lower Upper  
 62 100  
 64 37.2 26.0 39.0



#6  
 Bromomethane  
 Concen: 0.454 ppbv  
 RT: 3.099 min Scan# 154  
 Delta R.T. 0.003 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

Tgt Ion: 94 Resp: 13030  
 Ion Ratio Lower Upper  
 94 100  
 96 101.1 73.4 110.2

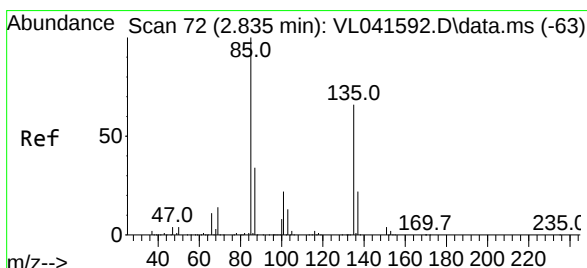
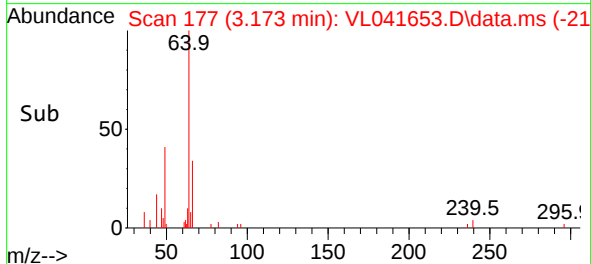
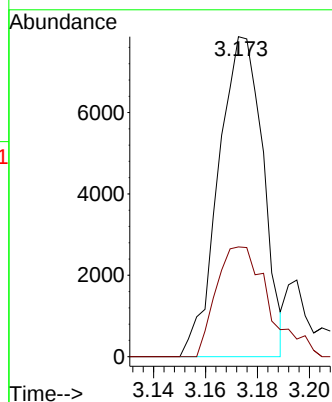
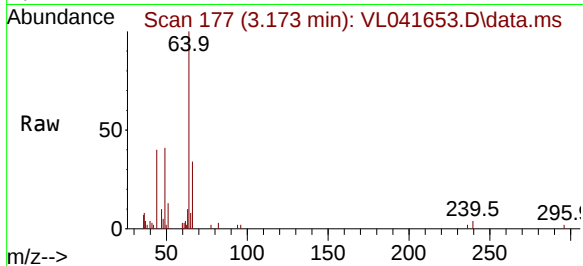




#7  
Chloroethane  
Concen: 0.416 ppbv  
RT: 3.173 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

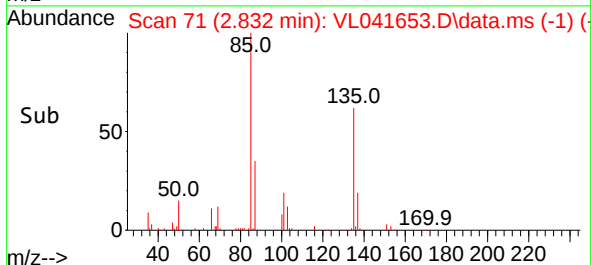
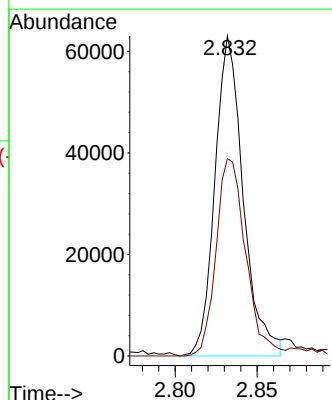
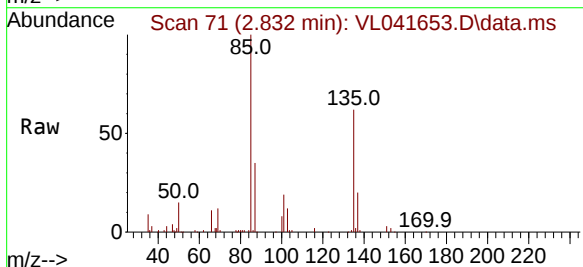
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MSVOA\_L  
ClientSampleId :

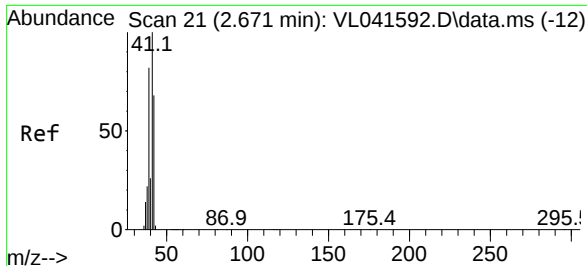
Tgt Ion: 64 Resp: 9349  
Ion Ratio Lower Upper  
64 100  
66 34.3 25.1 37.7



#8  
Dichlorotetrafluoroethane  
Concen: 0.501 ppbv  
RT: 2.832 min Scan# 71  
Delta R.T. -0.003 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion: 85 Resp: 75834  
Ion Ratio Lower Upper  
85 100  
135 67.9 53.9 80.9

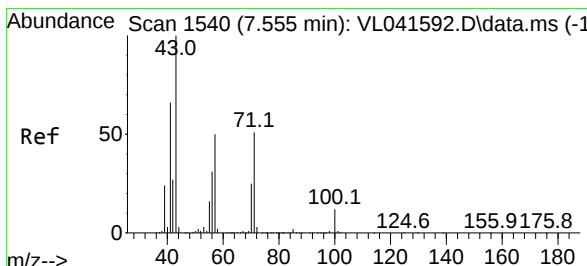
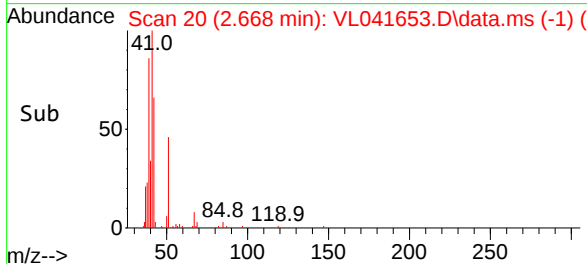
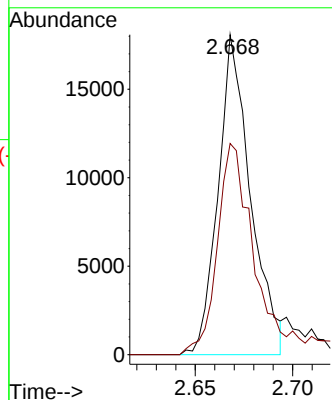
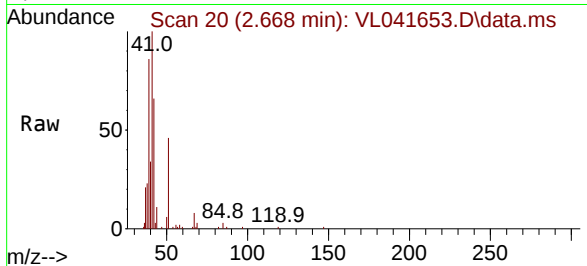




#9  
 Propene  
 Concen: 0.409 ppbv  
 RT: 2.668 min Scan# 20  
 Delta R.T. -0.003 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

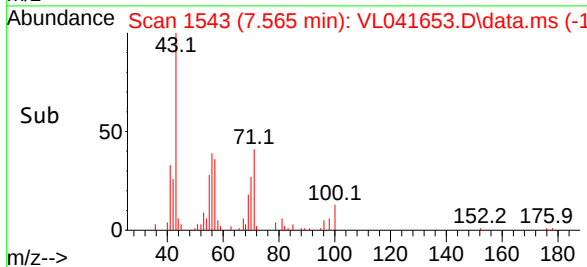
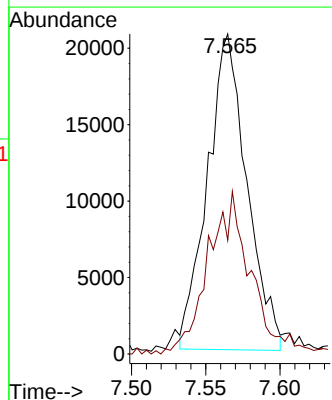
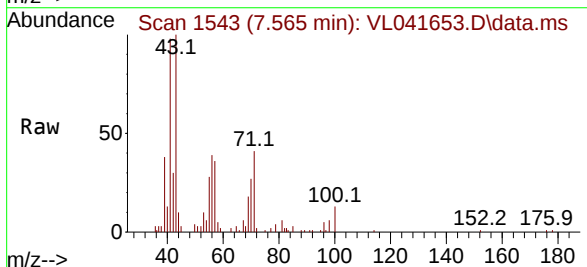
Instrument :  
 MSVOA\_L  
 ClientSampleId :

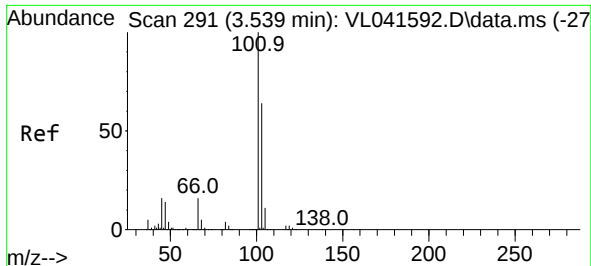
Tgt Ion: 41 Resp: 20899  
 Ion Ratio Lower Upper  
 41 100  
 42 82.3 55.2 82.8



#10  
 Heptane  
 Concen: 0.320 ppbv  
 RT: 7.565 min Scan# 1543  
 Delta R.T. 0.010 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

Tgt Ion: 43 Resp: 38376  
 Ion Ratio Lower Upper  
 43 100  
 57 56.4 39.8 59.8

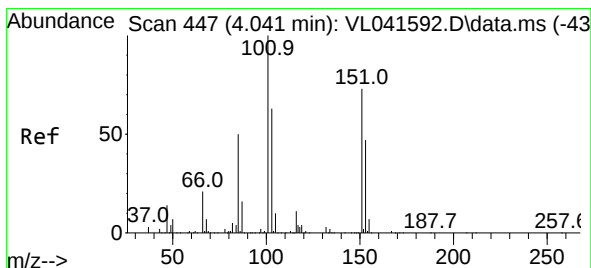
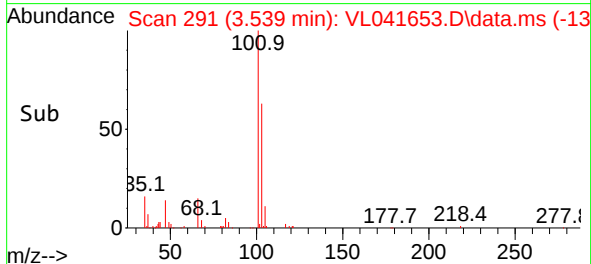
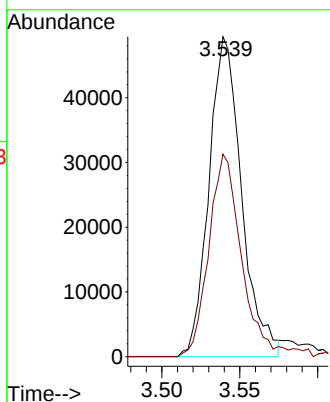
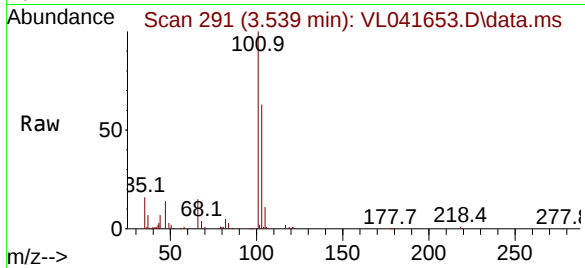




#11  
 Trichlorofluoromethane  
 Concen: 0.468 ppbv  
 RT: 3.539 min Scan# 291  
 Delta R.T. 0.000 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

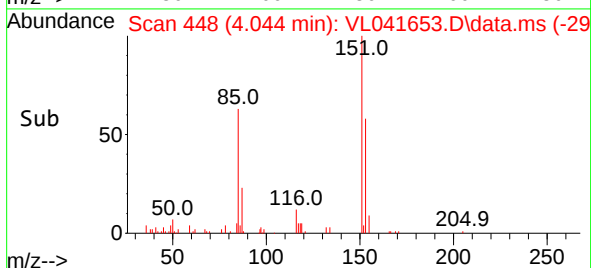
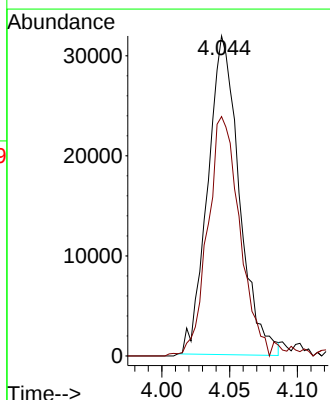
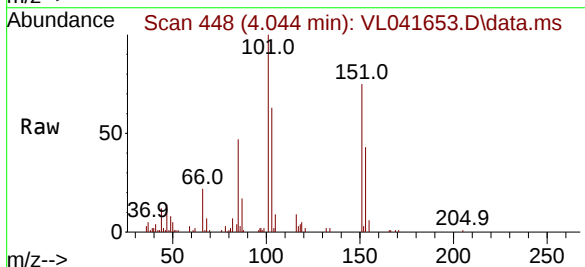
Instrument :  
 MSVOA\_L  
 ClientSampleId :

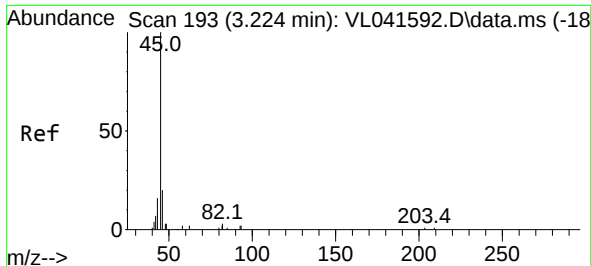
Tgt Ion:101 Resp: 71931  
 Ion Ratio Lower Upper  
 101 100  
 103 63.3 51.2 76.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.464 ppbv  
 RT: 4.044 min Scan# 448  
 Delta R.T. 0.003 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

Tgt Ion:101 Resp: 51640  
 Ion Ratio Lower Upper  
 101 100  
 151 78.4 59.4 89.2

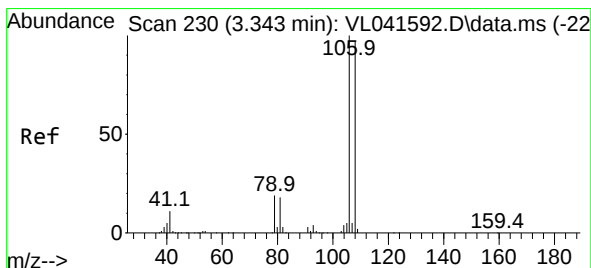
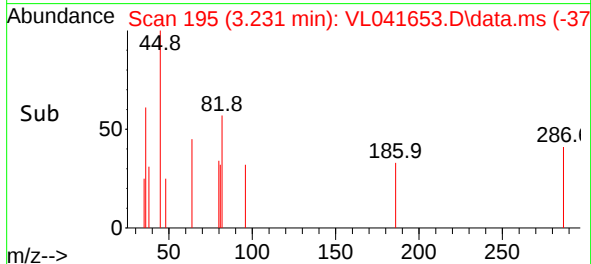
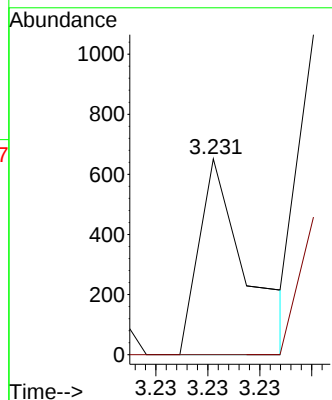
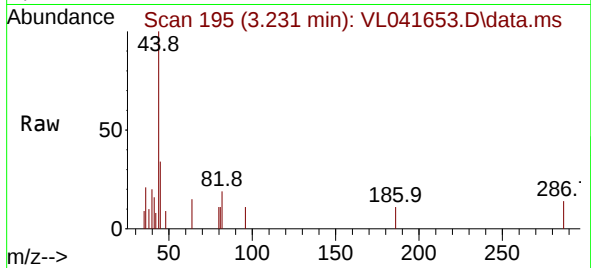




#13  
Ethanol  
Concen: 0.055 ppbv  
RT: 3.231 min Scan# 193  
Delta R.T. 0.007 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

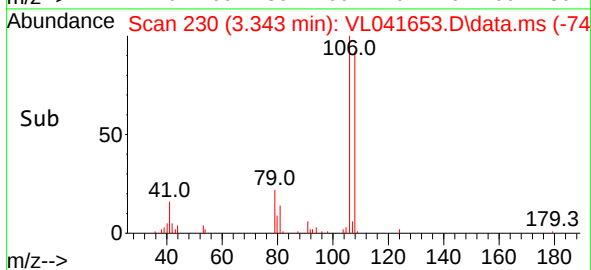
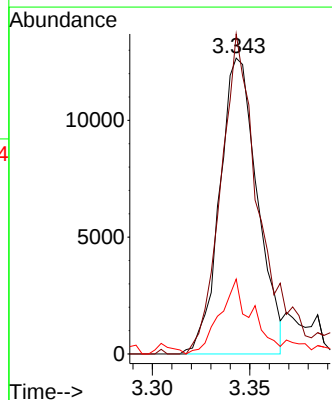
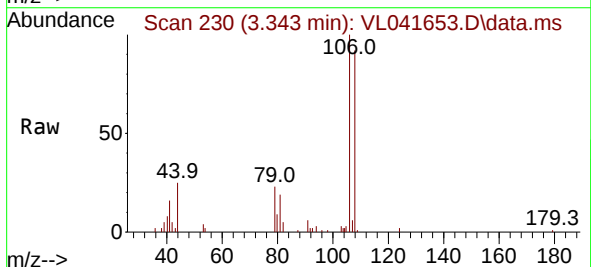
Instrument :  
MSVOA\_L  
ClientSampleId :

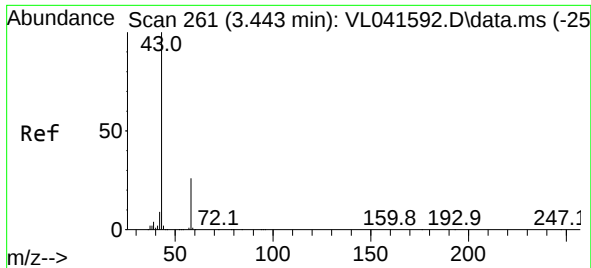
Tgt Ion: 45 Resp: 212  
Ion Ratio Lower Upper  
45 100  
46 0.0 15.2 60.8#



#14  
Bromoethene  
Concen: 0.403 ppbv  
RT: 3.343 min Scan# 230  
Delta R.T. 0.000 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion: 108 Resp: 17008  
Ion Ratio Lower Upper  
108 100  
106 118.5 86.5 129.7  
79 29.2 16.2 24.4#

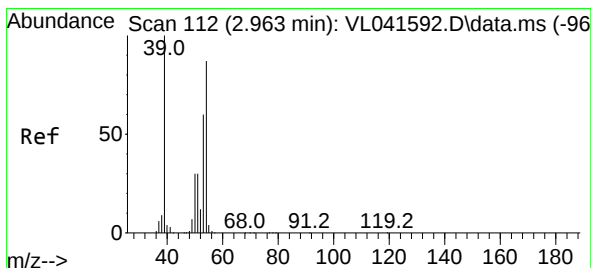
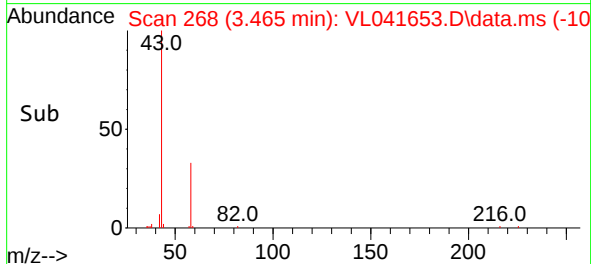
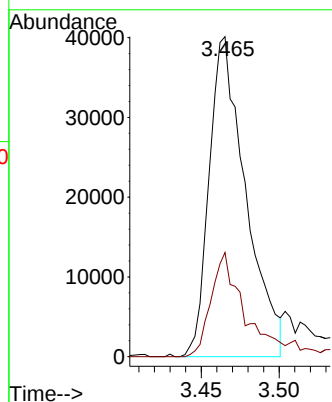
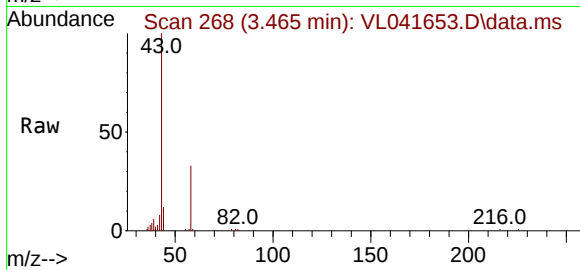




#15  
Acetone  
Concen: 0.521 ppbv  
RT: 3.465 min Scan# 20  
Delta R.T. 0.023 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

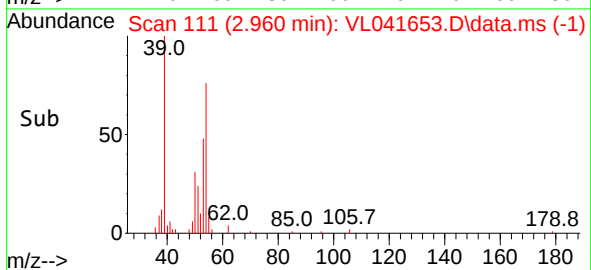
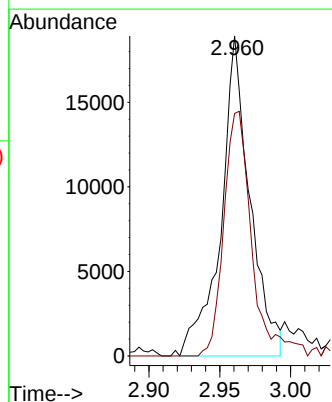
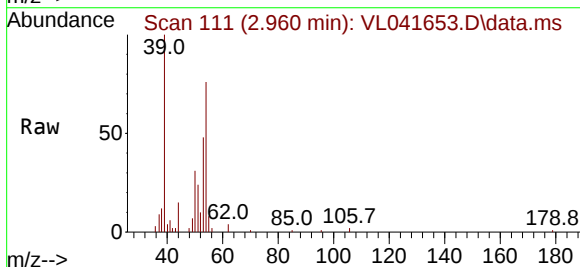
Instrument :  
MSVOA\_L  
ClientSampleId :

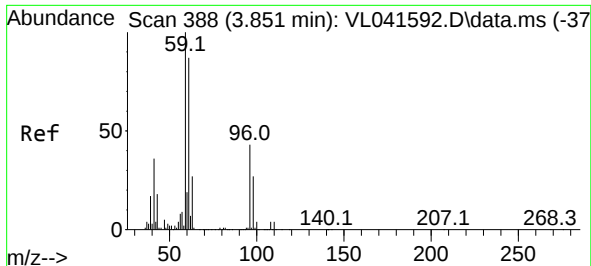
Tgt Ion: 43 Resp: 65445  
Ion Ratio Lower Upper  
43 100  
58 32.9 21.5 32.3#



#16  
1,3-Butadiene  
Concen: 0.441 ppbv  
RT: 2.960 min Scan# 111  
Delta R.T. -0.003 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion: 39 Resp: 26906  
Ion Ratio Lower Upper  
39 100  
54 74.3 62.9 94.3





#17

tert-Butyl alcohol

Concen: 0.343 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.026 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

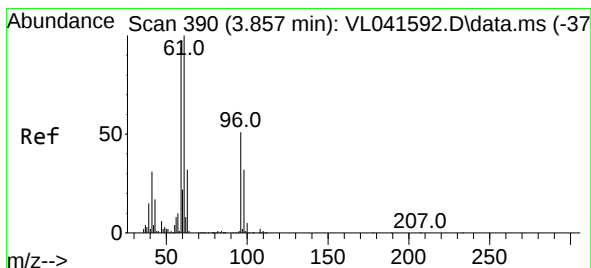
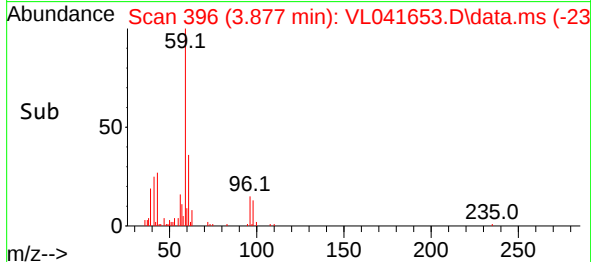
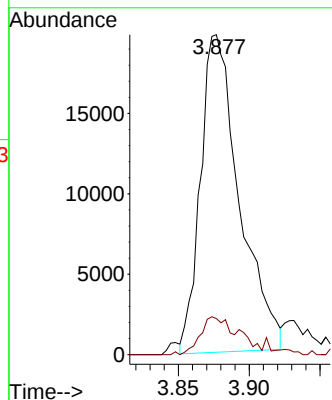
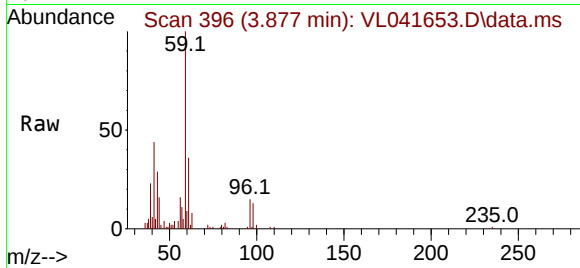
ClientSampleId :

Tgt Ion: 59 Resp: 37808

Ion Ratio Lower Upper

59 100

57 13.0 8.7 13.1



#18

1,1-Dichloroethene

Concen: 0.451 ppbv

RT: 3.857 min Scan# 390

Delta R.T. 0.000 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

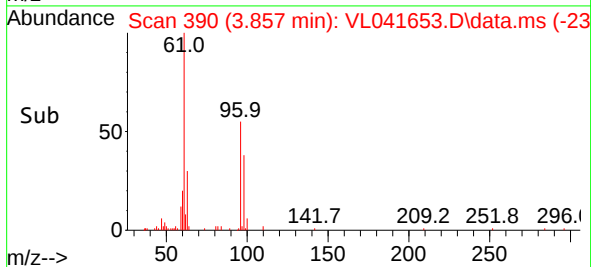
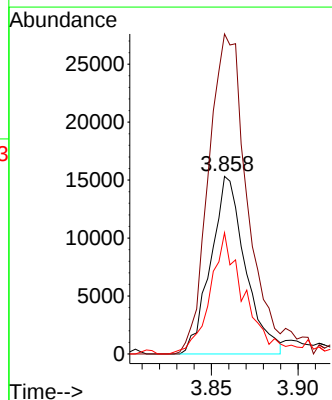
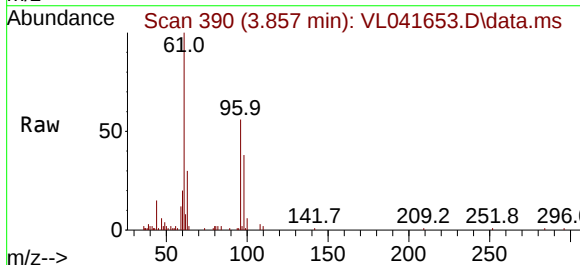
Tgt Ion: 96 Resp: 21233

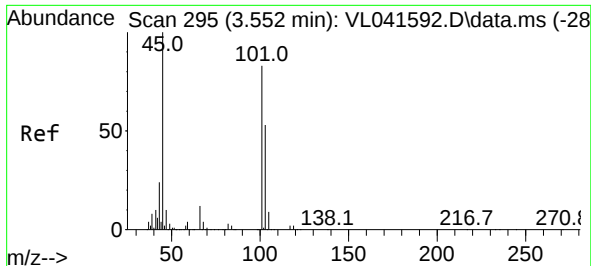
Ion Ratio Lower Upper

96 100

61 178.9 155.6 233.4

98 65.9 50.6 75.8

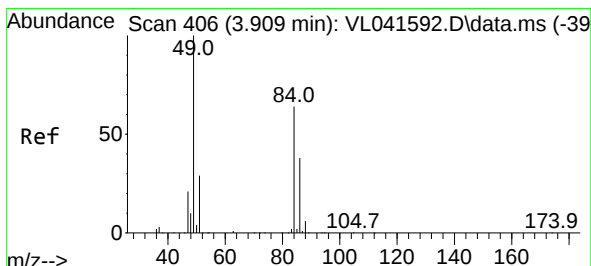
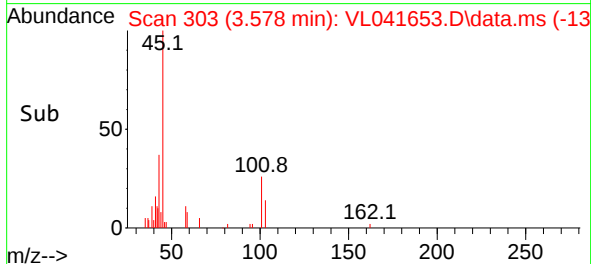
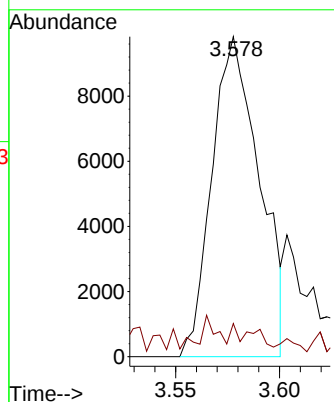
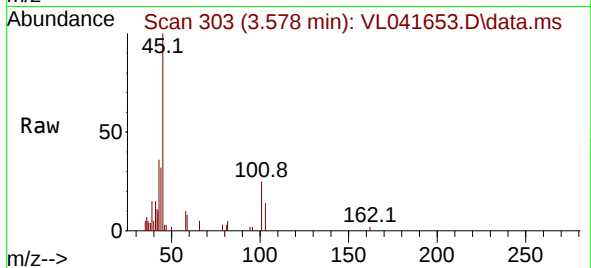




#19  
Isopropyl Alcohol  
Concen: 0.243 ppbv  
RT: 3.578 min Scan# 303  
Delta R.T. 0.026 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

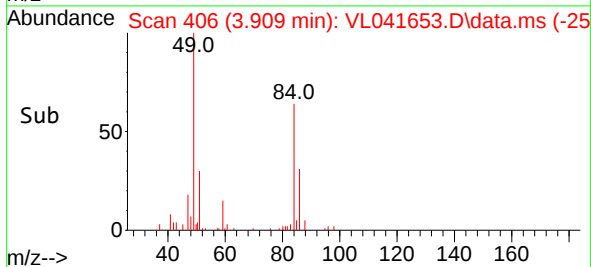
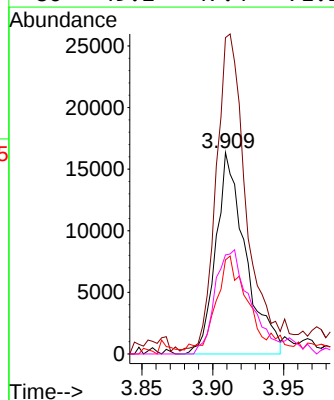
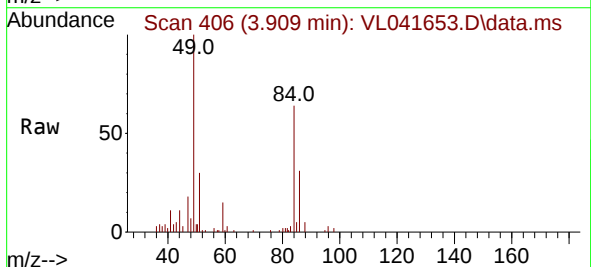
Instrument :  
MSVOA\_L  
ClientSampleId :

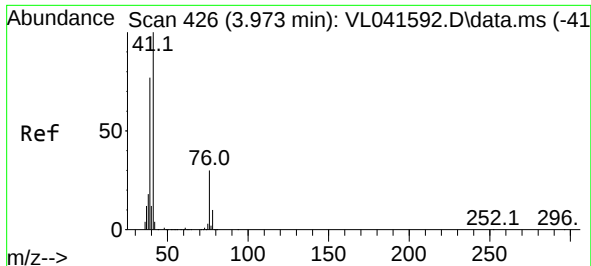
Tgt Ion: 45 Resp: 15592  
Ion Ratio Lower Upper  
45 100  
58 18.9 2.1 3.1#



#20  
Methylene Chloride  
Concen: 0.506 ppbv  
RT: 3.909 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion: 84 Resp: 23837  
Ion Ratio Lower Upper  
84 100  
49 155.5 124.3 186.5  
51 44.5 36.3 54.5  
86 49.2 47.4 71.2





#21

Allyl Chloride

Concen: 0.379 ppbv

RT: 3.980 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

ClientSampleId :

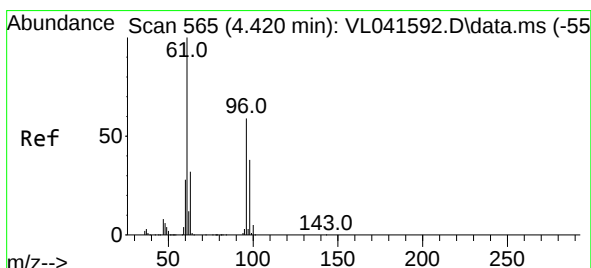
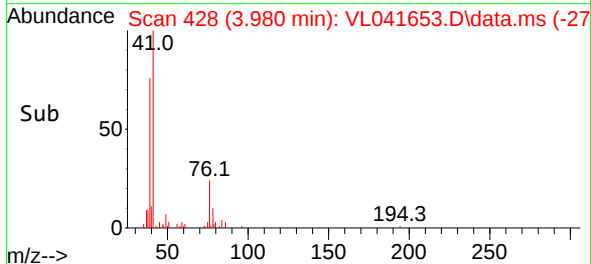
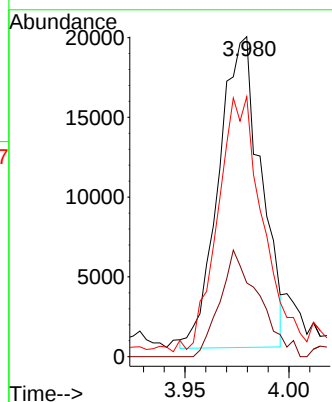
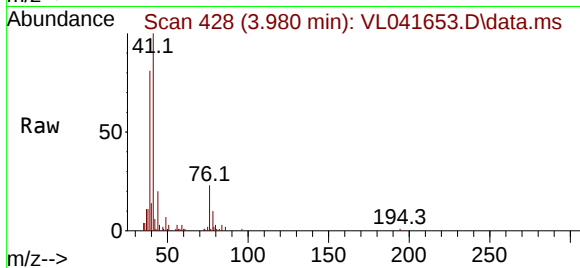
Tgt Ion: 41 Resp: 27567

Ion Ratio Lower Upper

41 100

76 35.0 23.8 35.6

39 100.0 63.9 95.9#



#22

trans-1,2-Dichloroethene

Concen: 0.223 ppbv

RT: 4.423 min Scan# 566

Delta R.T. 0.003 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

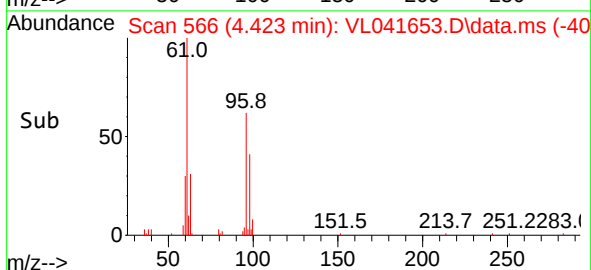
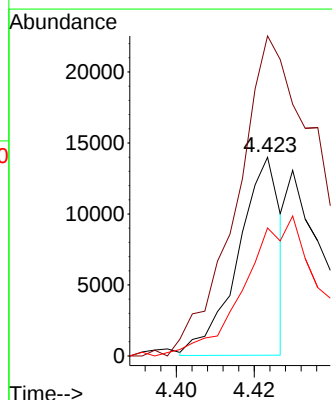
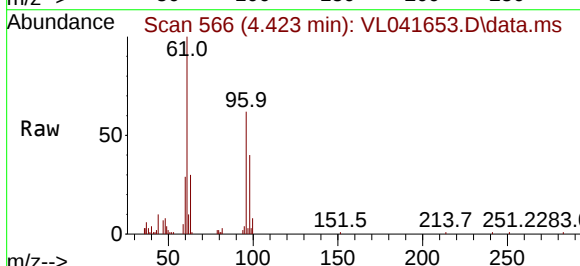
Tgt Ion: 96 Resp: 10484

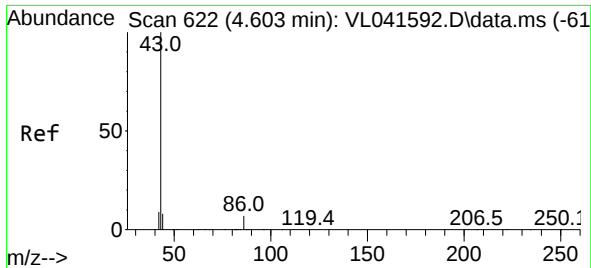
Ion Ratio Lower Upper

96 100

61 155.3 135.7 203.5

98 62.3 50.9 76.3

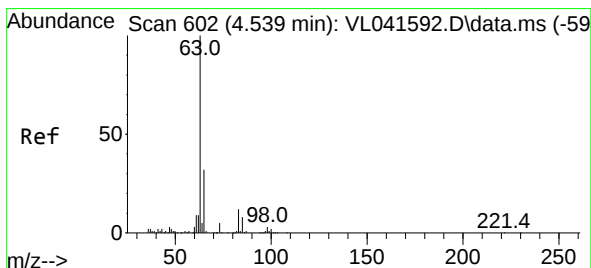
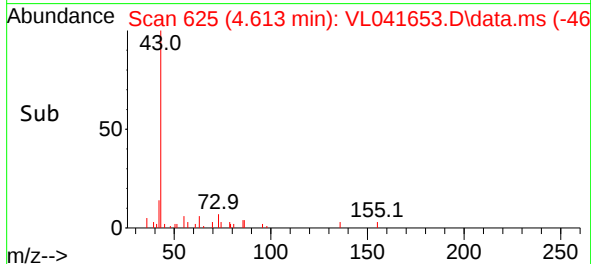
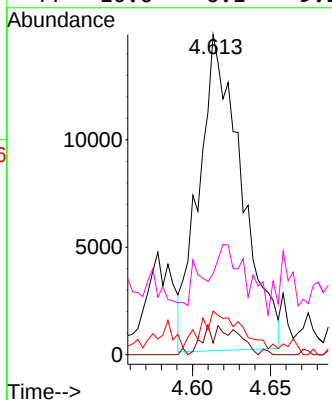
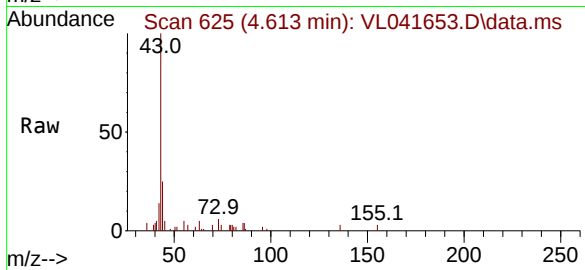




#23  
 Vinyl Acetate  
 Concen: 0.403 ppbv  
 RT: 4.613 min Scan# 61  
 Delta R.T. 0.010 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

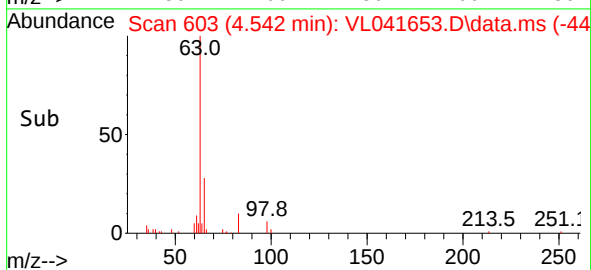
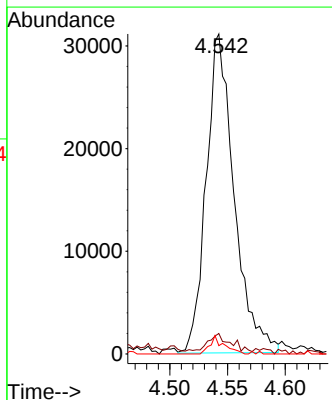
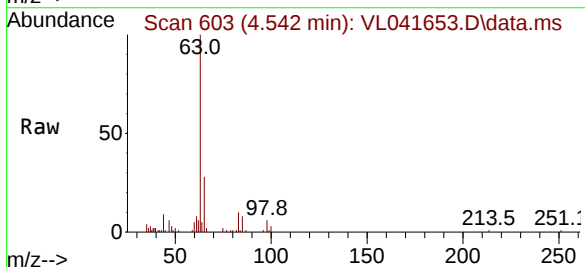
Instrument :  
 MSVOA\_L  
 ClientSampleId :

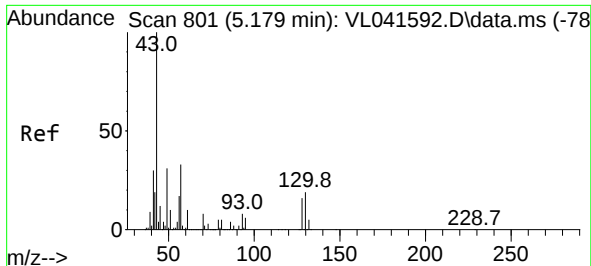
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 27793 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 5.3   | 4.9   | 7.3   |
| 42       | 13.2  | 8.0   | 12.0# |
| 44       | 10.6  | 6.1   | 9.1#  |



#24  
 1,1-Dichloroethane  
 Concen: 0.504 ppbv  
 RT: 4.542 min Scan# 603  
 Delta R.T. 0.003 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 52257 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 5.0   | 1.7   | 5.1   |
| 100      | 2.6   | 1.1   | 3.3   |

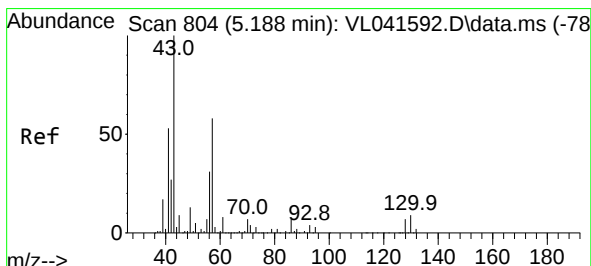
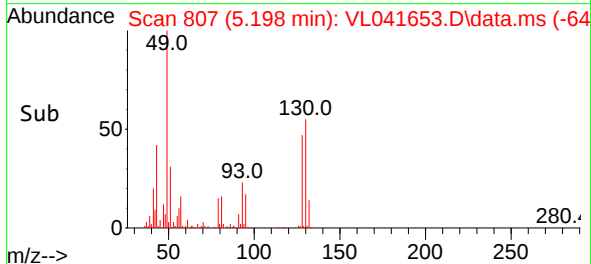
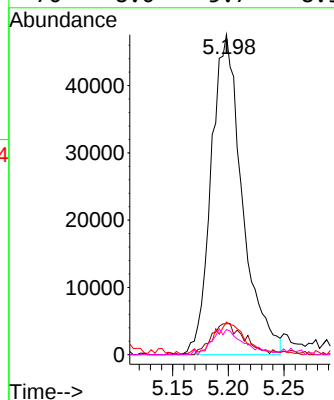
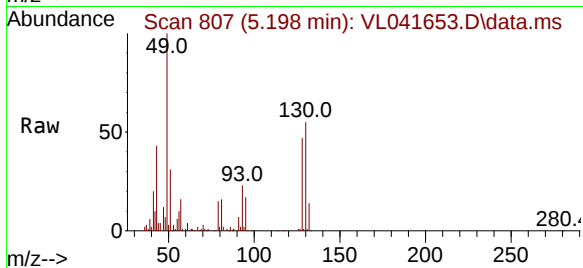




#25  
Ethyl Acetate  
Concen: 0.410 ppbv  
RT: 5.198 min Scan# 801  
Delta R.T. 0.019 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

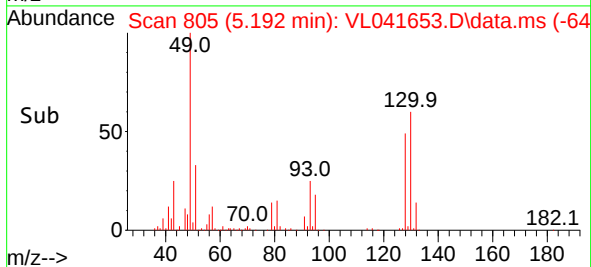
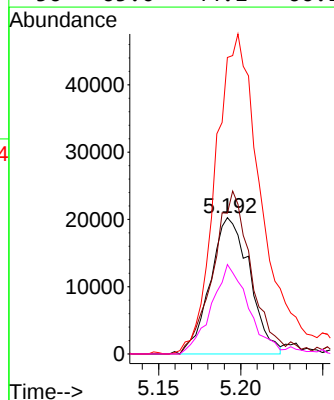
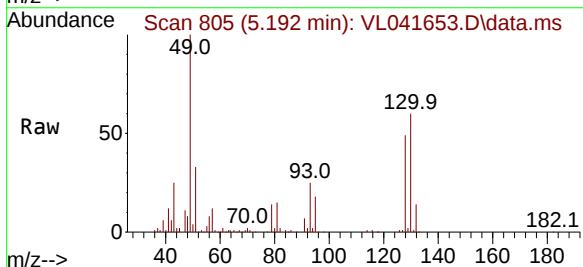
Instrument :  
MSVOA\_L  
ClientSampleId :

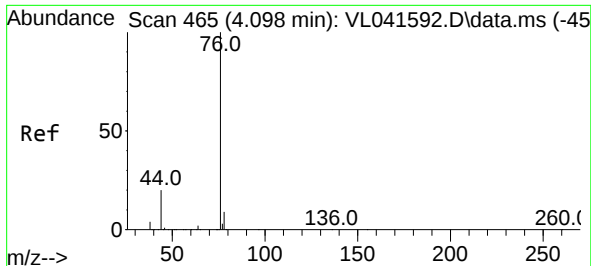
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 92261 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 45 11.4     | 8.2 12.2    |
| 61 11.3     | 8.0 12.0    |
| 70 8.0      | 5.7 8.5     |



#26  
Hexane  
Concen: 0.360 ppbv  
RT: 5.192 min Scan# 805  
Delta R.T. 0.003 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

|             |             |
|-------------|-------------|
| Tgt Ion: 57 | Resp: 33803 |
| Ion Ratio   | Lower Upper |
| 57 100      |             |
| 41 121.1    | 75.7 113.5# |
| 43 281.2    | 198.5 297.7 |
| 56 65.0     | 44.1 66.1   |

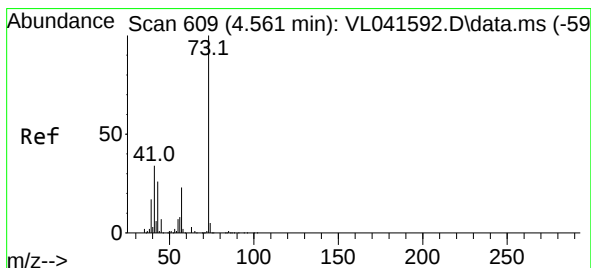
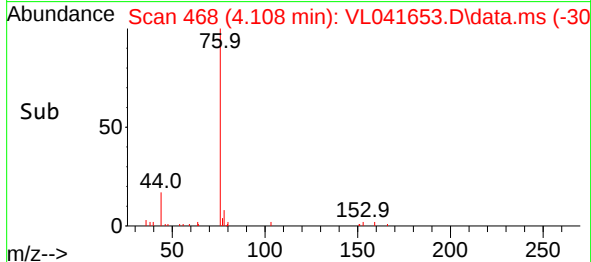
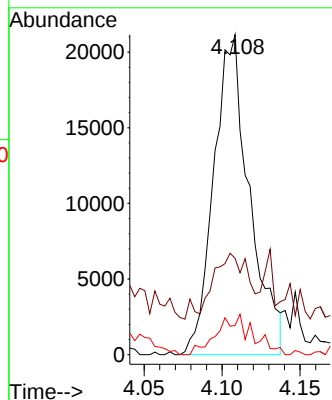
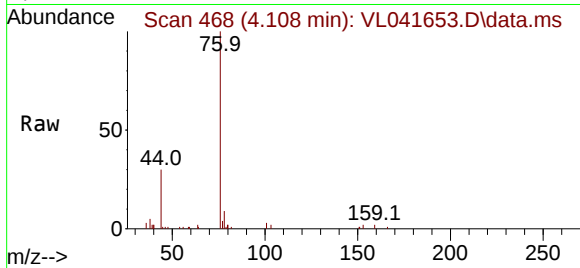




#27  
Carbon Disulfide  
Concen: 0.338 ppbv  
RT: 4.108 min Scan# 410  
Delta R.T. 0.010 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

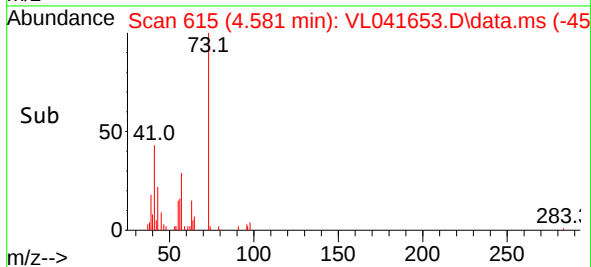
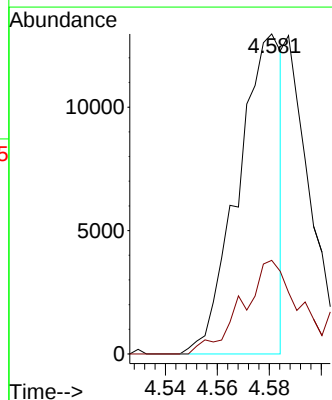
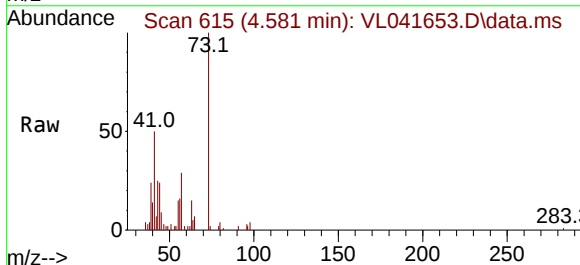
Instrument :  
MSVOA\_L  
ClientSampleId :

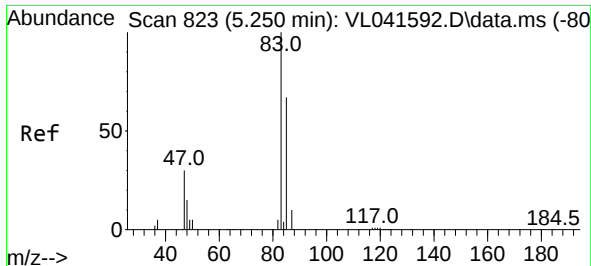
Tgt Ion: 76 Resp: 33720  
Ion Ratio Lower Upper  
76 100  
44 19.9 15.8 23.8  
78 12.4 7.5 11.3#



#28  
Methyl tert-Butyl Ether  
Concen: 0.261 ppbv  
RT: 4.581 min Scan# 615  
Delta R.T. 0.019 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion: 73 Resp: 15107  
Ion Ratio Lower Upper  
73 100  
57 43.3 19.3 28.9#





#29

Chloroform

Concen: 0.454 ppbv

RT: 5.253 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

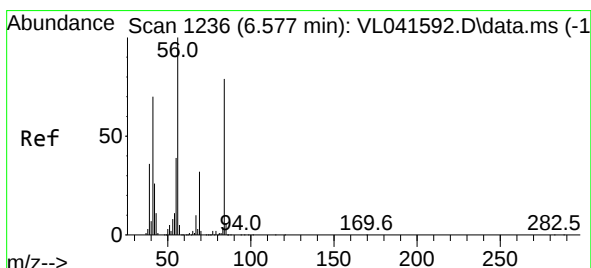
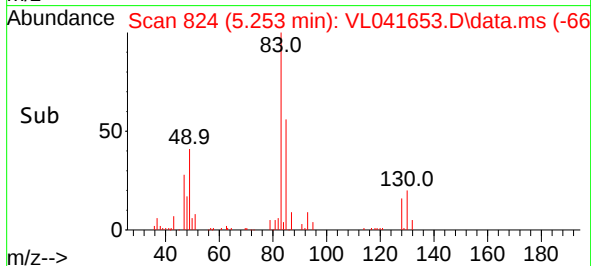
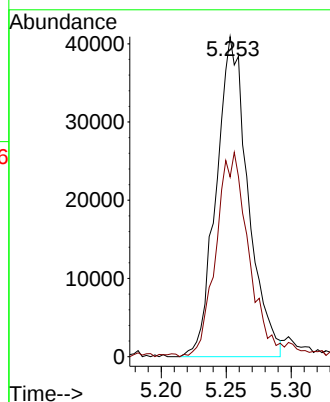
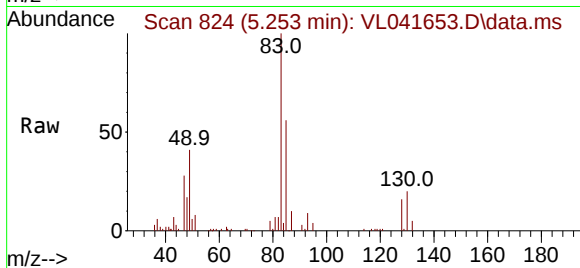
ClientSampleId :

Tgt Ion: 83 Resp: 69736

Ion Ratio Lower Upper

83 100

85 56.2 53.8 80.6



#30

Cyclohexane

Concen: 0.275 ppbv

RT: 6.584 min Scan# 1238

Delta R.T. 0.007 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

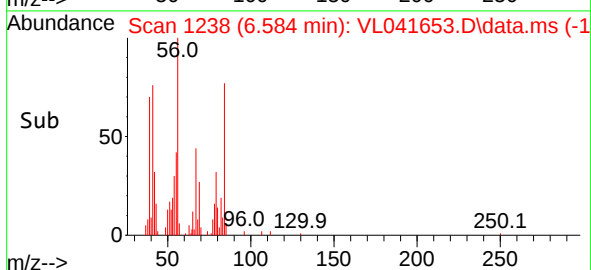
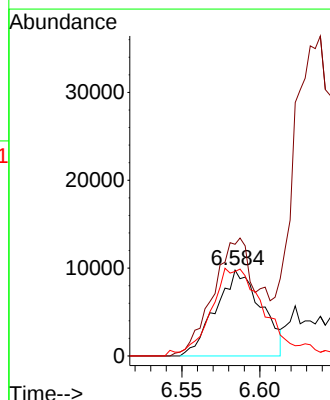
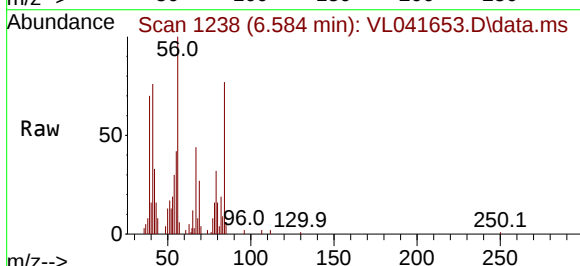
Tgt Ion: 84 Resp: 19890

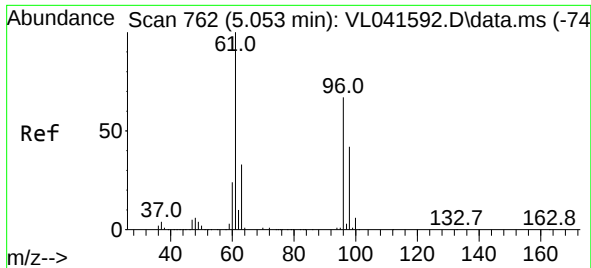
Ion Ratio Lower Upper

84 100

56 127.6 111.5 167.3

41 125.0 70.9 106.3#

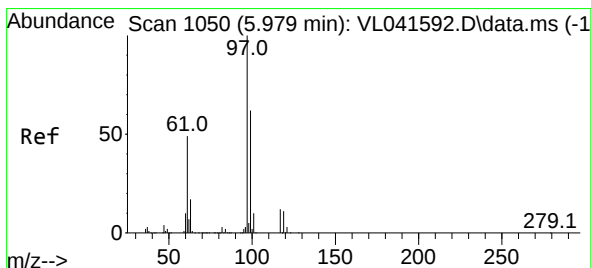
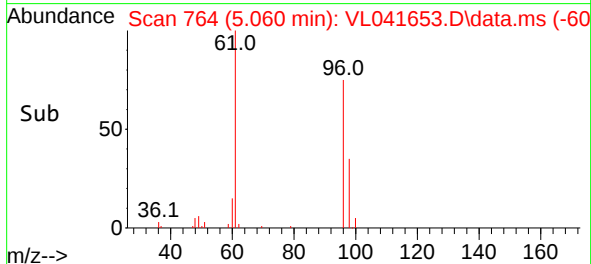
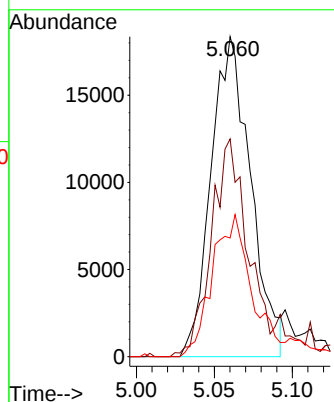
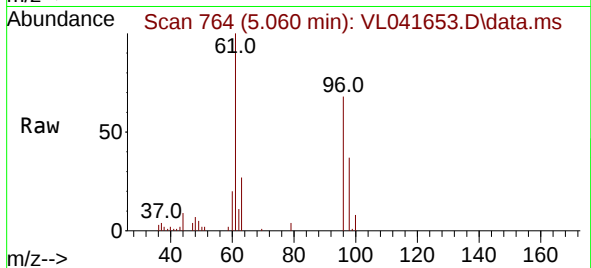




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.364 ppbv  
 RT: 5.060 min Scan# 764  
 Delta R.T. 0.007 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

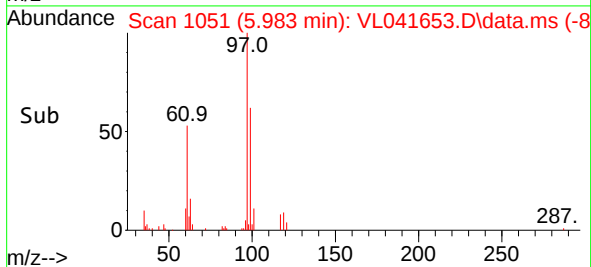
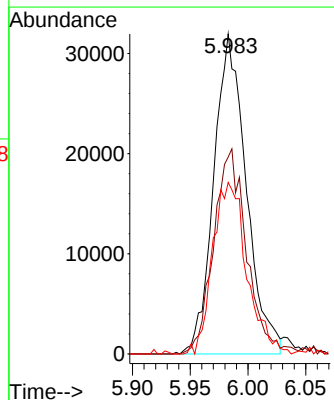
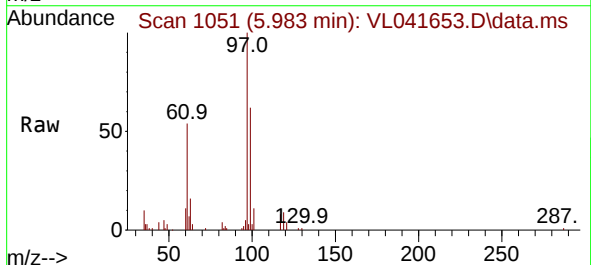
Instrument :  
 MSVOA\_L  
 ClientSampleId :

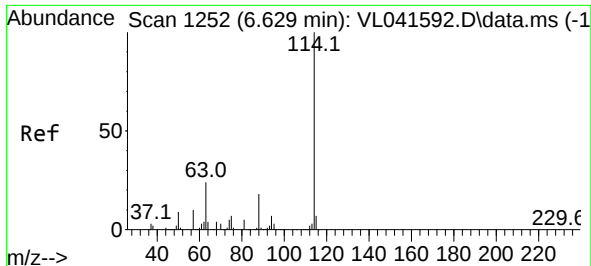
Tgt Ion: 61 Resp: 32443  
 Ion Ratio Lower Upper  
 61 100  
 96 66.9 53.5 80.3  
 98 37.1 33.7 50.5



#32  
 1,1,1-Trichloroethane  
 Concen: 0.455 ppbv  
 RT: 5.983 min Scan# 1051  
 Delta R.T. 0.003 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

Tgt Ion: 97 Resp: 62338  
 Ion Ratio Lower Upper  
 97 100  
 99 66.2 51.0 76.4  
 61 56.5 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.636 min Scan# 114

Delta R.T. 0.007 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

ClientSampleId :

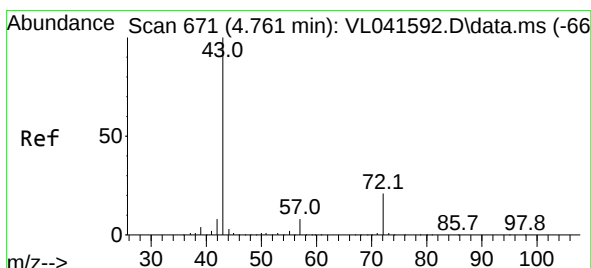
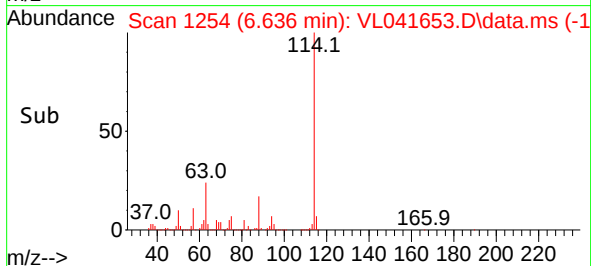
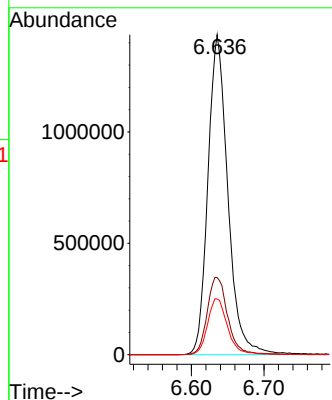
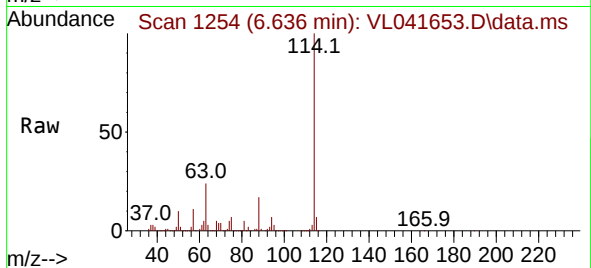
Tgt Ion:114 Resp: 2736150

Ion Ratio Lower Upper

114 100

63 25.1 20.2 30.2

88 17.7 14.2 21.4



#34

2-Butanone

Concen: 0.421 ppbv

RT: 4.784 min Scan# 678

Delta R.T. 0.023 min

Lab File: VL041653.D

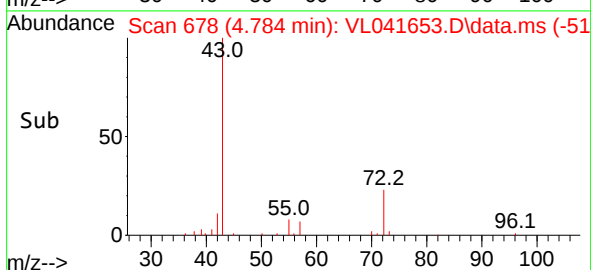
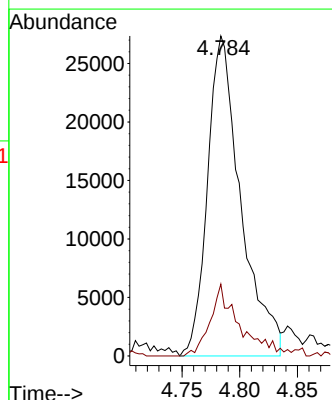
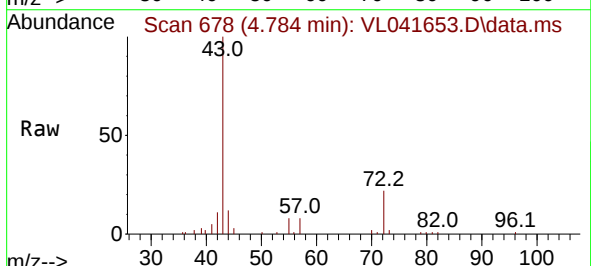
Acq: 10 Oct 2024 22:00

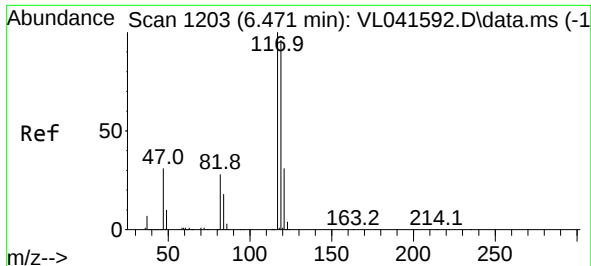
Tgt Ion: 43 Resp: 54959

Ion Ratio Lower Upper

43 100

72 20.8 16.8 25.2

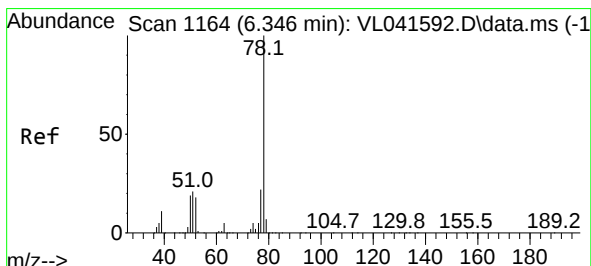
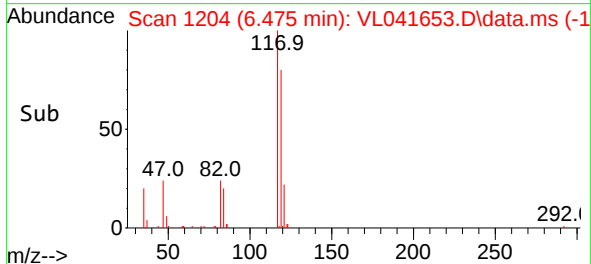
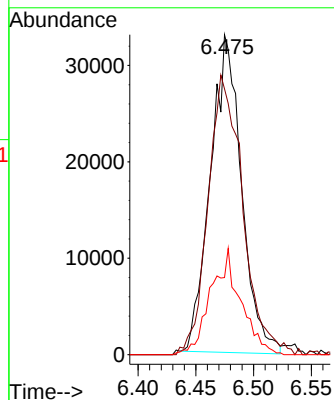
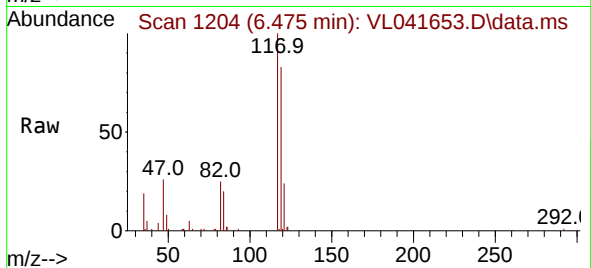




#35  
Carbon Tetrachloride  
Concen: 0.461 ppbv  
RT: 6.475 min Scan# 1166  
Delta R.T. 0.003 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

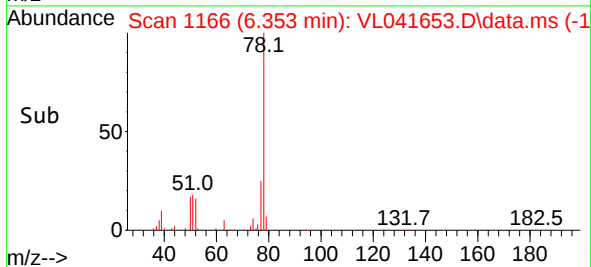
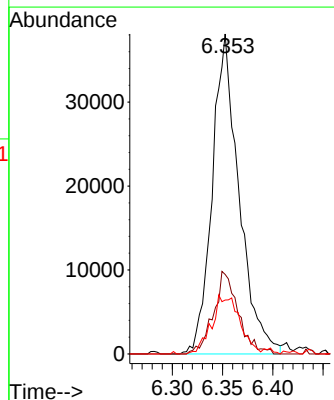
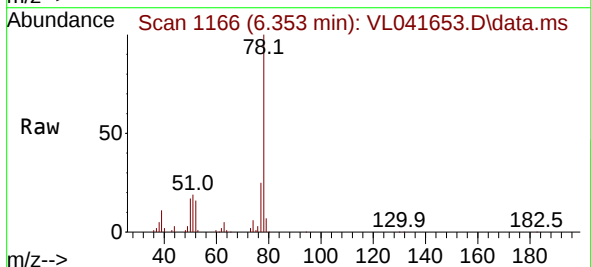
Instrument :  
MSVOA\_L  
ClientSampleId :

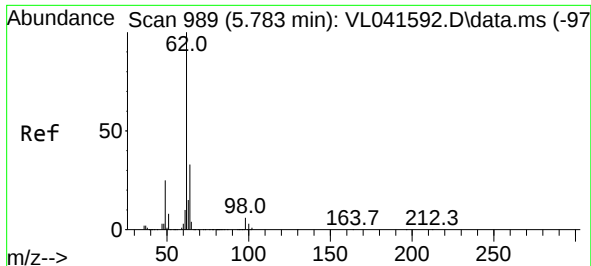
Tgt Ion:117 Resp: 61859  
Ion Ratio Lower Upper  
117 100  
119 81.6 76.8 115.2  
121 23.8 25.0 37.6#



#36  
Benzene  
Concen: 0.372 ppbv  
RT: 6.353 min Scan# 1166  
Delta R.T. 0.007 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion: 78 Resp: 70672  
Ion Ratio Lower Upper  
78 100  
77 24.8 17.8 26.6  
50 16.9 15.4 23.0





#37

1,2-Dichloroethane

Concen: 0.423 ppbv

RT: 5.790 min Scan# 989

Delta R.T. 0.007 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

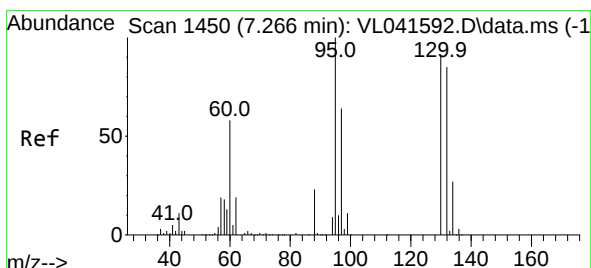
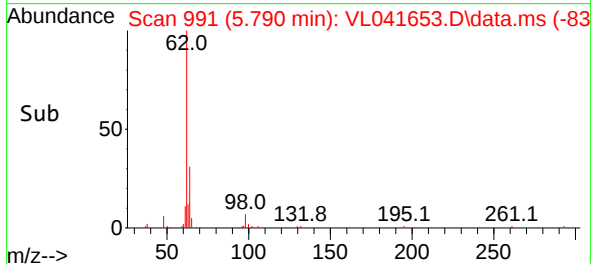
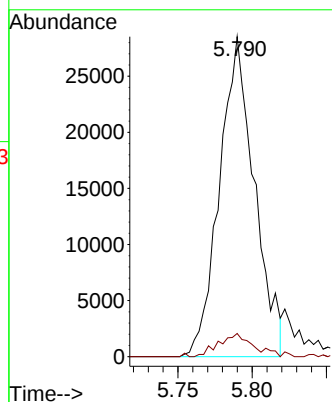
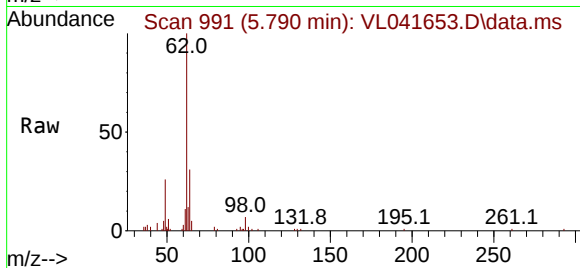
ClientSampleId :

Tgt Ion: 62 Resp: 46623

Ion Ratio Lower Upper

62 100

98 7.4 4.8 7.2#



#38

Trichloroethene

Concen: 0.242 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.003 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Tgt Ion:130 Resp: 23693

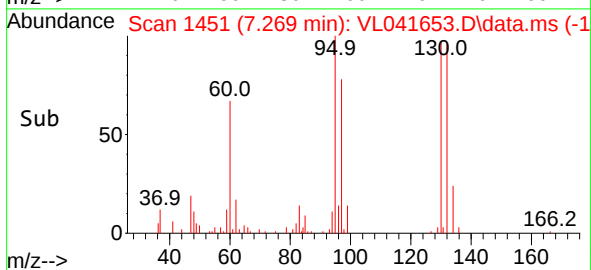
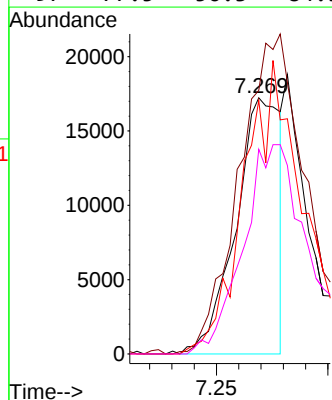
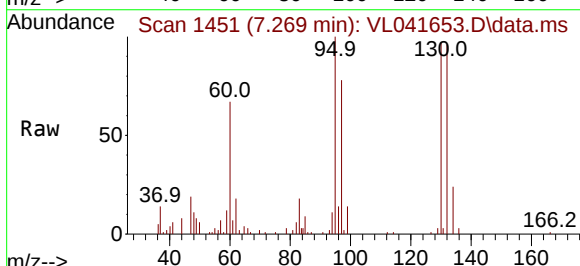
Ion Ratio Lower Upper

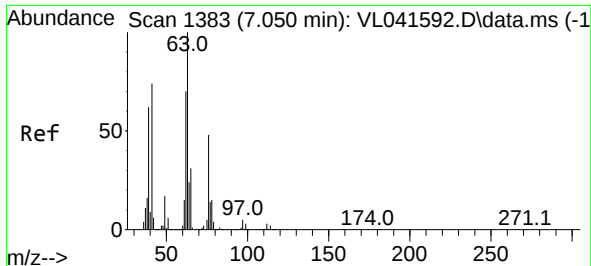
130 100

95 98.9 87.7 131.5

132 96.1 74.5 111.7

97 77.5 56.3 84.5





#39

1,2-Dichloropropane

Concen: 0.387 ppbv

RT: 7.054 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

ClientSampleId :

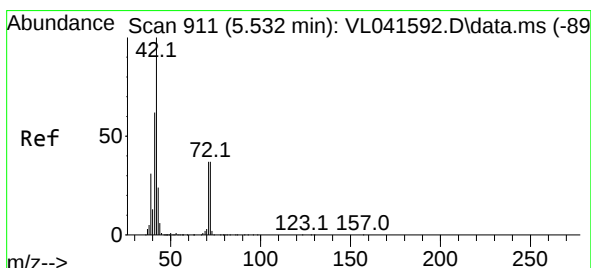
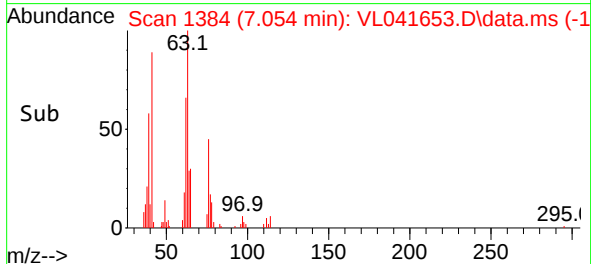
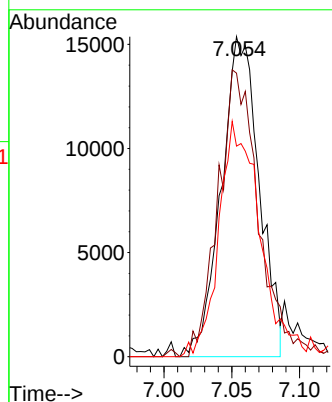
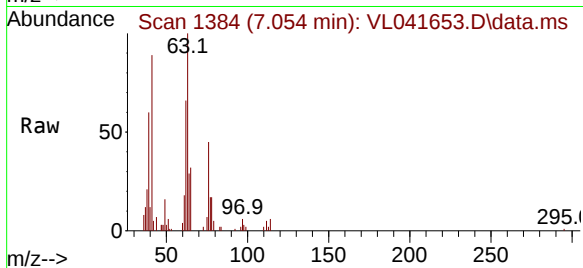
Tgt Ion: 63 Resp: 29934

Ion Ratio Lower Upper

63 100

41 88.6 59.5 89.3

62 65.8 56.2 84.2



#41

Tetrahydrofuran

Concen: 0.089 ppbv

RT: 5.558 min Scan# 919

Delta R.T. 0.026 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

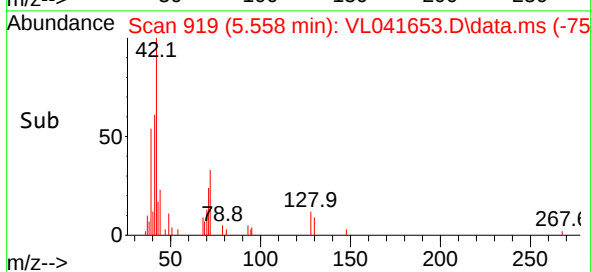
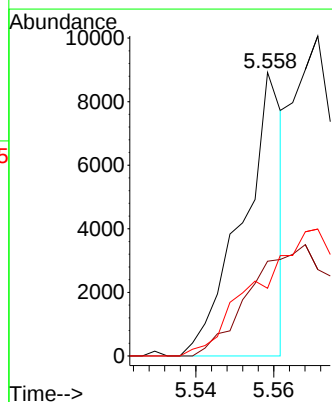
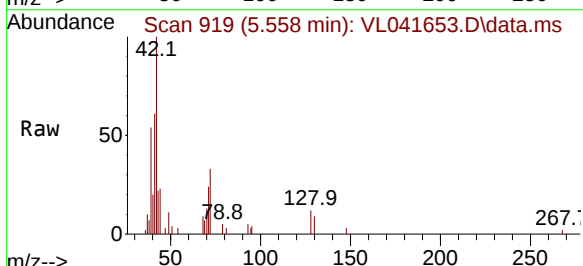
Tgt Ion: 42 Resp: 6358

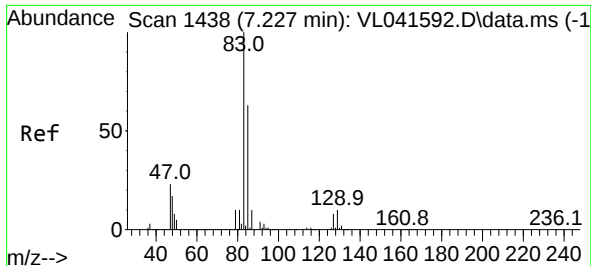
Ion Ratio Lower Upper

42 100

72 0.0 30.2 45.2#

71 0.0 29.6 44.4#

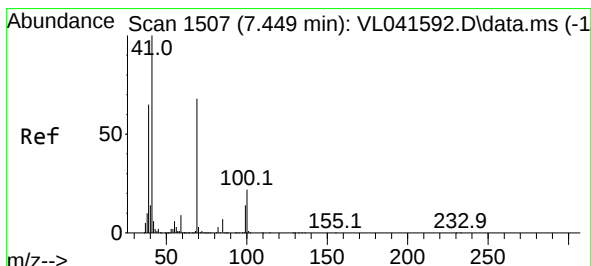
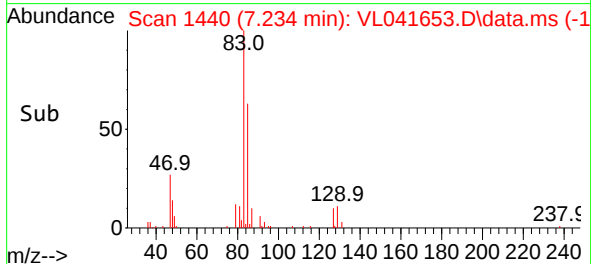
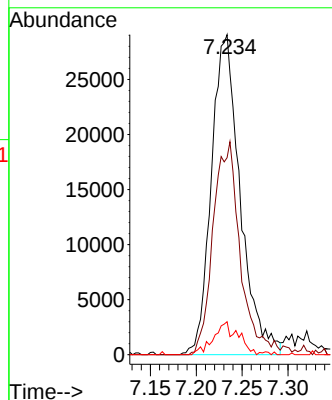
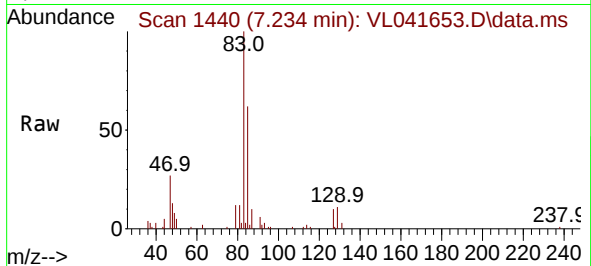




#42  
Bromodichloromethane  
Concen: 0.414 ppbv  
RT: 7.234 min Scan# 1438  
Delta R.T. 0.007 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

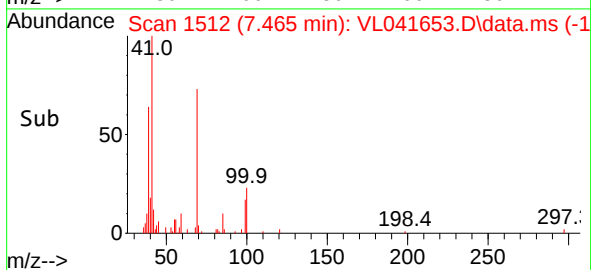
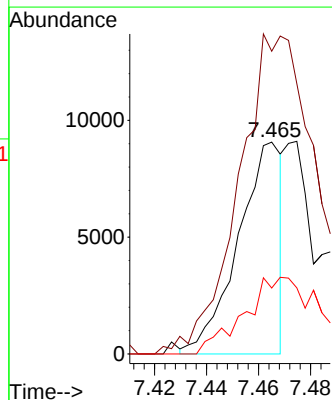
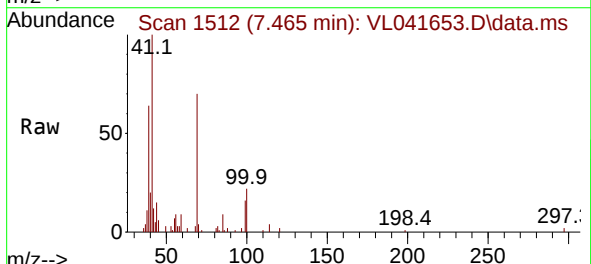
Instrument :  
MSVOA\_L  
ClientSampleId :

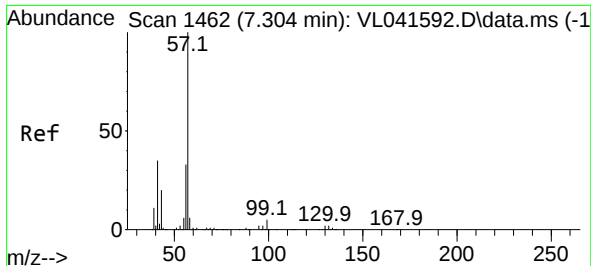
Tgt Ion: 83 Resp: 63535  
Ion Ratio Lower Upper  
83 100  
85 61.5 50.5 75.7  
127 10.3 6.5 9.7#



#43  
Methyl Methacrylate  
Concen: 0.154 ppbv  
RT: 7.465 min Scan# 1512  
Delta R.T. 0.016 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion: 69 Resp: 10490  
Ion Ratio Lower Upper  
69 100  
41 286.0 121.8 182.6#  
100 63.9 26.5 39.7#

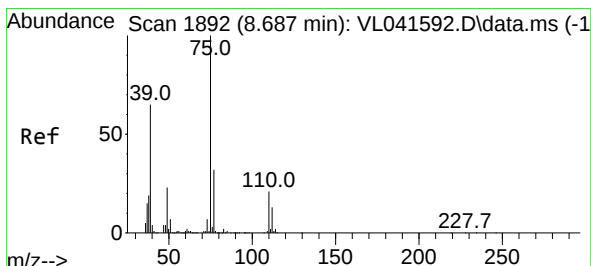
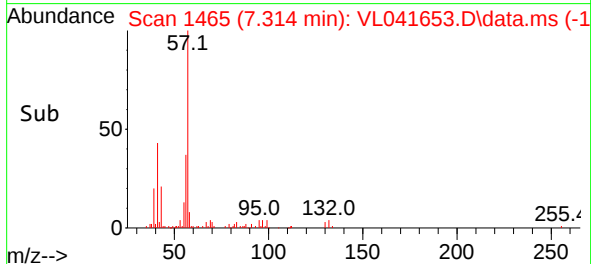
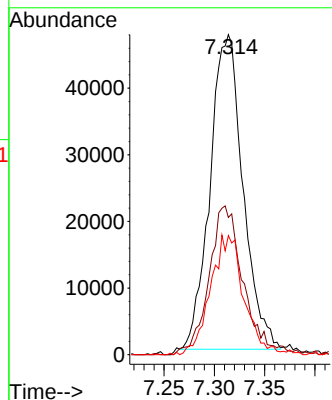
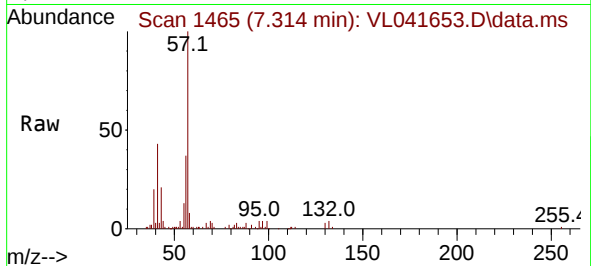




#44  
2,2,4-Trimethylpentane  
Concen: 0.327 ppbv  
RT: 7.314 min Scan# 1465  
Delta R.T. 0.010 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

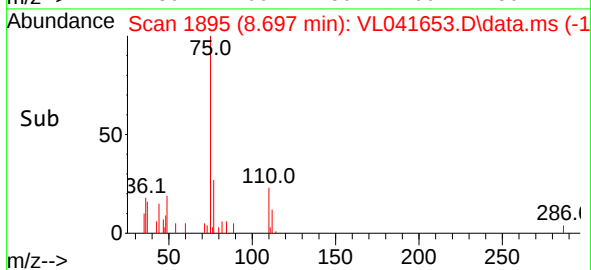
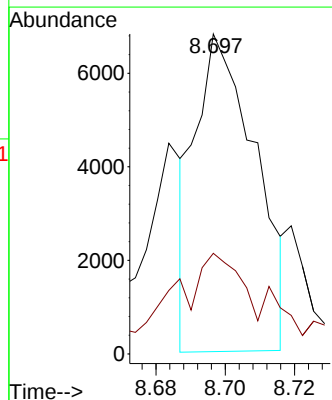
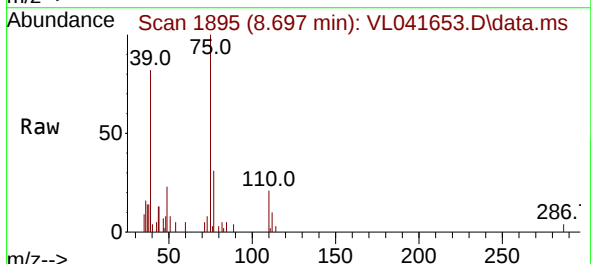
Instrument :  
MSVOA\_L  
ClientSampleId :

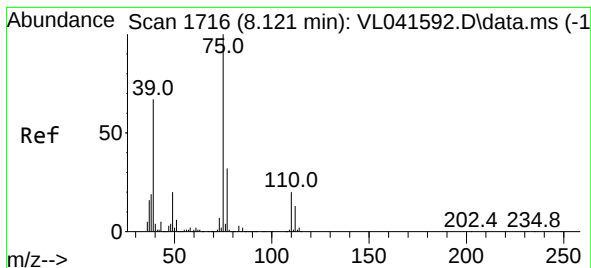
Tgt Ion: 57 Resp: 107516  
Ion Ratio Lower Upper  
57 100  
41 49.4 27.0 40.6#  
56 38.7 25.5 38.3#



#45  
t-1,3-Dichloropropene  
Concen: 0.149 ppbv  
RT: 8.697 min Scan# 1895  
Delta R.T. 0.010 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion: 75 Resp: 8178  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.4 38.0





#46

cis-1,3-Dichloropropene

Concen: 0.289 ppbv

RT: 8.131 min Scan# 1716

Delta R.T. 0.010 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

ClientSampleId :

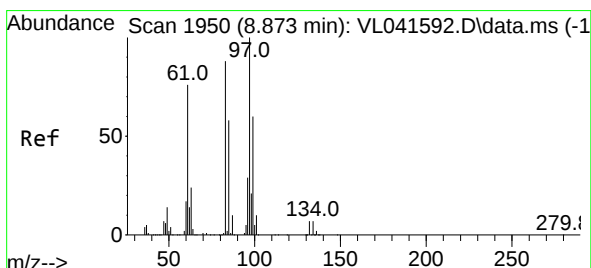
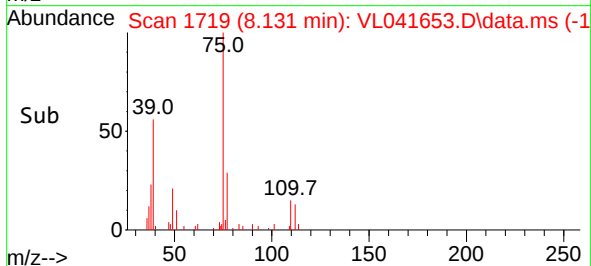
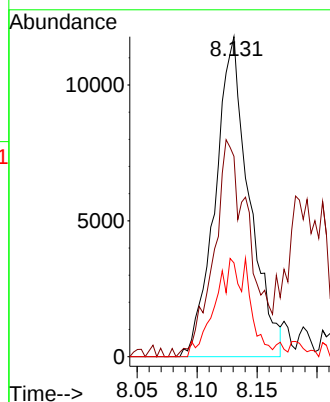
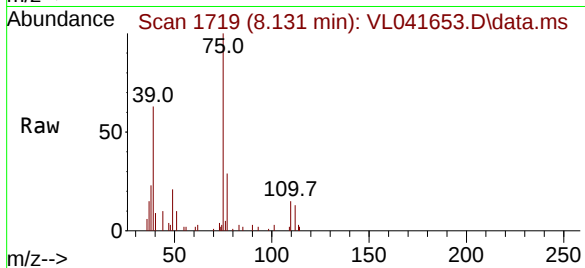
Tgt Ion: 75 Resp: 23203

Ion Ratio Lower Upper

75 100

39 61.2 54.0 81.0

77 29.3 25.2 37.8



#47

1,1,2-Trichloroethane

Concen: 0.432 ppbv

RT: 8.883 min Scan# 1953

Delta R.T. 0.010 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Tgt Ion: 97 Resp: 35470

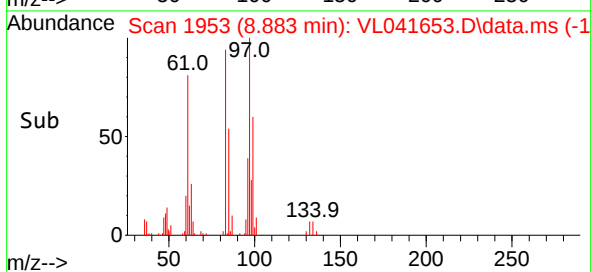
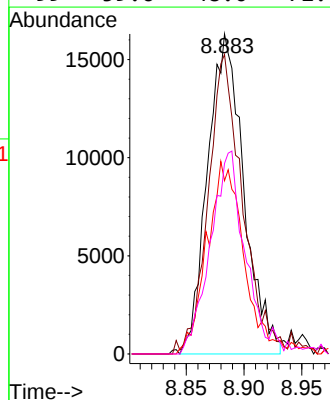
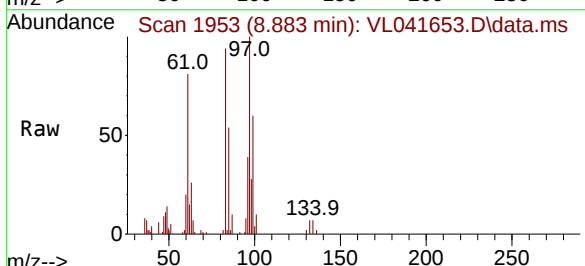
Ion Ratio Lower Upper

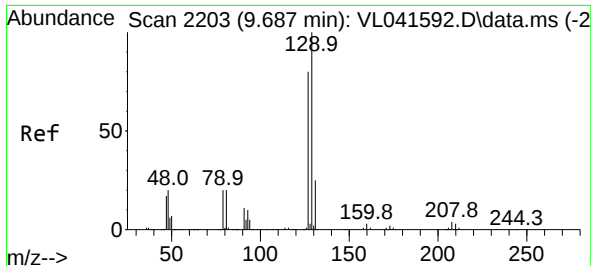
97 100

83 92.4 70.2 105.4

85 52.5 46.3 69.5

99 59.6 48.0 72.0

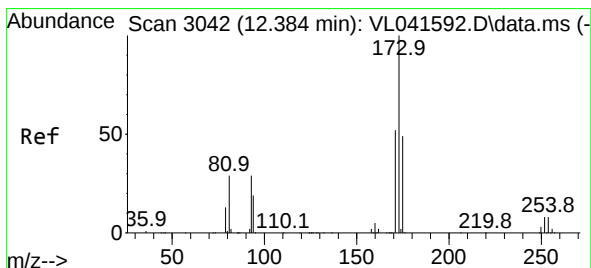
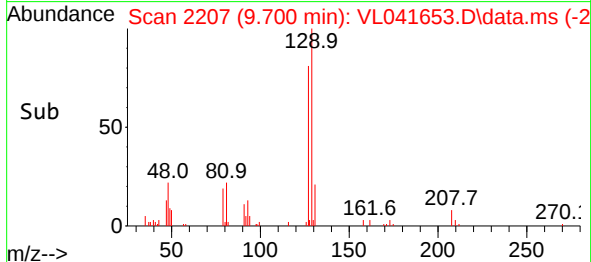
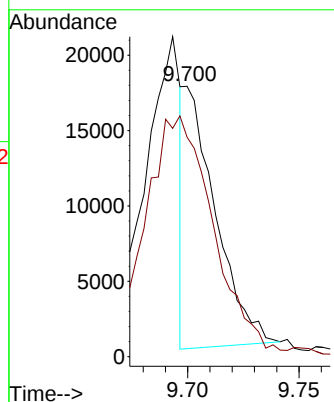
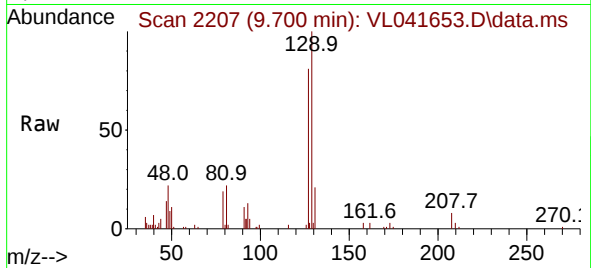




#48  
 Dibromochloromethane  
 Concen: 0.136 ppbv  
 RT: 9.700 min Scan# 21  
 Delta R.T. 0.013 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

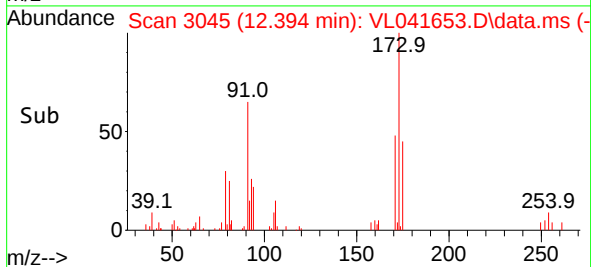
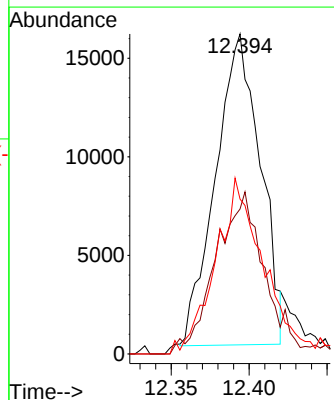
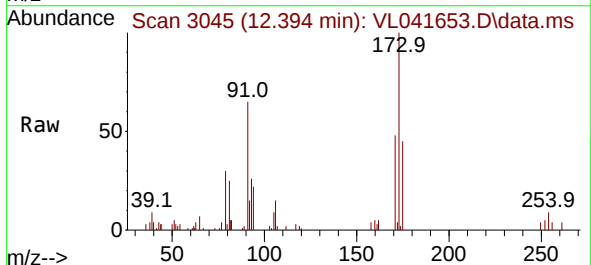
Instrument :  
 MSVOA\_L  
 ClientSampleId :

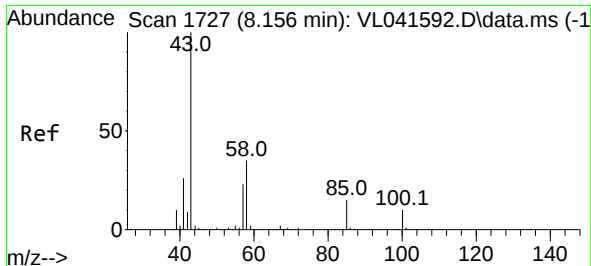
Tgt Ion:129 Resp: 16975  
 Ion Ratio Lower Upper  
 129 100  
 127 206.5 39.3 117.9#



#49  
 Bromoform  
 Concen: 0.295 ppbv  
 RT: 12.394 min Scan# 3045  
 Delta R.T. 0.010 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

Tgt Ion:173 Resp: 31515  
 Ion Ratio Lower Upper  
 173 100  
 175 57.4 40.1 60.1  
 171 61.4 42.2 63.4





#50

4-Methyl-2-Pentanone

Concen: 0.258 ppbv

RT: 8.192 min Scan# 1

Delta R.T. 0.036 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

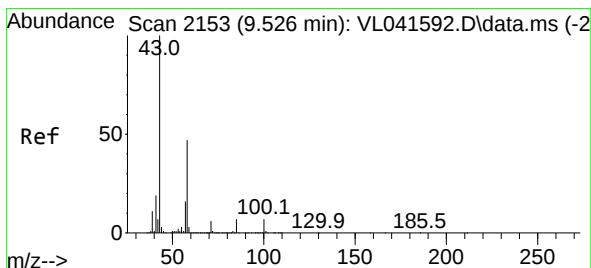
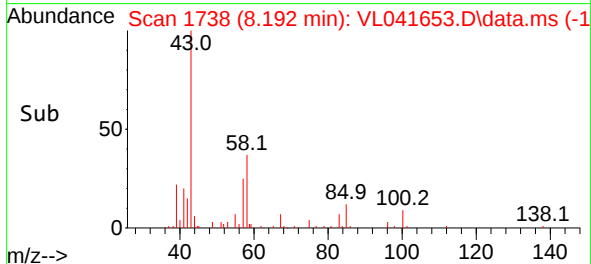
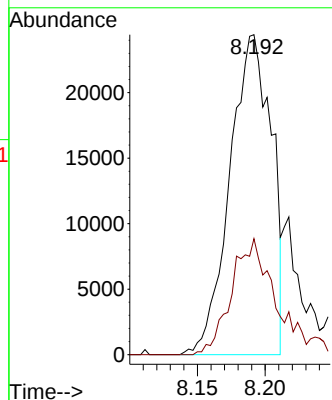
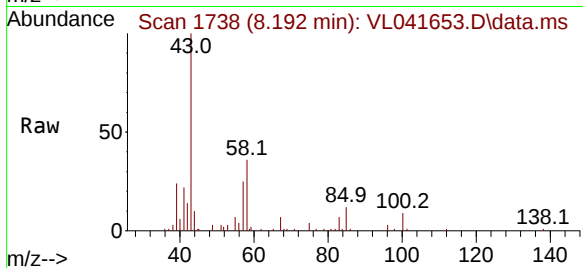
ClientSampleId :

Tgt Ion: 43 Resp: 52079

Ion Ratio Lower Upper

43 100

58 40.1 27.8 41.8



#51

2-Hexanone

Concen: 0.063 ppbv

RT: 9.552 min Scan# 2161

Delta R.T. 0.026 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

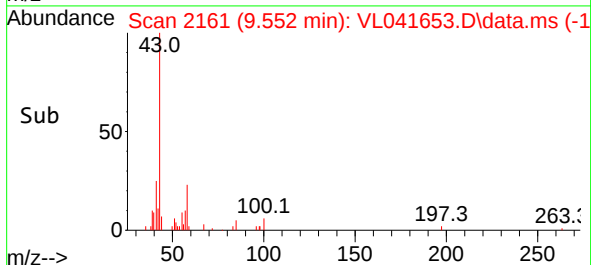
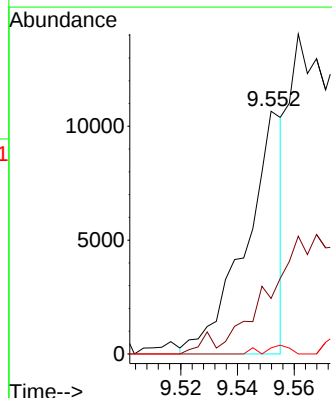
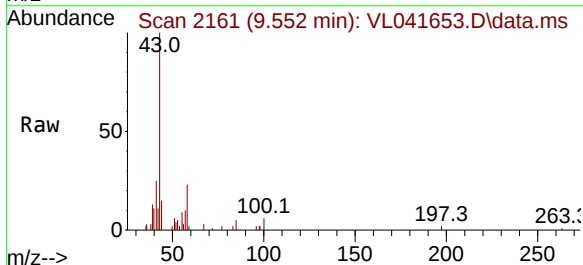
Tgt Ion: 43 Resp: 9667

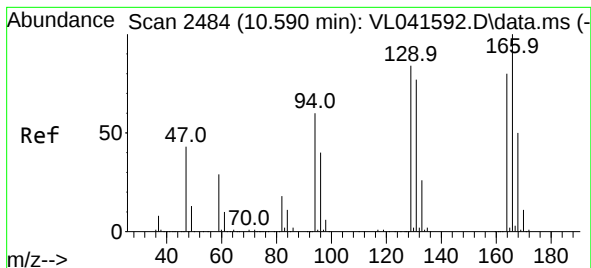
Ion Ratio Lower Upper

43 100

58 0.0 37.2 55.8#

98 0.0 0.5 0.7#





#52

Tetrachloroethene

Concen: 0.372 ppbv

RT: 10.603 min Scan# 2488

Delta R.T. 0.013 min

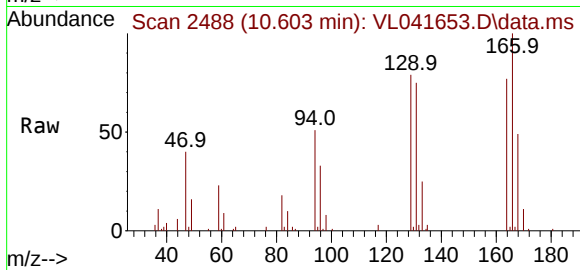
Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion:164 Resp: 25588

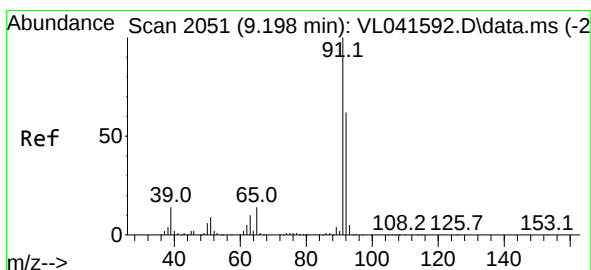
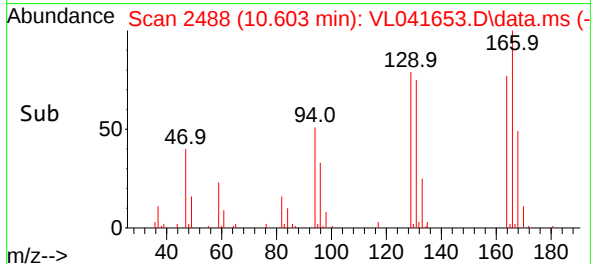
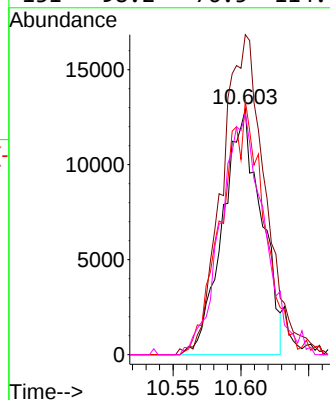
Ion Ratio Lower Upper

164 100

166 128.0 99.4 149.2

129 103.5 83.5 125.3

131 98.2 76.5 114.7



#53

Toluene

Concen: 0.276 ppbv

RT: 9.208 min Scan# 2054

Delta R.T. 0.010 min

Lab File: VL041653.D

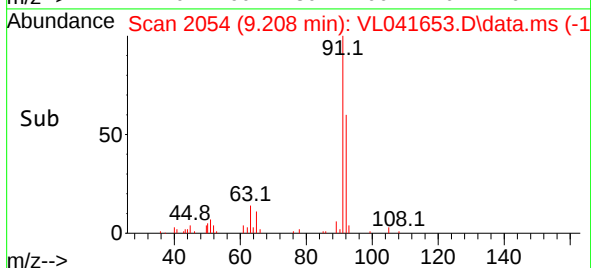
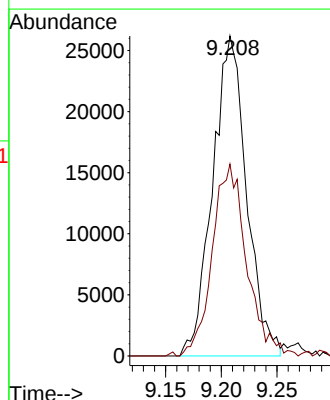
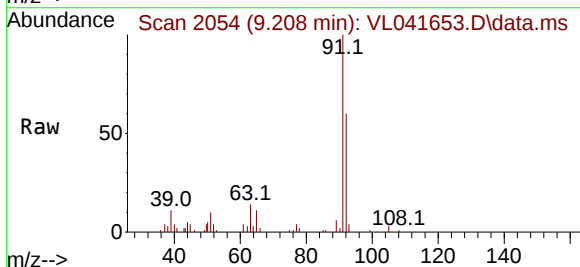
Acq: 10 Oct 2024 22:00

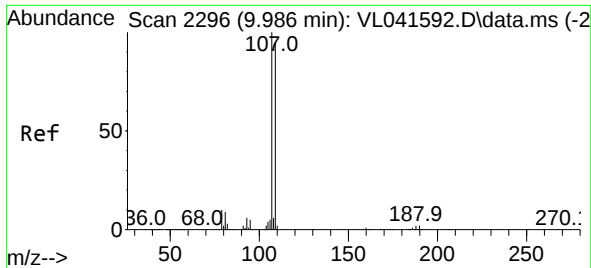
Tgt Ion: 91 Resp: 55629

Ion Ratio Lower Upper

91 100

92 61.6 48.9 73.3

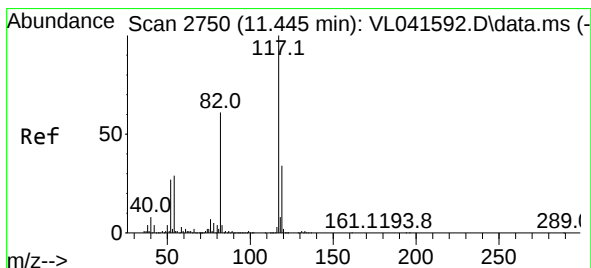
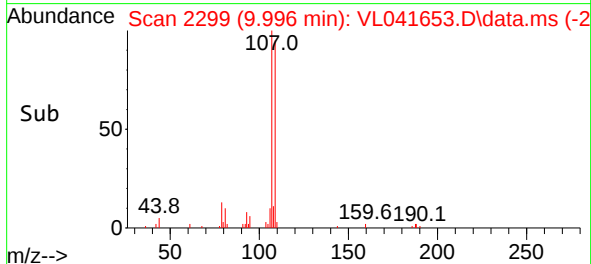
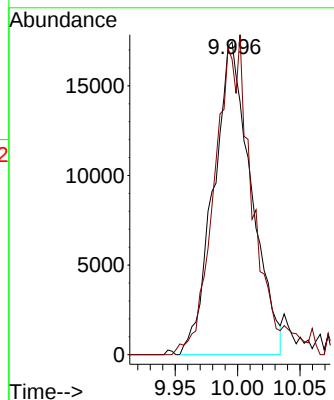
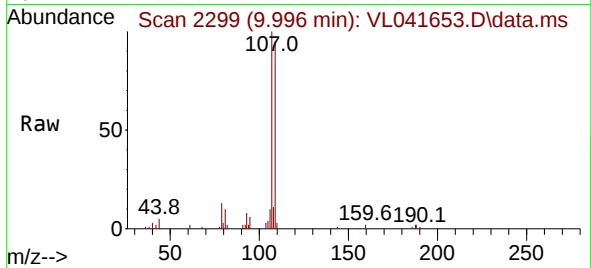




#54  
1,2-Dibromoethane  
Concen: 0.364 ppbv  
RT: 9.996 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

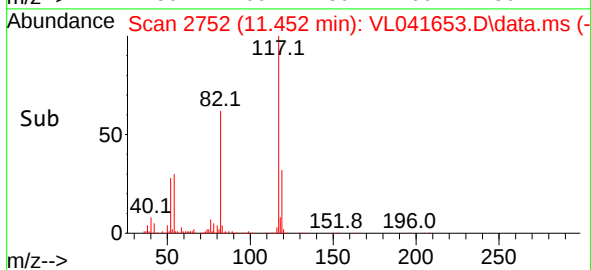
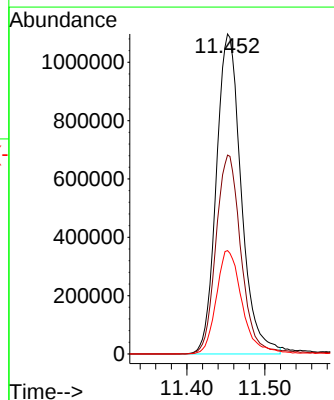
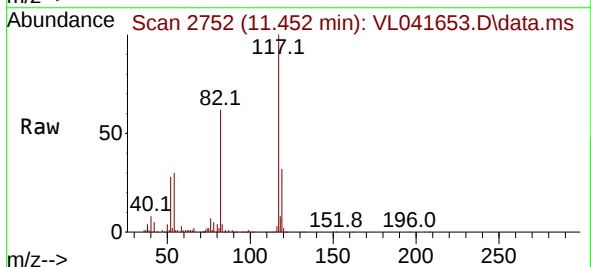
Instrument :  
MSVOA\_L  
ClientSampleId :

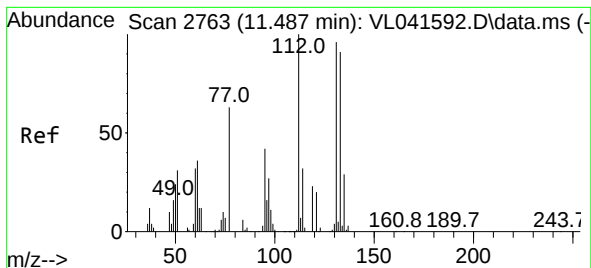
Tgt Ion:107 Resp: 36766  
Ion Ratio Lower Upper  
107 100  
109 91.1 75.7 113.5



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.452 min Scan# 2752  
Delta R.T. 0.007 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion:117 Resp: 2438203  
Ion Ratio Lower Upper  
117 100  
82 63.7 49.4 74.2  
119 33.9 24.4 36.6

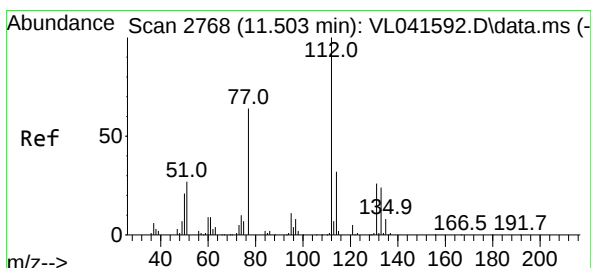
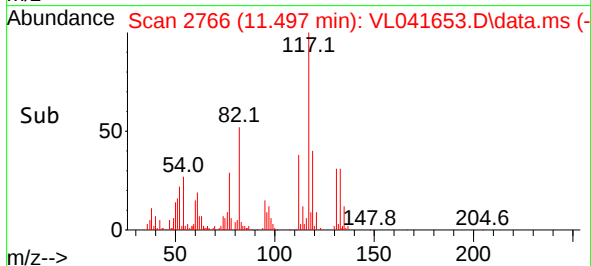
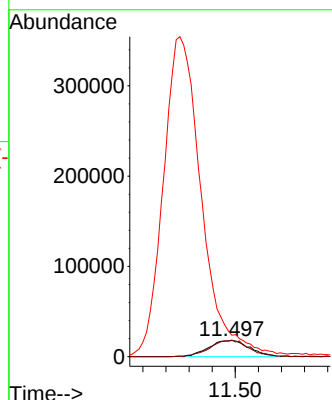
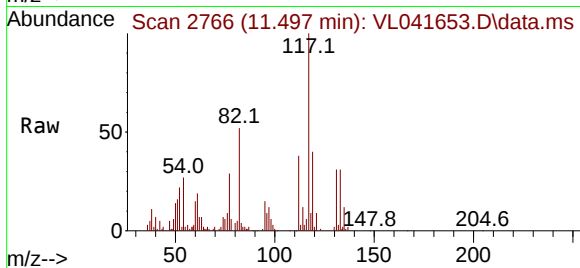




#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.462 ppbv  
RT: 11.497 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

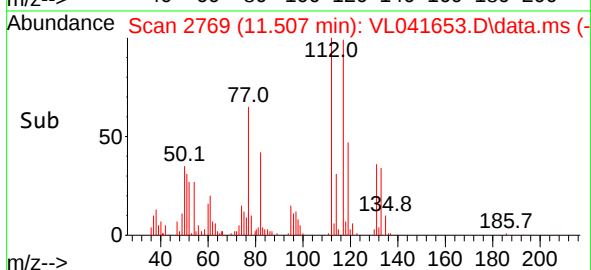
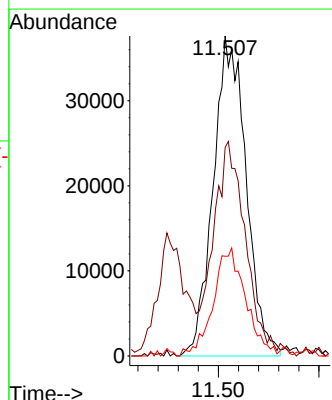
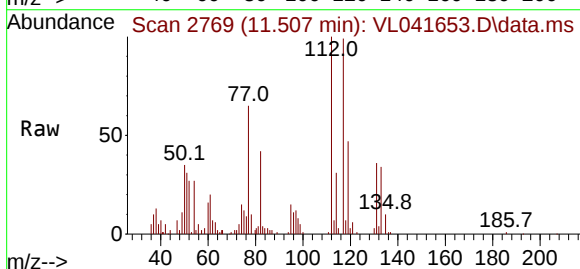
Instrument :  
MSVOA\_L  
ClientSampleId :

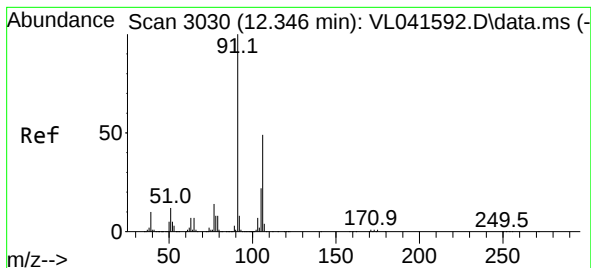
Tgt Ion:131 Resp: 43988  
Ion Ratio Lower Upper  
131 100  
133 97.7 76.6 115.0  
119 1878.9 48.5 72.7#



#57  
Chlorobenzene  
Concen: 0.485 ppbv  
RT: 11.507 min Scan# 2769  
Delta R.T. 0.003 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion:112 Resp: 85252  
Ion Ratio Lower Upper  
112 100  
77 61.3 52.0 78.0  
114 31.2 28.6 35.0





#59

m/p-Xylene

Concen: 0.119 ppbv

RT: 12.356 min Scan# 3030

Delta R.T. 0.010 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

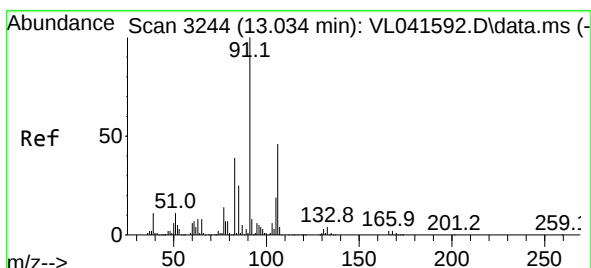
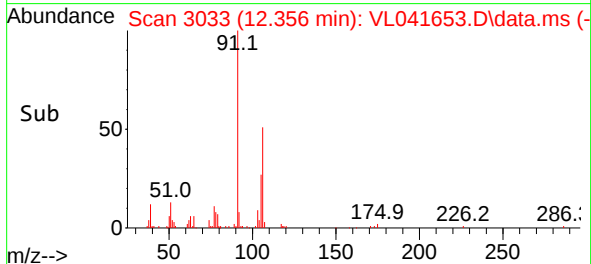
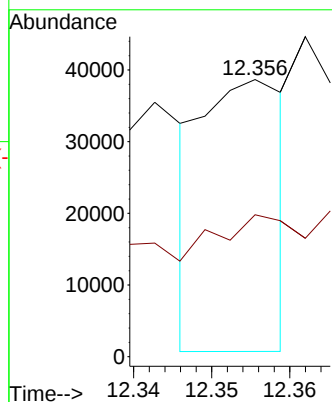
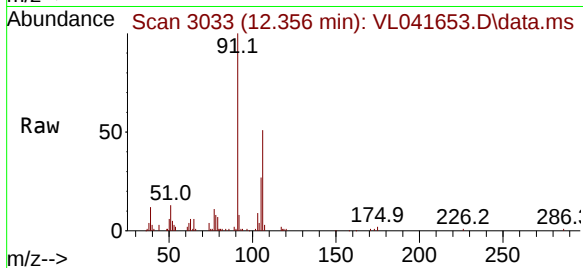
ClientSampleId :

Tgt Ion: 91 Resp: 27627

Ion Ratio Lower Upper

91 100

106 0.0 36.8 55.2#



#60

o-Xylene

Concen: 0.295 ppbv

RT: 13.047 min Scan# 3248

Delta R.T. 0.013 min

Lab File: VL041653.D

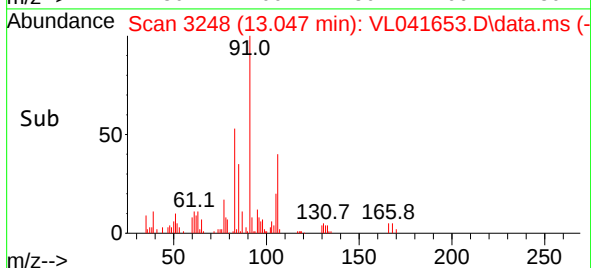
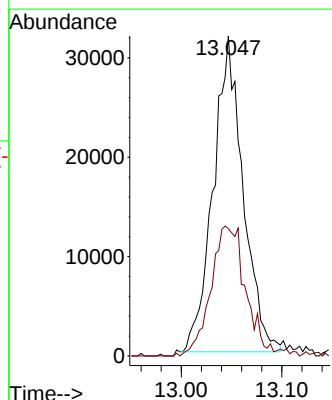
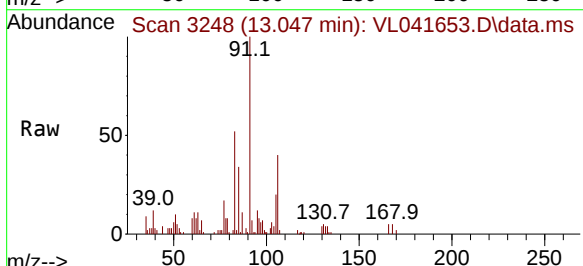
Acq: 10 Oct 2024 22:00

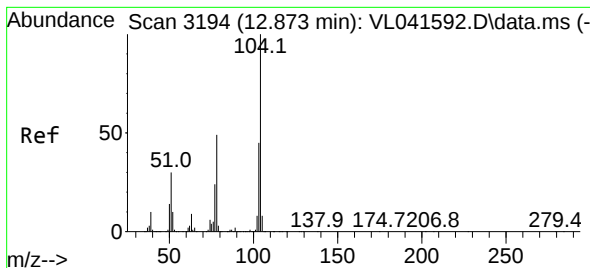
Tgt Ion: 91 Resp: 65624

Ion Ratio Lower Upper

91 100

106 49.1 23.1 69.3





#61

Styrene

Concen: 0.051 ppbv

RT: 12.880 min Scan# 3194

Delta R.T. 0.007 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

ClientSampleId :

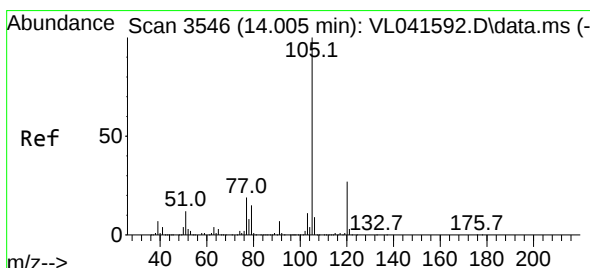
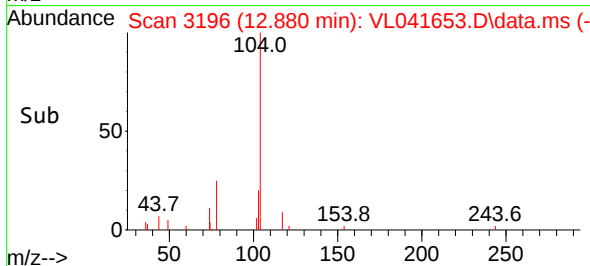
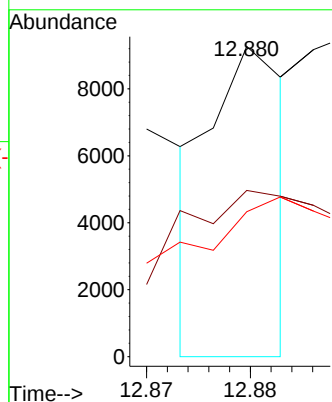
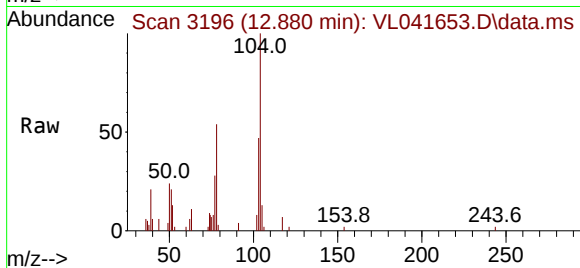
Tgt Ion:104 Resp: 4718

Ion Ratio Lower Upper

104 100

78 260.4 39.8 59.6#

103 229.8 37.4 56.0#



#62

Isopropylbenzene

Concen: 0.163 ppbv

RT: 14.011 min Scan# 3548

Delta R.T. 0.007 min

Lab File: VL041653.D

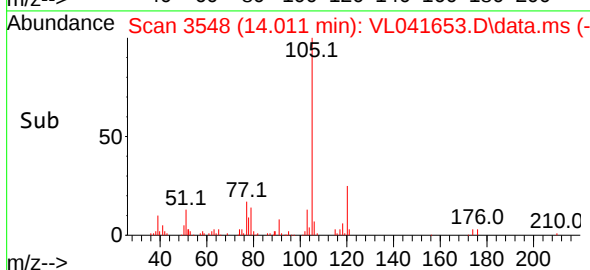
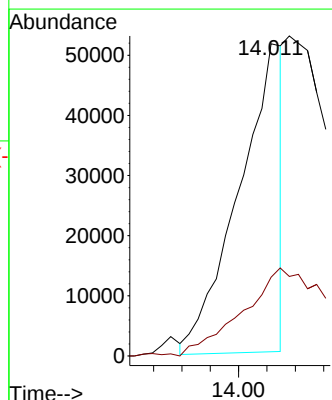
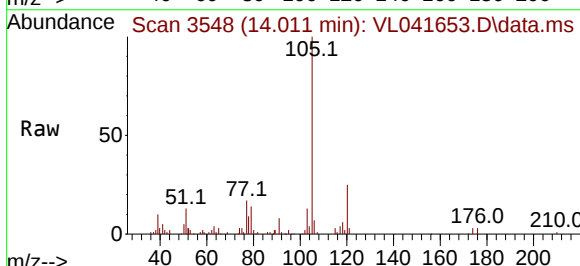
Acq: 10 Oct 2024 22:00

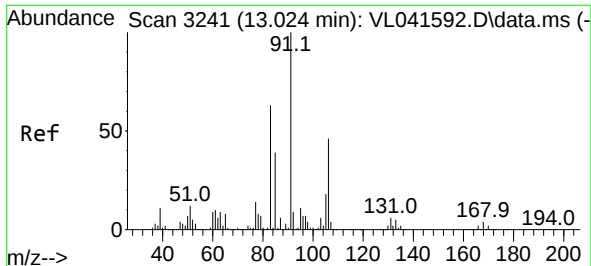
Tgt Ion:105 Resp: 54892

Ion Ratio Lower Upper

105 100

120 0.0 20.9 31.3#

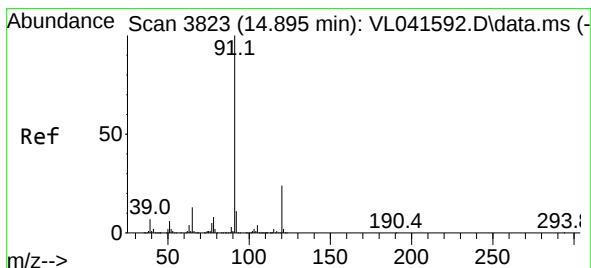
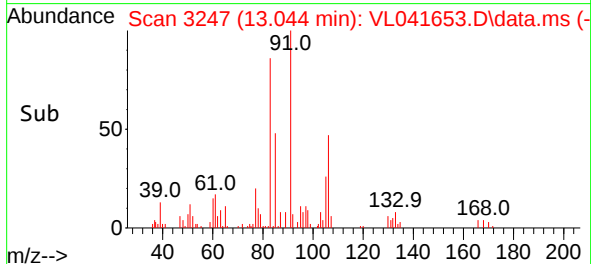
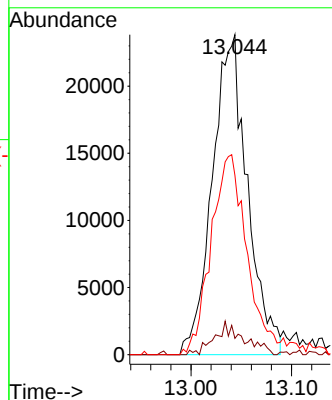
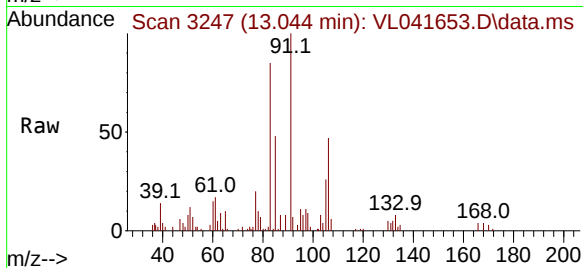




#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.507 ppbv  
RT: 13.044 min Scan# 31  
Delta R.T. 0.020 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

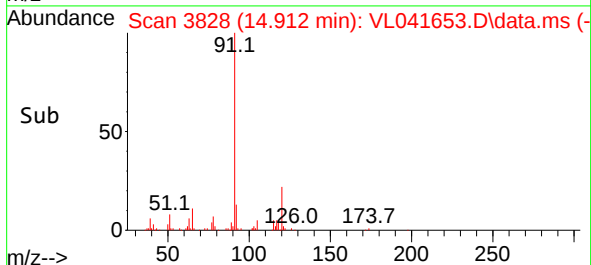
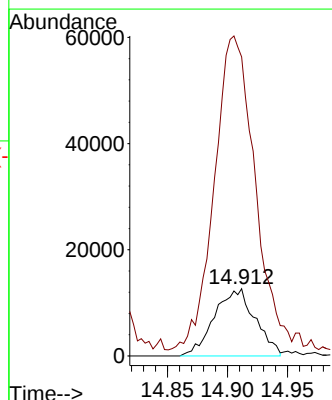
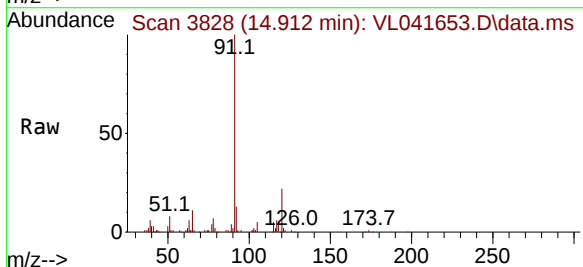
Instrument :  
MSVOA\_L  
ClientSampleId :

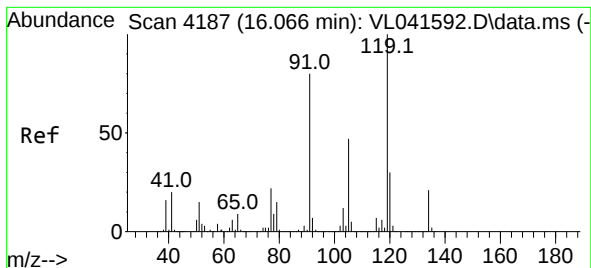
Tgt Ion: 83 Resp: 57698  
Ion Ratio Lower Upper  
83 100  
131 8.6 4.8 14.4  
85 67.6 32.5 97.4



#64  
n-propylbenzene  
Concen: 0.343 ppbv  
RT: 14.912 min Scan# 3828  
Delta R.T. 0.016 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion: 120 Resp: 29914  
Ion Ratio Lower Upper  
120 100  
91 487.8 366.4 549.6





#65

tert-Butylbenzene

Concen: 0.340 ppbv

RT: 16.085 min Scan# 41

Delta R.T. 0.020 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

ClientSampleId :

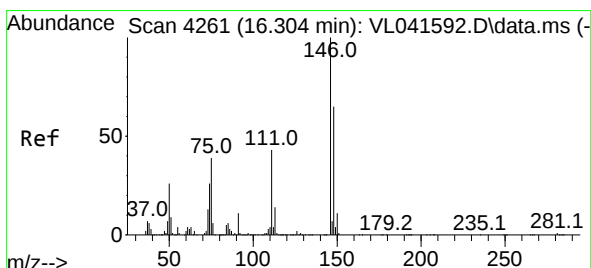
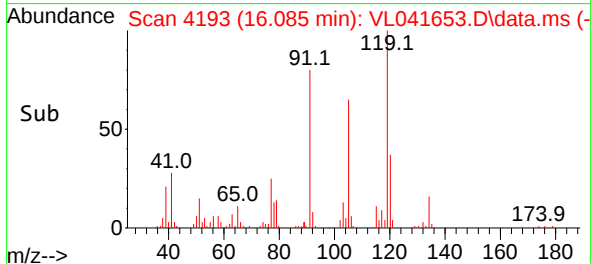
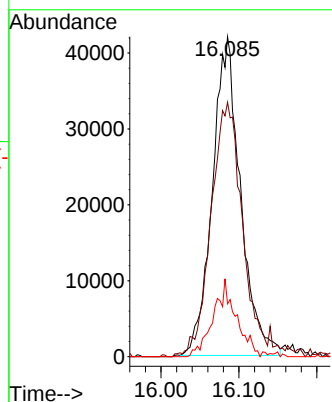
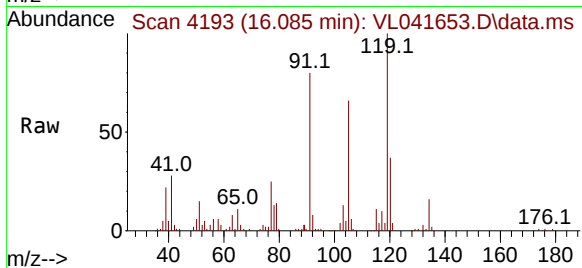
Tgt Ion:119 Resp: 105163

Ion Ratio Lower Upper

119 100

91 91.4 64.6 96.8

134 20.5 15.8 23.8



#66

Benzyl Chloride

Concen: 0.127 ppbv

RT: 16.317 min Scan# 4265

Delta R.T. 0.013 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

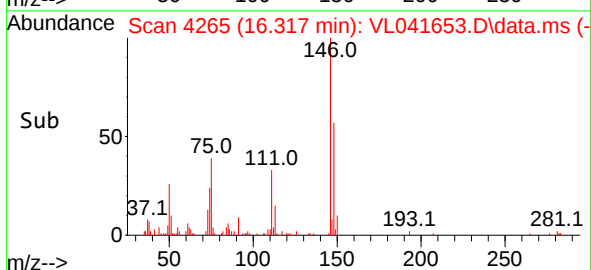
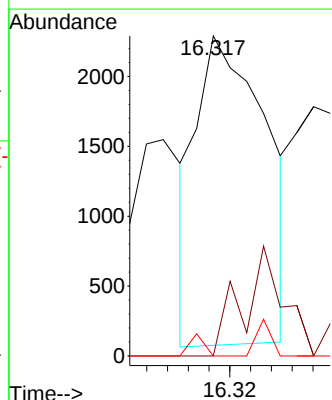
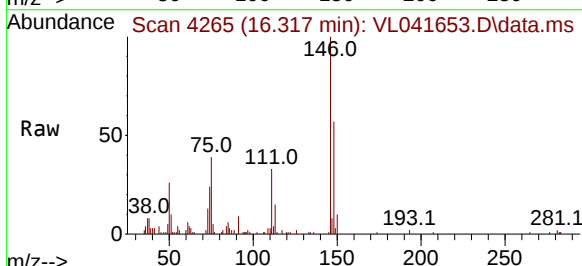
Tgt Ion: 91 Resp: 2048

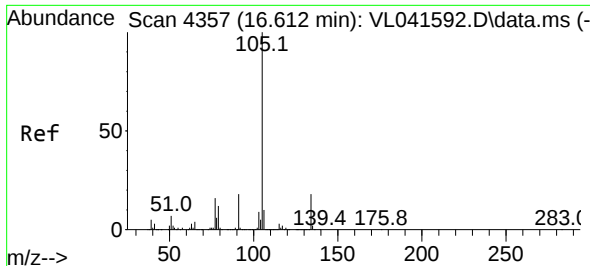
Ion Ratio Lower Upper

91 100

126 0.0 15.4 23.2#

128 0.0 4.8 7.2#

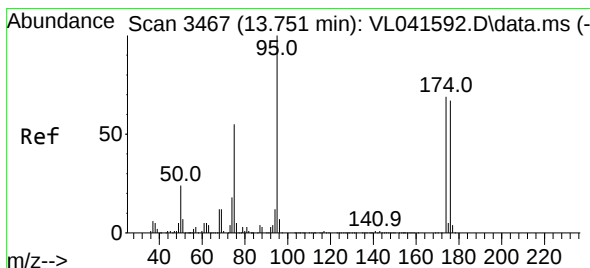
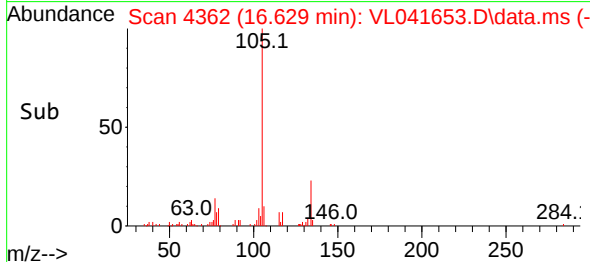
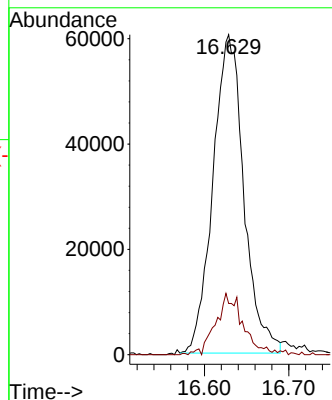
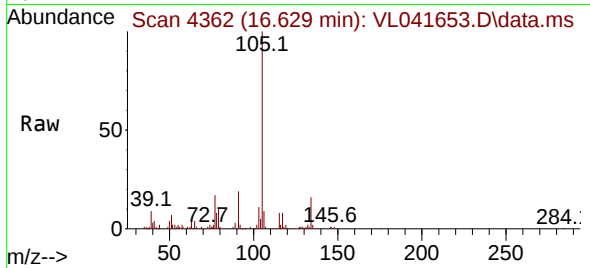




#67  
 sec-Butylbenzene  
 Concen: 0.358 ppbv  
 RT: 16.629 min Scan# 41  
 Delta R.T. 0.016 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

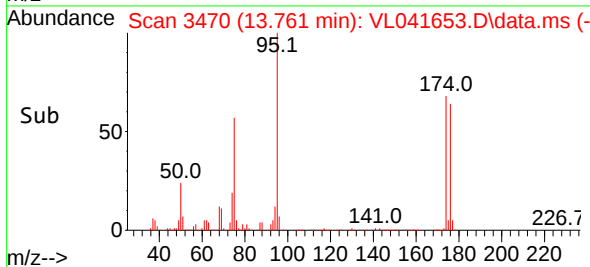
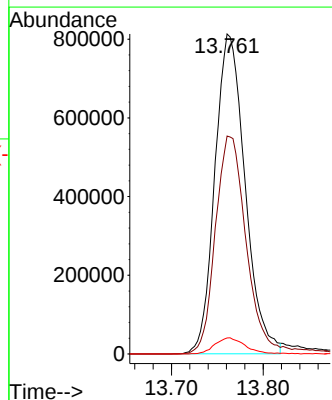
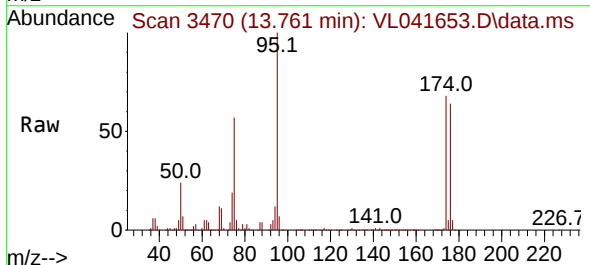
Instrument :  
 MSVOA\_L  
 ClientSampleId :

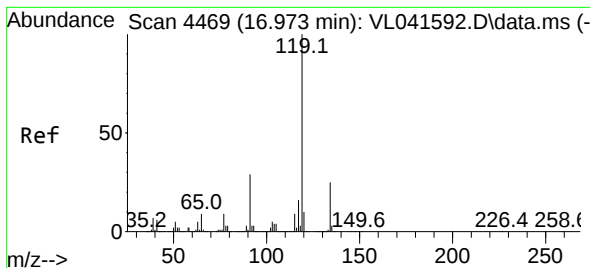
Tgt Ion:105 Resp: 153767  
 Ion Ratio Lower Upper  
 105 100  
 134 17.3 14.6 21.8



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.361 ppbv  
 RT: 13.761 min Scan# 3470  
 Delta R.T. 0.010 min  
 Lab File: VL041653.D  
 Acq: 10 Oct 2024 22:00

Tgt Ion: 95 Resp: 1859606  
 Ion Ratio Lower Upper  
 95 100  
 174 72.0 55.8 83.8  
 175 5.2 4.1 6.1





#69

p-Isopropyltoluene

Concen: 0.307 ppbv

RT: 16.989 min Scan# 4469

Delta R.T. 0.016 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

ClientSampleId :

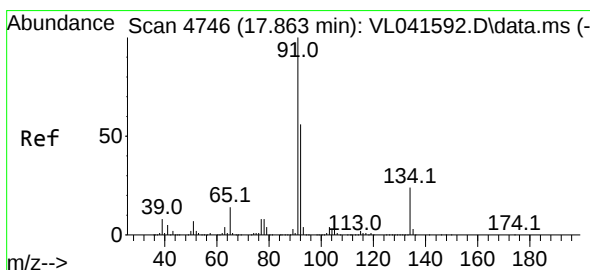
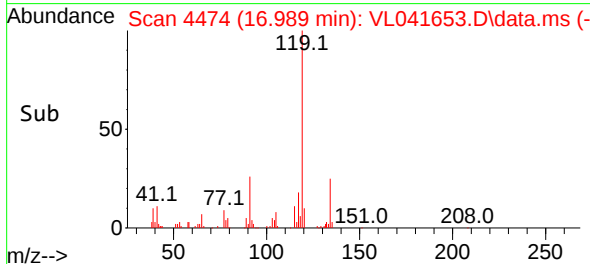
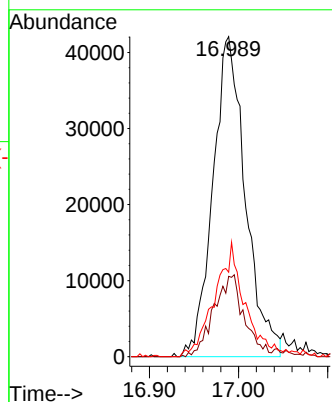
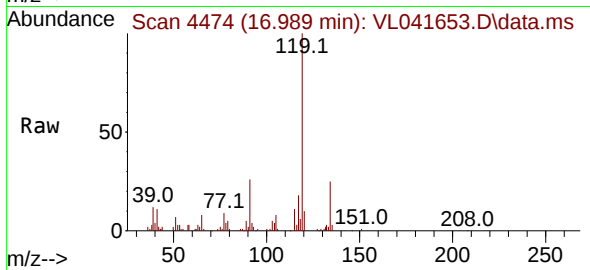
Tgt Ion:119 Resp: 106643

Ion Ratio Lower Upper

119 100

134 25.3 20.5 30.7

91 34.2 23.1 34.7



#70

n-Butylbenzene

Concen: 0.137 ppbv

RT: 17.876 min Scan# 4750

Delta R.T. 0.013 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

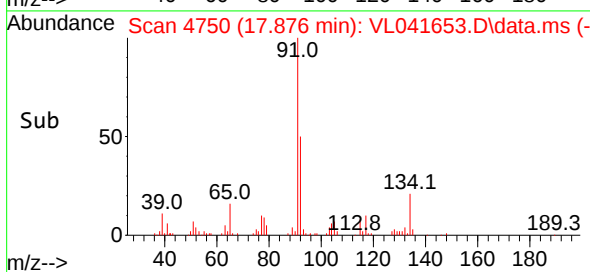
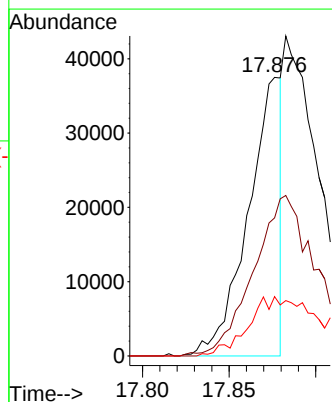
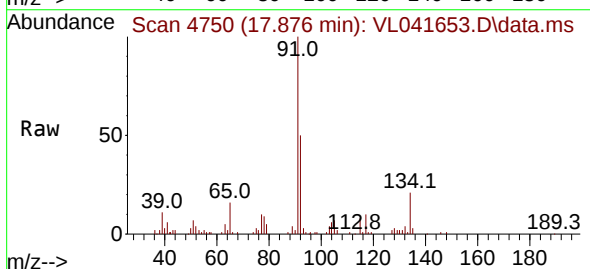
Tgt Ion: 91 Resp: 49920

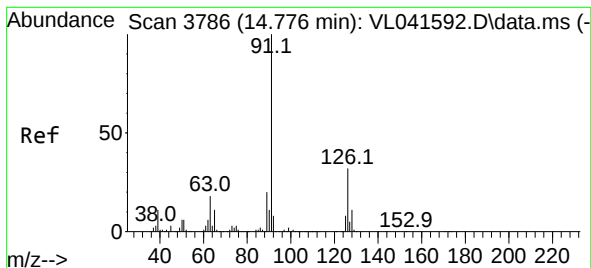
Ion Ratio Lower Upper

91 100

92 0.0 43.2 64.8#

134 48.5 18.6 27.8#





#71

2-Chlorotoluene

Concen: 0.323 ppbv

RT: 14.790 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

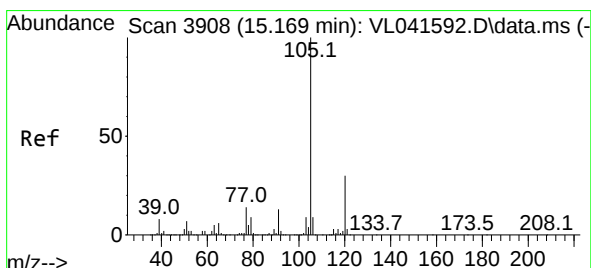
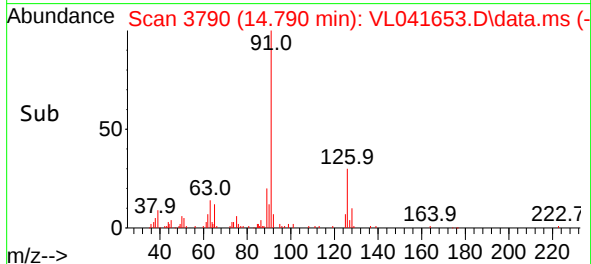
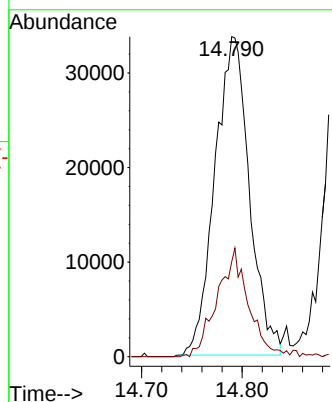
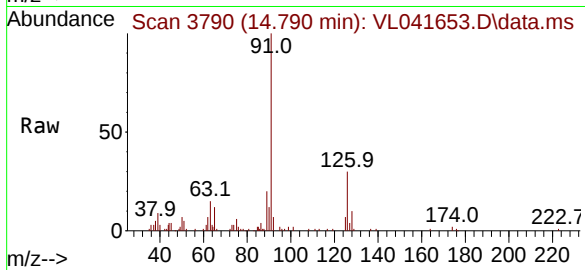
ClientSampleId :

Tgt Ion: 91 Resp: 80291

Ion Ratio Lower Upper

91 100

126 31.5 12.9 51.5



#72

4-Ethyltoluene

Concen: 0.276 ppbv

RT: 15.182 min Scan# 3912

Delta R.T. 0.013 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Tgt Ion:105 Resp: 71927

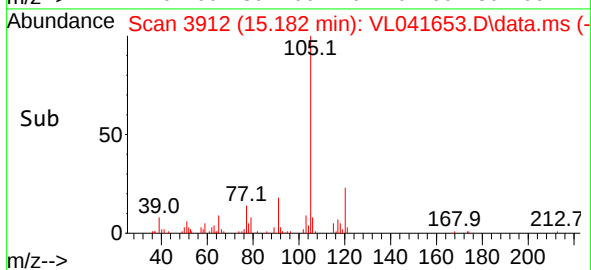
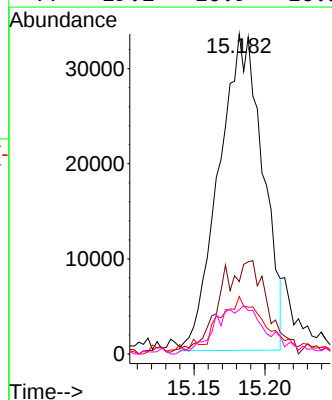
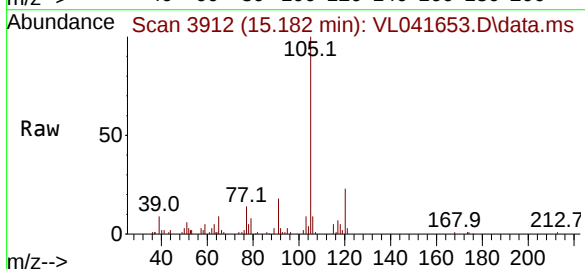
Ion Ratio Lower Upper

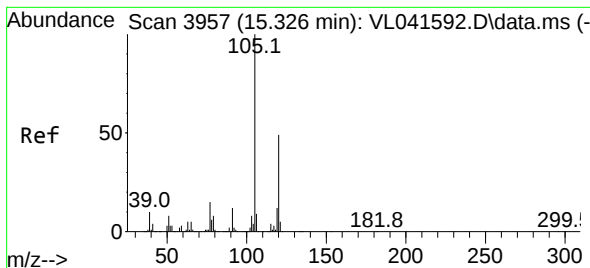
105 100

120 35.0 24.1 36.1

91 23.2 10.2 15.2#

77 19.2 10.9 16.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.297 ppbv

RT: 15.339 min Scan# 3957

Delta R.T. 0.013 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

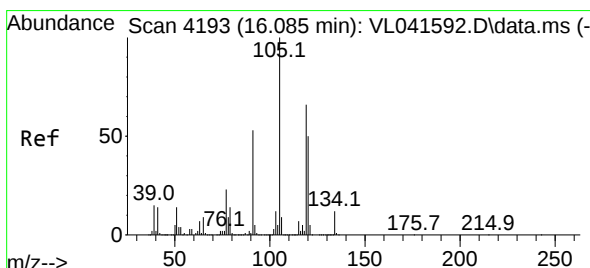
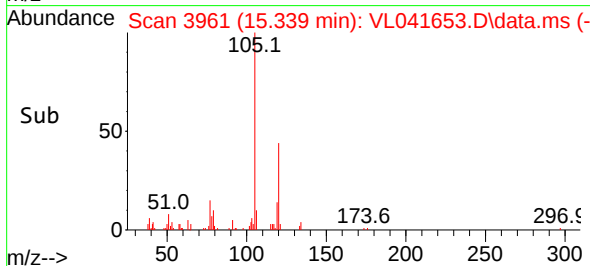
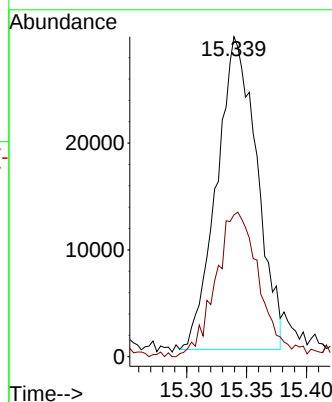
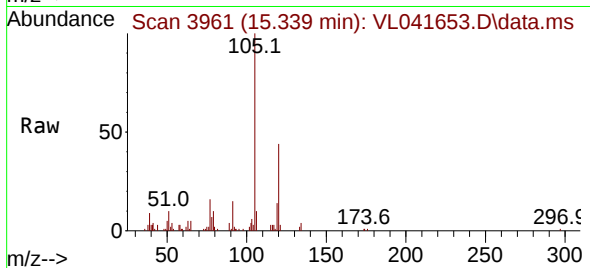
ClientSampleId :

Tgt Ion:105 Resp: 68286

Ion Ratio Lower Upper

105 100

120 44.4 39.4 59.0



#74

1,2,4-Trimethylbenzene

Concen: 0.356 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. 0.013 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Tgt Ion:105 Resp: 95705

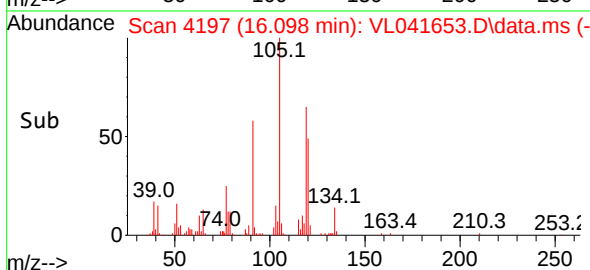
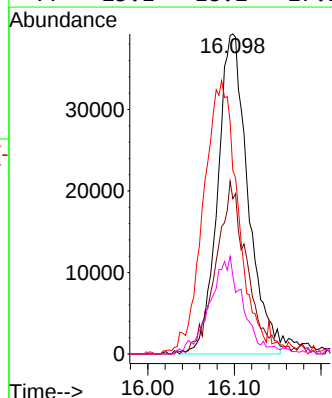
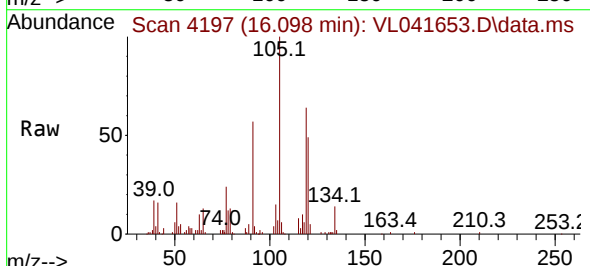
Ion Ratio Lower Upper

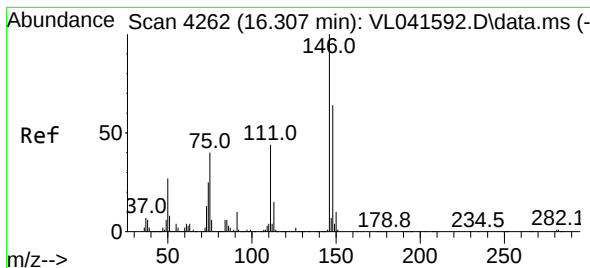
105 100

120 47.8 39.9 59.9

91 54.5 42.6 63.8

77 23.1 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 0.038 ppbv

RT: 16.323 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

ClientSampleId :

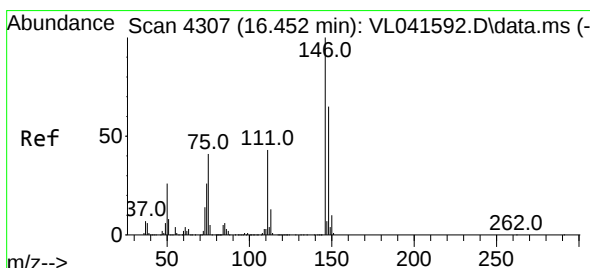
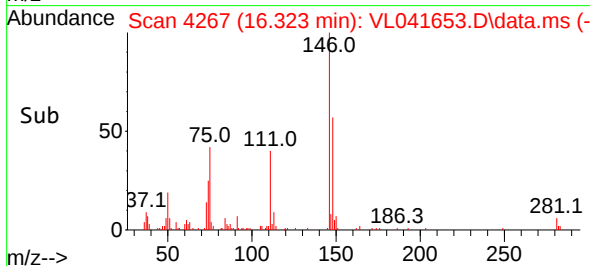
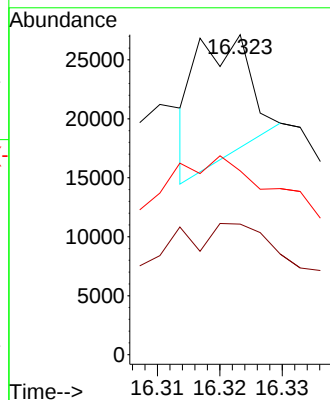
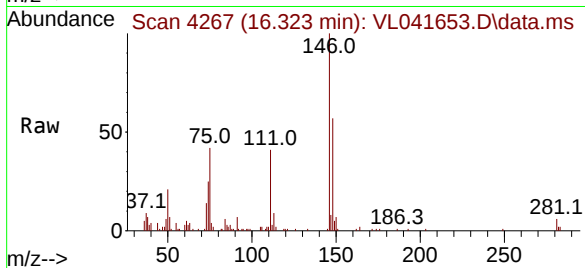
Tgt Ion:146 Resp: 6415

Ion Ratio Lower Upper

146 100

111 500.5 22.4 67.0#

148 711.3 32.1 96.5#



#76

1,4-Dichlorobenzene

Concen: 0.167 ppbv

RT: 16.458 min Scan# 4309

Delta R.T. 0.007 min

Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

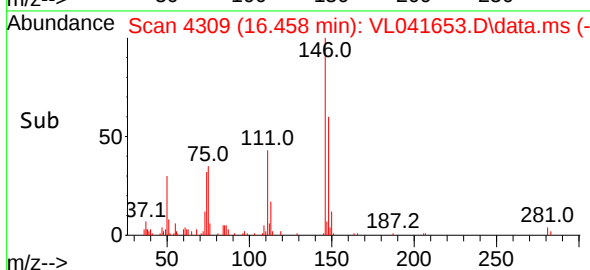
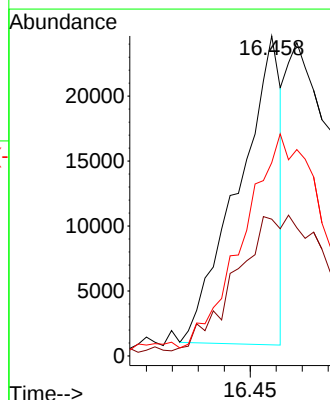
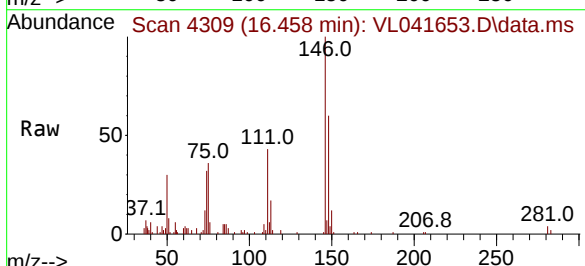
Tgt Ion:146 Resp: 27057

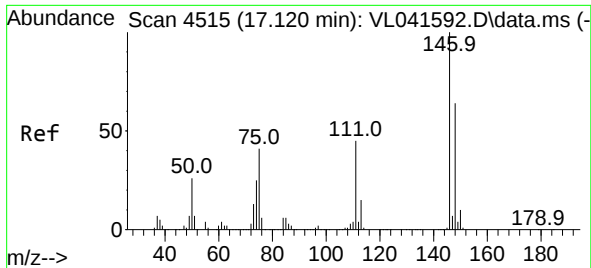
Ion Ratio Lower Upper

146 100

111 0.0 22.4 67.3#

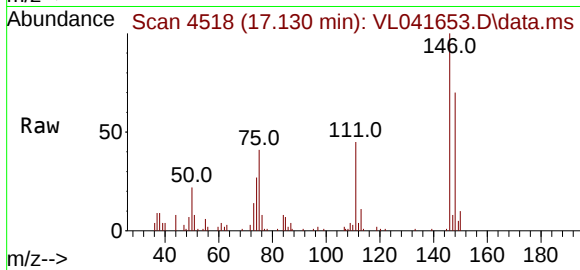
148 0.0 32.8 98.4#



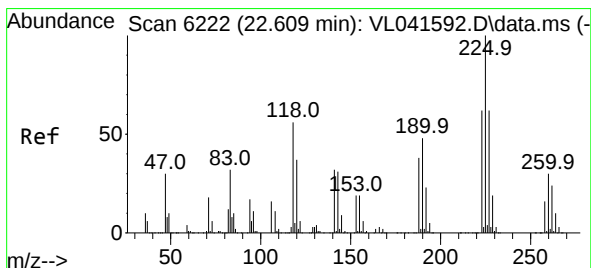
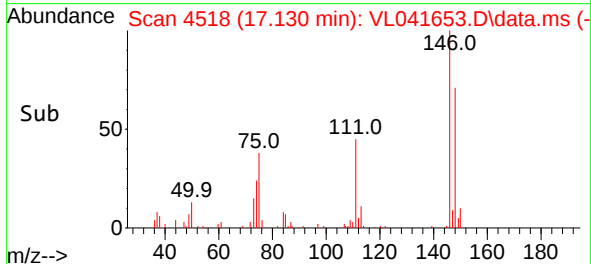
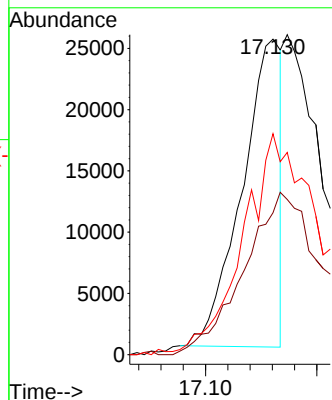


#77  
1,2-Dichlorobenzene  
Concen: 0.186 ppbv  
RT: 17.130 min Scan# 4518  
Delta R.T. 0.010 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Instrument :  
MSVOA\_L  
ClientSampleId :

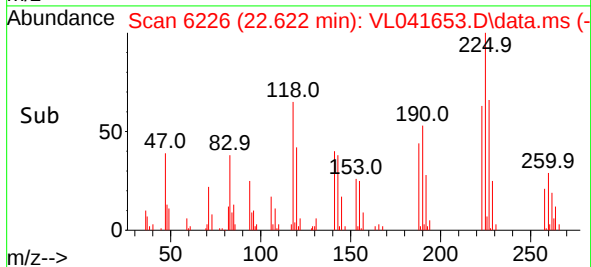
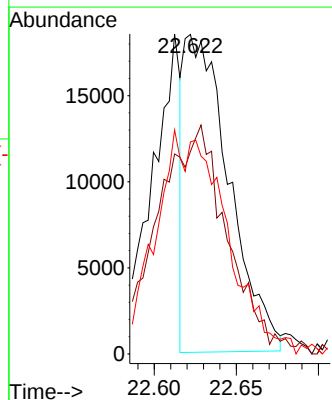
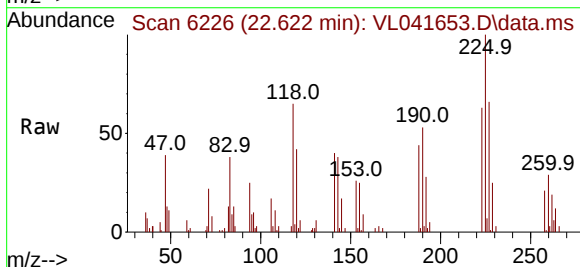


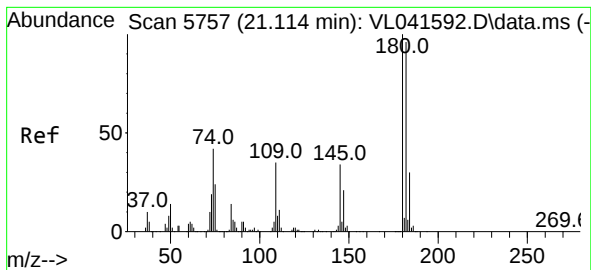
Tgt Ion:146 Resp: 30934  
Ion Ratio Lower Upper  
146 100  
111 0.0 23.4 70.0#  
148 154.1 32.5 97.4#



#78  
Hexachloro-1,3-Butadiene  
Concen: 0.255 ppbv  
RT: 22.622 min Scan# 6226  
Delta R.T. 0.013 min  
Lab File: VL041653.D  
Acq: 10 Oct 2024 22:00

Tgt Ion:225 Resp: 35021  
Ion Ratio Lower Upper  
225 100  
223 115.2 50.6 75.8#  
227 0.0 50.9 76.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.079 ppbv

RT: 21.127 min Scan# 51

Delta R.T. 0.013 min

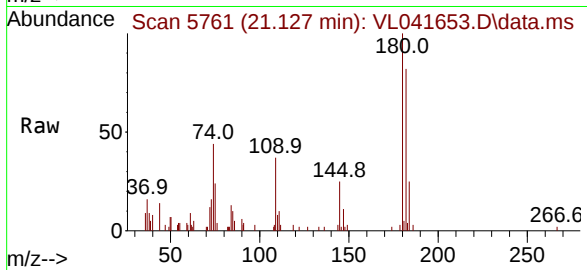
Lab File: VL041653.D

Acq: 10 Oct 2024 22:00

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion:180 Resp: 9971

Ion Ratio Lower Upper

180 100

182 0.0 76.5 114.7#

184 0.0 24.7 37.1#

