

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060525\  
 Data File : VL042618.D  
 Acq On : 05 Jun 2025 12:37  
 Operator : SY/MD  
 Sample : Q2126-15 MDL 0.40  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT2-2025

Quant Time: Jun 06 01:40:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri May 30 02:01:56 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 101525   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.962 | 114  | 268368   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.888 | 117  | 239459   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 185484   | 10.333   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.300% |

| Target Compounds              |       |     |       |       |        | Qvalue |
|-------------------------------|-------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.554 | 85  | 4295  | 0.344 | ppbv   | 94     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 8609  | 0.501 | ppbv   | 99     |
| 4) Chloromethane              | 1.534 | 50  | 2342  | 0.474 | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.580 | 62  | 2081  | 0.413 | ppbv   | 90     |
| 6) Bromomethane               | 1.667 | 94  | 1095  | 0.447 | ppbv # | 71     |
| 7) Chloroethane               | 1.706 | 64  | 824   | 0.421 | ppbv # | 89     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 4295  | 0.413 | ppbv   | 90     |
| 9) Propene                    | 1.482 | 41  | 2793  | 0.404 | ppbv   | 97     |
| 10) Heptane                   | 4.985 | 43  | 6496  | 0.333 | ppbv   | 95     |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 5399  | 0.465 | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 4630  | 0.508 | ppbv   | 91     |
| 13) Ethanol                   | 1.722 | 45  | 400   | 0.485 | ppbv # | 39     |
| 14) Bromoethene               | 1.780 | 108 | 1795  | 0.523 | ppbv # | 84     |
| 15) Acetone                   | 1.839 | 43  | 6109  | 0.500 | ppbv   | 97     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 2657  | 0.459 | ppbv   | 96     |
| 17) tert-Butyl alcohol        | 2.042 | 59  | 5239  | 0.411 | ppbv # | 88     |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 1824  | 0.432 | ppbv # | 92     |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 3465  | 0.474 | ppbv # | 79     |
| 20) Methylene Chloride        | 2.062 | 84  | 2244  | 0.556 | ppbv   | 86     |
| 21) Allyl Chloride            | 2.097 | 41  | 4040  | 0.468 | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 2.722 | 96  | 3783  | 0.801 | ppbv   | 87     |
| 23) Vinyl Acetate             | 2.463 | 43  | 8564  | 0.518 | ppbv # | 81     |
| 24) 1,1-Dichloroethane        | 2.411 | 63  | 4505  | 0.464 | ppbv # | 87     |
| 25) Ethyl Acetate             | 2.842 | 43  | 13511 | 0.404 | ppbv # | 97     |
| 26) Hexane                    | 2.829 | 57  | 5377  | 0.354 | ppbv # | 82     |
| 27) Carbon Disulfide          | 2.149 | 76  | 4682  | 0.401 | ppbv # | 46     |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 2905  | 0.471 | ppbv   | 93     |
| 29) Chloroform                | 2.852 | 83  | 8954  | 0.453 | ppbv   | 89     |
| 30) Cyclohexane               | 3.858 | 84  | 2573  | 0.204 | ppbv # | 30     |
| 31) cis-1,2-Dichloroethene    | 2.722 | 61  | 6124  | 0.440 | ppbv   | 96     |
| 32) 1,1,1-Trichloroethane     | 3.373 | 97  | 8698  | 0.431 | ppbv   | 97     |
| 34) 2-Butanone                | 2.564 | 43  | 9317  | 0.487 | ppbv   | 97     |
| 35) Carbon Tetrachloride      | 3.764 | 117 | 8509  | 0.480 | ppbv   | 92     |
| 36) Benzene                   | 3.658 | 78  | 11480 | 0.434 | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 3.221 | 62  | 7098  | 0.540 | ppbv   | 98     |
| 38) Trichloroethene           | 4.548 | 130 | 3216  | 0.286 | ppbv   | 95     |
| 39) 1,2-Dichloropropane       | 4.318 | 63  | 3688  | 0.377 | ppbv   | 94     |
| 40) 1,4-Dioxane               | 4.603 | 88  | 708   | 0.162 | ppbv # | 24     |
| 41) Tetrahydrofuran           | 3.068 | 42  | 4535  | 0.405 | ppbv   | 97     |
| 42) Bromodichloromethane      | 4.496 | 83  | 7394  | 0.396 | ppbv # | 93     |
| 43) Methyl Methacrylate       | 4.891 | 69  | 3020  | 0.294 | ppbv # | 74     |
| 44) 2,2,4-Trimethylpentane    | 4.648 | 57  | 7449  | 0.165 | ppbv # | 26     |
| 45) t-1,3-Dichloropropene     | 6.425 | 75  | 2511  | 0.214 | ppbv   | 97     |

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 Operator : SY/MD  
 Sample : Q2126-15 MDL 0.40  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

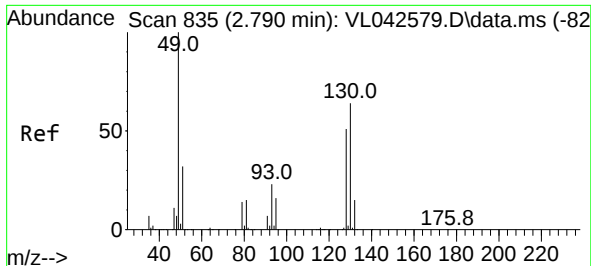
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 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT2-2025

Quant Time: Jun 06 01:40:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri May 30 02:01:56 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.619  | 75   | 1281     | 0.087 | ppbv   | 90       |
| 47) 1,1,2-Trichloroethane     | 6.590  | 97   | 3129     | 0.309 | ppbv # | 90       |
| 48) Dibromochloromethane      | 7.393  | 129  | 7011     | 0.433 | ppbv   | 95       |
| 49) Bromoform                 | 9.490  | 173  | 5476     | 0.392 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 5.768  | 43   | 5148     | 0.194 | ppbv # | 39       |
| 51) 2-Hexanone                | 7.451  | 43   | 3199     | 0.152 | ppbv # | 36       |
| 52) Tetrachloroethene         | 8.234  | 164  | 1671     | 0.169 | ppbv   | 98       |
| 53) Toluene                   | 6.943  | 91   | 4893     | 0.160 | ppbv # | 1        |
| 54) 1,2-Dibromoethane         | 7.661  | 107  | 7080     | 0.473 | ppbv   | 89       |
| 56) 1,1,1,2-Tetrachloroethane | 8.933  | 131  | 2801     | 0.233 | ppbv # | 1        |
| 57) Chlorobenzene             | 8.930  | 112  | 6568     | 0.282 | ppbv   | 93       |
| 58) Ethyl Benzene             | 9.360  | 91   | 13713    | 0.338 | ppbv   | 94       |
| 59) m/p-Xylene                | 9.542  | 91   | 10677    | 0.334 | ppbv # | 29       |
| 60) o-Xylene                  | 9.969  | 91   | 10981    | 0.344 | ppbv   | 95       |
| 61) Styrene                   | 9.872  | 104  | 2241     | 0.149 | ppbv # | 26       |
| 62) Isopropylbenzene          | 10.545 | 105  | 17205    | 0.365 | ppbv   | 97       |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83   | 4152     | 0.205 | ppbv # | 1        |
| 64) n-propylbenzene           | 10.992 | 120  | 4310     | 0.341 | ppbv   | 83       |
| 65) tert-Butylbenzene         | 11.536 | 119  | 14612    | 0.342 | ppbv   | 94       |
| 66) Benzyl Chloride           | 11.620 | 91   | 1332     | 0.242 | ppbv # | 93       |
| 67) sec-Butylbenzene          | 11.772 | 105  | 22340    | 0.372 | ppbv   | 97       |
| 69) p-Isopropyltoluene        | 11.930 | 119  | 16489    | 0.328 | ppbv   | 98       |
| 70) n-Butylbenzene            | 12.286 | 91   | 15308    | 0.308 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.908 | 91   | 13281    | 0.370 | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 11.131 | 105  | 13006    | 0.327 | ppbv # | 96       |
| 73) 1,3,5-Trimethylbenzene    | 11.209 | 105  | 10507    | 0.319 | ppbv   | 95       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 12594    | 0.345 | ppbv # | 83       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 9345     | 0.408 | ppbv   | 97       |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 9375     | 0.410 | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 11.950 | 146  | 10236    | 0.460 | ppbv   | 97       |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 8479     | 0.461 | ppbv   | 96       |
| 79) Naphthalene               | 13.516 | 128  | 6344     | 0.184 | ppbv   | 96       |
| 80) Naphthalene,2-methyl-     | 14.471 | 142  | 506      | 0.033 | ppbv   | 91       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 4283     | 0.223 | ppbv   | 96       |

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

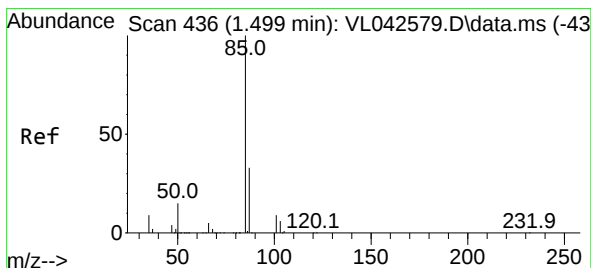
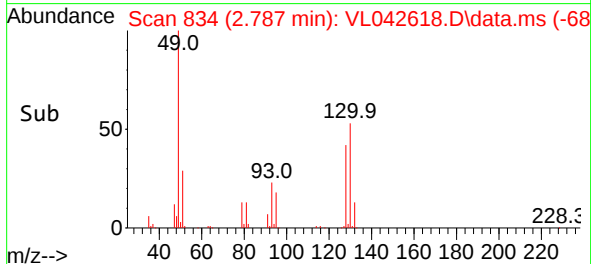
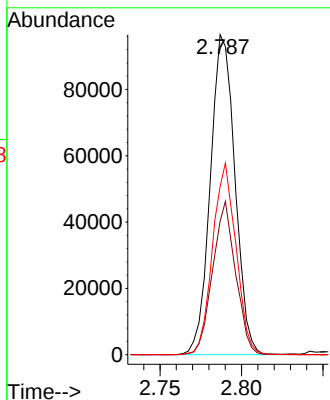
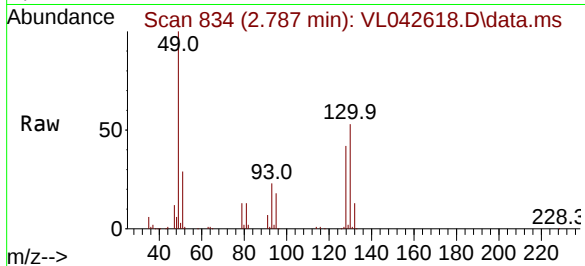




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

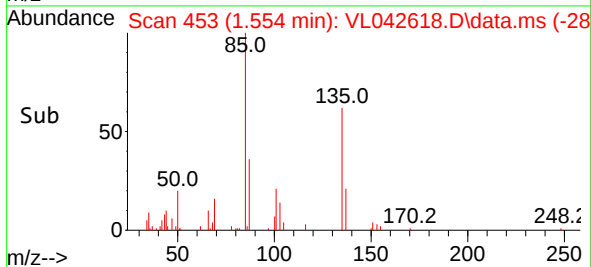
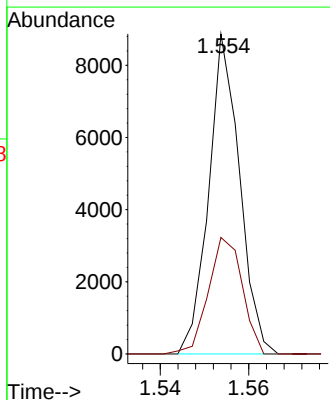
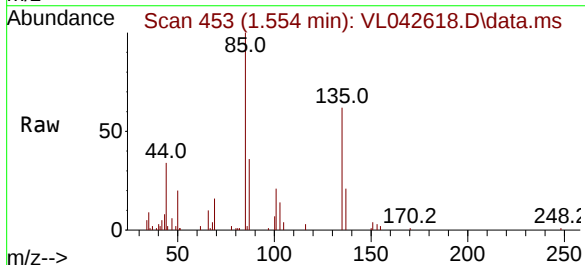
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

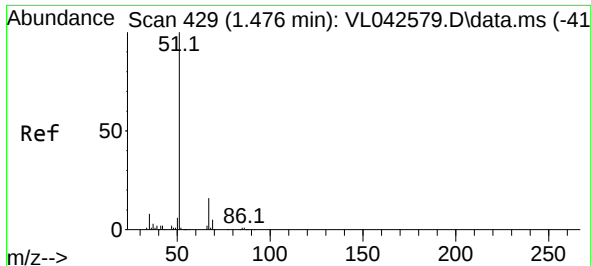
Tgt Ion: 49 Resp: 101525  
Ion Ratio Lower Upper  
49 100  
128 44.6 24.2 72.6  
130 56.8 30.4 91.2



#2  
Dichlorodifluoromethane  
Concen: 0.344 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. 0.055 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 85 Resp: 4295  
Ion Ratio Lower Upper  
85 100  
87 36.4 26.6 39.8

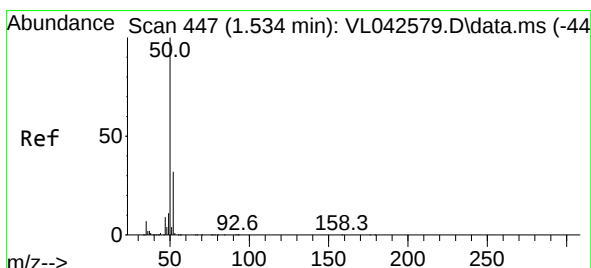
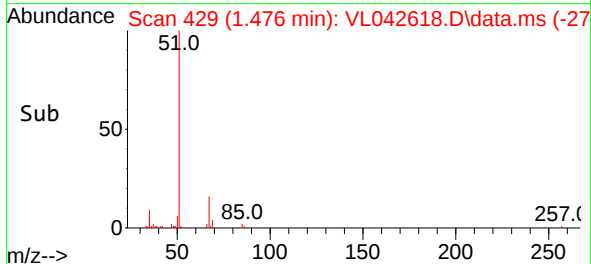
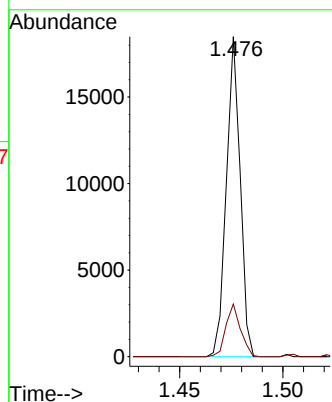
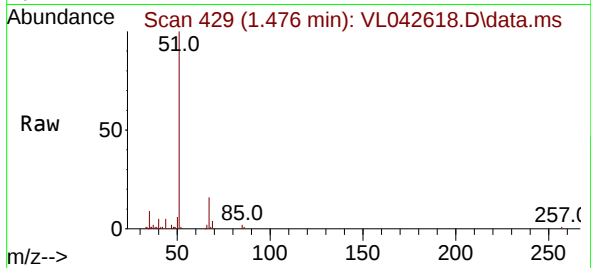




#3  
Chlorodifluoromethane  
Concen: 0.501 ppbv  
RT: 1.476 min Scan# 429  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

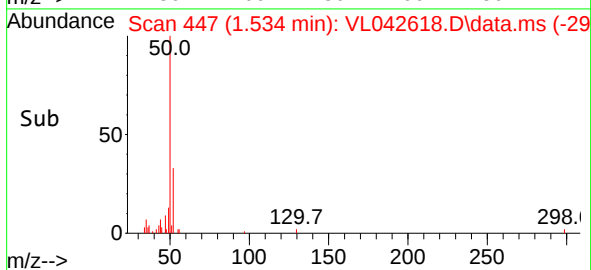
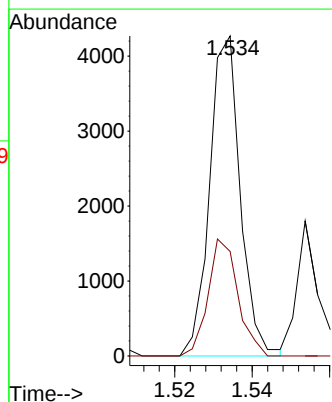
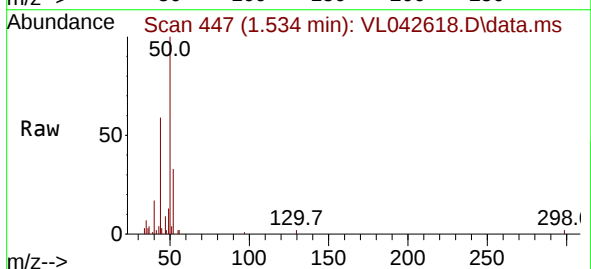
Instrument :  
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ClientSampleId :  
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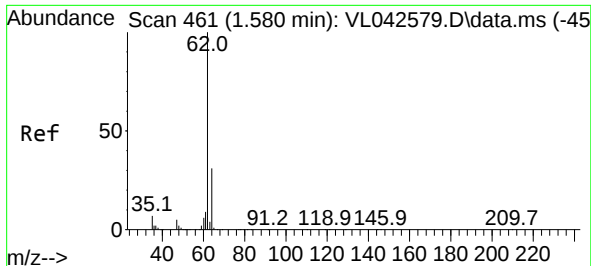
Tgt Ion: 51 Resp: 8609  
Ion Ratio Lower Upper  
51 100  
67 17.4 13.4 20.2



#4  
Chloromethane  
Concen: 0.474 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 50 Resp: 2342  
Ion Ratio Lower Upper  
50 100  
52 32.7 25.8 38.6

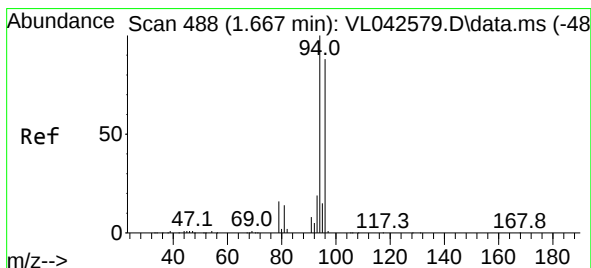
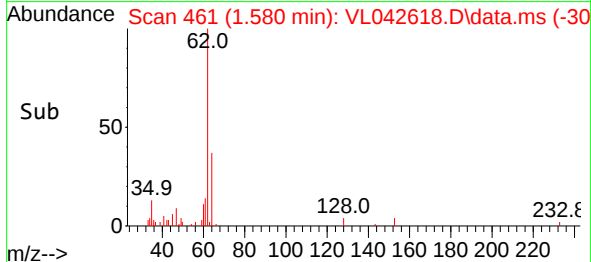
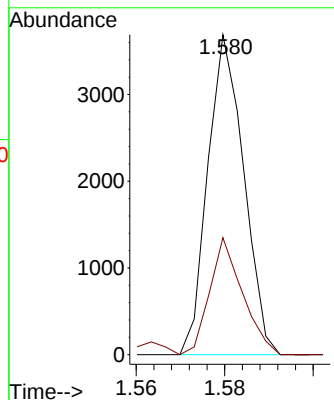
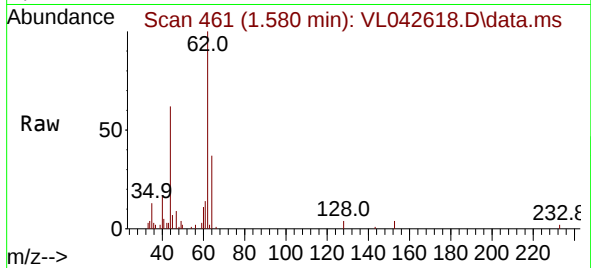




#5  
 Vinyl Chloride  
 Concen: 0.413 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. -0.000 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

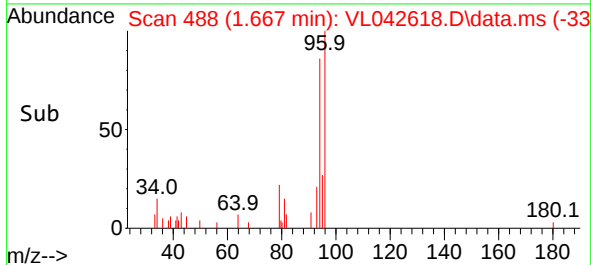
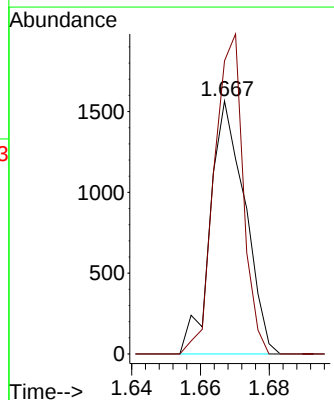
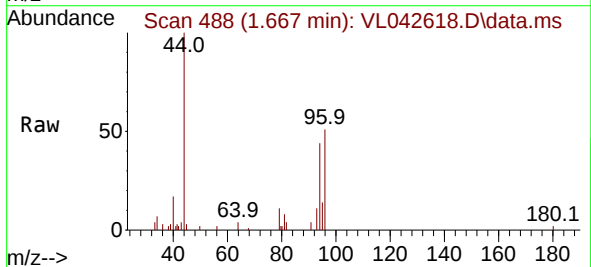
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
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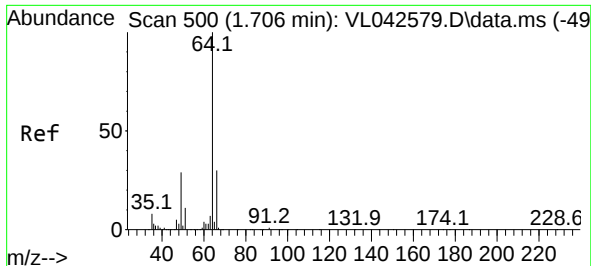
Tgt Ion: 62 Resp: 2081  
 Ion Ratio Lower Upper  
 62 100  
 64 36.5 24.9 37.3



#6  
 Bromomethane  
 Concen: 0.447 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. -0.000 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

Tgt Ion: 94 Resp: 1095  
 Ion Ratio Lower Upper  
 94 100  
 96 115.9 70.7 106.1#

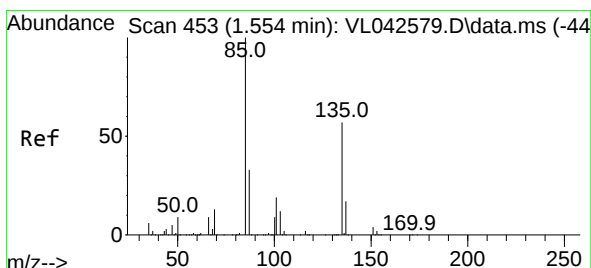
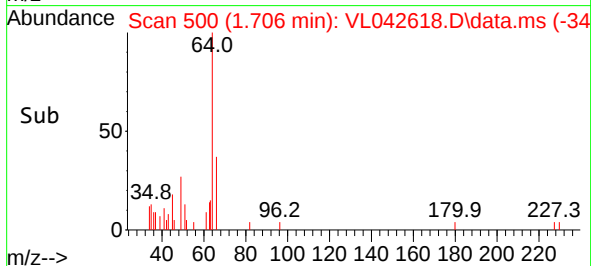
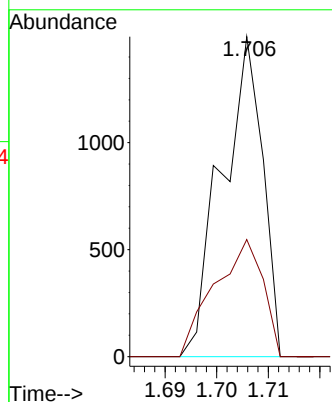
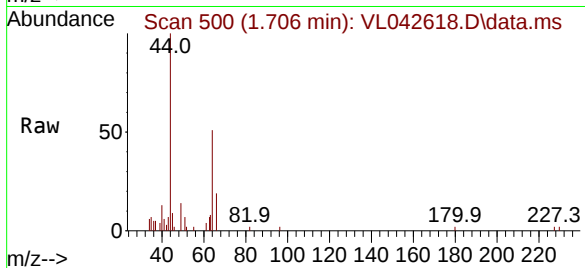




#7  
Chloroethane  
Concen: 0.421 ppbv  
RT: 1.706 min Scan# 500  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

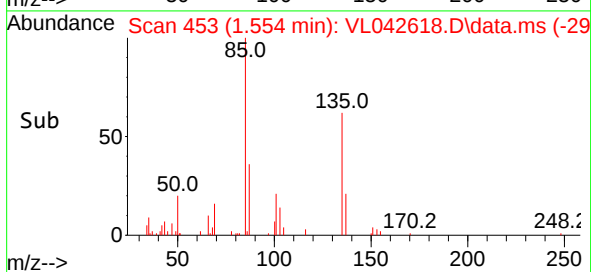
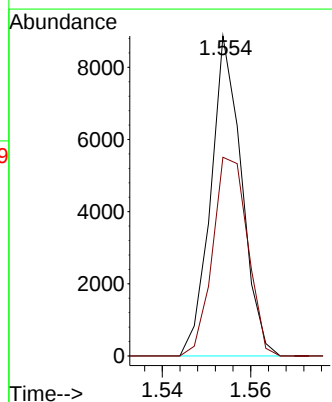
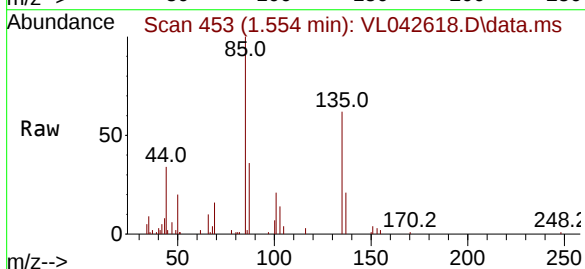
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

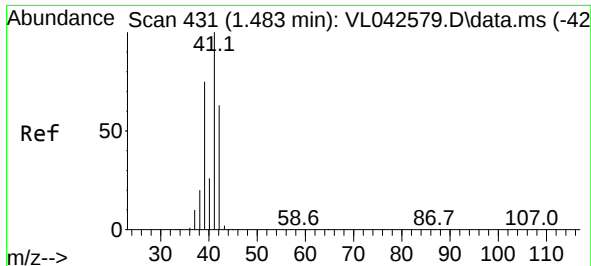
Tgt Ion: 64 Resp: 824  
Ion Ratio Lower Upper  
64 100  
66 36.6 24.3 36.5#



#8  
Dichlorotetrafluoroethane  
Concen: 0.413 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 85 Resp: 4295  
Ion Ratio Lower Upper  
85 100  
135 70.7 50.2 75.4





#9

Propene

Concen: 0.404 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

Instrument :

MSVOA\_L

ClientSampleId :

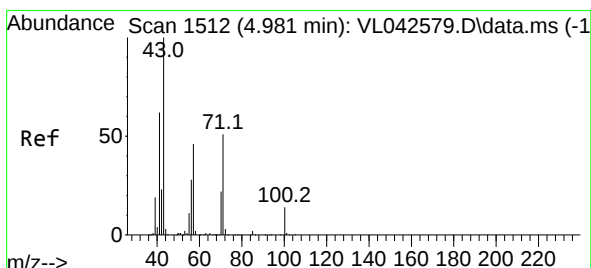
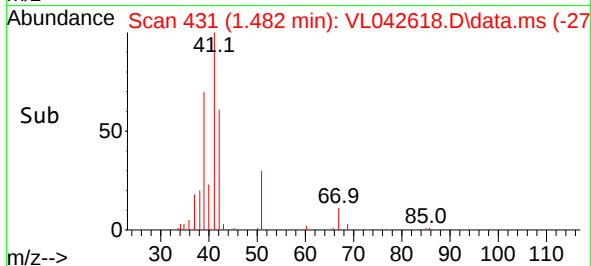
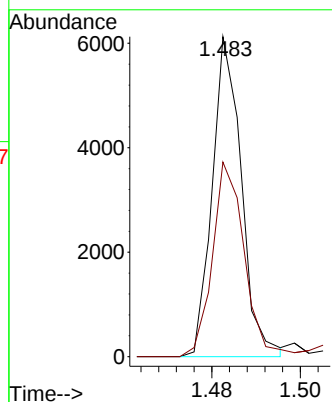
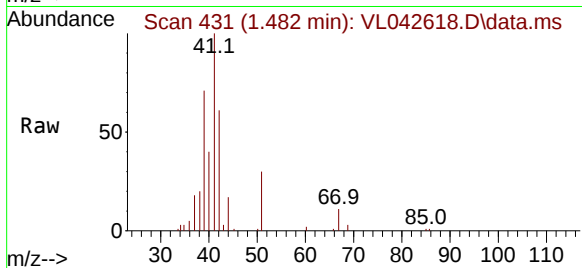
MDL-AIR-03-QT2-2025

Tgt Ion: 41 Resp: 2793

Ion Ratio Lower Upper

41 100

42 68.8 53.3 79.9



#10

Heptane

Concen: 0.333 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.003 min

Lab File: VL042618.D

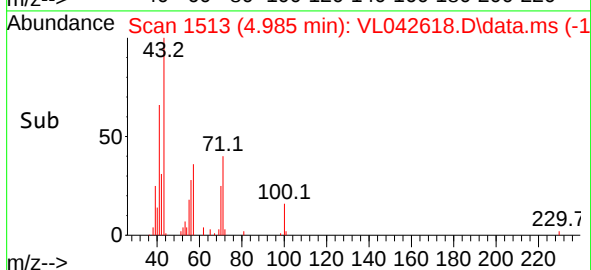
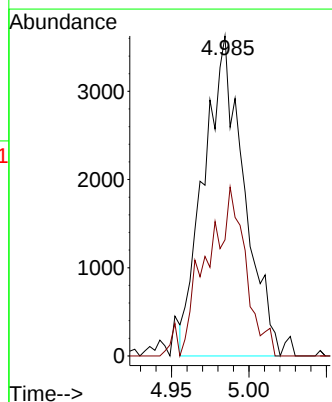
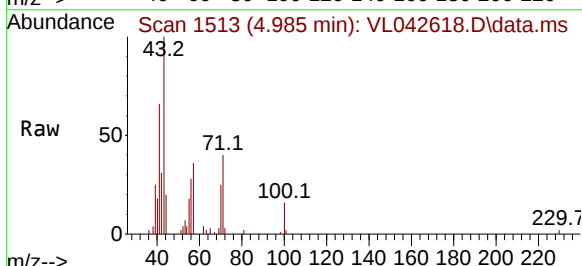
Acq: 05 Jun 2025 12:37

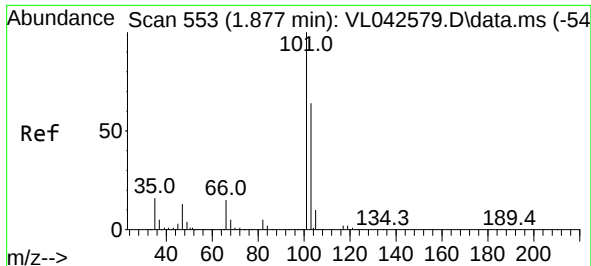
Tgt Ion: 43 Resp: 6496

Ion Ratio Lower Upper

43 100

57 52.1 38.9 58.3

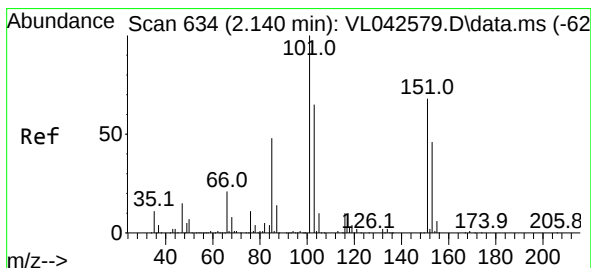
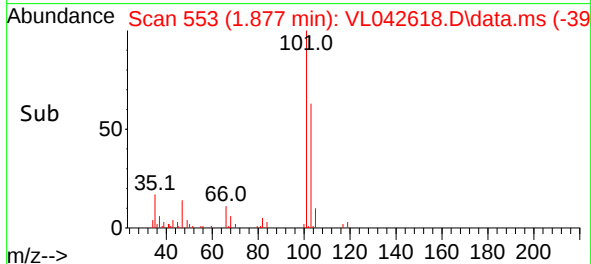
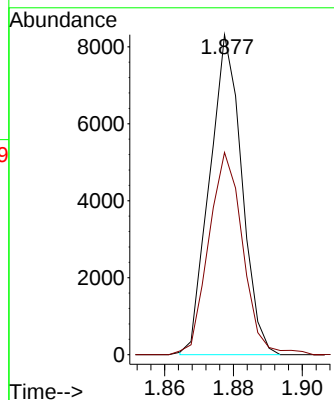
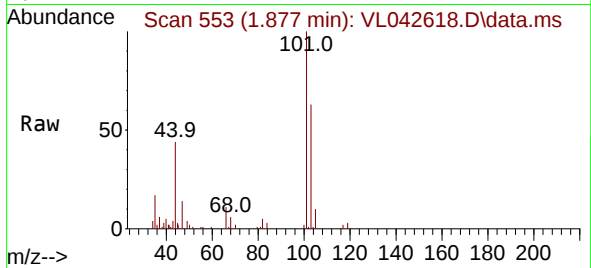




#11  
 Trichlorofluoromethane  
 Concen: 0.465 ppbv  
 RT: 1.877 min Scan# 511  
 Delta R.T. -0.000 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

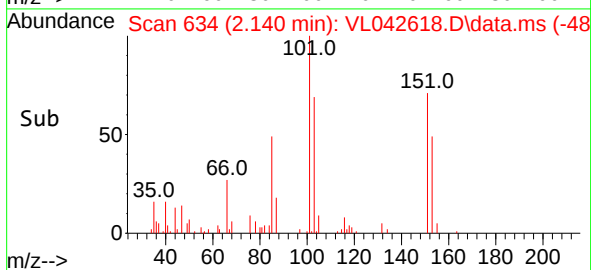
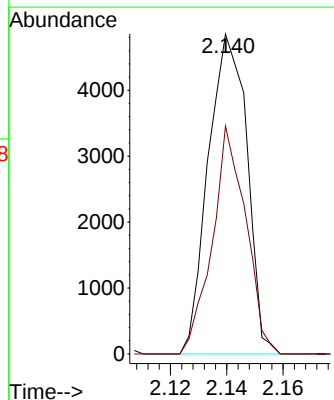
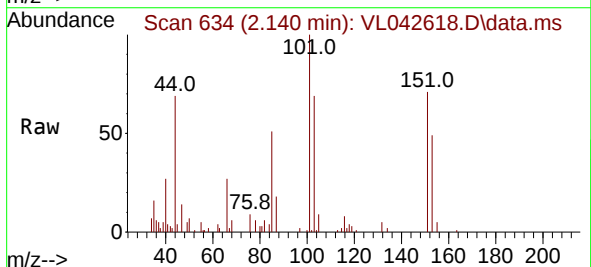
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT2-2025

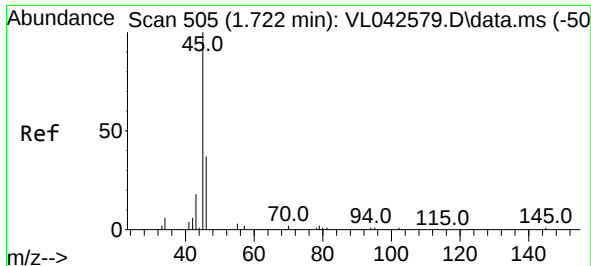
Tgt Ion:101 Resp: 5399  
 Ion Ratio Lower Upper  
 101 100  
 103 62.0 51.5 77.3



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.508 ppbv  
 RT: 2.140 min Scan# 634  
 Delta R.T. -0.000 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

Tgt Ion:101 Resp: 4630  
 Ion Ratio Lower Upper  
 101 100  
 151 61.8 55.3 82.9

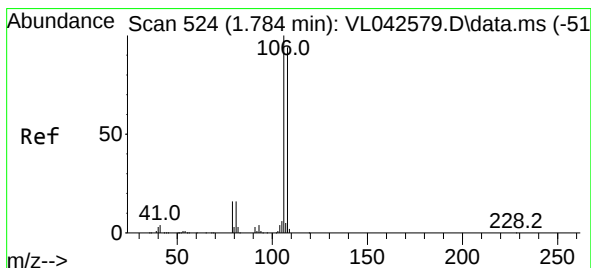
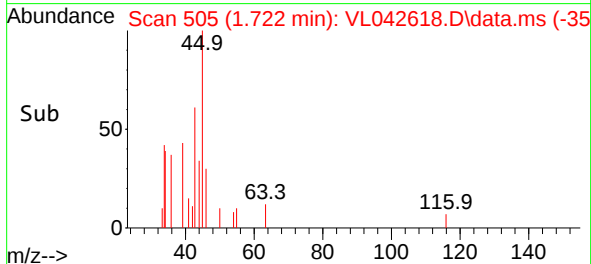
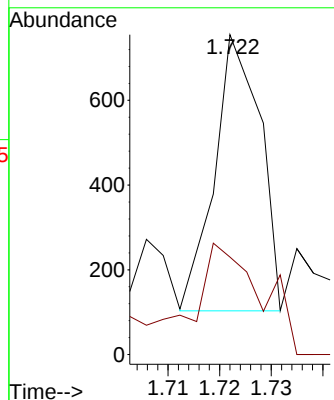
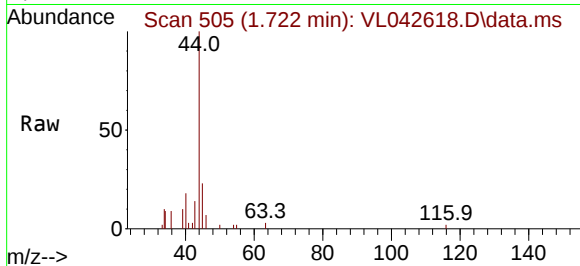




#13  
Ethanol  
Concen: 0.485 ppbv  
RT: 1.722 min Scan# 505  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

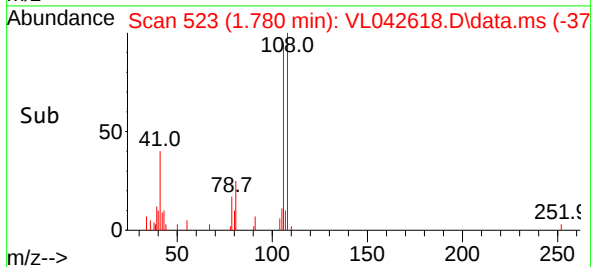
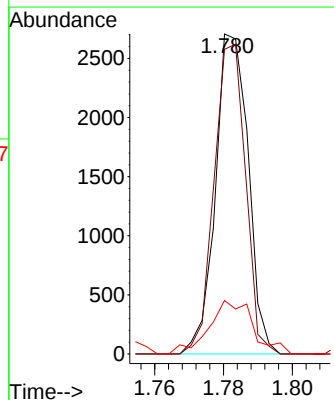
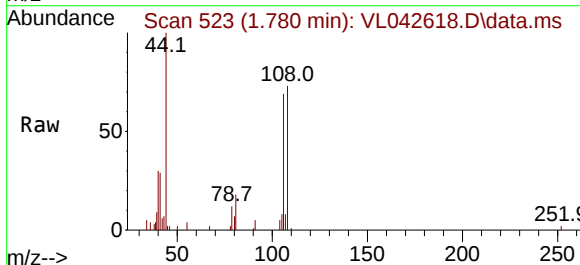
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

Tgt Ion: 45 Resp: 400  
Ion Ratio Lower Upper  
45 100  
46 0.0 14.5 58.1#



#14  
Bromoethene  
Concen: 0.523 ppbv  
RT: 1.780 min Scan# 523  
Delta R.T. -0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 108 Resp: 1795  
Ion Ratio Lower Upper  
108 100  
106 92.5 87.9 131.9  
79 26.0 15.6 23.4#

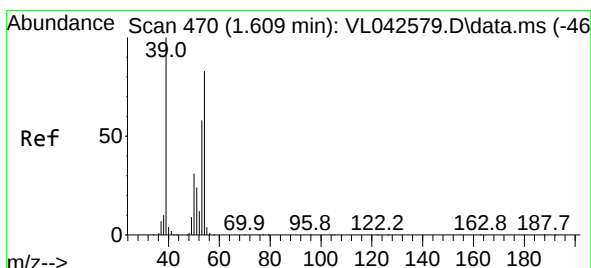
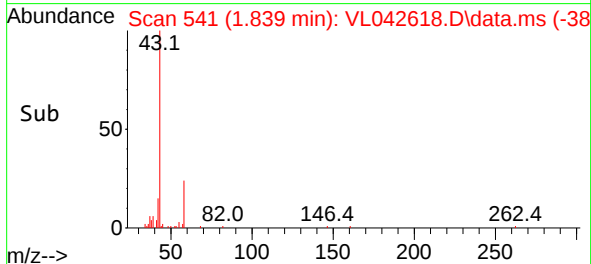
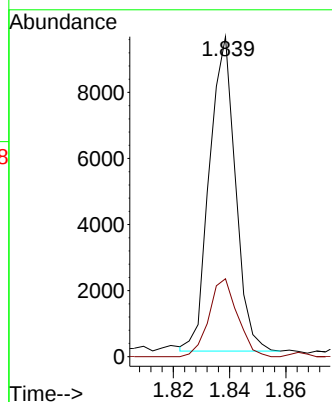
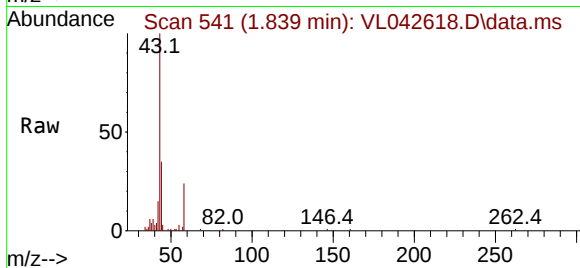




#15  
Acetone  
Concen: 0.500 ppbv  
RT: 1.839 min Scan# 540  
Delta R.T. 0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

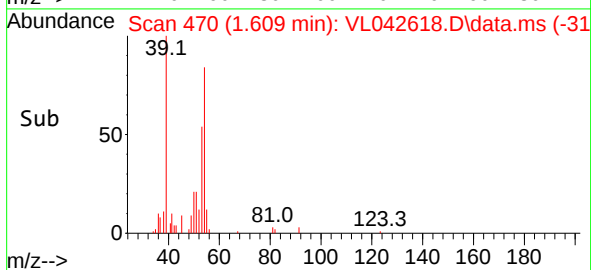
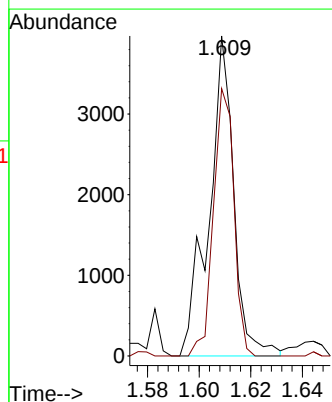
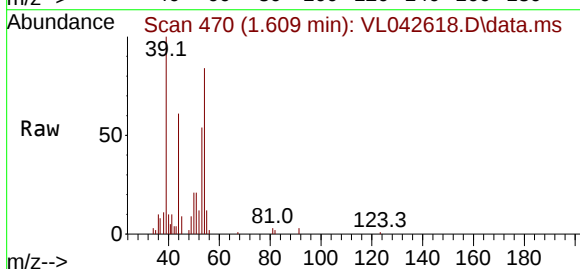
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

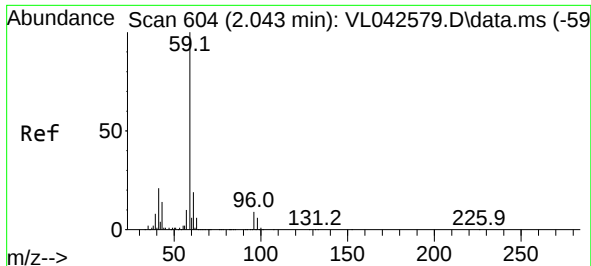
Tgt Ion: 43 Resp: 6109  
Ion Ratio Lower Upper  
43 100  
58 27.9 21.0 31.4



#16  
1,3-Butadiene  
Concen: 0.459 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 39 Resp: 2657  
Ion Ratio Lower Upper  
39 100  
54 68.6 57.9 86.9





#17

tert-Butyl alcohol

Concen: 0.411 ppbv

RT: 2.042 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

Instrument :

MSVOA\_L

ClientSampleId :

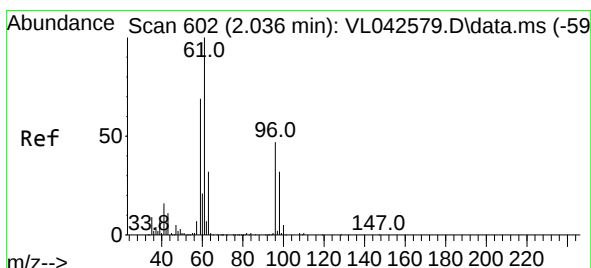
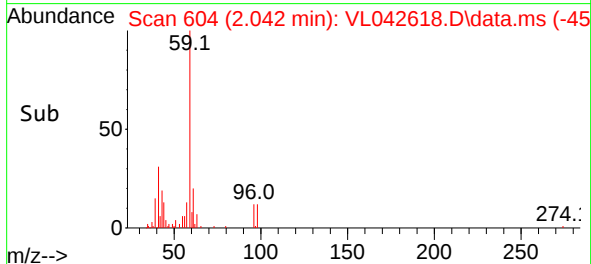
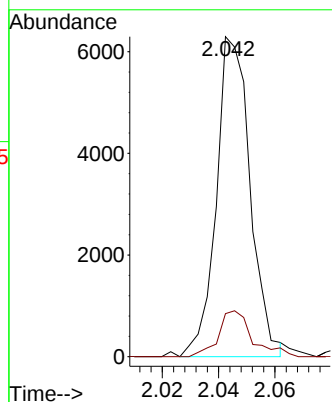
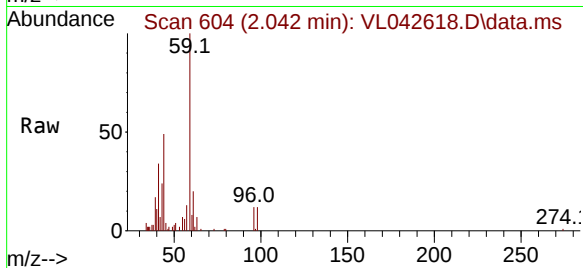
MDL-AIR-03-QT2-2025

Tgt Ion: 59 Resp: 5239

Ion Ratio Lower Upper

59 100

57 15.4 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.432 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

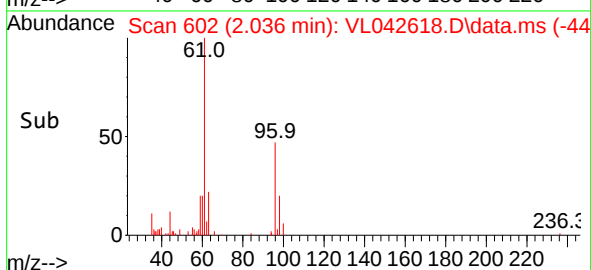
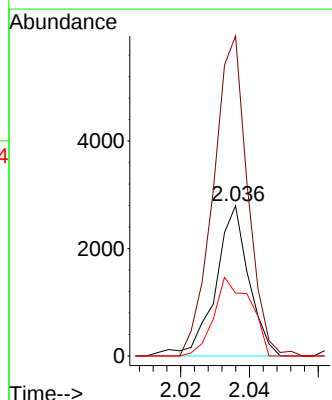
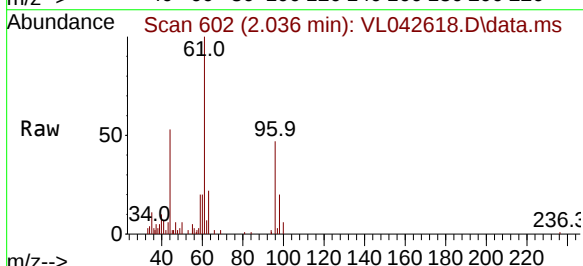
Tgt Ion: 96 Resp: 1824

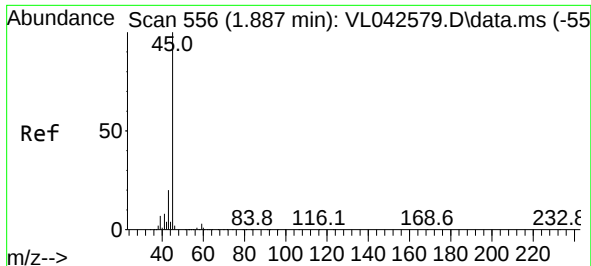
Ion Ratio Lower Upper

96 100

61 213.1 171.1 256.7

98 41.8 54.4 81.6#

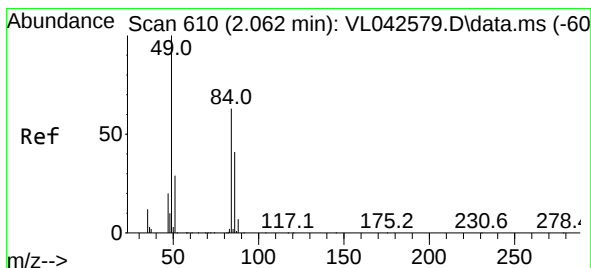
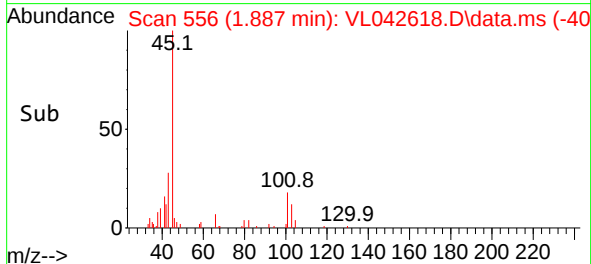
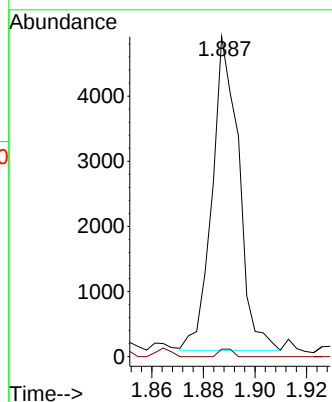
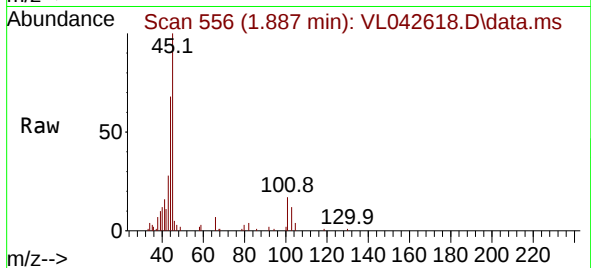




#19  
Isopropyl Alcohol  
Concen: 0.474 ppbv  
RT: 1.887 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

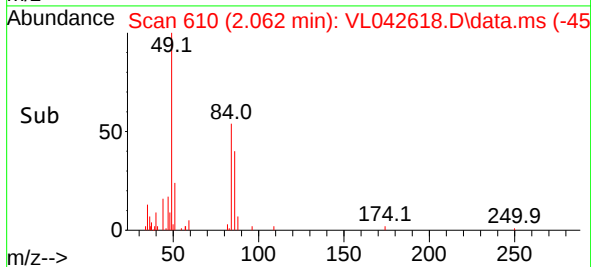
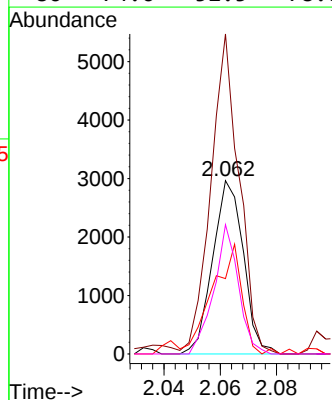
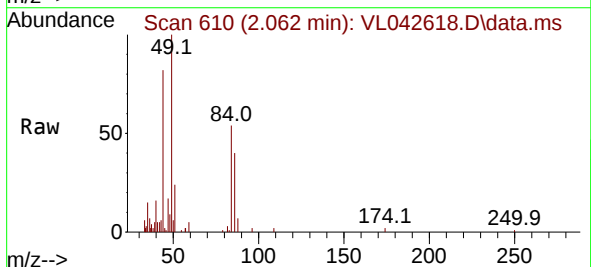
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

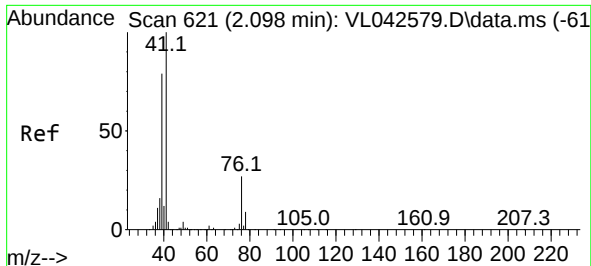
Tgt Ion: 45 Resp: 3465  
Ion Ratio Lower Upper  
45 100  
58 49.2 29.4 44.2#



#20  
Methylene Chloride  
Concen: 0.556 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 84 Resp: 2244  
Ion Ratio Lower Upper  
84 100  
49 184.7 128.8 193.2  
51 43.5 38.6 57.8  
86 74.6 52.5 78.7





#21

Allyl Chloride

Concen: 0.468 ppbv

RT: 2.097 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

Instrument :

MSVOA\_L

ClientSampleId :

MDL-AIR-03-QT2-2025

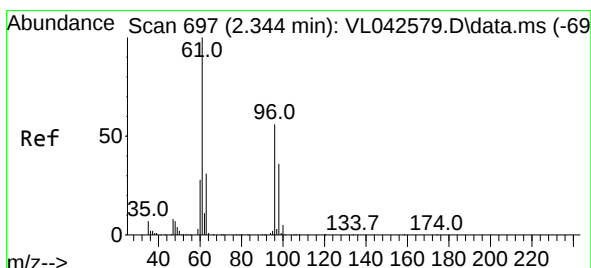
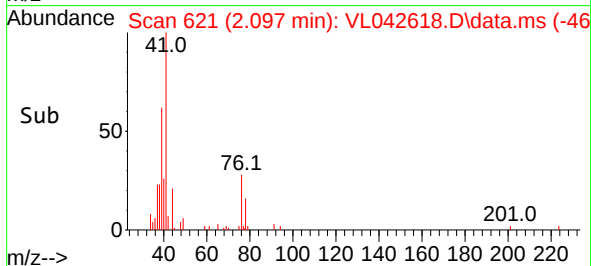
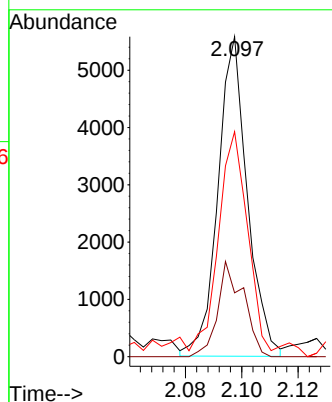
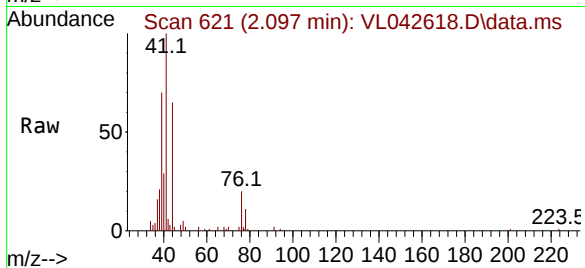
Tgt Ion: 41 Resp: 4040

Ion Ratio Lower Upper

41 100

76 26.1 21.2 31.8

39 74.5 60.9 91.3



#22

trans-1,2-Dichloroethene

Concen: 0.801 ppbv

RT: 2.722 min Scan# 814

Delta R.T. 0.379 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

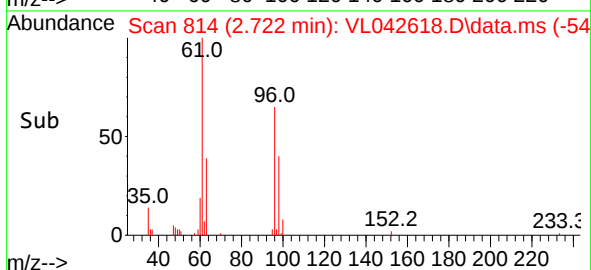
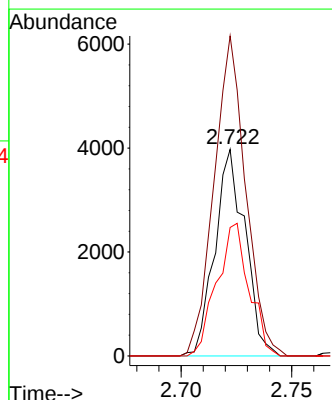
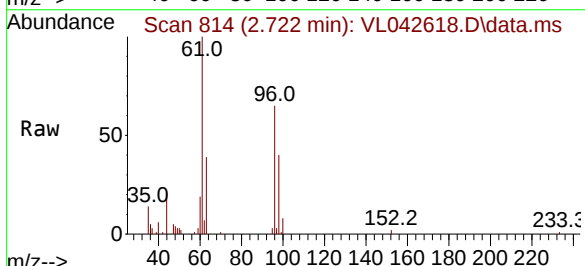
Tgt Ion: 96 Resp: 3783

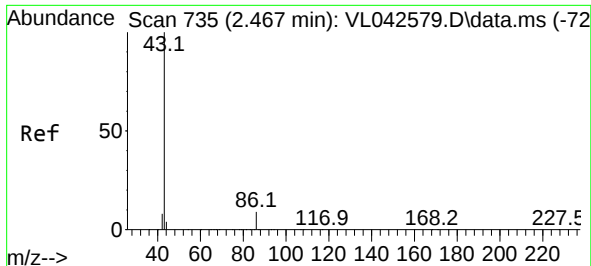
Ion Ratio Lower Upper

96 100

61 154.9 142.6 214.0

98 62.2 51.0 76.4

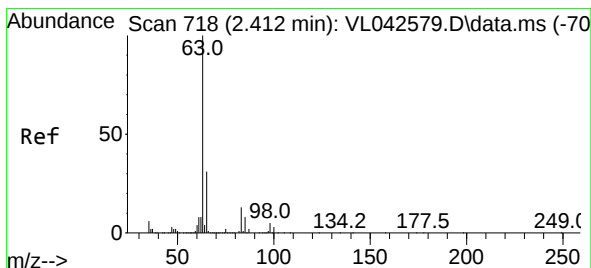
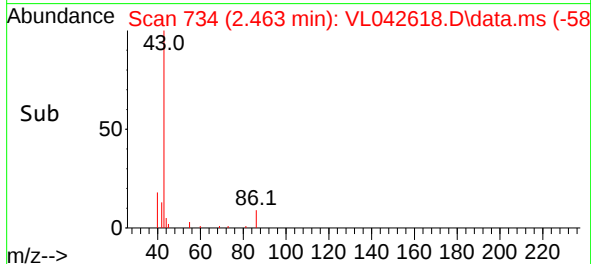
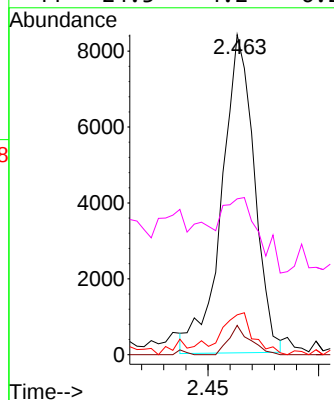
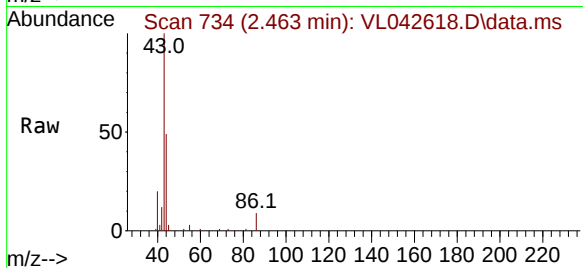




#23  
 Vinyl Acetate  
 Concen: 0.518 ppbv  
 RT: 2.463 min Scan# 718  
 Delta R.T. -0.003 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

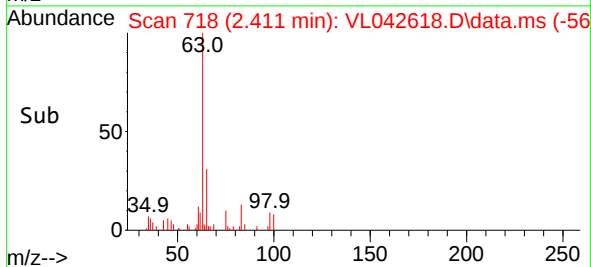
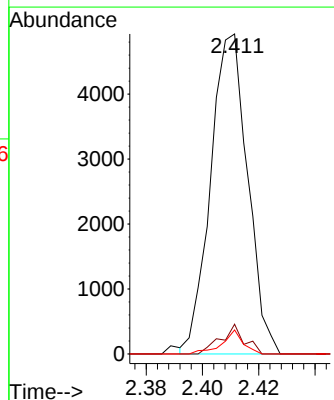
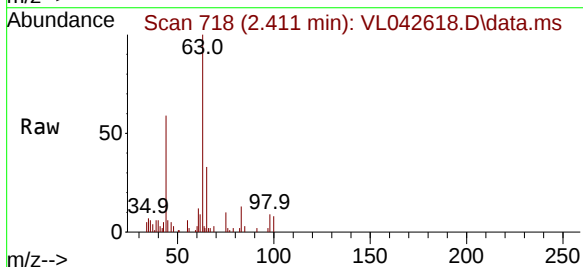
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT2-2025

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 8564  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 9.6   | 6.6   | 9.8   |
| 42       | 12.4  | 7.0   | 10.4# |
| 44       | 24.3  | 4.2   | 6.2#  |



#24  
 1,1-Dichloroethane  
 Concen: 0.464 ppbv  
 RT: 2.411 min Scan# 718  
 Delta R.T. -0.000 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 4505  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 9.0   | 2.4   | 7.1#  |
| 100      | 7.3   | 1.4   | 4.0#  |

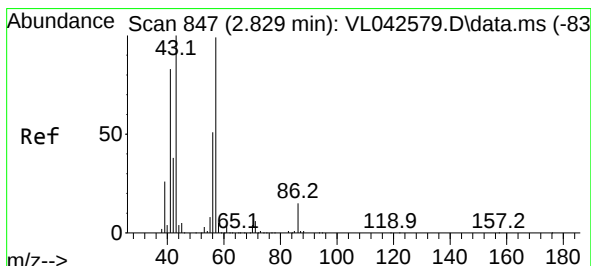
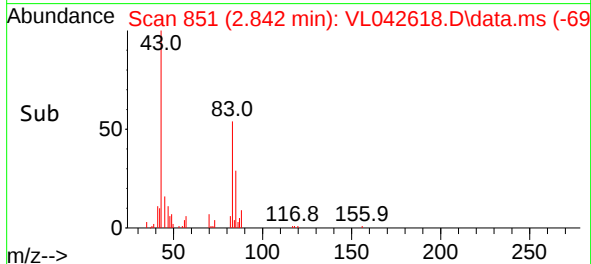
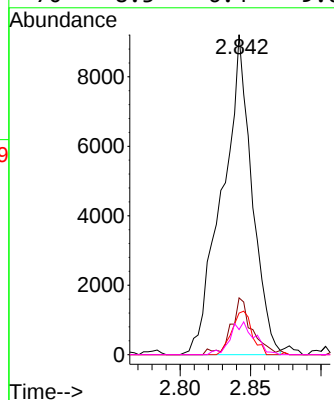
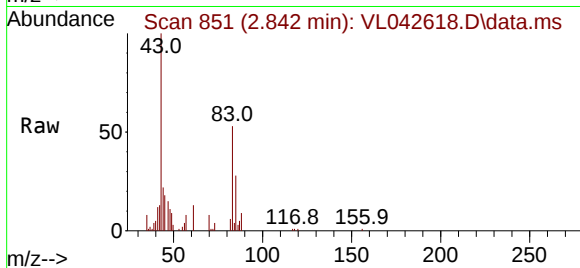




#25  
Ethyl Acetate  
Concen: 0.404 ppbv  
RT: 2.842 min Scan# 811  
Delta R.T. 0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

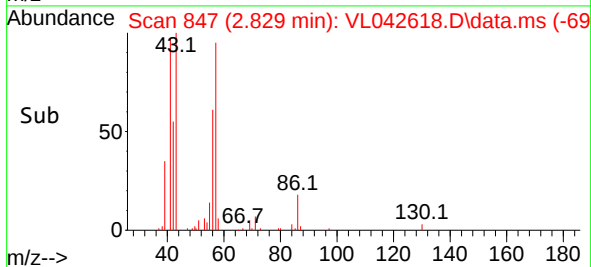
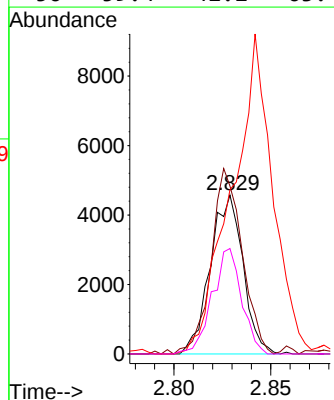
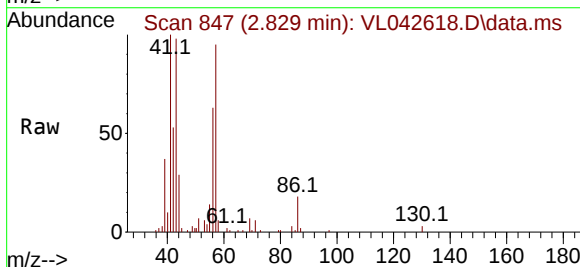
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

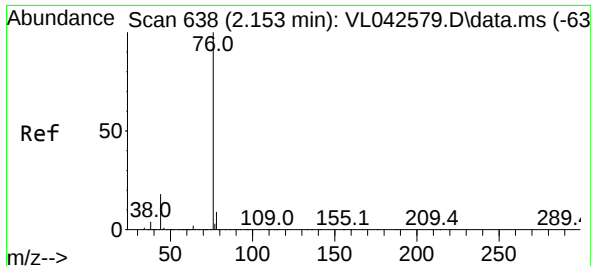
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 13511 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 45 12.5     | 8.2 12.2#   |
| 61 9.2      | 7.1 10.7    |
| 70 8.3      | 6.4 9.6     |



#26  
Hexane  
Concen: 0.354 ppbv  
RT: 2.829 min Scan# 847  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

|             |             |
|-------------|-------------|
| Tgt Ion: 57 | Resp: 5377  |
| Ion Ratio   | Lower Upper |
| 57 100      |             |
| 41 113.9    | 70.6 106.0# |
| 43 253.8    | 181.1 271.7 |
| 56 59.4     | 42.2 63.4   |

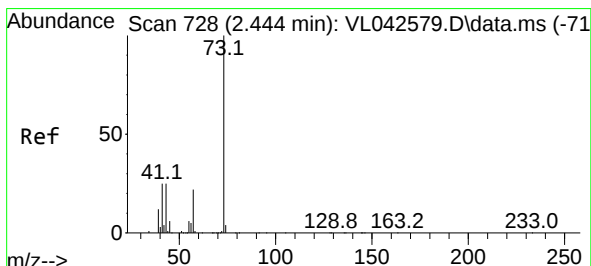
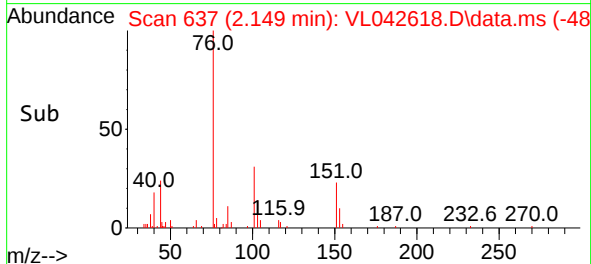
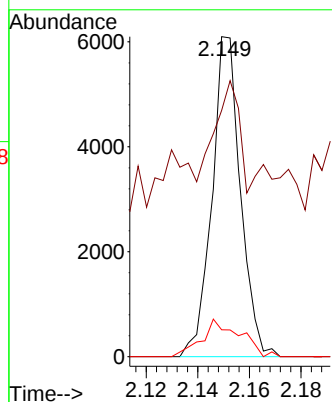
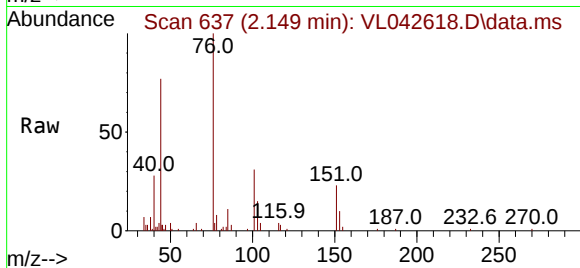




#27  
Carbon Disulfide  
Concen: 0.401 ppbv  
RT: 2.149 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

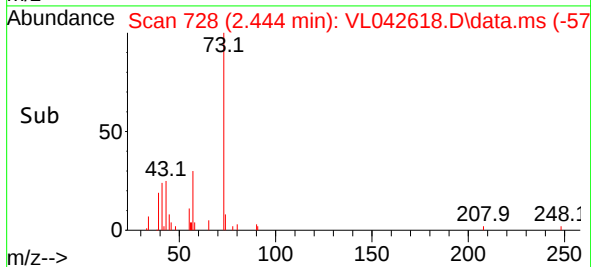
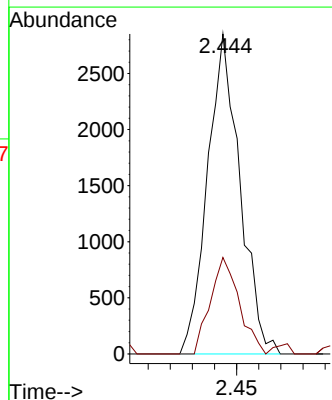
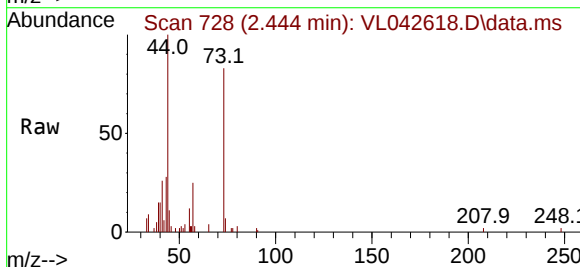
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

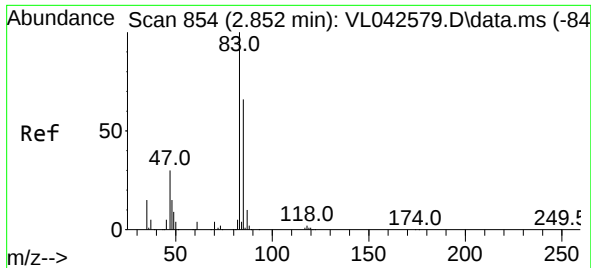
Tgt Ion: 76 Resp: 4682  
Ion Ratio Lower Upper  
76 100  
44 64.2 21.3 31.9#  
78 15.6 9.4 14.0#



#28  
Methyl tert-Butyl Ether  
Concen: 0.471 ppbv  
RT: 2.444 min Scan# 728  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 73 Resp: 2905  
Ion Ratio Lower Upper  
73 100  
57 28.2 19.9 29.9





#29

Chloroform

Concen: 0.453 ppbv

RT: 2.852 min Scan# 854

Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

Instrument :

MSVOA\_L

ClientSampleId :

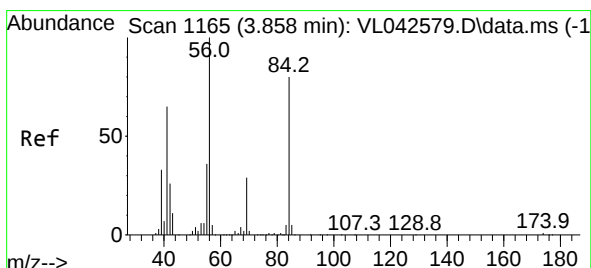
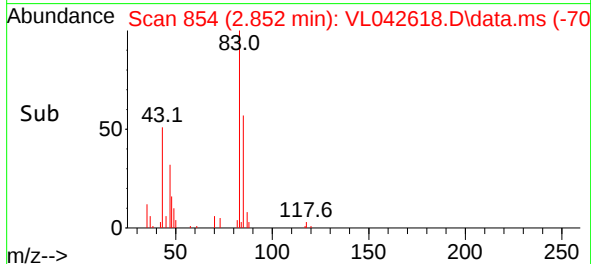
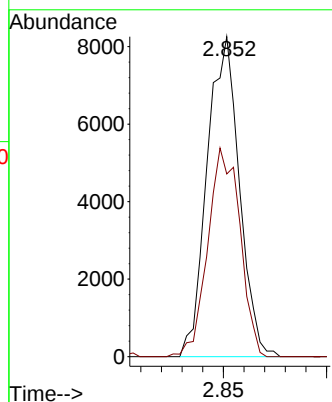
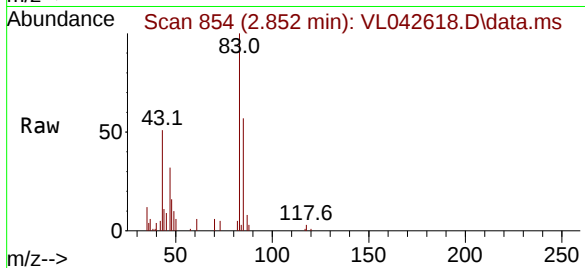
MDL-AIR-03-QT2-2025

Tgt Ion: 83 Resp: 8954

Ion Ratio Lower Upper

83 100

85 57.1 52.8 79.2



#30

Cyclohexane

Concen: 0.204 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

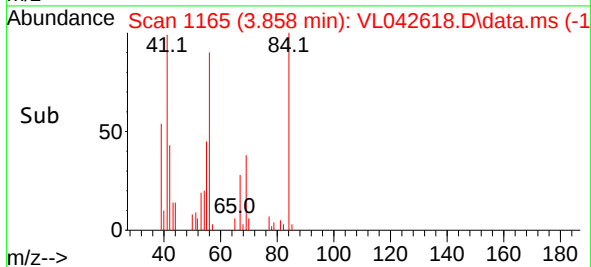
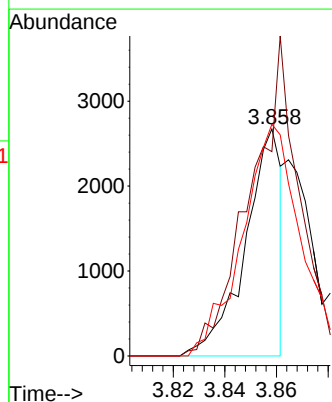
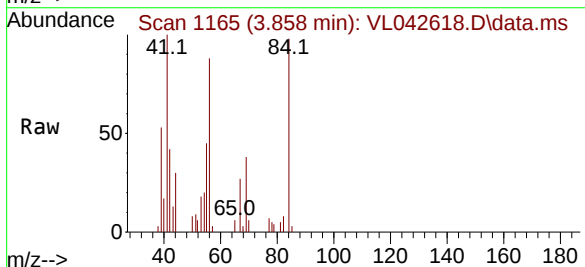
Tgt Ion: 84 Resp: 2573

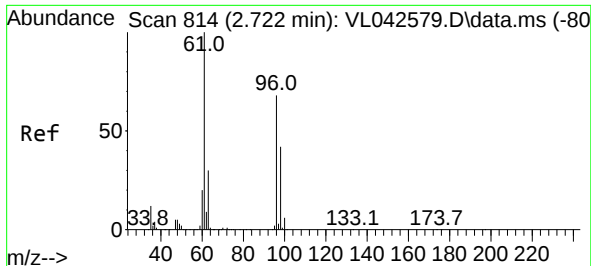
Ion Ratio Lower Upper

84 100

56 191.6 103.7 155.5#

41 167.9 65.1 97.7#

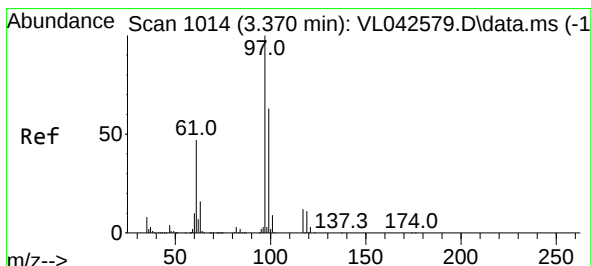
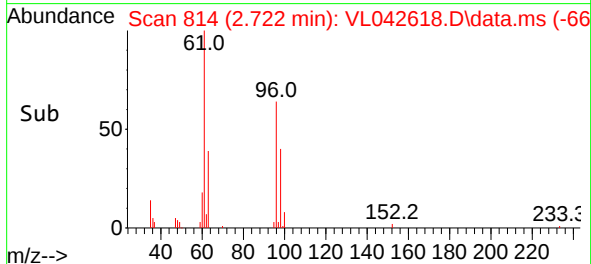
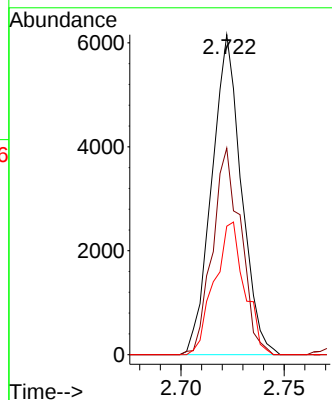
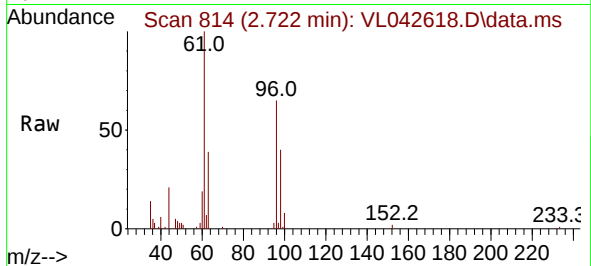




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.440 ppbv  
 RT: 2.722 min Scan# 814  
 Delta R.T. -0.000 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

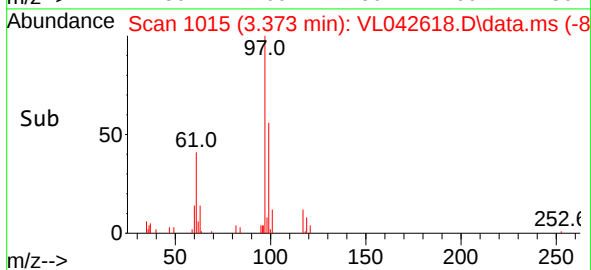
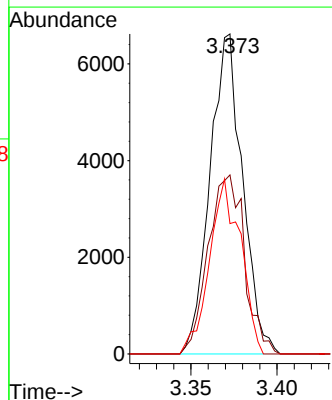
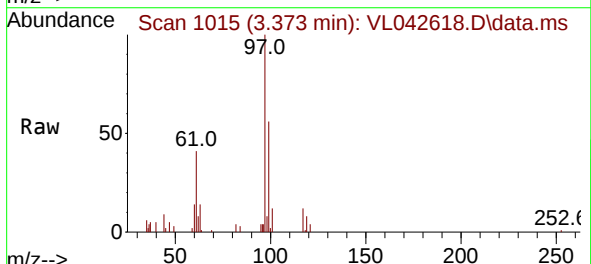
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT2-2025

Tgt Ion: 61 Resp: 6124  
 Ion Ratio Lower Upper  
 61 100  
 96 64.6 54.5 81.7  
 98 40.2 33.4 50.2



#32  
 1,1,1-Trichloroethane  
 Concen: 0.431 ppbv  
 RT: 3.373 min Scan# 1015  
 Delta R.T. 0.003 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

Tgt Ion: 97 Resp: 8698  
 Ion Ratio Lower Upper  
 97 100  
 99 62.3 51.0 76.6  
 61 52.5 39.4 59.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

Instrument :

MSVOA\_L

ClientSampleId :

MDL-AIR-03-QT2-2025

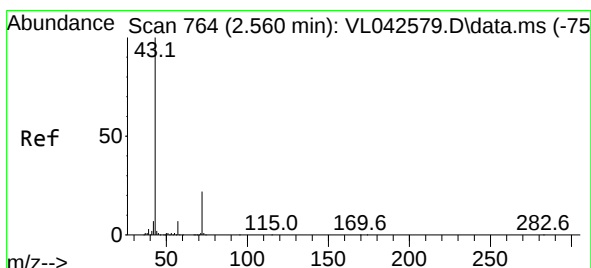
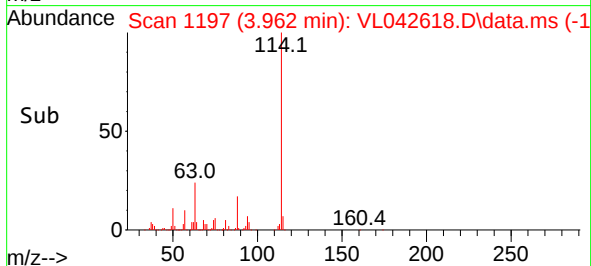
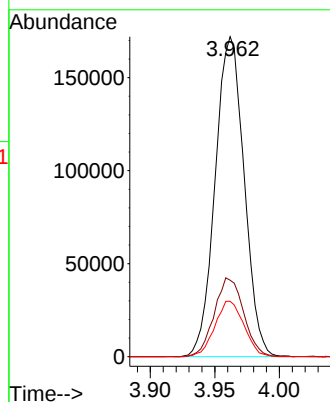
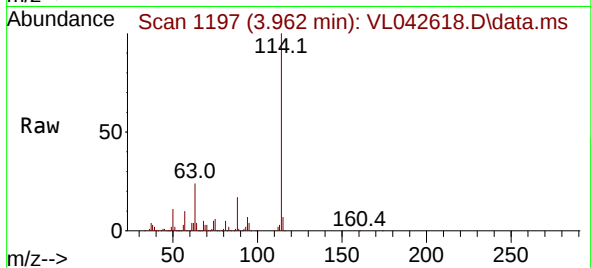
Tgt Ion:114 Resp: 268368

Ion Ratio Lower Upper

114 100

63 25.1 19.0 28.6

88 17.4 13.6 20.4



#34

2-Butanone

Concen: 0.487 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL042618.D

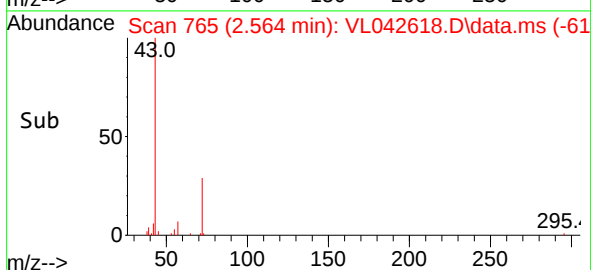
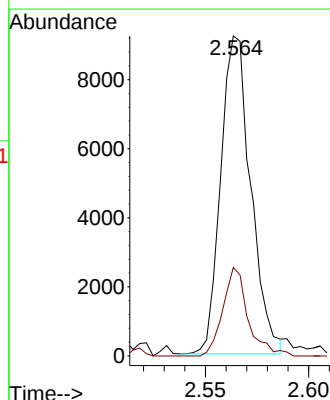
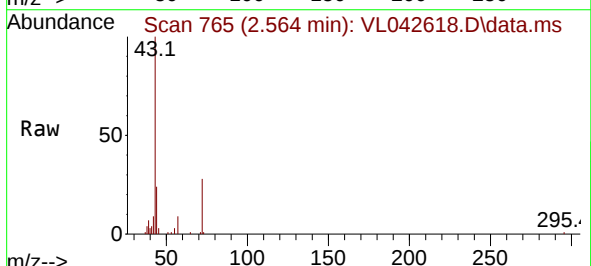
Acq: 05 Jun 2025 12:37

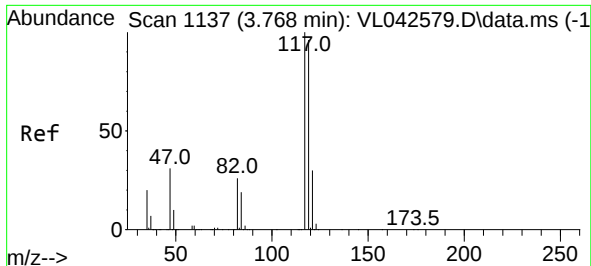
Tgt Ion: 43 Resp: 9317

Ion Ratio Lower Upper

43 100

72 23.4 17.7 26.5

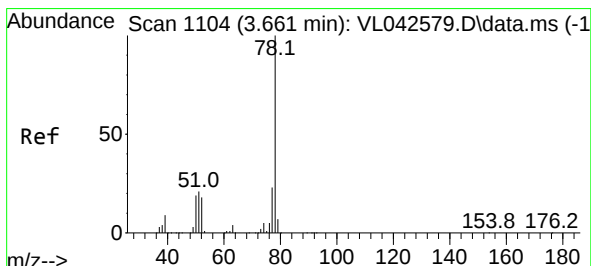
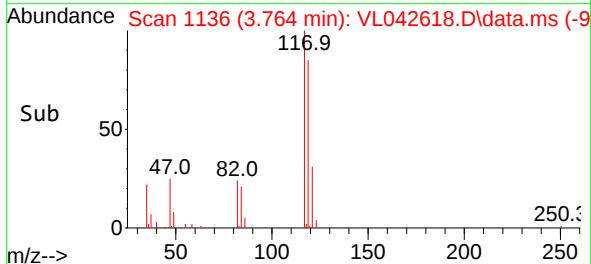
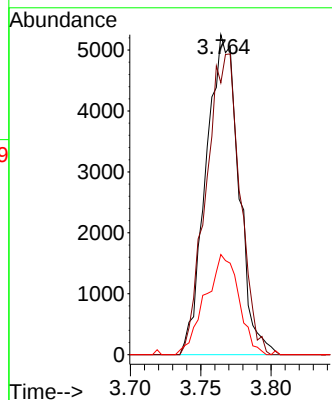
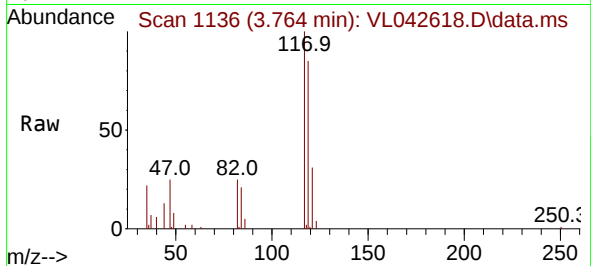




#35  
Carbon Tetrachloride  
Concen: 0.480 ppbv  
RT: 3.764 min Scan# 1136  
Delta R.T. -0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

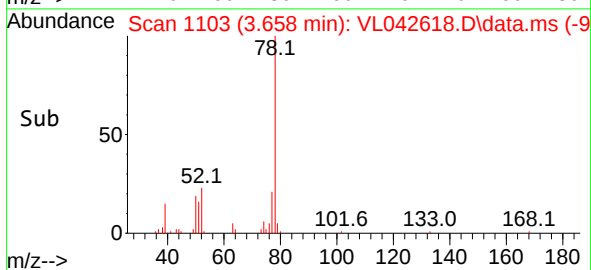
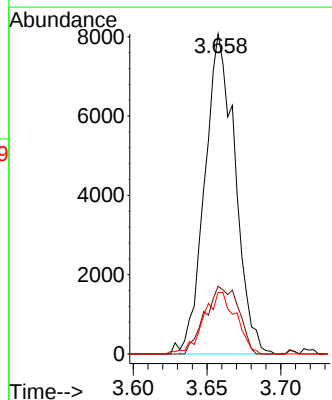
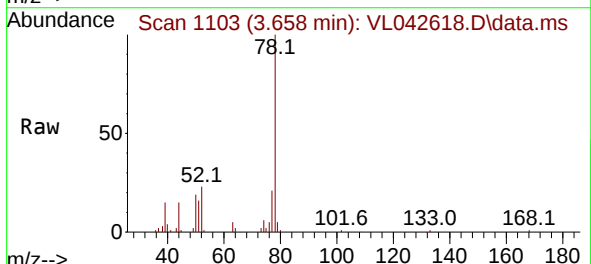
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

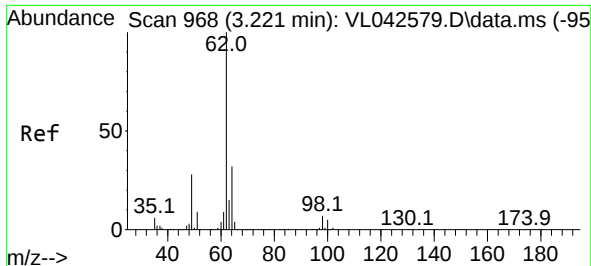
Tgt Ion:117 Resp: 8509  
Ion Ratio Lower Upper  
117 100  
119 86.3 76.8 115.2  
121 31.3 24.3 36.5



#36  
Benzene  
Concen: 0.434 ppbv  
RT: 3.658 min Scan# 1103  
Delta R.T. -0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 78 Resp: 11480  
Ion Ratio Lower Upper  
78 100  
77 21.2 18.2 27.2  
50 19.2 15.2 22.8

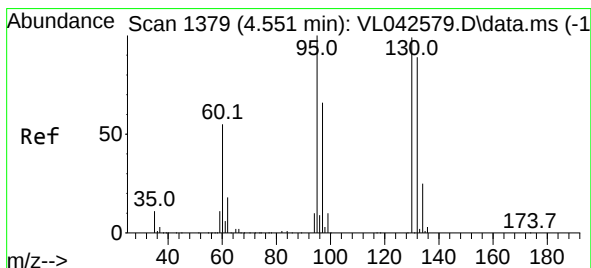
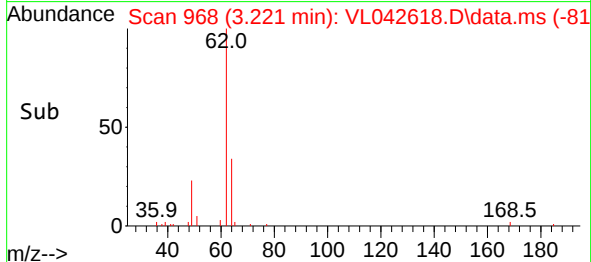
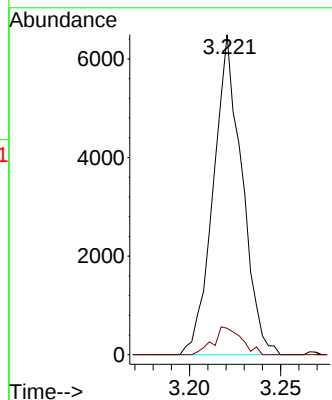
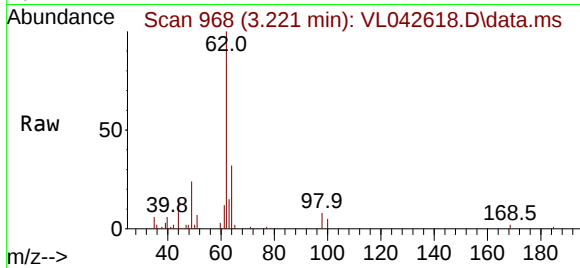




#37  
1,2-Dichloroethane  
Concen: 0.540 ppbv  
RT: 3.221 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

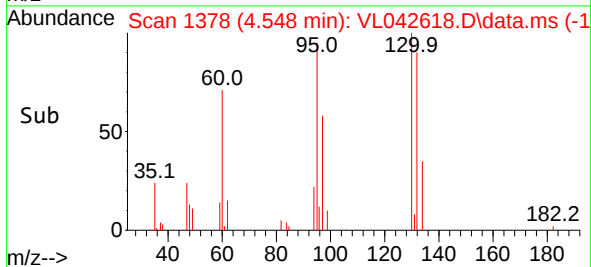
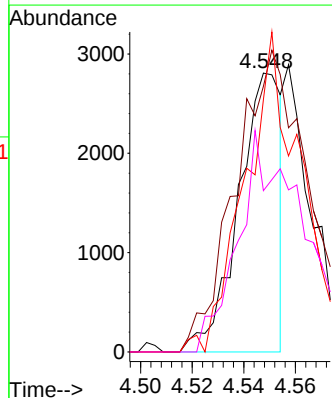
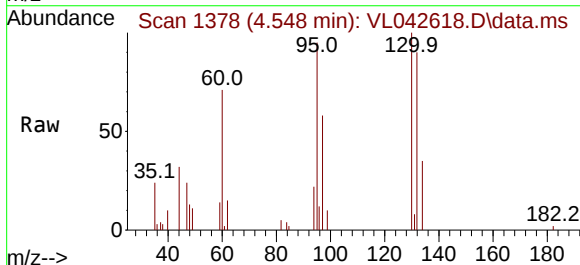
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

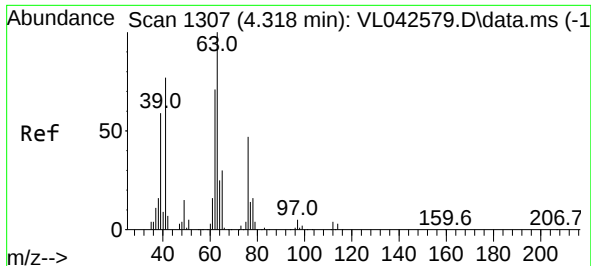
Tgt Ion: 62 Resp: 7098  
Ion Ratio Lower Upper  
62 100  
98 8.4 6.1 9.1



#38  
Trichloroethene  
Concen: 0.286 ppbv  
RT: 4.548 min Scan# 1378  
Delta R.T. -0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion:130 Resp: 3216  
Ion Ratio Lower Upper  
130 100  
95 95.3 80.6 121.0  
132 90.5 71.8 107.6  
97 57.8 53.0 79.4





#39

1,2-Dichloropropane

Concen: 0.377 ppbv

RT: 4.318 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

Instrument :

MSVOA\_L

ClientSampleId :

MDL-AIR-03-QT2-2025

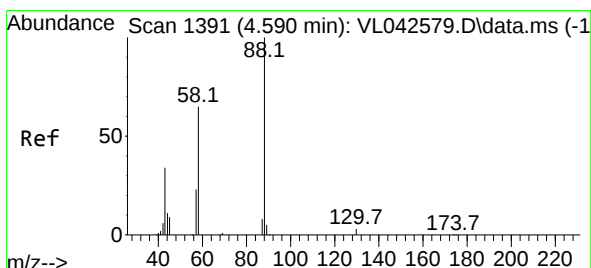
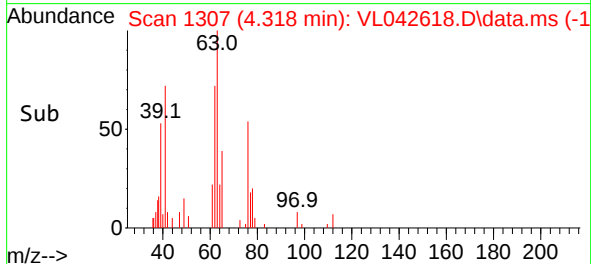
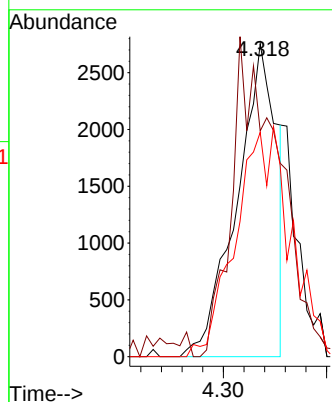
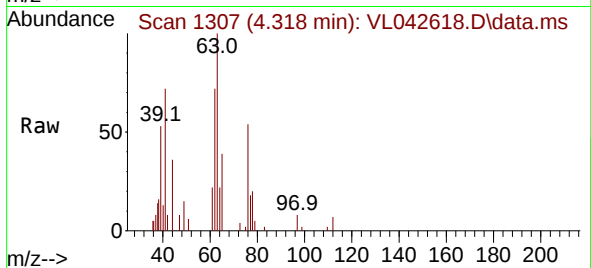
Tgt Ion: 63 Resp: 3688

Ion Ratio Lower Upper

63 100

41 68.7 61.8 92.6

62 71.7 56.6 85.0



#40

1,4-Dioxane

Concen: 0.162 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. 0.013 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

Tgt Ion: 88 Resp: 708

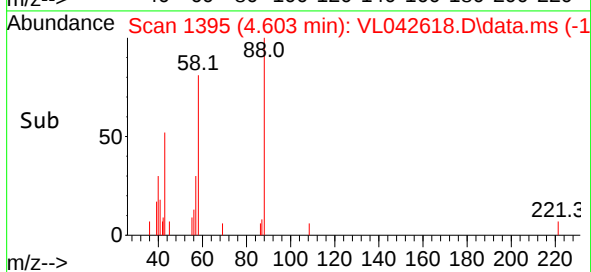
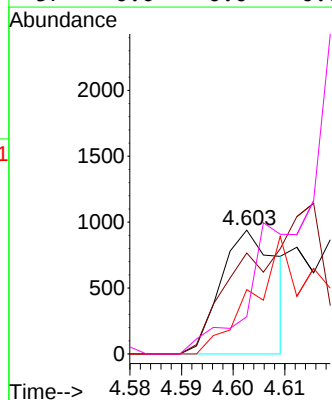
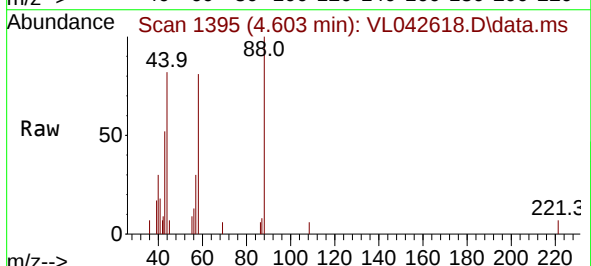
Ion Ratio Lower Upper

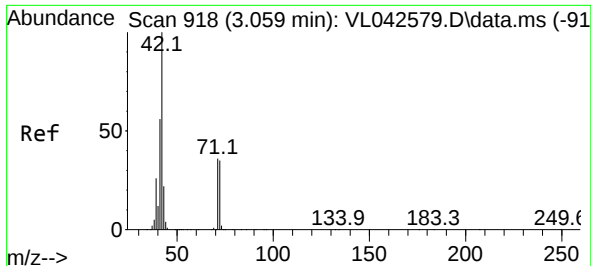
88 100

58 0.0 55.8 83.8#

43 0.0 24.8 37.2#

57 0.0 0.0 0.0

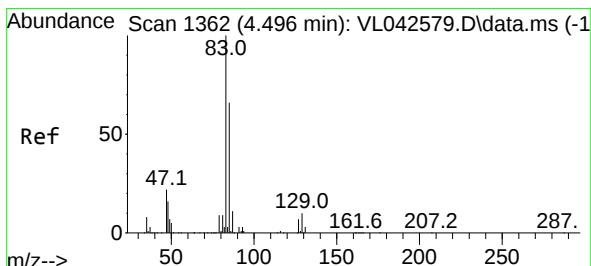
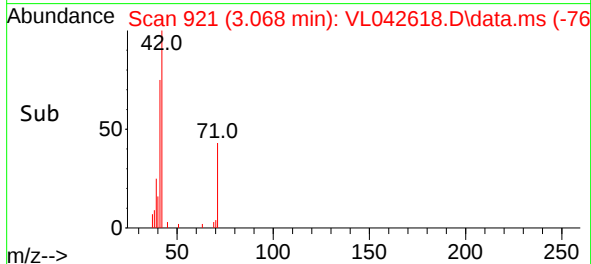
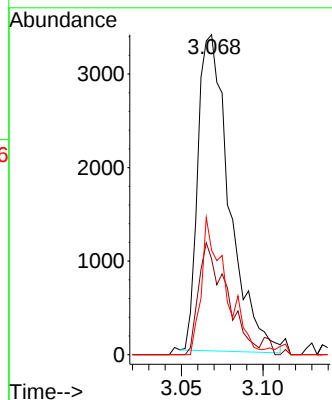
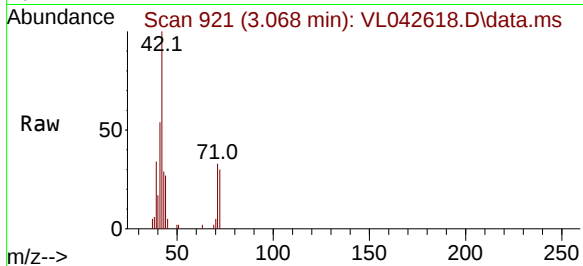




#41  
Tetrahydrofuran  
Concen: 0.405 ppbv  
RT: 3.068 min Scan# 918  
Delta R.T. 0.010 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

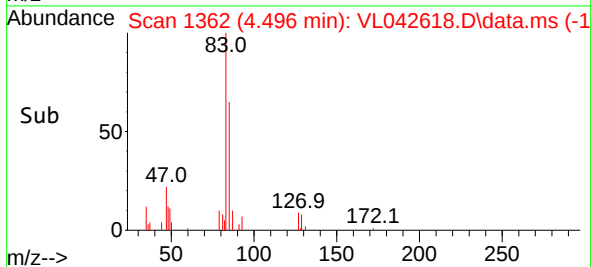
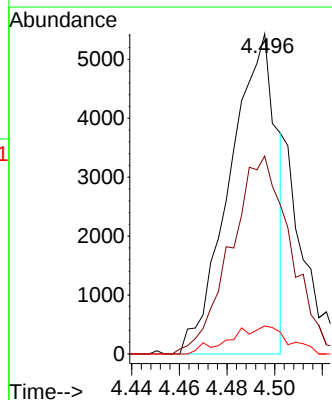
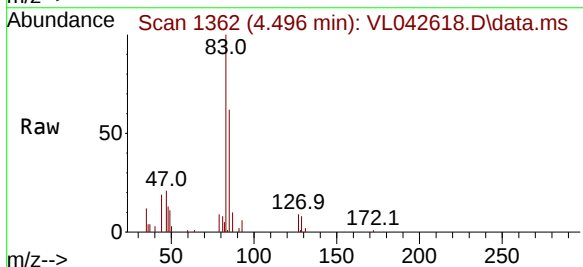
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

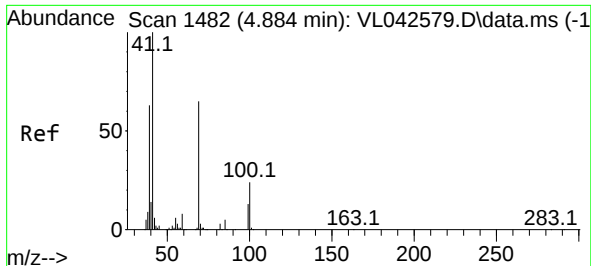
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 4535  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 33.6  | 28.9  | 43.3  |
| 71       | 35.1  | 28.5  | 42.7  |



#42  
Bromodichloromethane  
Concen: 0.396 ppbv  
RT: 4.496 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 7394  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 60.3  | 52.7  | 79.1  |
| 127      | 8.8   | 5.8   | 8.6   |





#43

Methyl Methacrylate

Concen: 0.294 ppbv

RT: 4.891 min Scan# 1484

Delta R.T. 0.006 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

Instrument :

MSVOA\_L

ClientSampleId :

MDL-AIR-03-QT2-2025

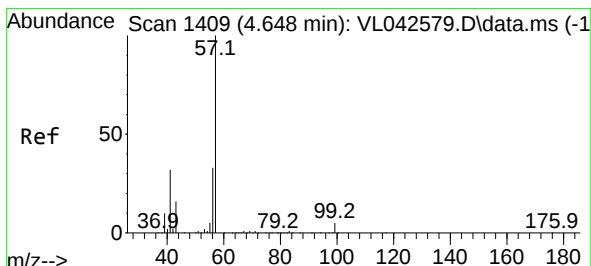
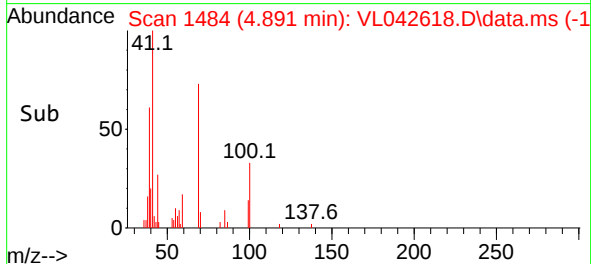
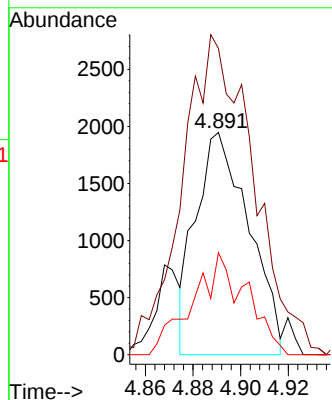
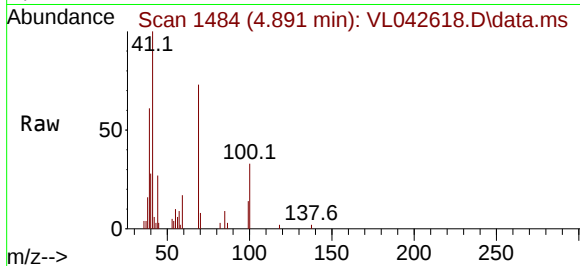
Tgt Ion: 69 Resp: 3020

Ion Ratio Lower Upper

69 100

41 192.6 124.6 187.0#

100 46.4 29.9 44.9#



#44

2,2,4-Trimethylpentane

Concen: 0.165 ppbv

RT: 4.648 min Scan# 1409

Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

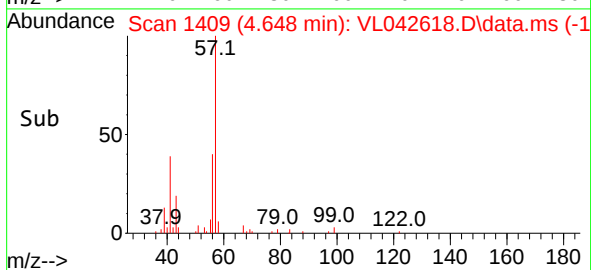
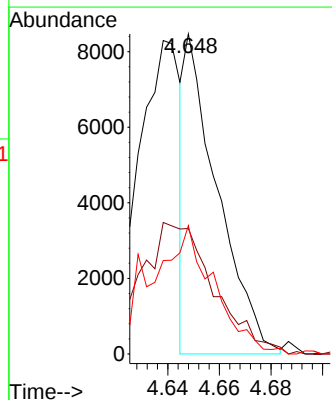
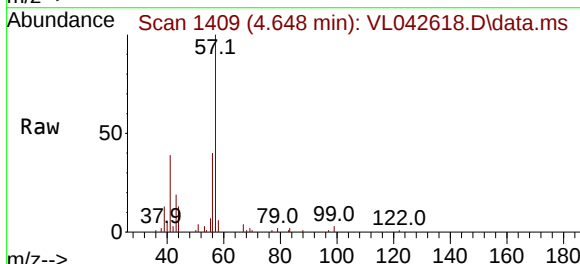
Tgt Ion: 57 Resp: 7449

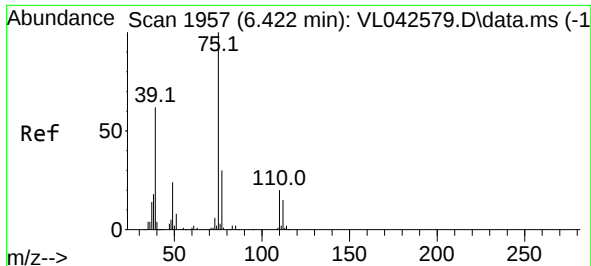
Ion Ratio Lower Upper

57 100

41 0.0 26.1 39.1#

56 82.9 25.9 38.9#

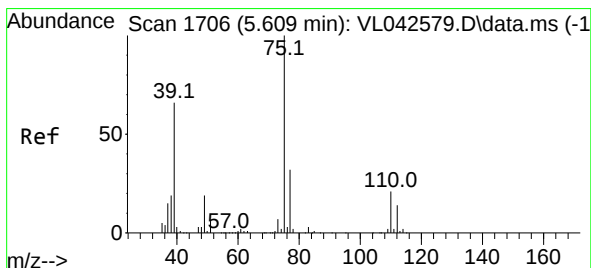
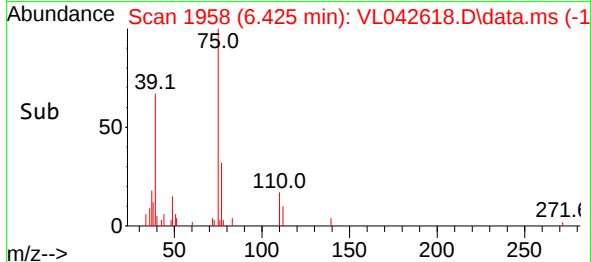
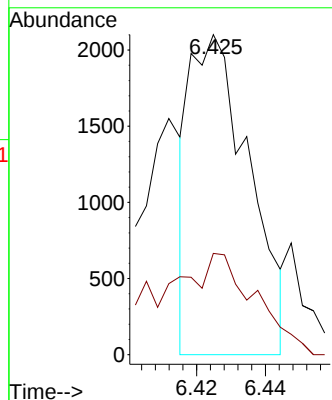
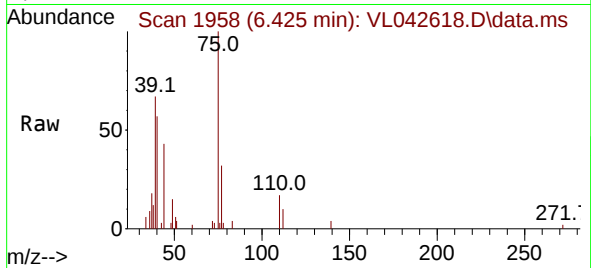




#45  
 t-1,3-Dichloropropene  
 Concen: 0.214 ppbv  
 RT: 6.425 min Scan# 1957  
 Delta R.T. 0.003 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

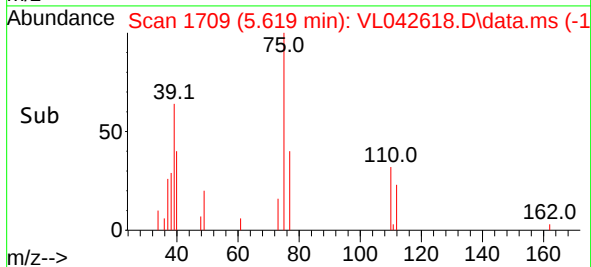
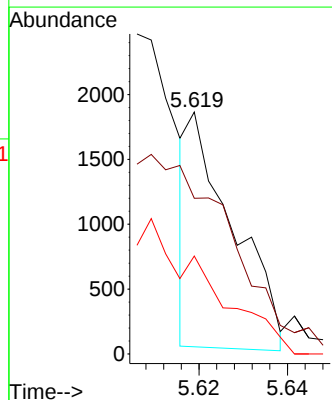
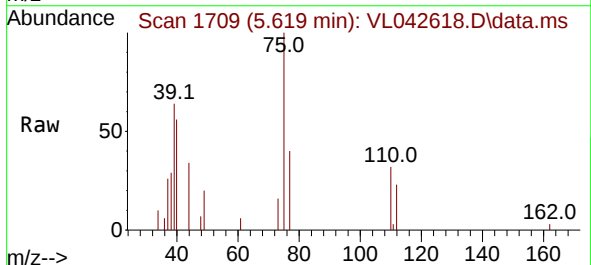
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT2-2025

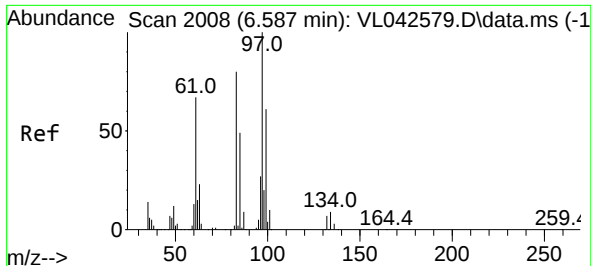
Tgt Ion: 75 Resp: 2511  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 24.2 36.2



#46  
 cis-1,3-Dichloropropene  
 Concen: 0.087 ppbv  
 RT: 5.619 min Scan# 1709  
 Delta R.T. 0.010 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

Tgt Ion: 75 Resp: 1281  
 Ion Ratio Lower Upper  
 75 100  
 39 57.8 52.7 79.1  
 77 36.8 25.8 38.8

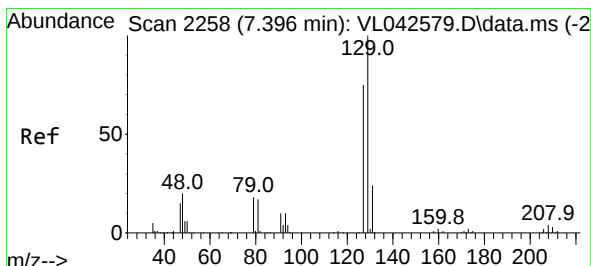
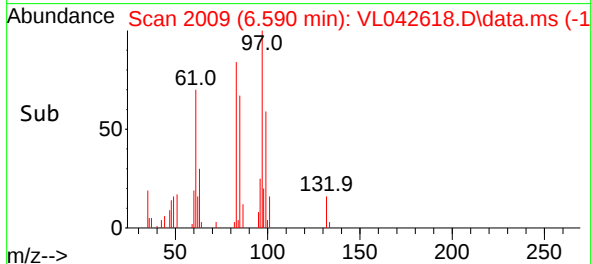
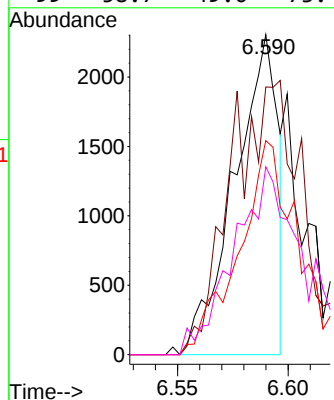
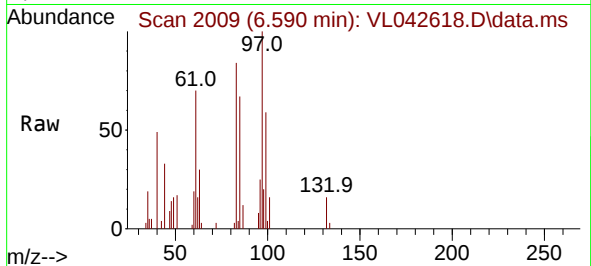




#47  
 1,1,2-Trichloroethane  
 Concen: 0.309 ppbv  
 RT: 6.590 min Scan# 20  
 Delta R.T. 0.003 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

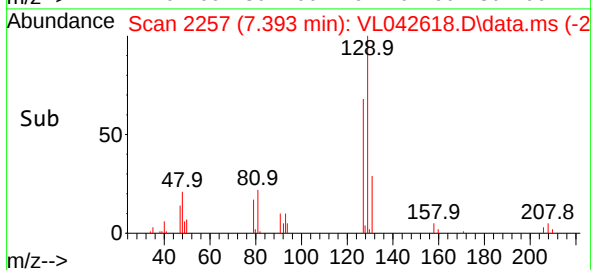
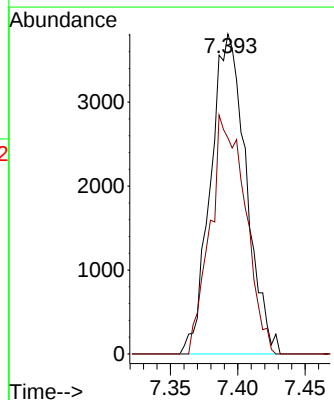
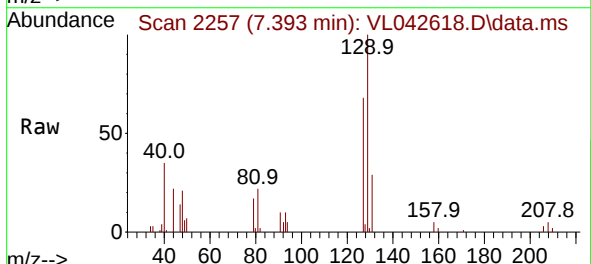
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT2-2025

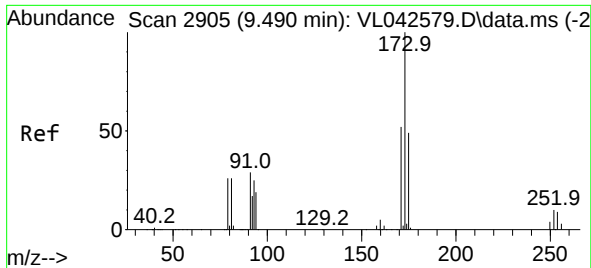
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 97 | Resp: | 3129        |
| Ion         | Ratio | Lower Upper |
| 97          | 100   |             |
| 83          | 83.6  | 63.9 95.9   |
| 85          | 66.9  | 39.2 58.8   |
| 99          | 58.7  | 49.0 73.4   |



#48  
 Dibromochloromethane  
 Concen: 0.433 ppbv  
 RT: 7.393 min Scan# 2257  
 Delta R.T. -0.003 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

|              |       |             |
|--------------|-------|-------------|
| Tgt Ion: 129 | Resp: | 7011        |
| Ion          | Ratio | Lower Upper |
| 129          | 100   |             |
| 127          | 73.8  | 39.0 116.9  |





#49

Bromoform

Concen: 0.392 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. -0.000 min

Lab File: VL042618.D

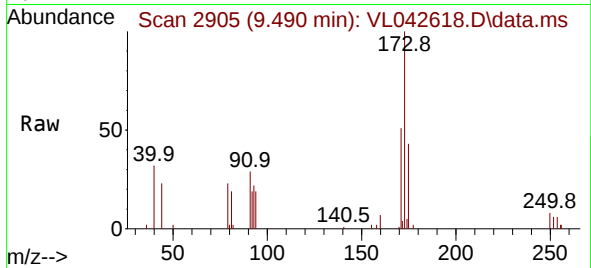
Acq: 05 Jun 2025 12:37

Instrument :

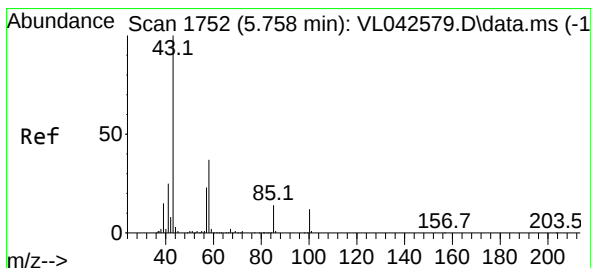
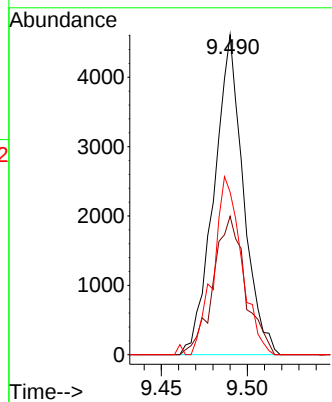
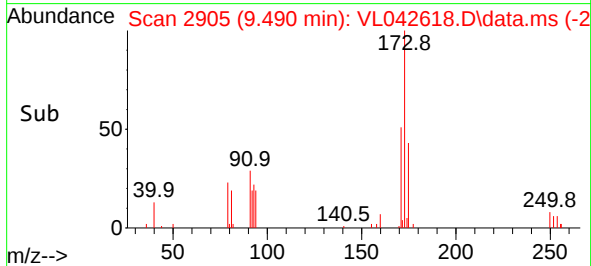
MSVOA\_L

ClientSampleId :

MDL-AIR-03-QT2-2025



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 5476 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 47.2  | 38.7  | 58.1 |
| 171       | 53.7  | 41.2  | 61.8 |



#50

4-Methyl-2-Pentanone

Concen: 0.194 ppbv

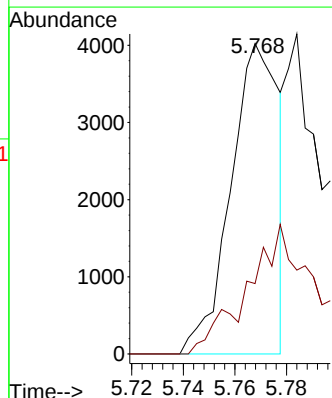
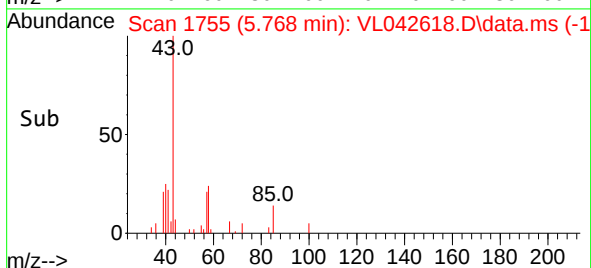
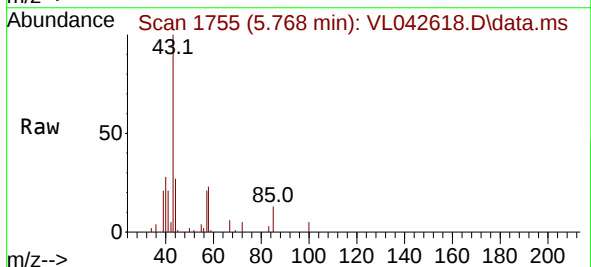
RT: 5.768 min Scan# 1755

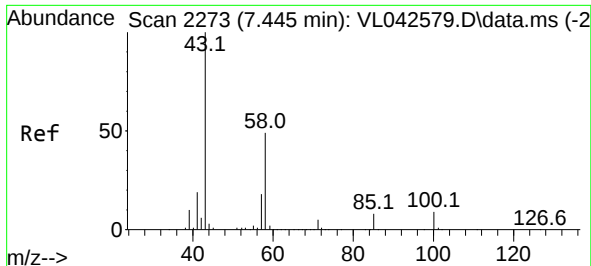
Delta R.T. 0.010 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 43    | Resp: | 5148 |
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 58        | 0.0   | 28.3  | 42.5 |

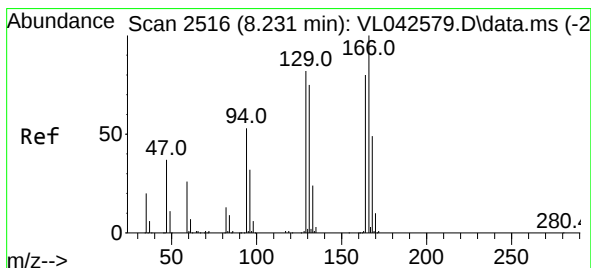
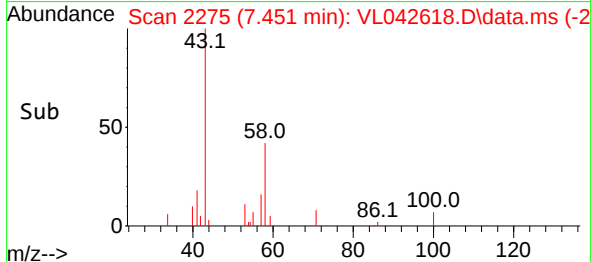
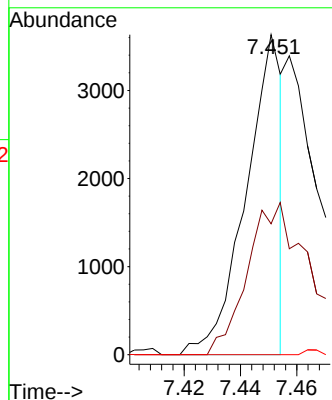
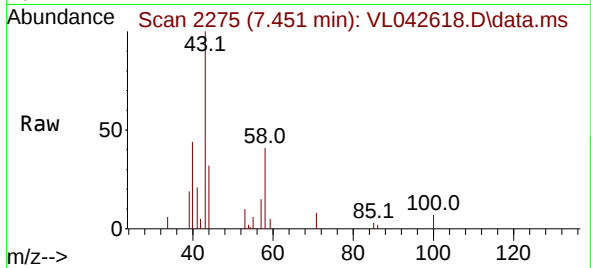




#51  
2-Hexanone  
Concen: 0.152 ppbv  
RT: 7.451 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

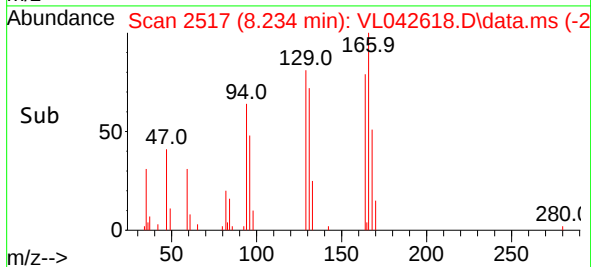
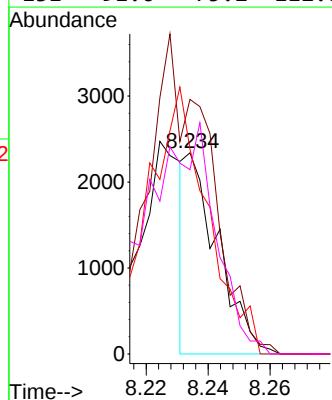
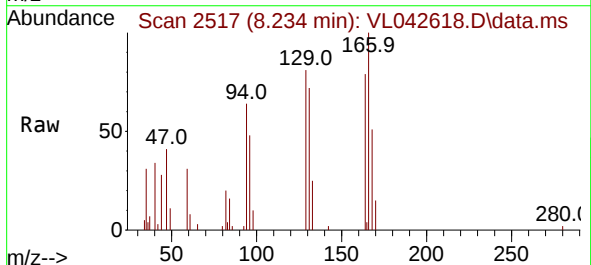
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MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

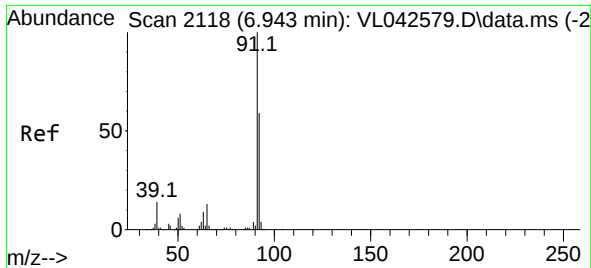
Tgt Ion: 43 Resp: 3199  
Ion Ratio Lower Upper  
43 100  
58 94.1 39.9 59.9#  
98 0.0 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 0.169 ppbv  
RT: 8.234 min Scan# 2517  
Delta R.T. 0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 164 Resp: 1671  
Ion Ratio Lower Upper  
164 100  
166 126.5 100.0 150.0  
129 101.9 82.2 123.4  
131 91.6 75.2 112.8

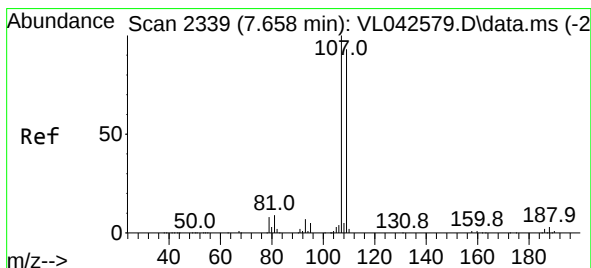
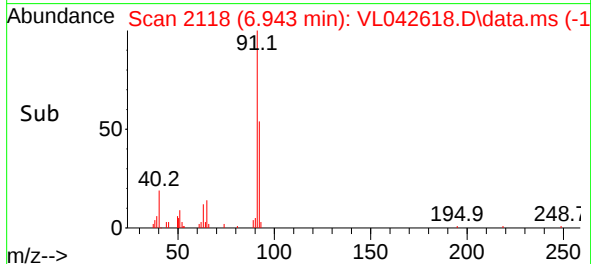
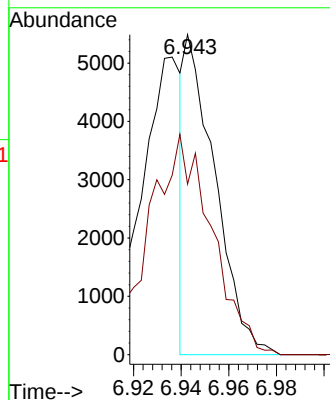
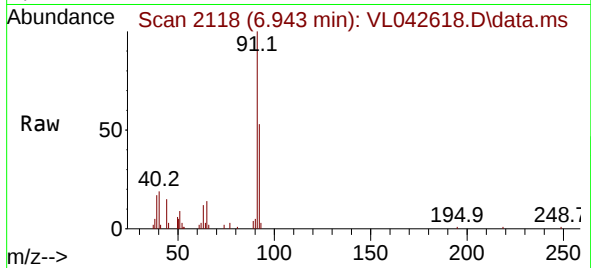




#53  
Toluene  
Concen: 0.160 ppbv  
RT: 6.943 min Scan# 2118  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

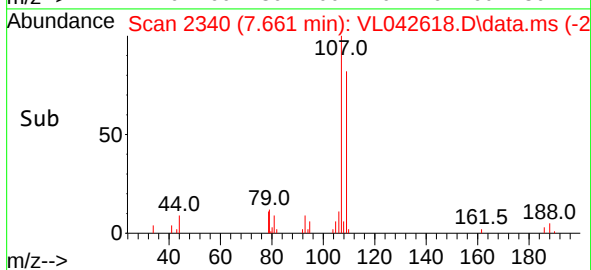
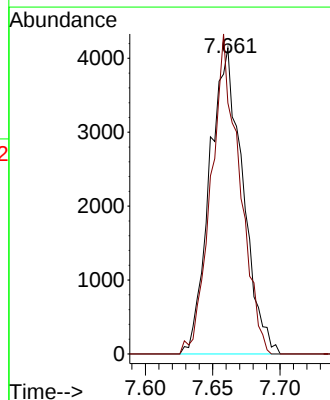
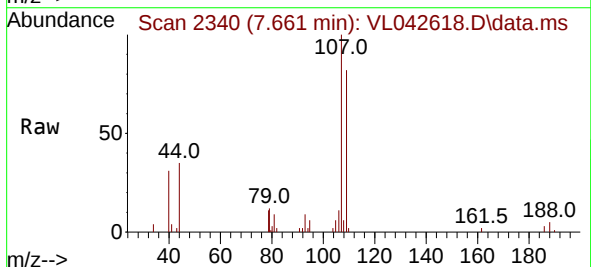
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MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

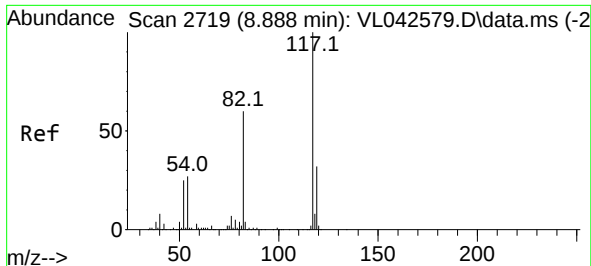
Tgt Ion: 91 Resp: 4893  
Ion Ratio Lower Upper  
91 100  
92 141.4 48.2 72.4#



#54  
1,2-Dibromoethane  
Concen: 0.473 ppbv  
RT: 7.661 min Scan# 2340  
Delta R.T. 0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 107 Resp: 7080  
Ion Ratio Lower Upper  
107 100  
109 82.0 74.3 111.5

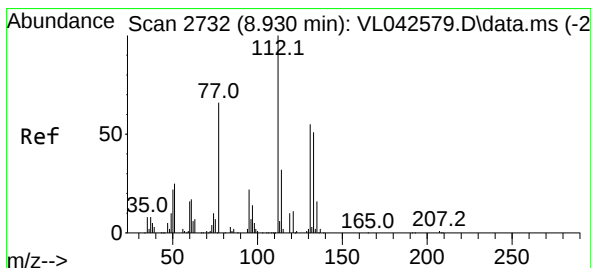
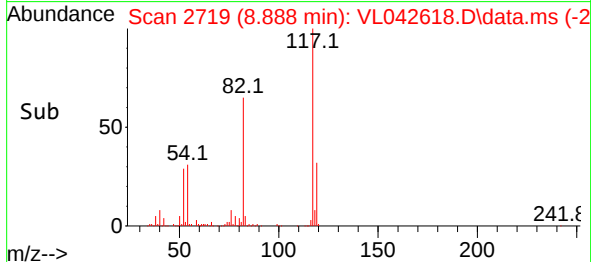
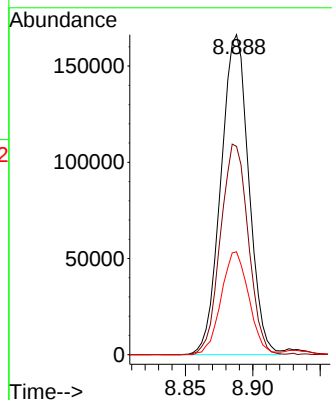
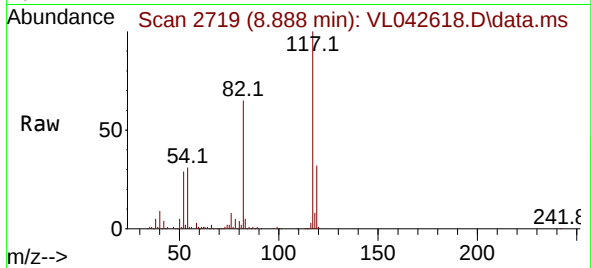




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.888 min Scan# 2719  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

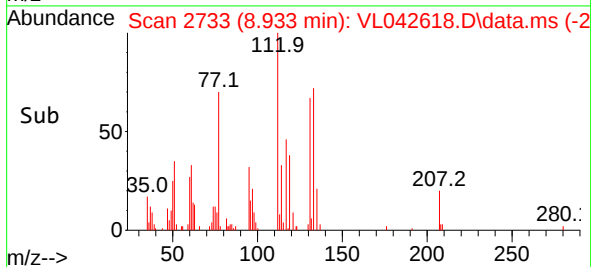
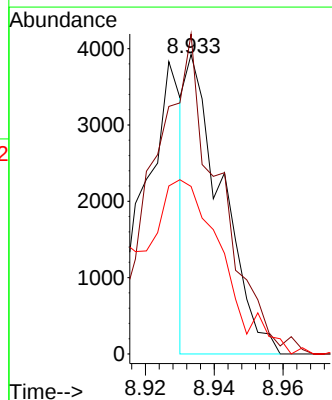
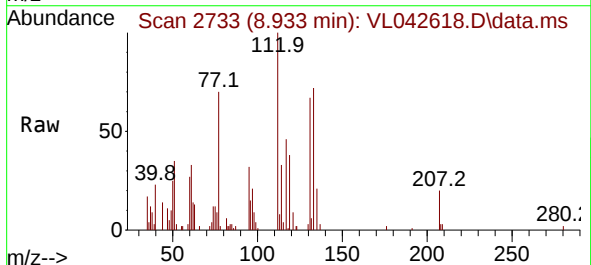
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

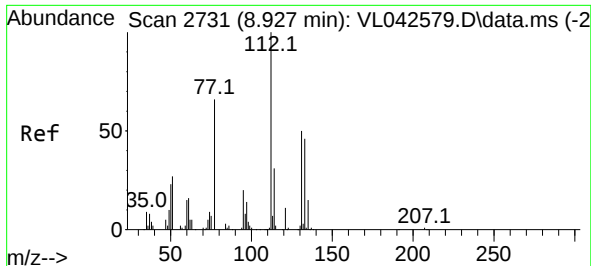
Tgt Ion:117 Resp: 239459  
Ion Ratio Lower Upper  
117 100  
82 65.8 51.2 76.8  
119 33.4 26.3 39.5



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.233 ppbv  
RT: 8.933 min Scan# 2733  
Delta R.T. 0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion:131 Resp: 2801  
Ion Ratio Lower Upper  
131 100  
133 202.0 75.0 112.6#  
119 0.0 50.8 76.2#





#57

Chlorobenzene

Concen: 0.282 ppbv

RT: 8.930 min Scan# 2731

Delta R.T. 0.003 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

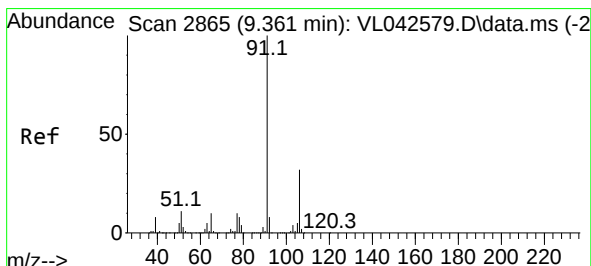
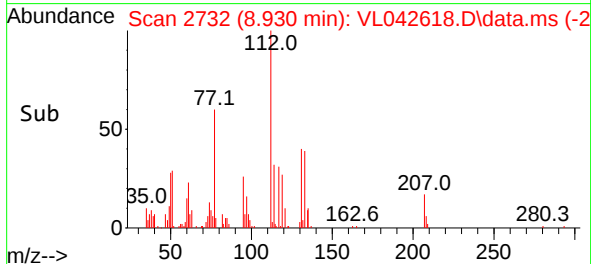
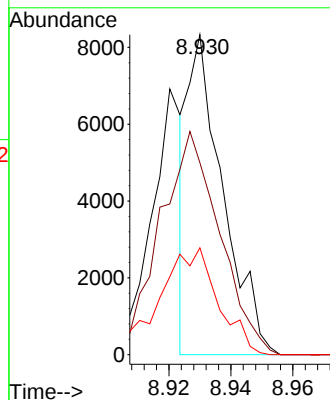
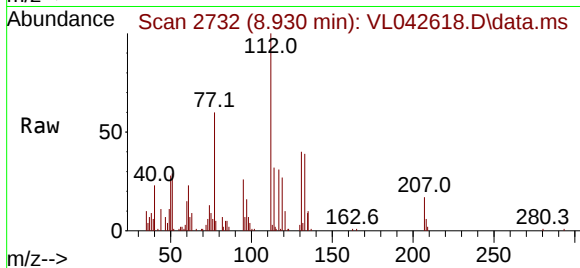
Instrument :

MSVOA\_L

ClientSampleId :

MDL-AIR-03-QT2-2025

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:112 | Resp: | 6568        |
| Ion         | Ratio | Lower Upper |
| 112         | 100   |             |
| 77          | 60.0  | 53.5 80.3   |
| 114         | 33.4  | 27.8 34.0   |



#58

Ethyl Benzene

Concen: 0.338 ppbv

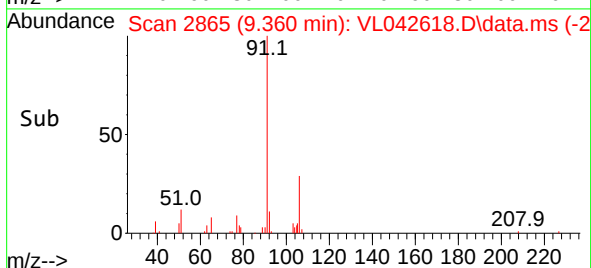
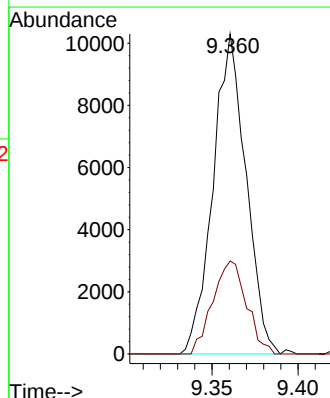
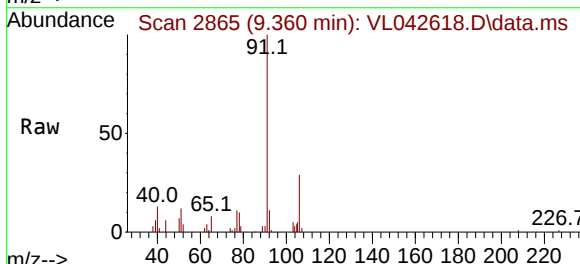
RT: 9.360 min Scan# 2865

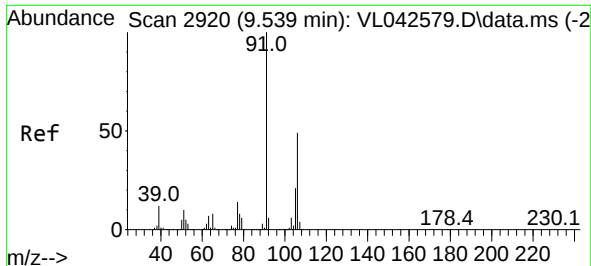
Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 91 | Resp: | 13713       |
| Ion         | Ratio | Lower Upper |
| 91          | 100   |             |
| 106         | 29.1  | 25.9 38.9   |





#59

m/p-Xylene

Concen: 0.334 ppbv

RT: 9.542 min Scan# 2920

Delta R.T. 0.003 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

Instrument :

MSVOA\_L

ClientSampleId :

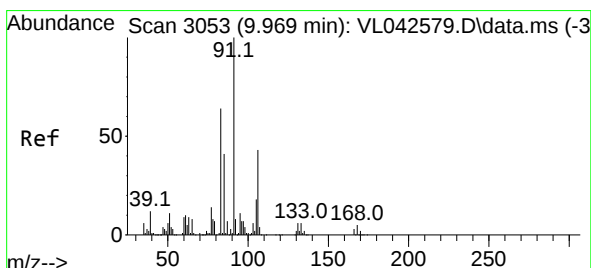
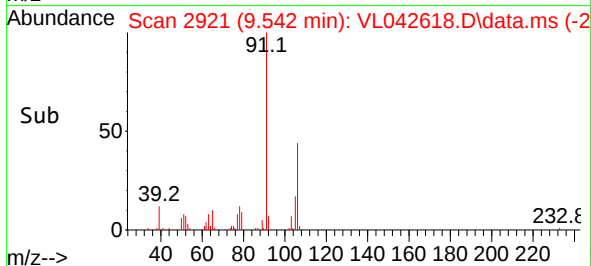
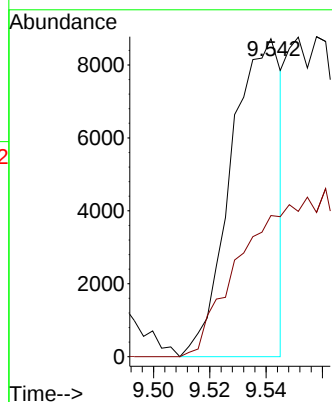
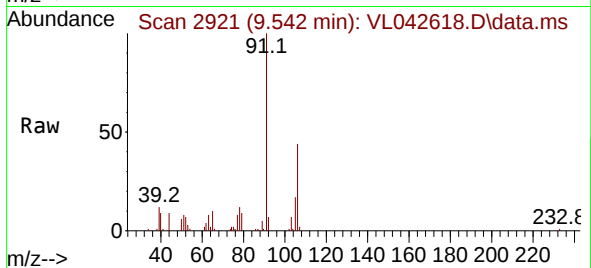
MDL-AIR-03-QT2-2025

Tgt Ion: 91 Resp: 10677

Ion Ratio Lower Upper

91 100

106 0.0 38.8 58.2#



#60

o-Xylene

Concen: 0.344 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL042618.D

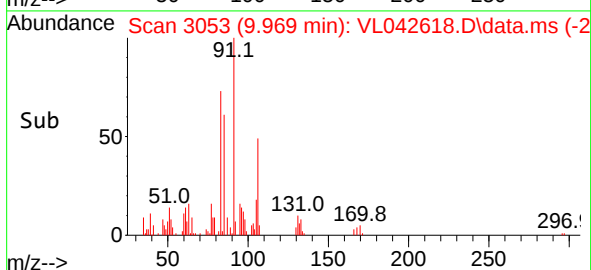
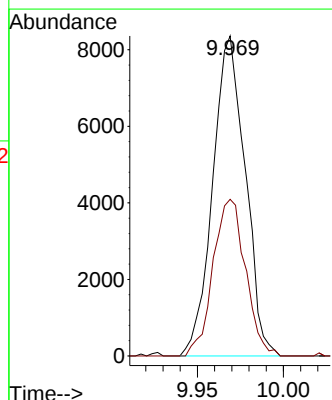
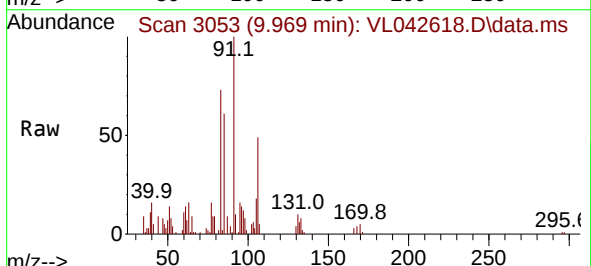
Acq: 05 Jun 2025 12:37

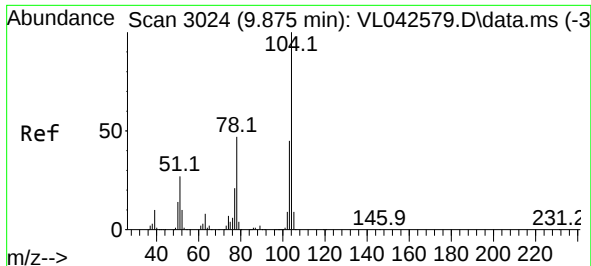
Tgt Ion: 91 Resp: 10981

Ion Ratio Lower Upper

91 100

106 48.9 22.9 68.5

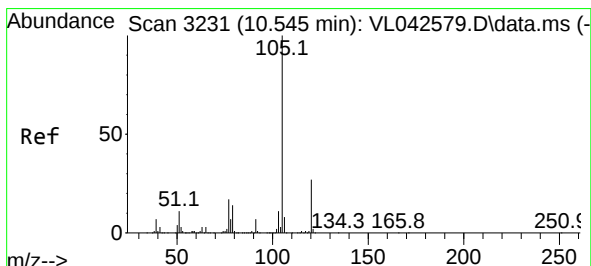
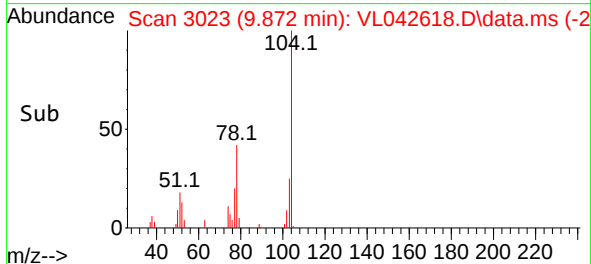
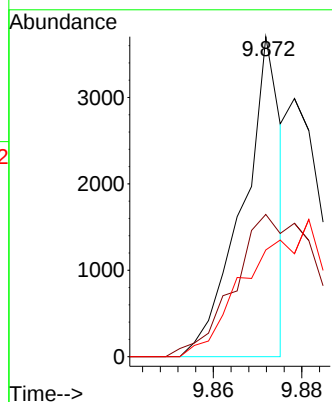
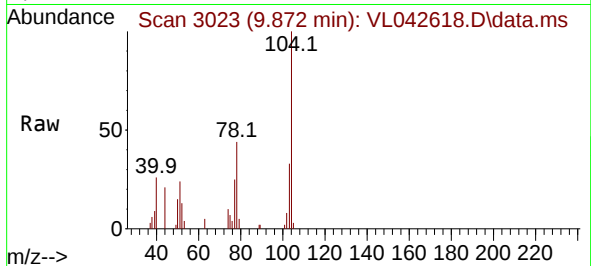




#61  
Styrene  
Concen: 0.149 ppbv  
RT: 9.872 min Scan# 3024  
Delta R.T. -0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

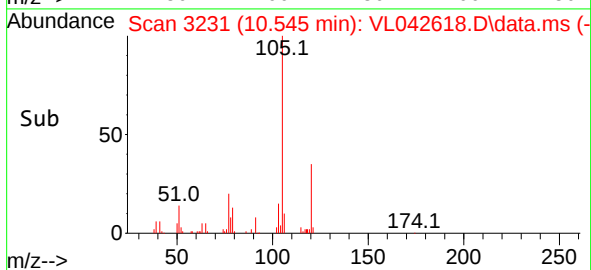
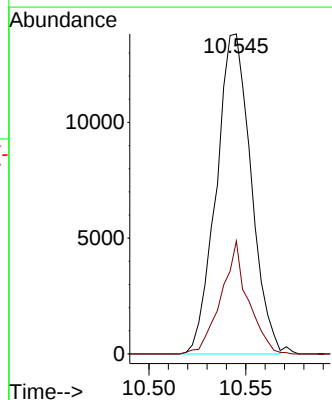
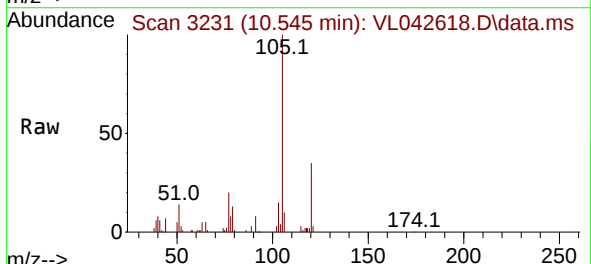
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

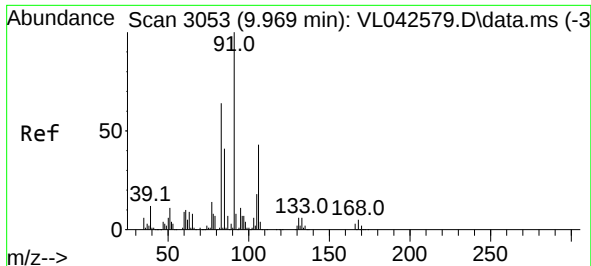
Tgt Ion:104 Resp: 2241  
Ion Ratio Lower Upper  
104 100  
78 100.7 38.2 57.4#  
103 0.0 36.7 55.1#



#62  
Isopropylbenzene  
Concen: 0.365 ppbv  
RT: 10.545 min Scan# 3231  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion:105 Resp: 17205  
Ion Ratio Lower Upper  
105 100  
120 27.4 20.9 31.3

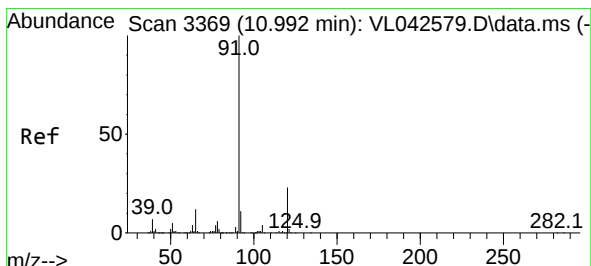
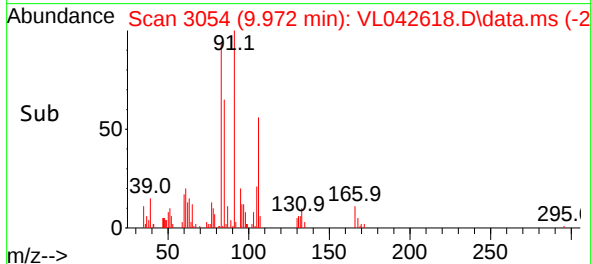
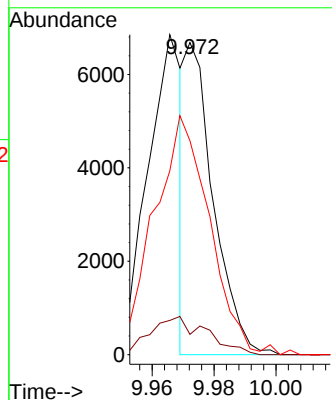
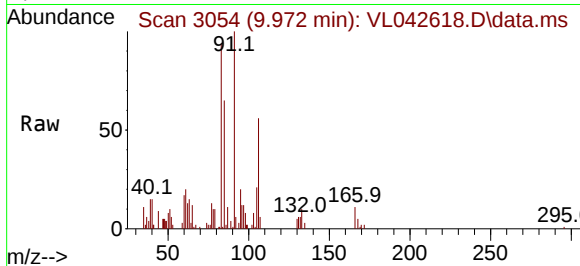




#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.205 ppbv  
RT: 9.972 min Scan# 3054  
Delta R.T. 0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

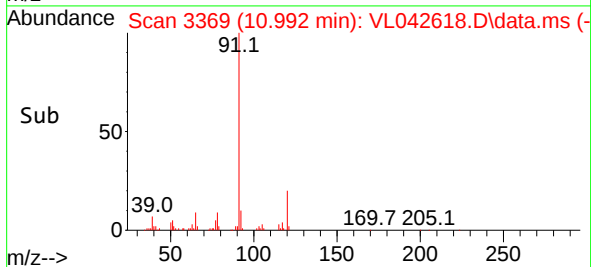
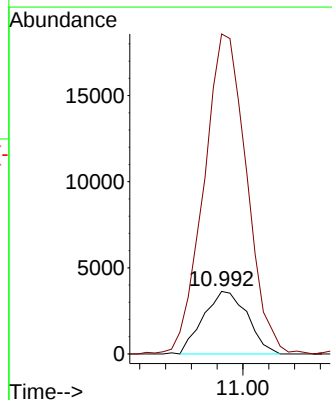
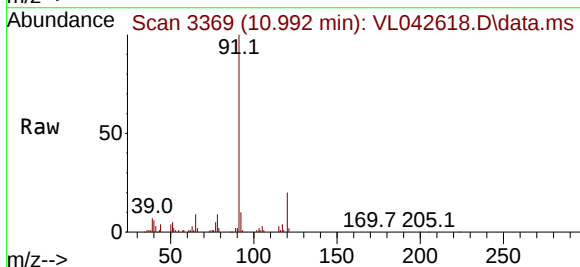
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

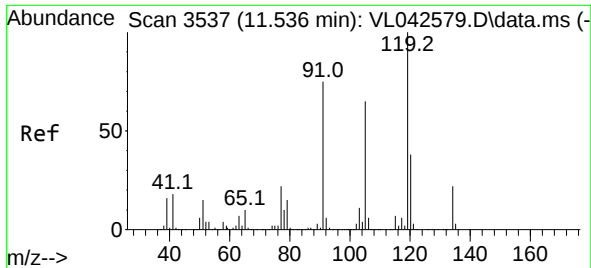
Tgt Ion: 83 Resp: 4152  
Ion Ratio Lower Upper  
83 100  
131 25.1 4.8 14.4#  
85 155.4 32.5 97.4#



#64  
n-propylbenzene  
Concen: 0.341 ppbv  
RT: 10.992 min Scan# 3369  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 120 Resp: 4310  
Ion Ratio Lower Upper  
120 100  
91 498.0 363.0 544.6

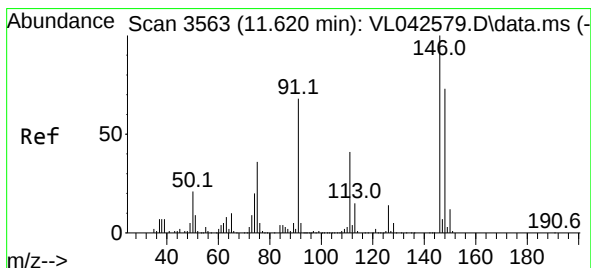
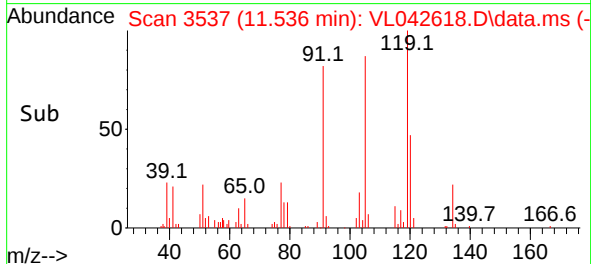
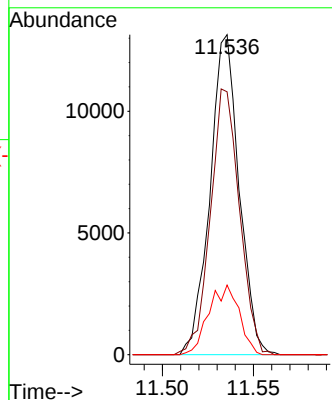
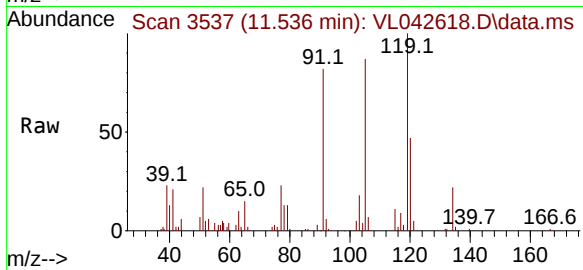




#65  
tert-Butylbenzene  
Concen: 0.342 ppbv  
RT: 11.536 min Scan# 3537  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

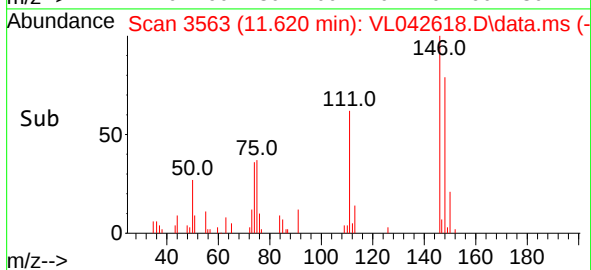
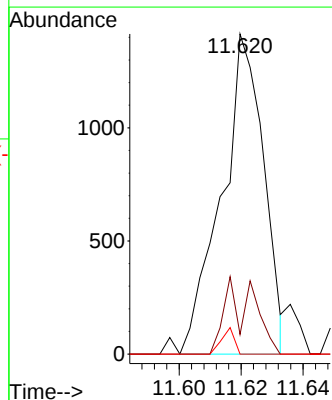
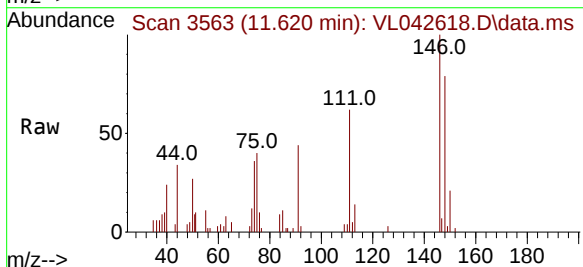
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

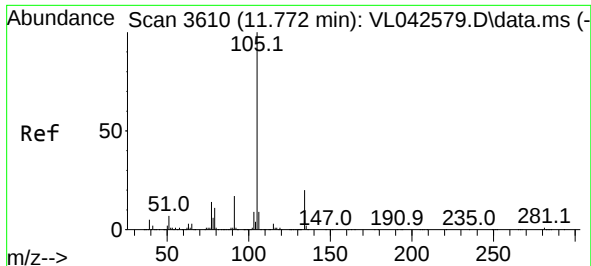
Tgt Ion:119 Resp: 14612  
Ion Ratio Lower Upper  
119 100  
91 82.8 61.1 91.7  
134 22.8 17.4 26.2



#66  
Benzyl Chloride  
Concen: 0.242 ppbv  
RT: 11.620 min Scan# 3563  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 91 Resp: 1332  
Ion Ratio Lower Upper  
91 100  
126 16.3 15.1 22.7  
128 2.5 5.0 7.6#

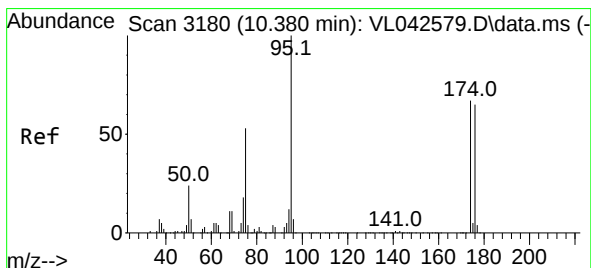
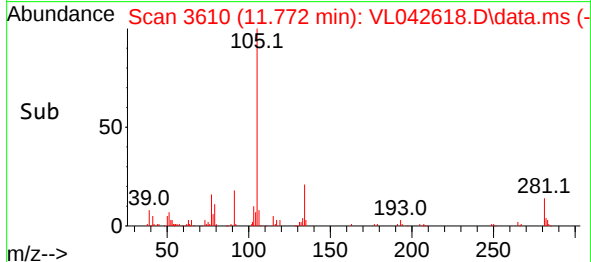
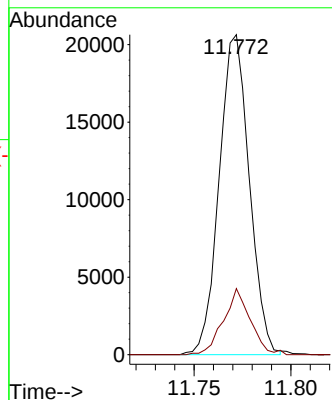
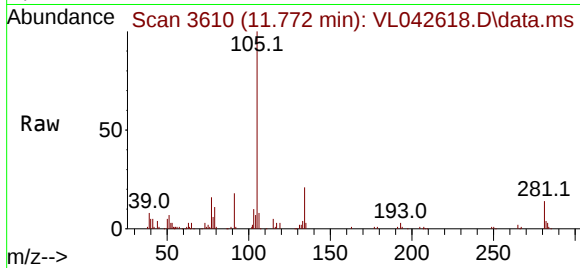




#67  
 sec-Butylbenzene  
 Concen: 0.372 ppbv  
 RT: 11.772 min Scan# 3610  
 Delta R.T. -0.000 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

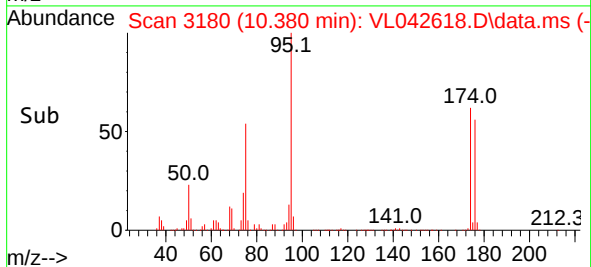
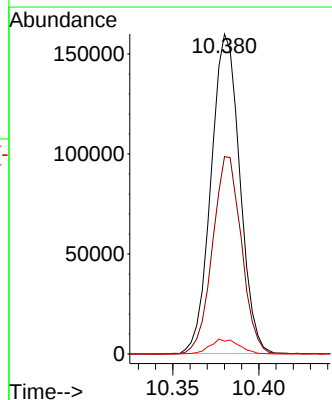
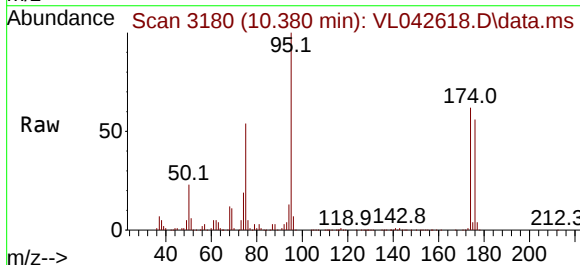
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT2-2025

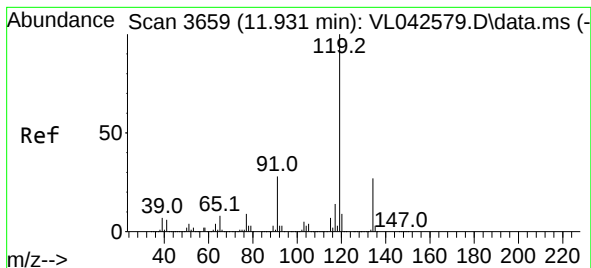
Tgt Ion:105 Resp: 22340  
 Ion Ratio Lower Upper  
 105 100  
 134 18.5 15.8 23.6



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.333 ppbv  
 RT: 10.380 min Scan# 3180  
 Delta R.T. -0.000 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

Tgt Ion: 95 Resp: 185484  
 Ion Ratio Lower Upper  
 95 100  
 174 62.3 53.1 79.7  
 175 4.7 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.328 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

Instrument :

MSVOA\_1

ClientSampleId :

MDL-AIR-03-QT2-2025

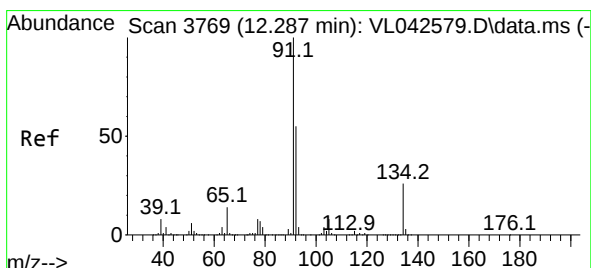
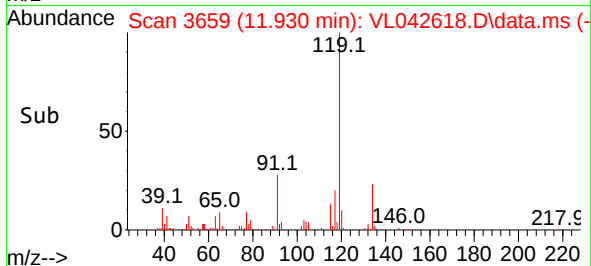
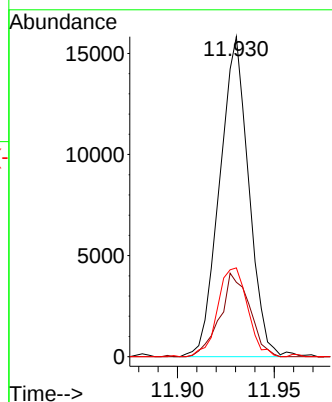
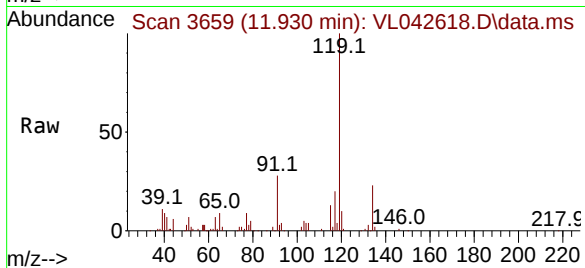
Tgt Ion:119 Resp: 16489

Ion Ratio Lower Upper

119 100

134 26.7 21.1 31.7

91 29.0 21.9 32.9



#70

n-Butylbenzene

Concen: 0.308 ppbv

RT: 12.286 min Scan# 3769

Delta R.T. -0.000 min

Lab File: VL042618.D

Acq: 05 Jun 2025 12:37

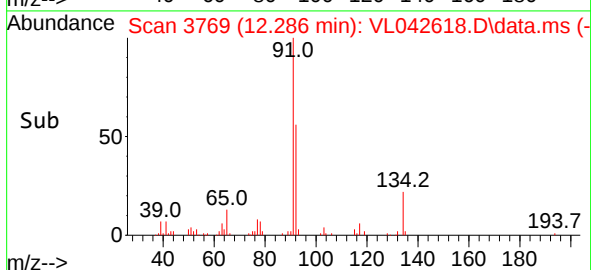
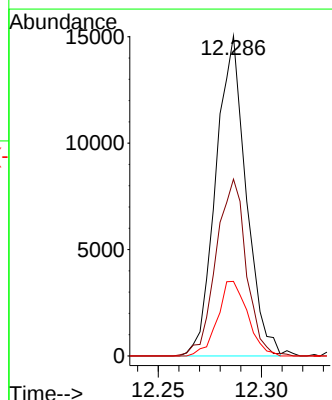
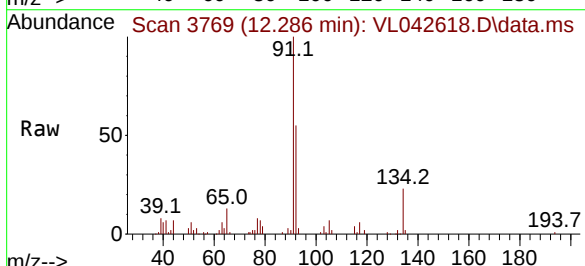
Tgt Ion: 91 Resp: 15308

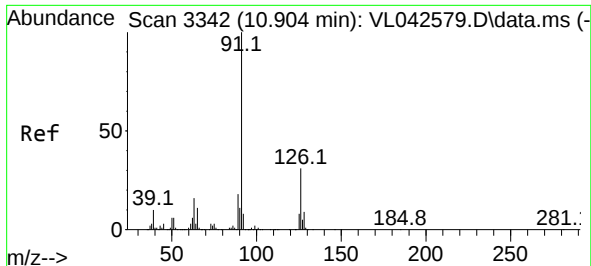
Ion Ratio Lower Upper

91 100

92 55.2 44.4 66.6

134 23.2 20.1 30.1

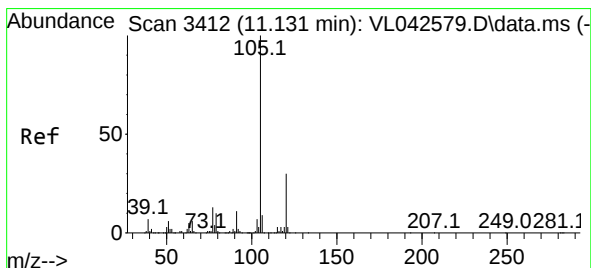
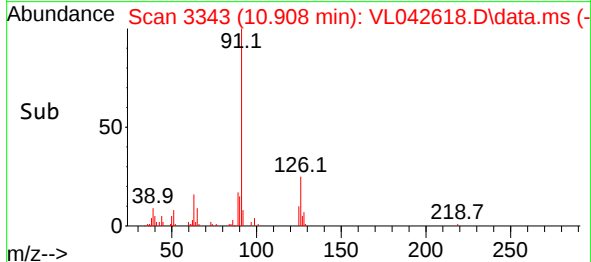
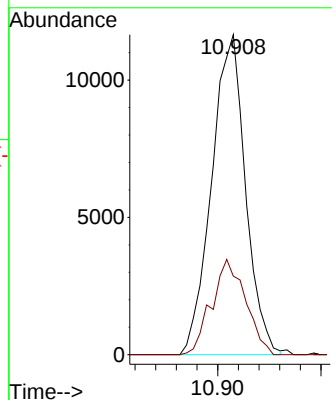
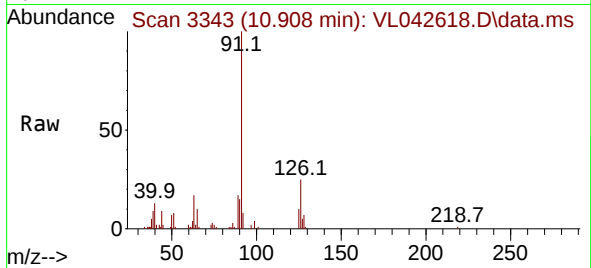




#71  
2-Chlorotoluene  
Concen: 0.370 ppbv  
RT: 10.908 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

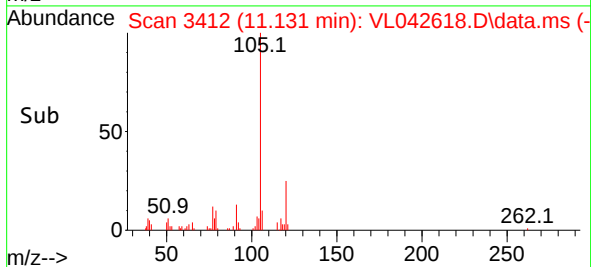
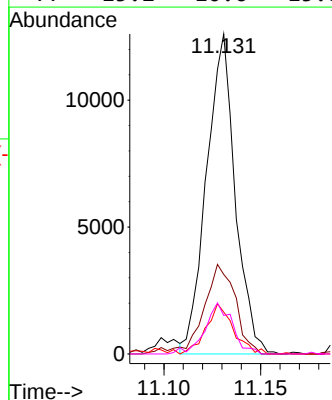
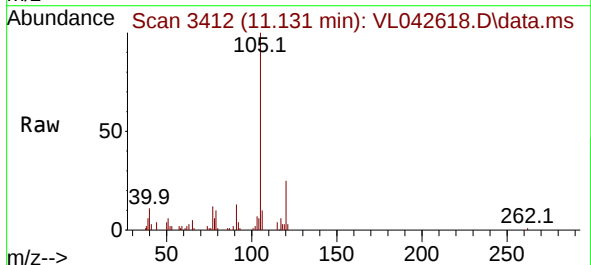
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

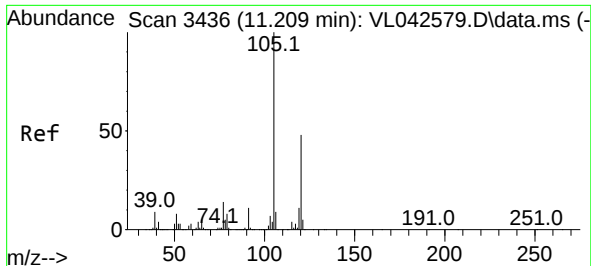
Tgt Ion: 91 Resp: 13281  
Ion Ratio Lower Upper  
91 100  
126 29.9 12.6 50.4



#72  
4-Ethyltoluene  
Concen: 0.327 ppbv  
RT: 11.131 min Scan# 3412  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion: 105 Resp: 13006  
Ion Ratio Lower Upper  
105 100  
120 31.2 24.6 36.8  
91 16.4 9.6 14.4#  
77 15.2 10.6 15.8

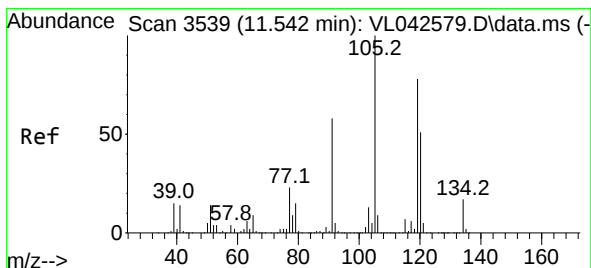
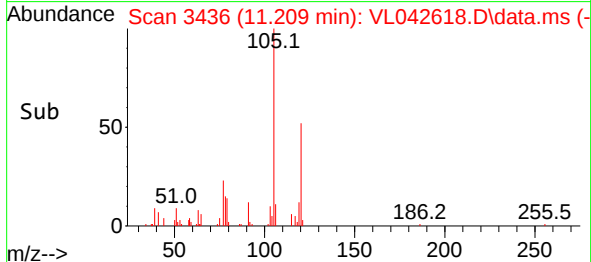
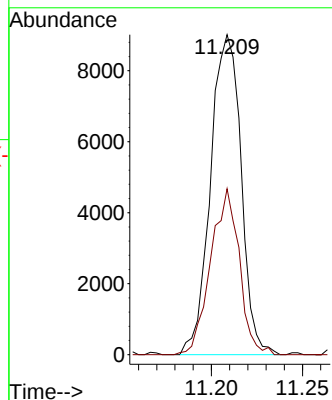
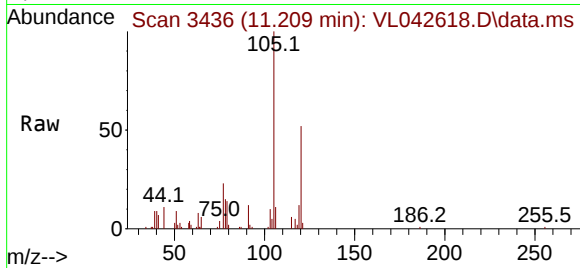




#73  
 1,3,5-Trimethylbenzene  
 Concen: 0.319 ppbv  
 RT: 11.209 min Scan# 3436  
 Delta R.T. -0.000 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

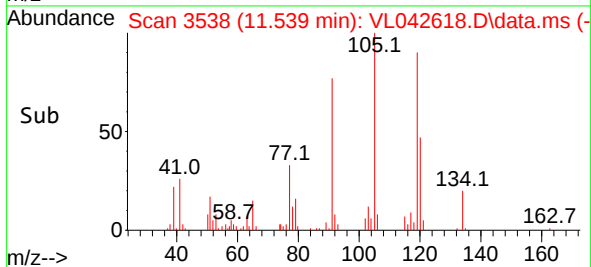
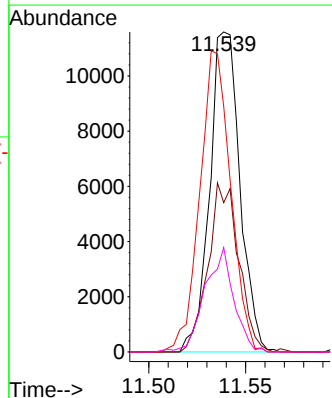
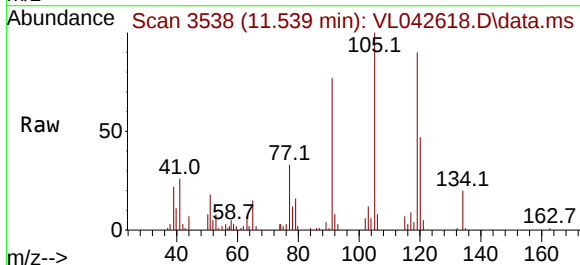
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT2-2025

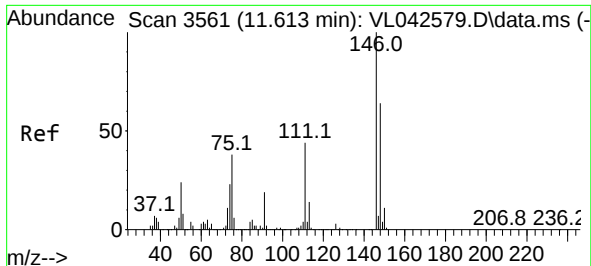
Tgt Ion:105 Resp: 10507  
 Ion Ratio Lower Upper  
 105 100  
 120 51.8 38.8 58.2



#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.345 ppbv  
 RT: 11.539 min Scan# 3538  
 Delta R.T. -0.003 min  
 Lab File: VL042618.D  
 Acq: 05 Jun 2025 12:37

Tgt Ion:105 Resp: 12594  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 40.8 61.2  
 91 76.8 46.8 70.2#  
 77 32.6 18.2 27.2#

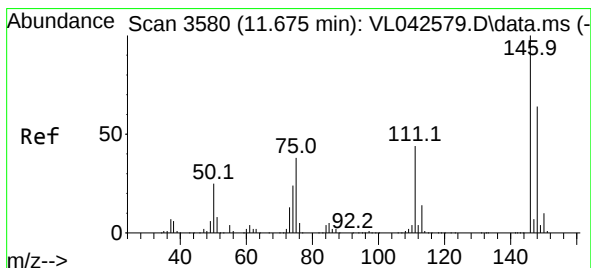
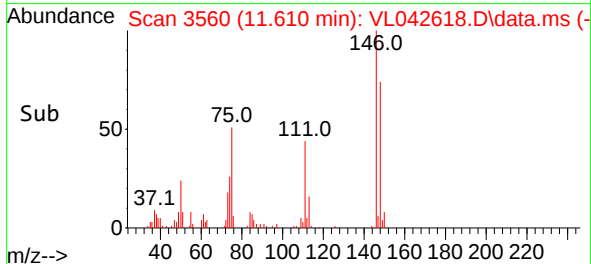
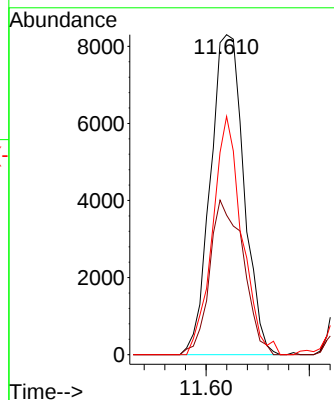
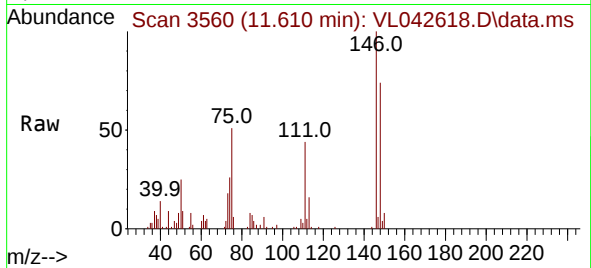




#75  
1,3-Dichlorobenzene  
Concen: 0.408 ppbv  
RT: 11.610 min Scan# 3560  
Delta R.T. -0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

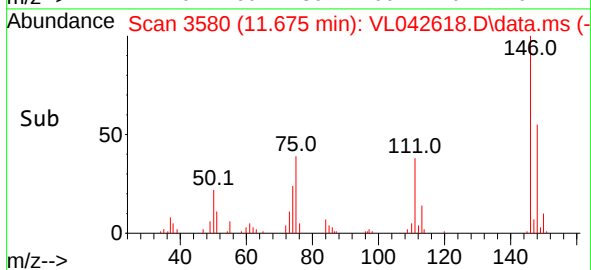
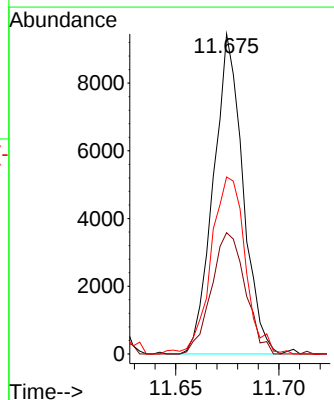
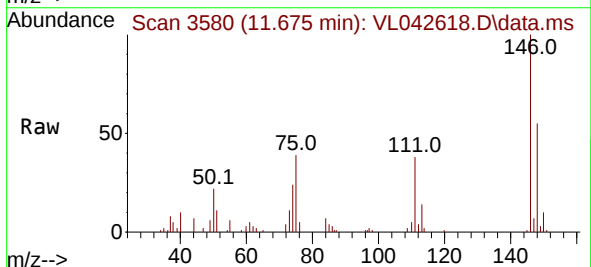
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

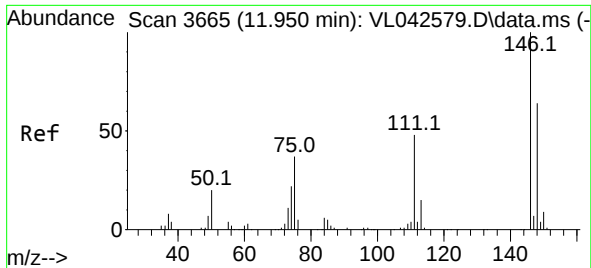
Tgt Ion:146 Resp: 9345  
Ion Ratio Lower Upper  
146 100  
111 48.6 22.4 67.3  
148 65.4 32.0 96.2



#76  
1,4-Dichlorobenzene  
Concen: 0.410 ppbv  
RT: 11.675 min Scan# 3580  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion:146 Resp: 9375  
Ion Ratio Lower Upper  
146 100  
111 43.5 21.6 64.8  
148 64.3 32.1 96.5

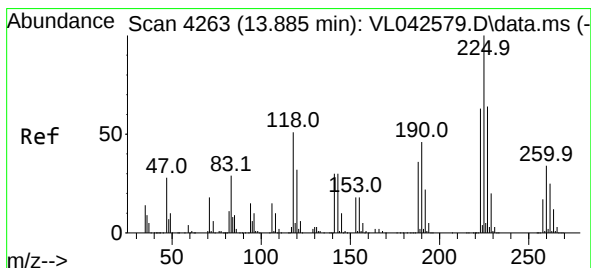
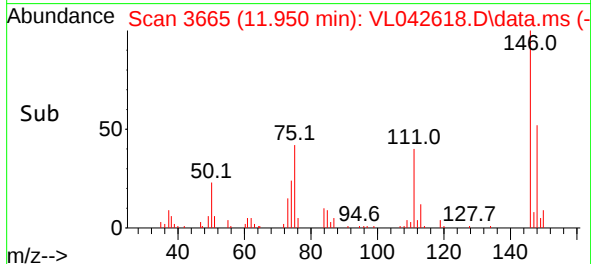
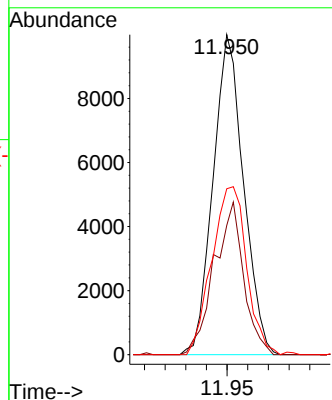
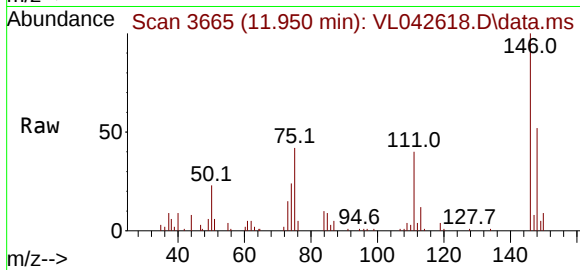




#77  
1,2-Dichlorobenzene  
Concen: 0.460 ppbv  
RT: 11.950 min Scan# 3665  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

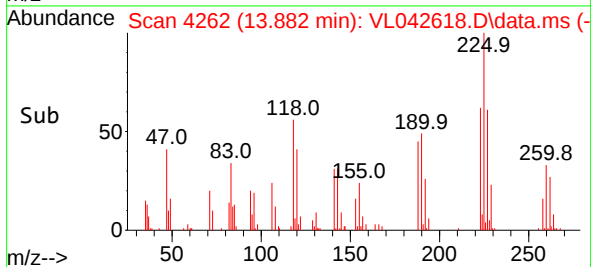
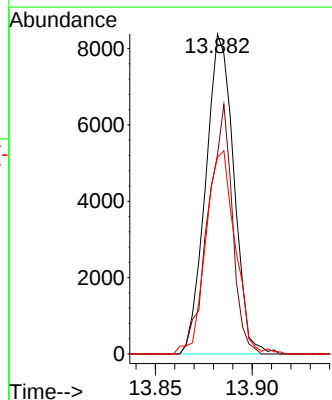
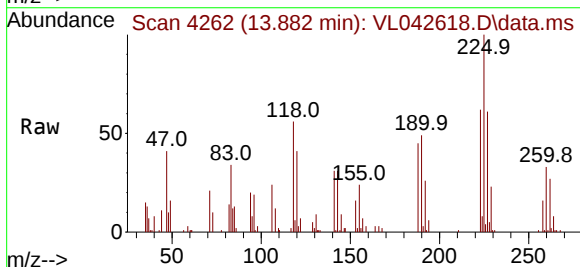
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

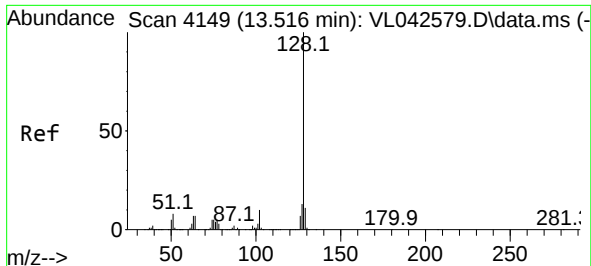
Tgt Ion:146 Resp: 10236  
Ion Ratio Lower Upper  
146 100  
111 46.2 23.1 69.3  
148 60.1 32.1 96.3



#78  
Hexachloro-1,3-Butadiene  
Concen: 0.461 ppbv  
RT: 13.882 min Scan# 4262  
Delta R.T. -0.003 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

Tgt Ion:225 Resp: 8479  
Ion Ratio Lower Upper  
225 100  
223 66.7 50.2 75.4  
227 66.4 51.1 76.7

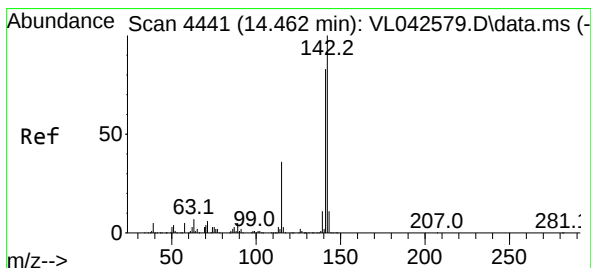
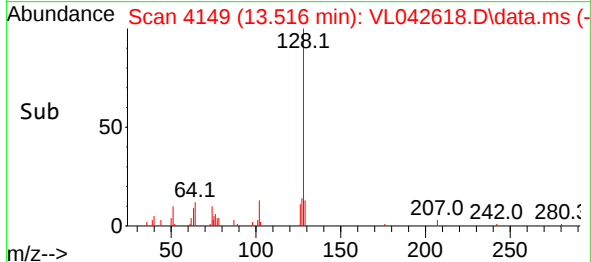
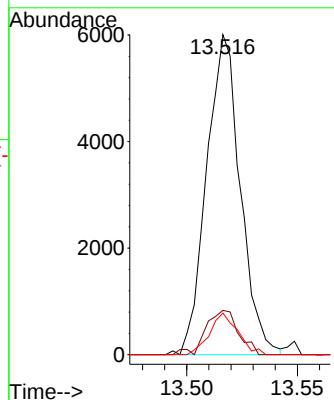
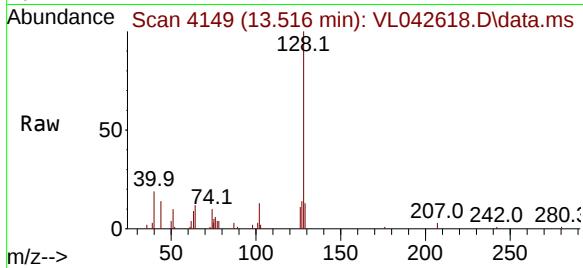




#79  
Naphthalene  
Concen: 0.184 ppbv  
RT: 13.516 min Scan# 4149  
Delta R.T. -0.000 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

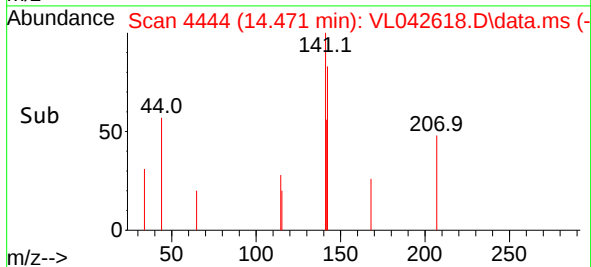
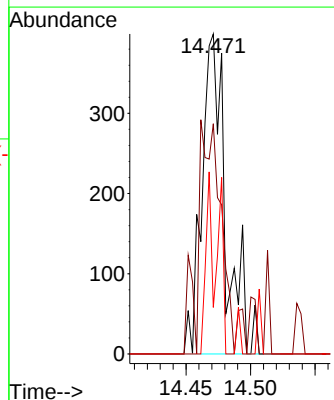
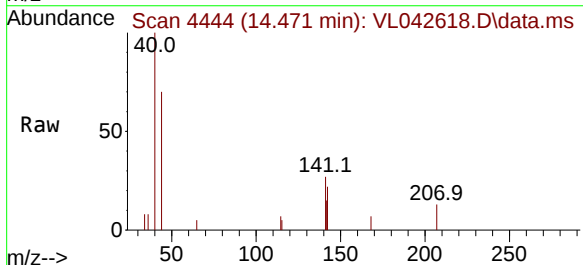
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2025

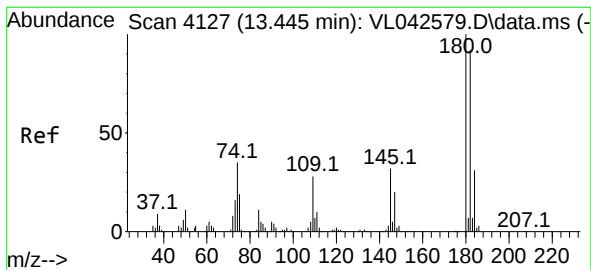
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 6344      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 13.9  | 10.2 15.4 |
| 129         | 13.0  | 8.8 13.2  |



#80  
Naphthalene,2-methyl-  
Concen: 0.033 ppbv  
RT: 14.471 min Scan# 4444  
Delta R.T. 0.010 min  
Lab File: VL042618.D  
Acq: 05 Jun 2025 12:37

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:142 | Resp: | 506       |
| Ion Ratio   | Lower | Upper     |
| 142         | 100   |           |
| 141         | 74.9  | 66.2 99.4 |
| 115         | 30.2  | 28.3 42.5 |





#81

1,2,4-Trichlorobenzene

Concen: 0.223 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042618.D

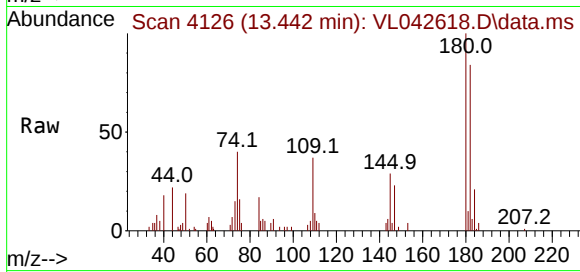
Acq: 05 Jun 2025 12:37

Instrument :

MSVOA\_L

ClientSampleId :

MDL-AIR-03-QT2-2025



Tgt Ion:180 Resp: 4283

Ion Ratio Lower Upper

180 100

182 90.7 75.0 112.4

184 27.0 24.6 36.8

