

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL010925\  
 Data File : VL041877.D  
 Acq On : 09 Jan 2025 21:16  
 Operator : SY/MD  
 Sample : MDL 0.4  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

Quant Time: Jan 10 01:49:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL010925AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Jan 10 00:31:30 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.797 | 49   | 127347   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.975 | 114  | 371788   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.894 | 117  | 336513   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 10.386 | 95    | 271852   | 10.075   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.700% |

| Target Compounds              |       |     |       |       | Qvalue |     |
|-------------------------------|-------|-----|-------|-------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.557 | 85  | 9574  | 0.458 | ppbv   | 98  |
| 3) Chlorodifluoromethane      | 1.479 | 51  | 10744 | 0.468 | ppbv # | 92  |
| 4) Chloromethane              | 1.534 | 50  | 4409  | 0.543 | ppbv   | 98  |
| 5) Vinyl Chloride             | 1.583 | 62  | 4405  | 0.510 | ppbv   | 97  |
| 6) Bromomethane               | 1.670 | 94  | 1998  | 0.491 | ppbv   | 84  |
| 7) Chloroethane               | 1.709 | 64  | 1911  | 0.570 | ppbv   | 95  |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 9574  | 0.527 | ppbv   | 89  |
| 9) Propene                    | 1.486 | 41  | 5690  | 0.531 | ppbv   | 94  |
| 10) Heptane                   | 5.004 | 43  | 5834  | 0.206 | ppbv # | 22  |
| 11) Trichlorofluoromethane    | 1.884 | 101 | 11291 | 0.525 | ppbv   | 88  |
| 12) 1,1,2-Trichlorotrifluo... | 2.149 | 101 | 9194  | 0.529 | ppbv   | 91  |
| 13) Ethanol                   | 1.725 | 45  | 1950  | 2.865 | ppbv # | 29  |
| 14) Bromoethene               | 1.787 | 108 | 3067  | 0.493 | ppbv # | 87  |
| 15) Acetone                   | 1.842 | 43  | 12885 | 0.600 | ppbv   | 97  |
| 16) 1,3-Butadiene             | 1.612 | 39  | 4758  | 0.516 | ppbv   | 93  |
| 17) tert-Butyl alcohol        | 2.049 | 59  | 12089 | 0.496 | ppbv # | 89  |
| 18) 1,1-Dichloroethene        | 2.350 | 96  | 4066  | 0.517 | ppbv   | 97  |
| 19) Isopropyl Alcohol         | 1.894 | 45  | 6668  | 0.591 | ppbv # | 36  |
| 20) Methylene Chloride        | 2.068 | 84  | 4975  | 0.679 | ppbv   | 90  |
| 21) Allyl Chloride            | 2.104 | 41  | 6358  | 0.463 | ppbv # | 84  |
| 22) trans-1,2-Dichloroethene  | 2.732 | 96  | 6730  | 0.739 | ppbv   | 81  |
| 23) Vinyl Acetate             | 2.470 | 43  | 5611  | 0.516 | ppbv # | 90  |
| 24) 1,1-Dichloroethane        | 2.418 | 63  | 9175  | 0.532 | ppbv   | 100 |
| 25) Ethyl Acetate             | 2.848 | 43  | 24334 | 0.456 | ppbv   | 97  |
| 26) Hexane                    | 2.835 | 57  | 10167 | 0.463 | ppbv   | 95  |
| 27) Carbon Disulfide          | 2.156 | 76  | 8696  | 0.414 | ppbv # | 1   |
| 28) Methyl tert-Butyl Ether   | 2.450 | 73  | 6776  | 0.404 | ppbv # | 83  |
| 29) Chloroform                | 2.858 | 83  | 15631 | 0.509 | ppbv # | 82  |
| 30) Cyclohexane               | 3.871 | 84  | 8647  | 0.459 | ppbv   | 94  |
| 31) cis-1,2-Dichloroethene    | 2.732 | 61  | 10336 | 0.482 | ppbv   | 93  |
| 32) 1,1,1-Trichloroethane     | 3.382 | 97  | 13358 | 0.438 | ppbv   | 96  |
| 34) 2-Butanone                | 2.570 | 43  | 14574 | 0.472 | ppbv   | 96  |
| 35) Carbon Tetrachloride      | 3.777 | 117 | 12744 | 0.441 | ppbv # | 95  |
| 36) Benzene                   | 3.670 | 78  | 20257 | 0.470 | ppbv # | 83  |
| 37) 1,2-Dichloroethane        | 3.227 | 62  | 11849 | 0.524 | ppbv   | 98  |
| 38) Trichloroethene           | 4.564 | 130 | 5945  | 0.349 | ppbv   | 91  |
| 39) 1,2-Dichloropropane       | 4.337 | 63  | 3384  | 0.221 | ppbv   | 96  |
| 40) 1,4-Dioxane               | 4.622 | 88  | 1990  | 0.258 | ppbv # | 17  |
| 41) Tetrahydrofuran           | 3.078 | 42  | 8466  | 0.466 | ppbv   | 99  |
| 42) Bromodichloromethane      | 4.509 | 83  | 5957  | 0.192 | ppbv # | 97  |
| 43) Methyl Methacrylate       | 4.904 | 69  | 4899  | 0.277 | ppbv # | 1   |
| 44) 2,2,4-Trimethylpentane    | 4.658 | 57  | 34042 | 0.467 | ppbv   | 97  |
| 45) t-1,3-Dichloropropene     | 6.438 | 75  | 3289  | 0.182 | ppbv # | 80  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL010925\  
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 Acq On : 09 Jan 2025 21:16  
 Operator : SY/MD  
 Sample : MDL 0.4  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

Quant Time: Jan 10 01:49:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL010925AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Jan 10 00:31:30 2025  
 Response via : Initial Calibration

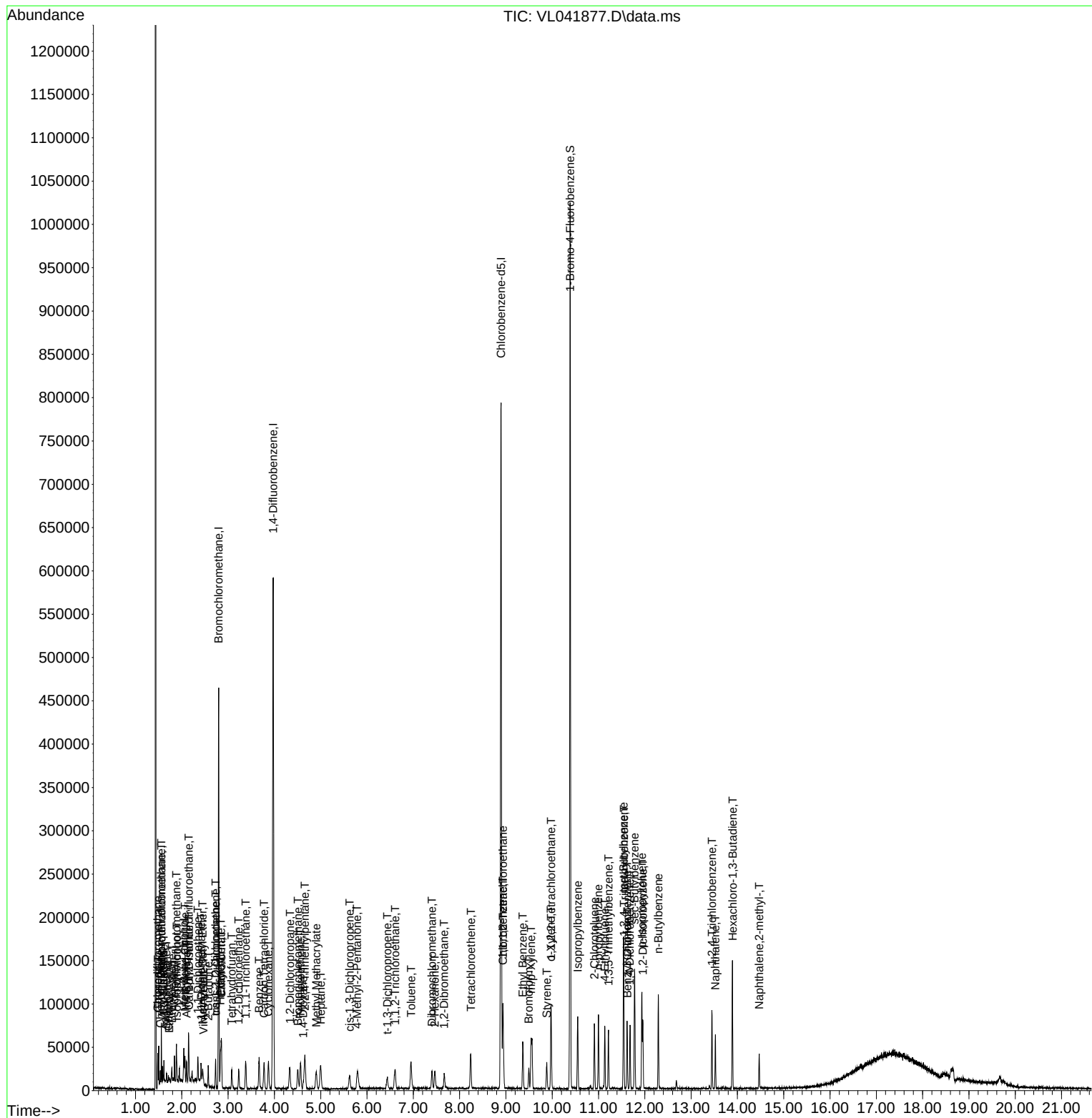
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.625  | 75   | 5844     | 0.252 | ppbv   | 92       |
| 47) 1,1,2-Trichloroethane     | 6.609  | 97   | 6353     | 0.394 | ppbv # | 87       |
| 48) Dibromochloromethane      | 7.402  | 129  | 9624     | 0.393 | ppbv   | 96       |
| 49) Bromoform                 | 9.493  | 173  | 7655     | 0.358 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.784  | 43   | 6518     | 0.148 | ppbv # | 38       |
| 51) 2-Hexanone                | 7.461  | 43   | 7065     | 0.195 | ppbv # | 28       |
| 52) Tetrachloroethene         | 8.244  | 164  | 3505     | 0.212 | ppbv   | 90       |
| 53) Toluene                   | 6.952  | 91   | 13505    | 0.263 | ppbv # | 21       |
| 54) 1,2-Dibromoethane         | 7.664  | 107  | 10438    | 0.475 | ppbv   | 91       |
| 56) 1,1,1,2-Tetrachloroethane | 8.936  | 131  | 9676     | 0.482 | ppbv # | 1        |
| 57) Chlorobenzene             | 8.933  | 112  | 18725    | 0.499 | ppbv   | 88       |
| 58) Ethyl Benzene             | 9.364  | 91   | 29925    | 0.433 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.545  | 91   | 27871    | 0.510 | ppbv # | 100      |
| 60) o-Xylene                  | 9.972  | 91   | 24391    | 0.447 | ppbv   | 98       |
| 61) Styrene                   | 9.882  | 104  | 11338    | 0.416 | ppbv   | 96       |
| 62) Isopropylbenzene          | 10.552 | 105  | 37184    | 0.453 | ppbv   | 96       |
| 63) 1,1,2,2-Tetrachloroethane | 9.975  | 83   | 15075    | 0.460 | ppbv   | 90       |
| 64) n-propylbenzene           | 10.998 | 120  | 9322     | 0.436 | ppbv   | 96       |
| 65) tert-Butylbenzene         | 11.542 | 119  | 34265    | 0.461 | ppbv   | 96       |
| 66) Benzyl Chloride           | 11.623 | 91   | 2375     | 0.309 | ppbv   | 98       |
| 67) sec-Butylbenzene          | 11.778 | 105  | 48652    | 0.475 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 11.937 | 119  | 39326    | 0.450 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.293 | 91   | 38289    | 0.437 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.911 | 91   | 27864    | 0.438 | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 11.134 | 105  | 29242    | 0.437 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 11.215 | 105  | 24983    | 0.440 | ppbv   | 92       |
| 74) 1,2,4-Trimethylbenzene    | 11.548 | 105  | 28377    | 0.460 | ppbv # | 89       |
| 75) 1,3-Dichlorobenzene       | 11.616 | 146  | 18072    | 0.489 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.678 | 146  | 17706    | 0.484 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.956 | 146  | 18212    | 0.521 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.895 | 225  | 14604    | 0.486 | ppbv   | 97       |
| 79) Naphthalene               | 13.523 | 128  | 27332    | 0.411 | ppbv # | 94       |
| 80) Naphthalene,2-methyl-     | 14.471 | 142  | 12032    | 0.336 | ppbv   | 100      |
| 81) 1,2,4-Trichlorobenzene    | 13.448 | 180  | 14159    | 0.448 | ppbv   | 98       |

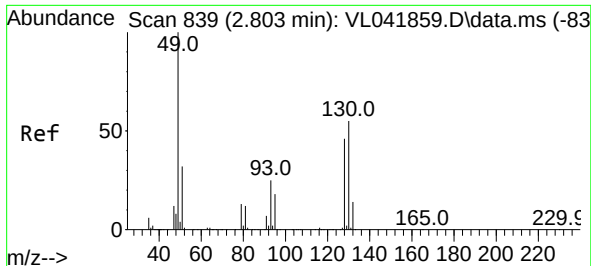
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL010925\  
Data File : VL041877.D  
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Sample : MDL 0.4  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

Quant Time: Jan 10 01:49:36 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL010925AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Fri Jan 10 00:31:30 2025  
Response via : Initial Calibration

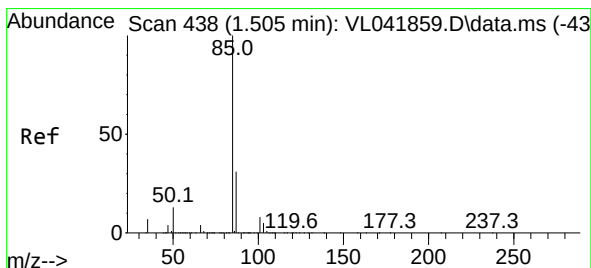
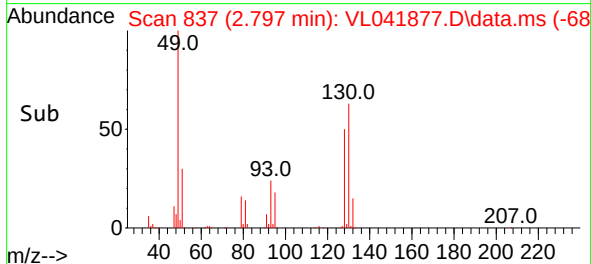
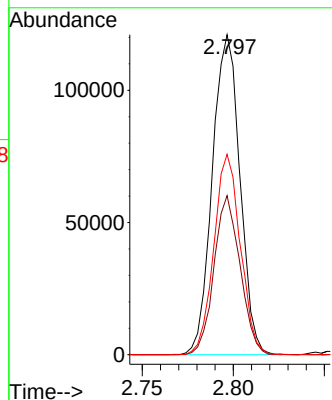
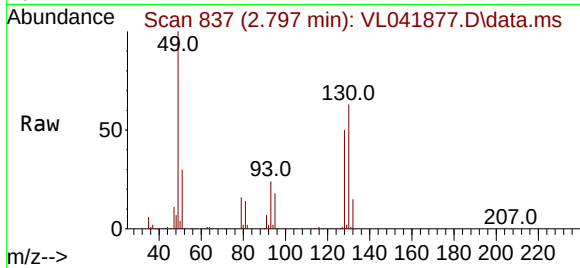




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.797 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

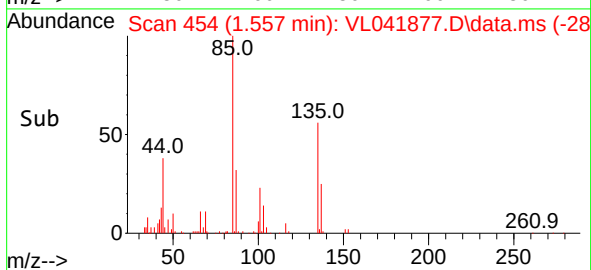
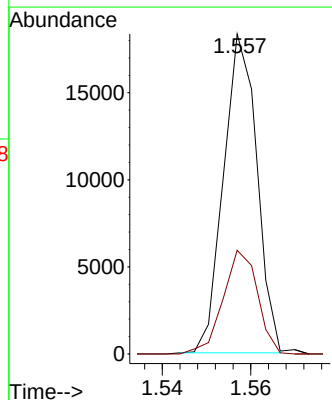
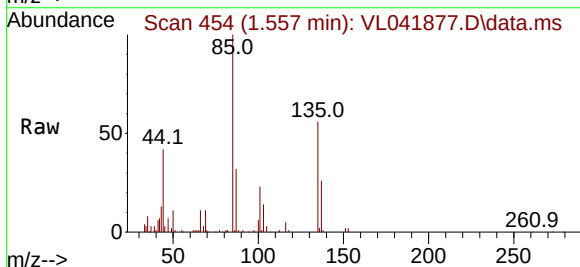
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

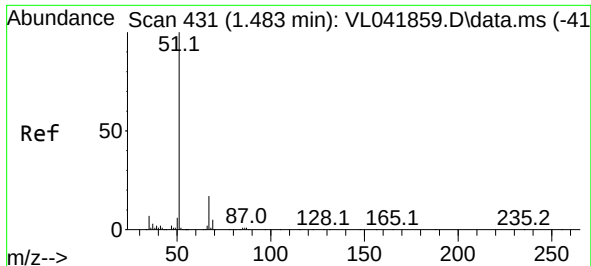
Tgt Ion: 49 Resp: 127347  
Ion Ratio Lower Upper  
49 100  
128 46.9 23.2 69.5  
130 60.2 29.9 89.8



#2  
Dichlorodifluoromethane  
Concen: 0.458 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. 0.052 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 85 Resp: 9574  
Ion Ratio Lower Upper  
85 100  
87 32.5 25.2 37.8

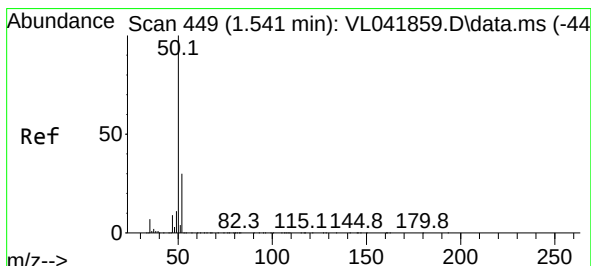
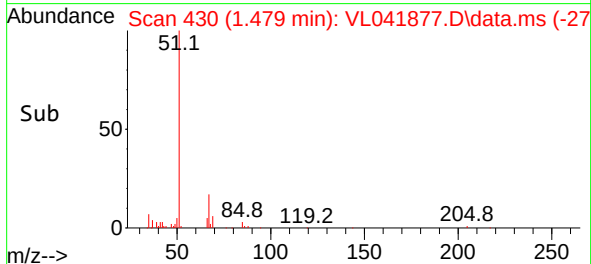
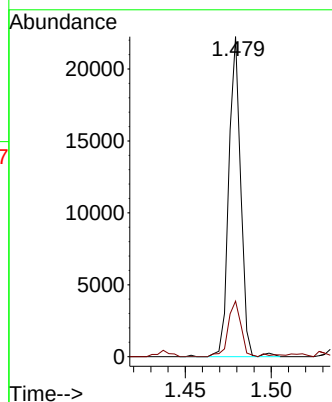
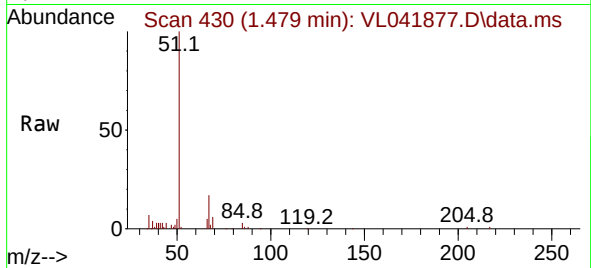




#3  
Chlorodifluoromethane  
Concen: 0.468 ppbv  
RT: 1.479 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

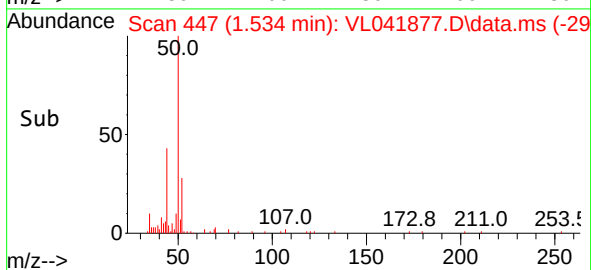
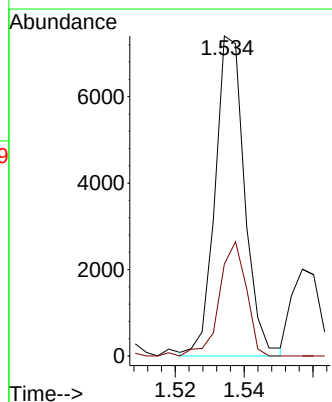
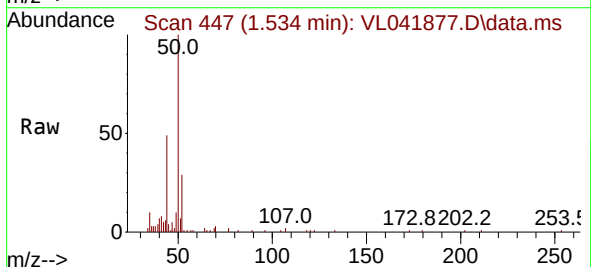
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

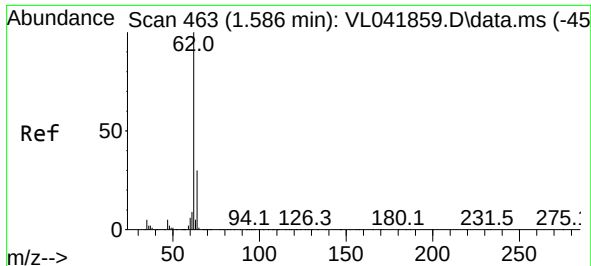
Tgt Ion: 51 Resp: 10744  
Ion Ratio Lower Upper  
51 100  
67 21.0 13.8 20.8#



#4  
Chloromethane  
Concen: 0.543 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. -0.007 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 50 Resp: 4409  
Ion Ratio Lower Upper  
50 100  
52 29.0 23.9 35.9

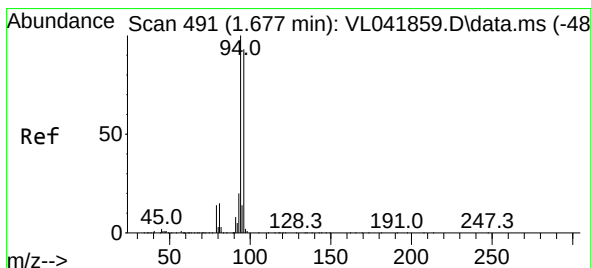
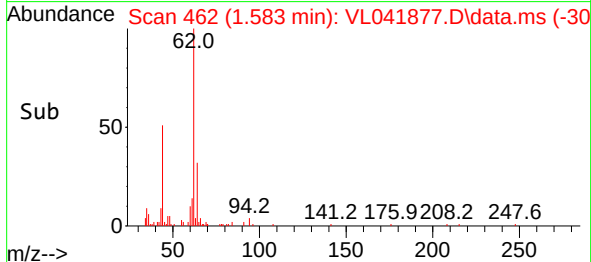
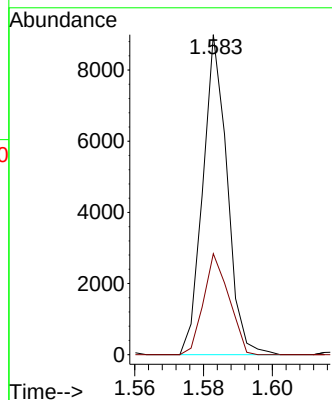
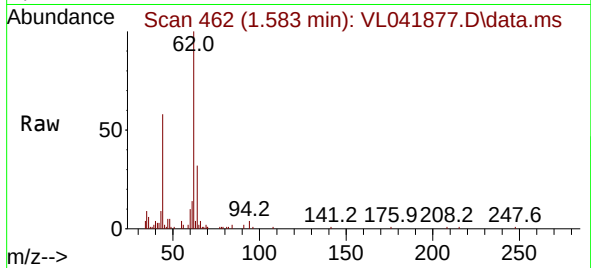




#5  
 Vinyl Chloride  
 Concen: 0.510 ppbv  
 RT: 1.583 min Scan# 41  
 Delta R.T. -0.003 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

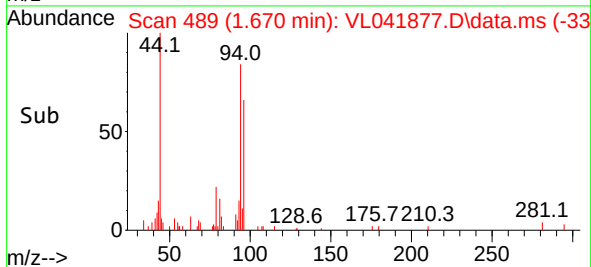
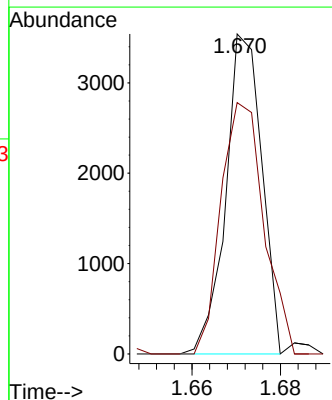
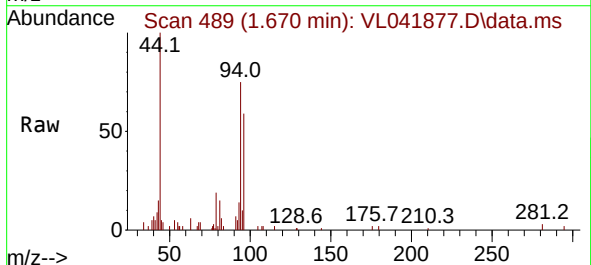
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 MDL 0.4

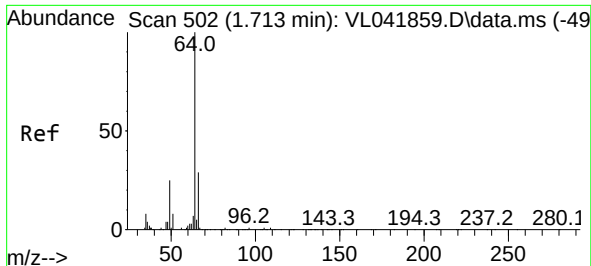
Tgt Ion: 62 Resp: 4405  
 Ion Ratio Lower Upper  
 62 100  
 64 31.6 24.1 36.1



#6  
 Bromomethane  
 Concen: 0.491 ppbv  
 RT: 1.670 min Scan# 489  
 Delta R.T. -0.007 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

Tgt Ion: 94 Resp: 1998  
 Ion Ratio Lower Upper  
 94 100  
 96 78.5 74.8 112.2

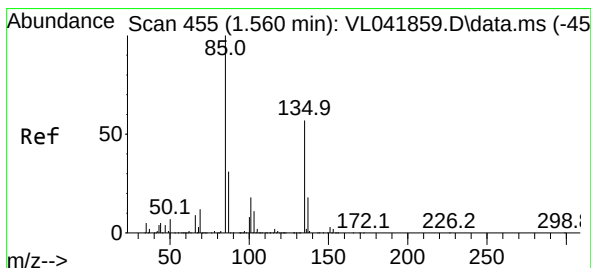
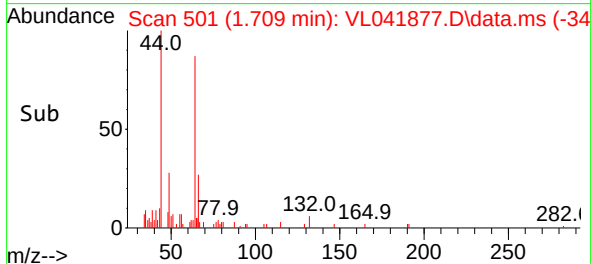
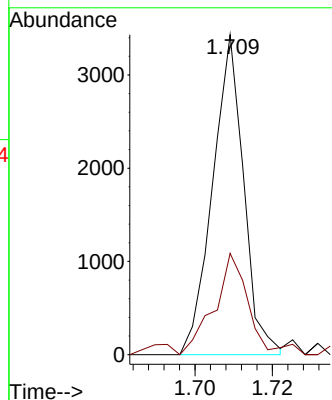
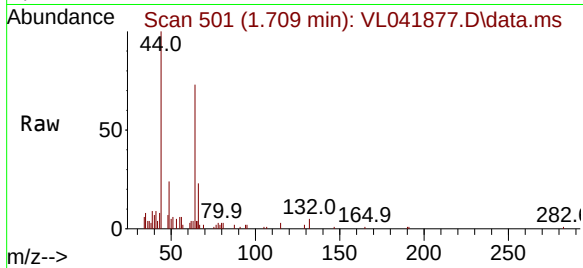




#7  
Chloroethane  
Concen: 0.570 ppbv  
RT: 1.709 min Scan# 501  
Delta R.T. -0.003 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

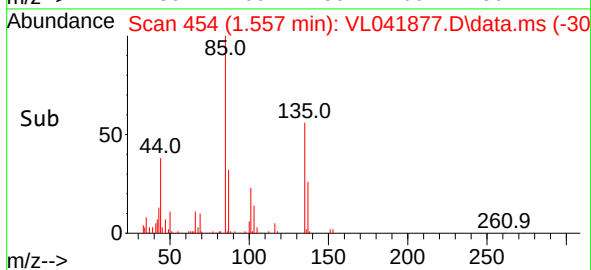
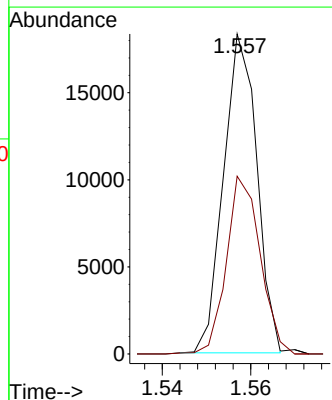
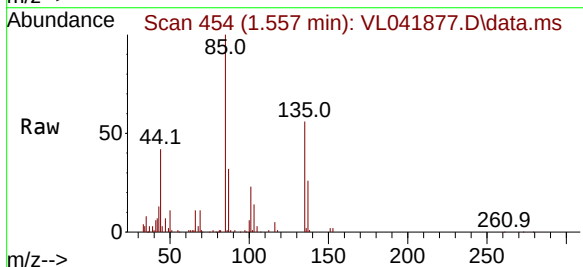
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

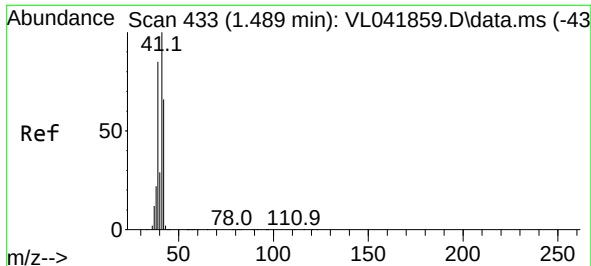
Tgt Ion: 64 Resp: 1911  
Ion Ratio Lower Upper  
64 100  
66 31.6 23.0 34.6



#8  
Dichlorotetrafluoroethane  
Concen: 0.527 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. -0.003 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 85 Resp: 9574  
Ion Ratio Lower Upper  
85 100  
135 56.5 52.2 78.4





#9

Propene

Concen: 0.531 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

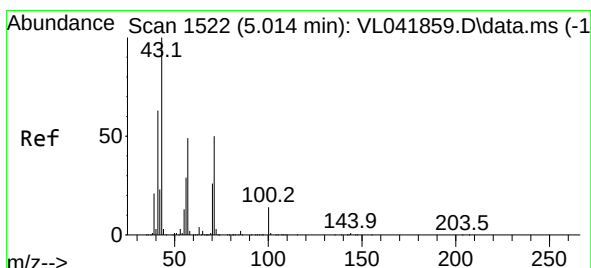
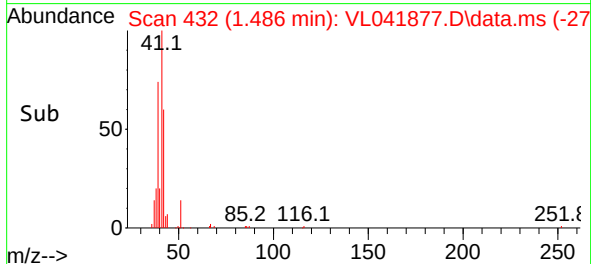
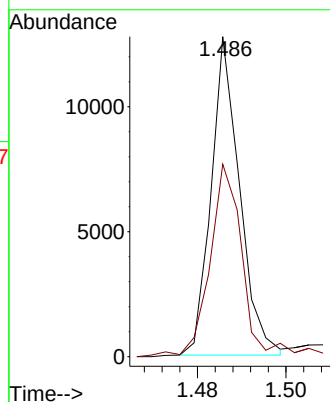
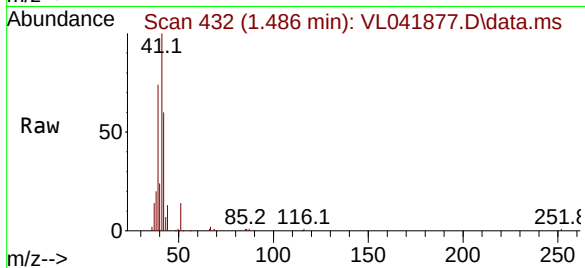
MDL 0.4

Tgt Ion: 41 Resp: 5690

Ion Ratio Lower Upper

41 100

42 71.5 53.0 79.6



#10

Heptane

Concen: 0.206 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. -0.010 min

Lab File: VL041877.D

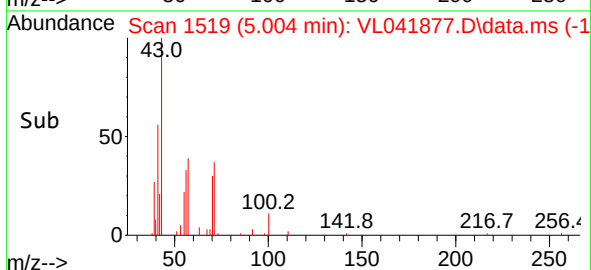
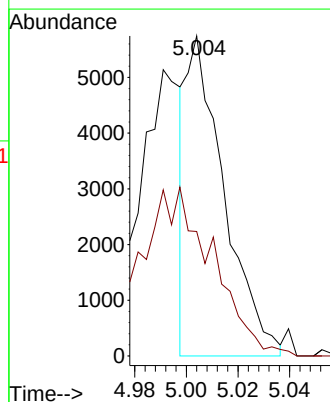
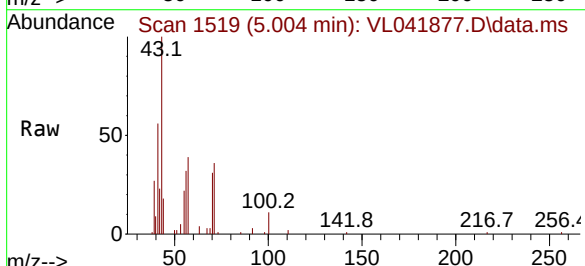
Acq: 09 Jan 2025 21:16

Tgt Ion: 43 Resp: 5834

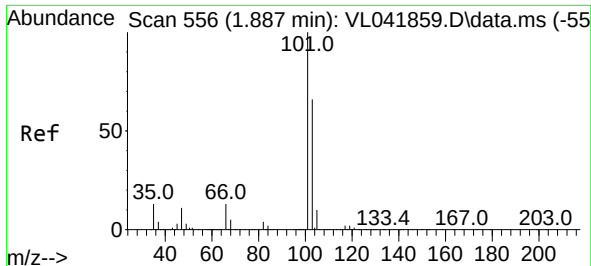
Ion Ratio Lower Upper

43 100

57 104.0 40.2 60.2#



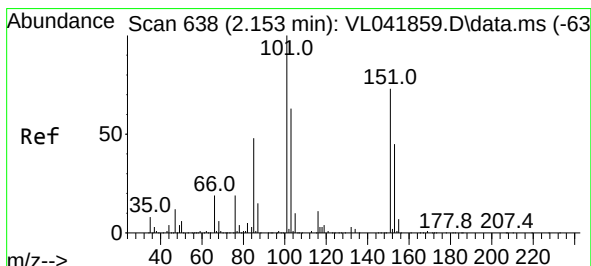
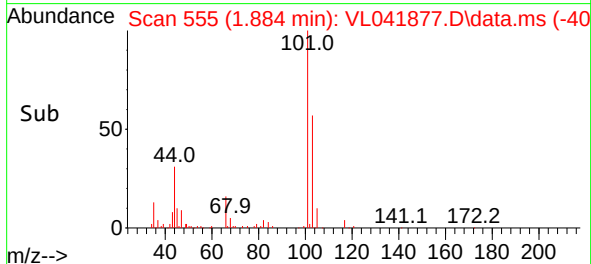
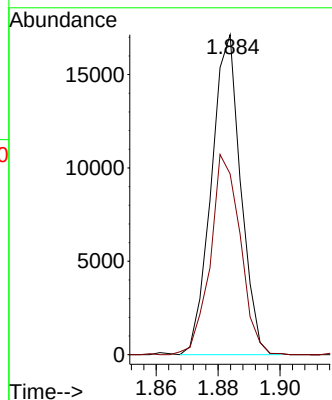
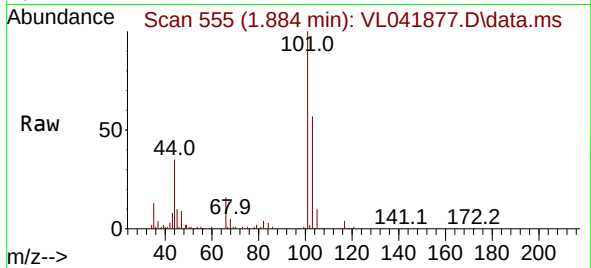




#11  
 Trichlorofluoromethane  
 Concen: 0.525 ppbv  
 RT: 1.884 min Scan# 511  
 Delta R.T. -0.003 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

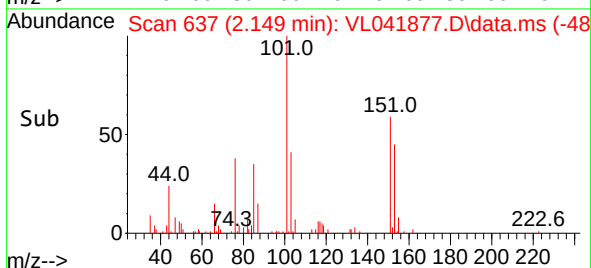
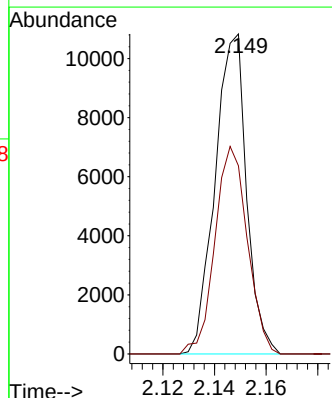
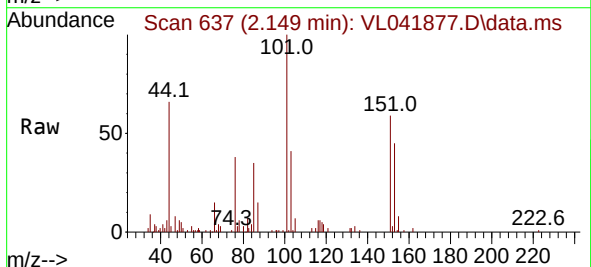
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

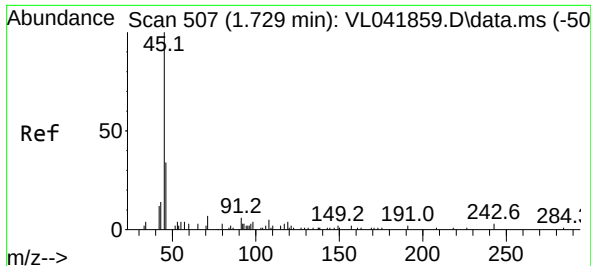
Tgt Ion:101 Resp: 11291  
 Ion Ratio Lower Upper  
 101 100  
 103 56.2 52.6 78.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.529 ppbv  
 RT: 2.149 min Scan# 637  
 Delta R.T. -0.003 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

Tgt Ion:101 Resp: 9194  
 Ion Ratio Lower Upper  
 101 100  
 151 66.7 59.4 89.0

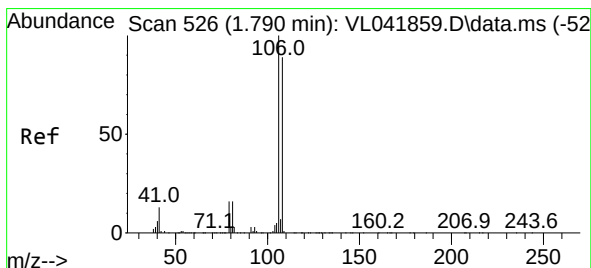
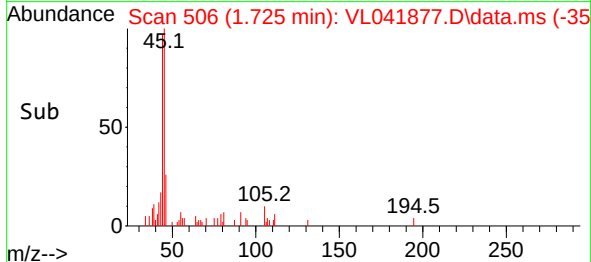
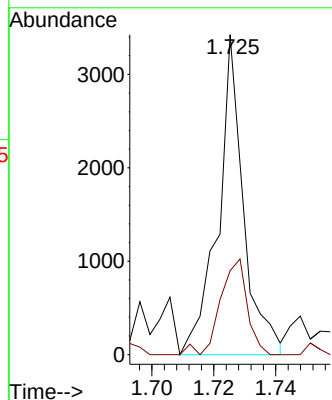
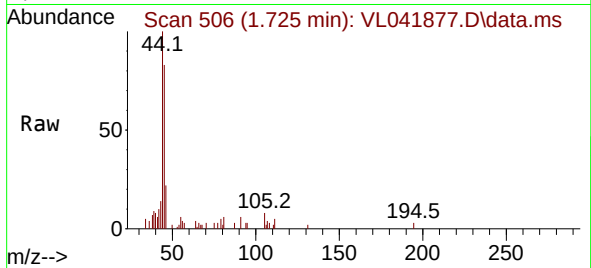




#13  
Ethanol  
Concen: 2.865 ppbv  
RT: 1.725 min Scan# 507  
Delta R.T. -0.003 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

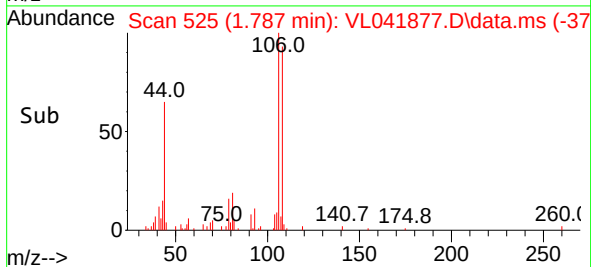
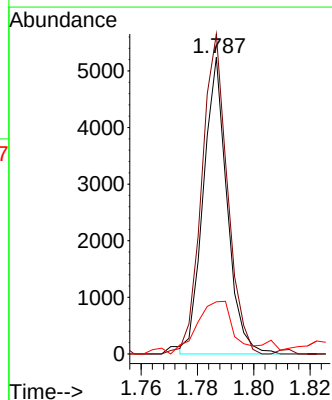
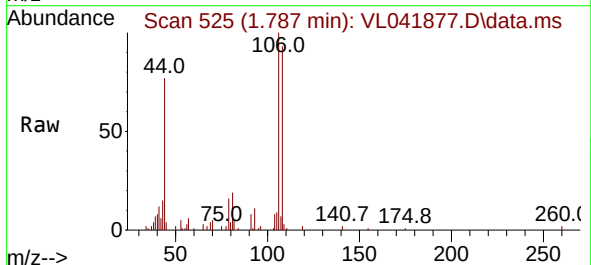
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MSVOA\_1  
ClientSampleId :  
MDL 0.4

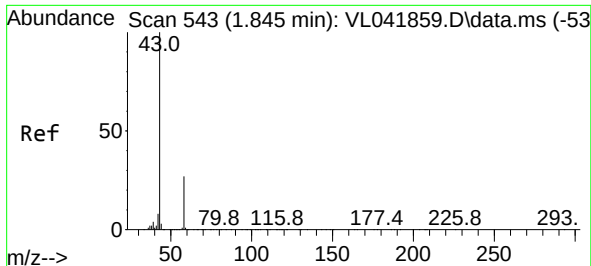
Tgt Ion: 45 Resp: 1950  
Ion Ratio Lower Upper  
45 100  
46 0.0 19.0 76.0#



#14  
Bromoethene  
Concen: 0.493 ppbv  
RT: 1.787 min Scan# 525  
Delta R.T. -0.003 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 108 Resp: 3067  
Ion Ratio Lower Upper  
108 100  
106 119.5 86.9 130.3  
79 31.8 15.6 23.4#

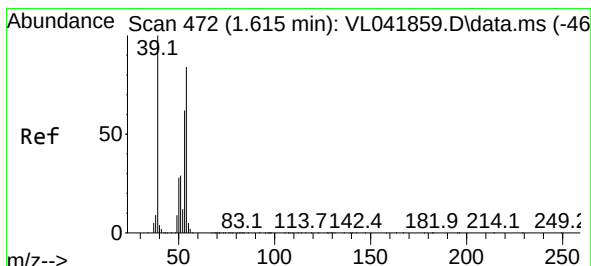
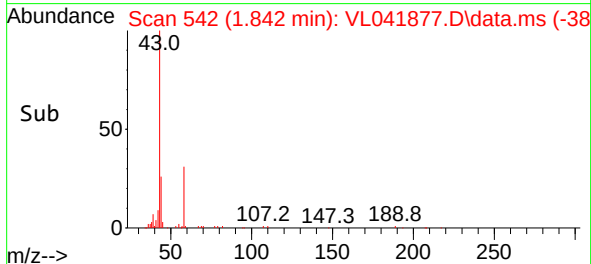
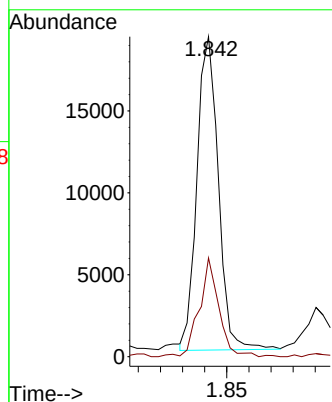
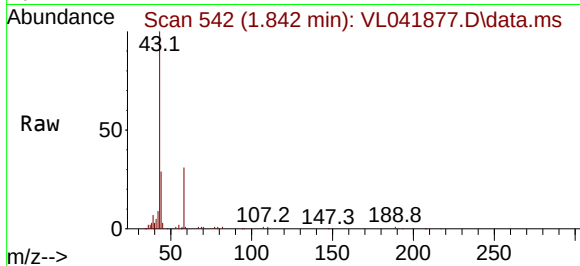




#15  
Acetone  
Concen: 0.600 ppbv  
RT: 1.842 min Scan# 54  
Delta R.T. -0.003 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

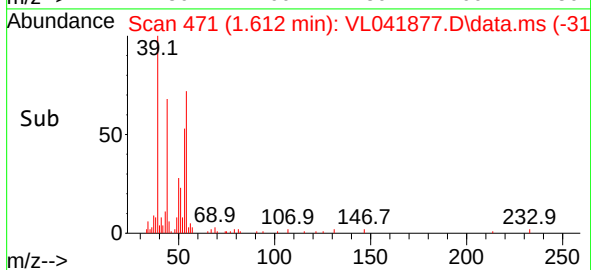
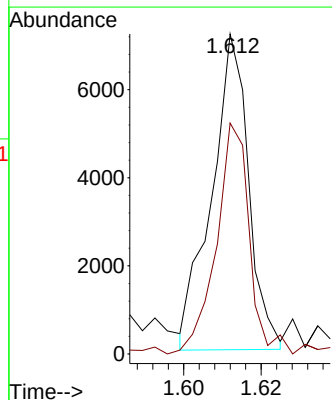
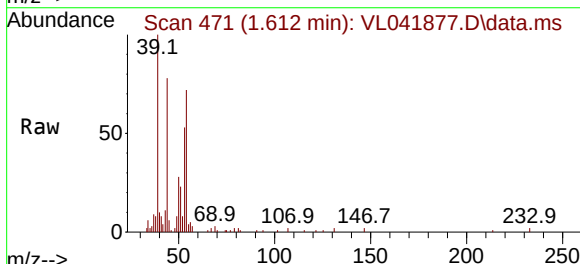
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MSVOA\_L  
ClientSampleId :  
MDL 0.4

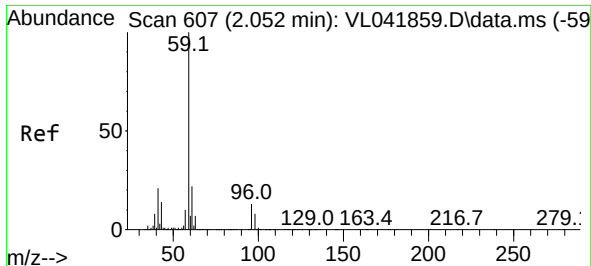
Tgt Ion: 43 Resp: 12885  
Ion Ratio Lower Upper  
43 100  
58 30.1 22.7 34.1



#16  
1,3-Butadiene  
Concen: 0.516 ppbv  
RT: 1.612 min Scan# 471  
Delta R.T. -0.003 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 39 Resp: 4758  
Ion Ratio Lower Upper  
39 100  
54 69.3 60.1 90.1





#17

tert-Butyl alcohol

Concen: 0.496 ppbv

RT: 2.049 min Scan# 607

Delta R.T. -0.003 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

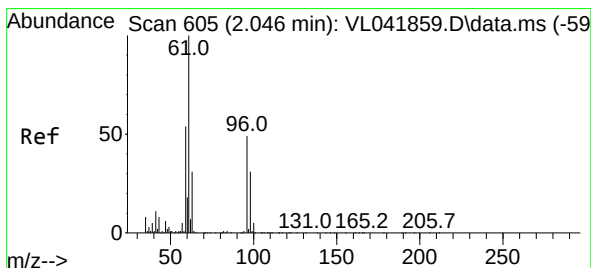
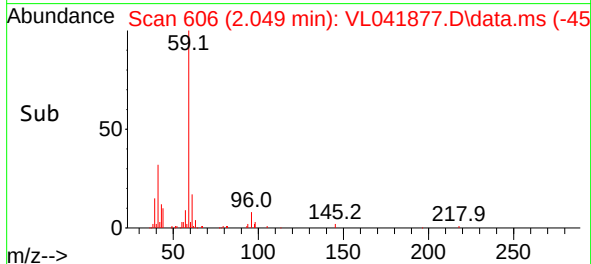
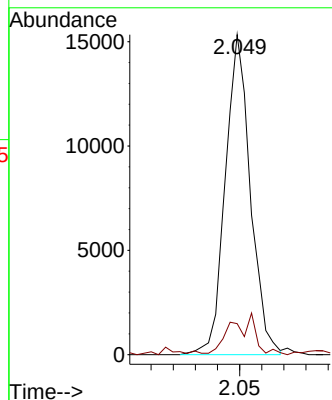
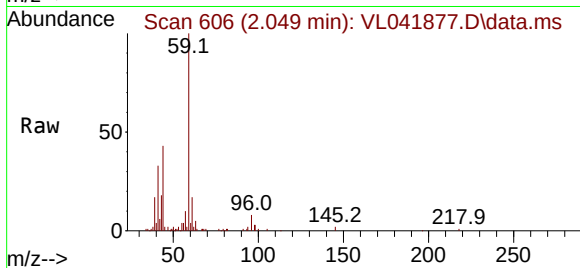
MDL 0.4

Tgt Ion: 59 Resp: 12089

Ion Ratio Lower Upper

59 100

57 14.5 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.517 ppbv

RT: 2.350 min Scan# 699

Delta R.T. 0.304 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

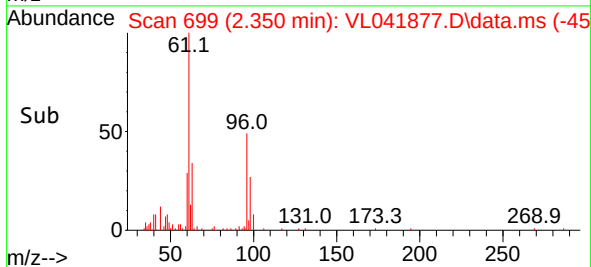
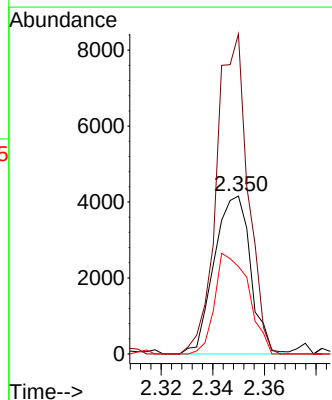
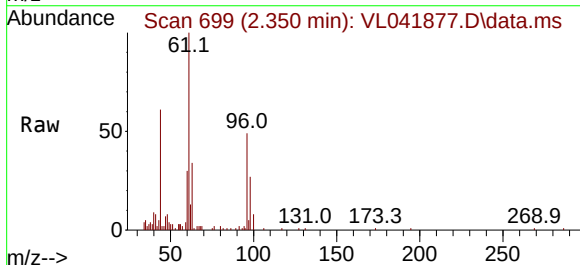
Tgt Ion: 96 Resp: 4066

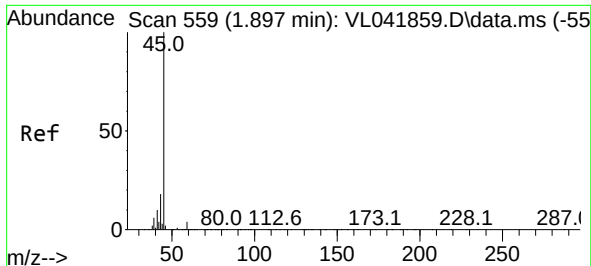
Ion Ratio Lower Upper

96 100

61 202.6 161.7 242.5

98 55.3 51.0 76.4

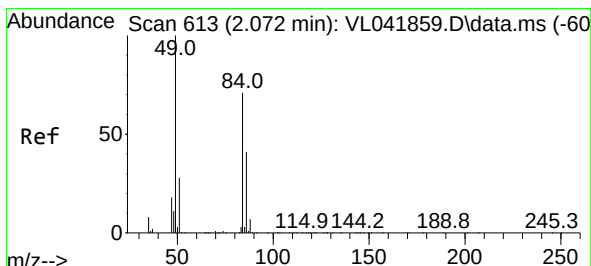
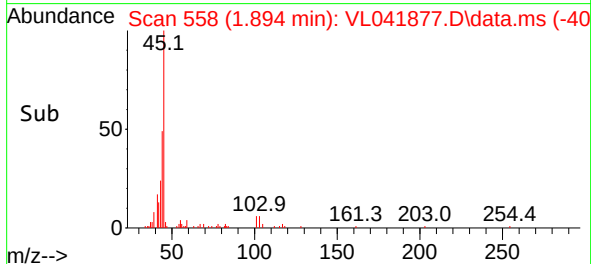
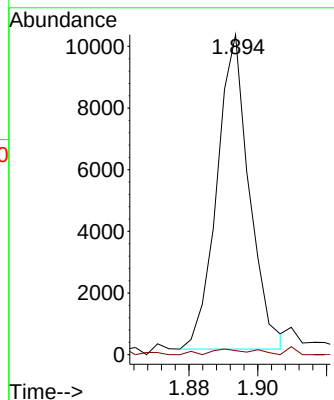
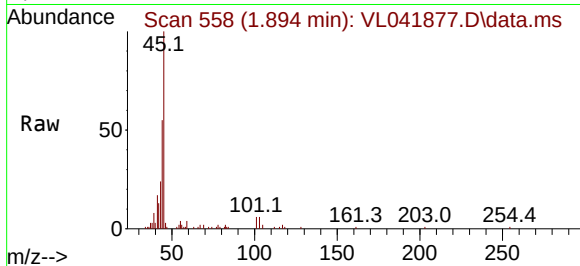




#19  
Isopropyl Alcohol  
Concen: 0.591 ppbv  
RT: 1.894 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

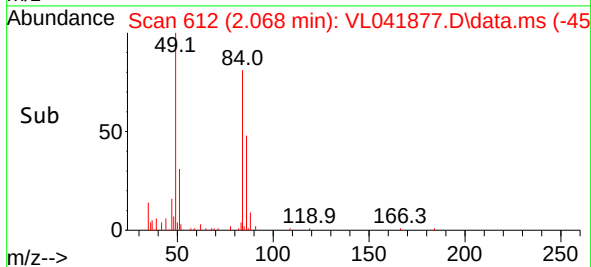
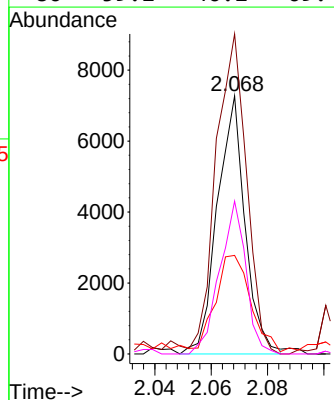
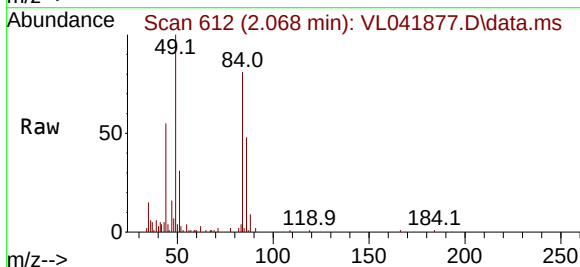
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

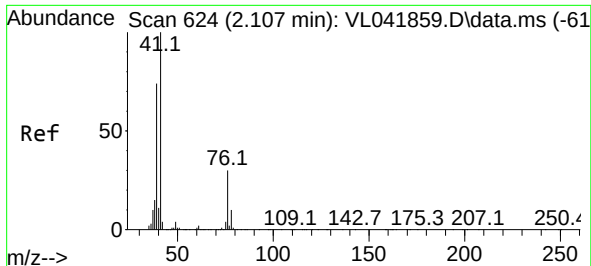
Tgt Ion: 45 Resp: 6668  
Ion Ratio Lower Upper  
45 100  
58 3.6 37.0 55.6#



#20  
Methylene Chloride  
Concen: 0.679 ppbv  
RT: 2.068 min Scan# 612  
Delta R.T. -0.003 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 84 Resp: 4975  
Ion Ratio Lower Upper  
84 100  
49 124.0 113.8 170.8  
51 37.4 33.5 50.3  
86 59.2 46.2 69.4

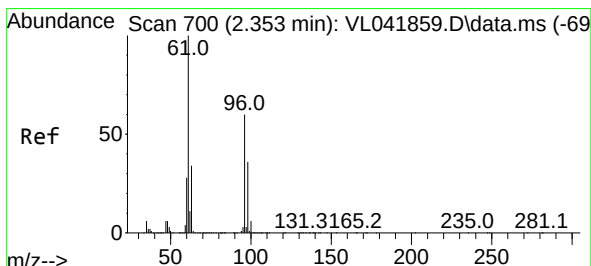
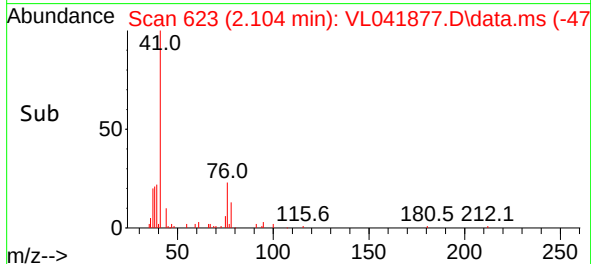
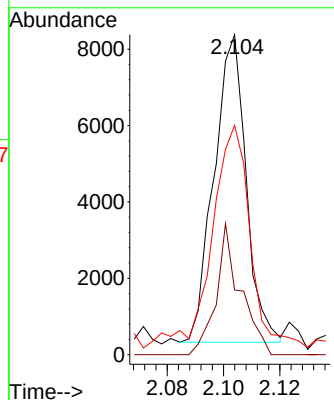
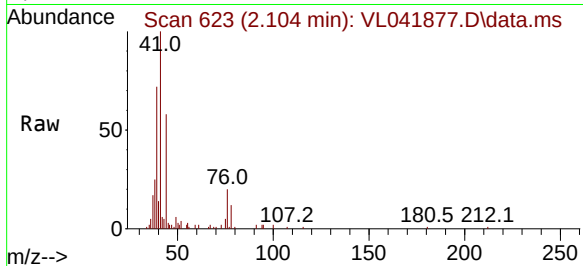




#21  
 Allyl Chloride  
 Concen: 0.463 ppbv  
 RT: 2.104 min Scan# 61  
 Delta R.T. -0.003 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

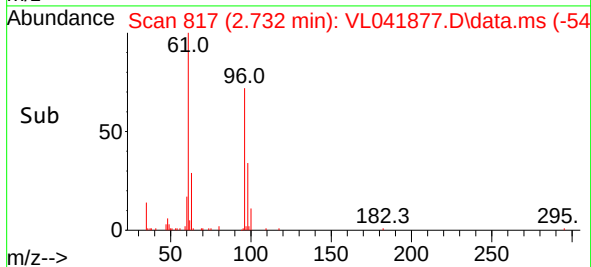
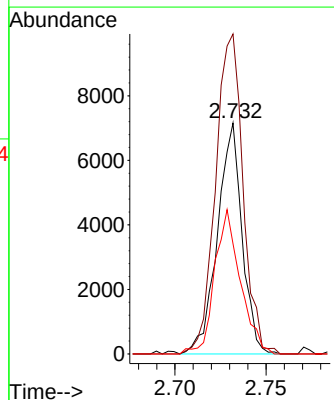
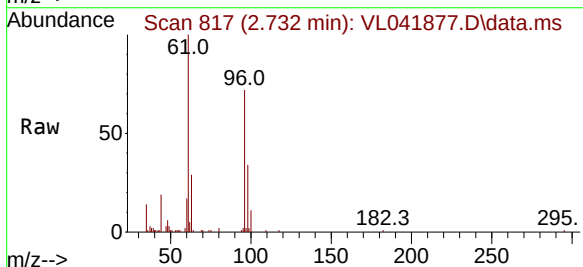
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

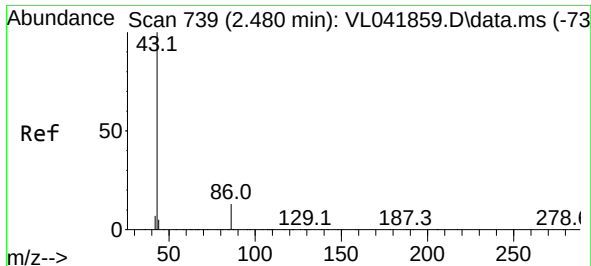
Tgt Ion: 41 Resp: 6358  
 Ion Ratio Lower Upper  
 41 100  
 76 32.2 24.6 36.8  
 39 93.8 60.1 90.1#



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.739 ppbv  
 RT: 2.732 min Scan# 817  
 Delta R.T. 0.378 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

Tgt Ion: 96 Resp: 6730  
 Ion Ratio Lower Upper  
 96 100  
 61 138.6 134.2 201.4  
 98 50.7 49.0 73.4

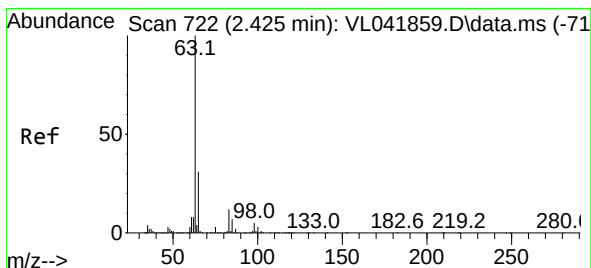
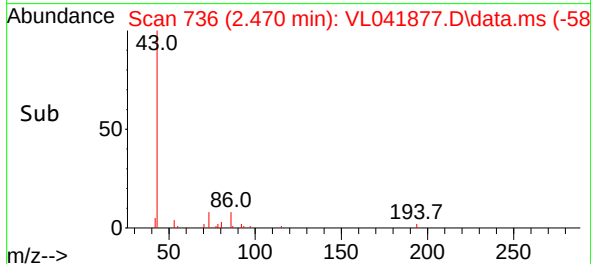
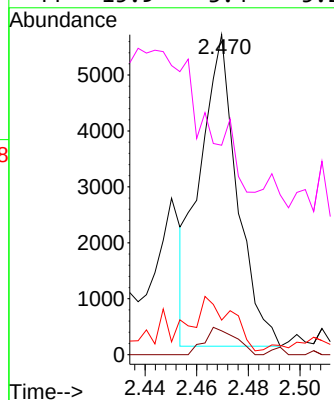
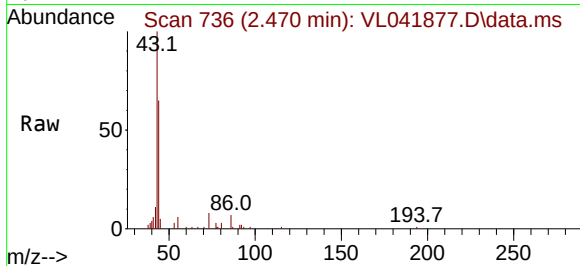




#23  
 Vinyl Acetate  
 Concen: 0.516 ppbv  
 RT: 2.470 min Scan# 71  
 Delta R.T. -0.010 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

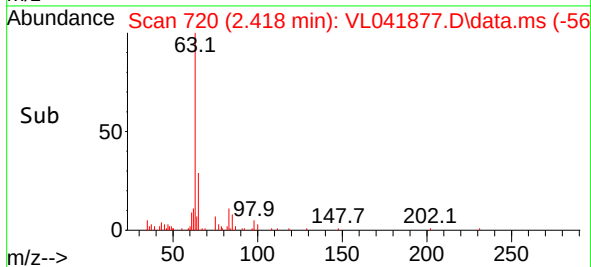
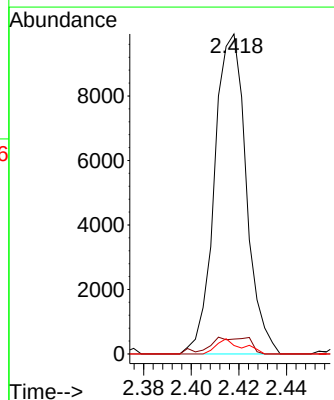
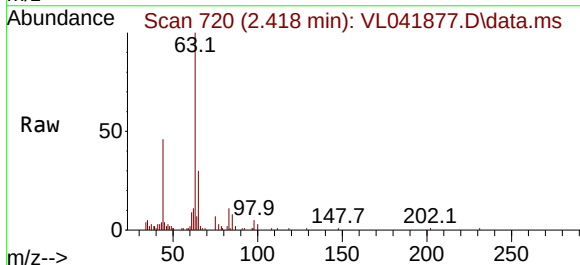
Instrument :  
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 ClientSampleId :  
 MDL 0.4

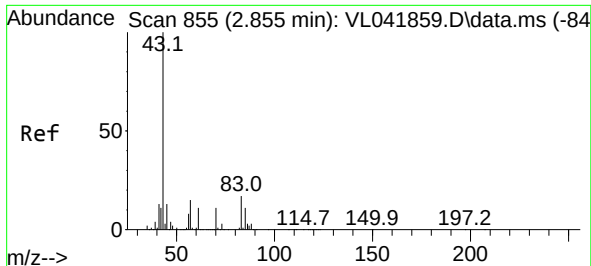
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 5611  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 86 7.6      | 7.8 11.6#   |
| 42 8.1      | 7.0 10.4    |
| 44 15.9     | 3.4 5.2#    |



#24  
 1,1-Dichloroethane  
 Concen: 0.532 ppbv  
 RT: 2.418 min Scan# 720  
 Delta R.T. -0.007 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 9175  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 98 4.7      | 2.3 6.9     |
| 100 2.7     | 1.3 3.8     |

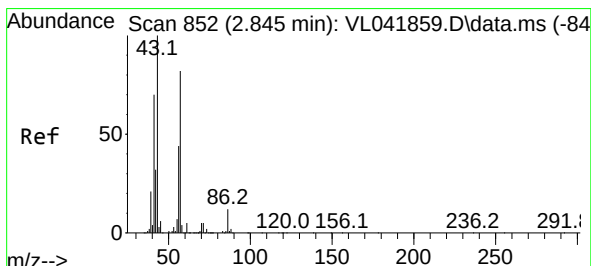
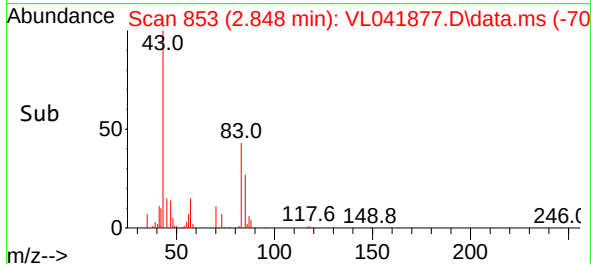
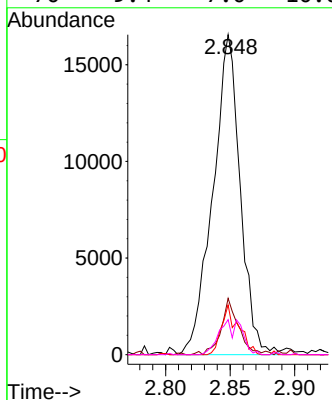
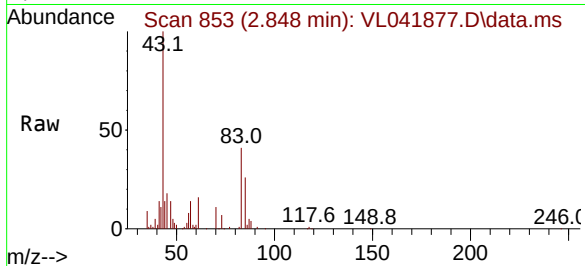




#25  
Ethyl Acetate  
Concen: 0.456 ppbv  
RT: 2.848 min Scan# 81  
Delta R.T. -0.007 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

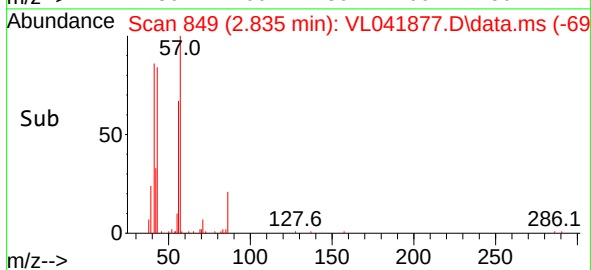
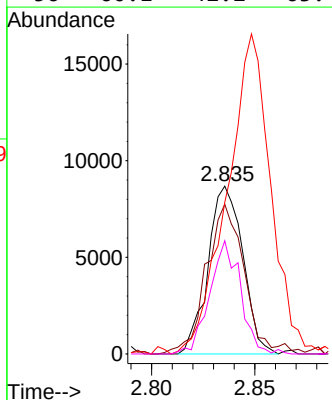
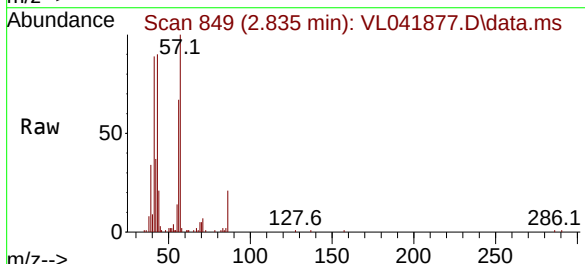
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 24334 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 45       | 12.1  | 8.4   | 12.6  |
| 61       | 10.0  | 7.3   | 10.9  |
| 70       | 9.4   | 7.0   | 10.6  |

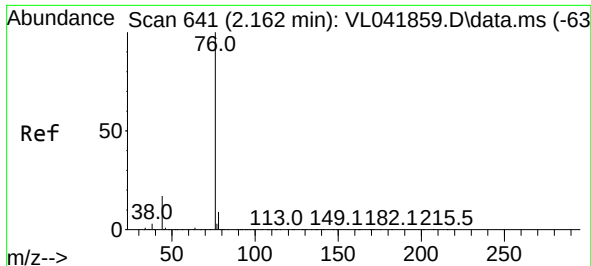


#26  
Hexane  
Concen: 0.463 ppbv  
RT: 2.835 min Scan# 849  
Delta R.T. -0.010 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 57    | Resp: | 10167 |
| Ion      | Ratio | Lower | Upper |
| 57       | 100   |       |       |
| 41       | 98.6  | 71.5  | 107.3 |
| 43       | 246.1 | 200.2 | 300.4 |
| 56       | 60.1  | 42.2  | 63.4  |



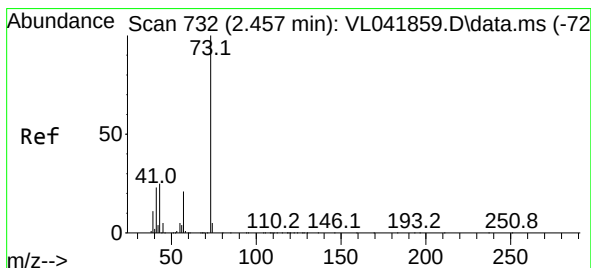
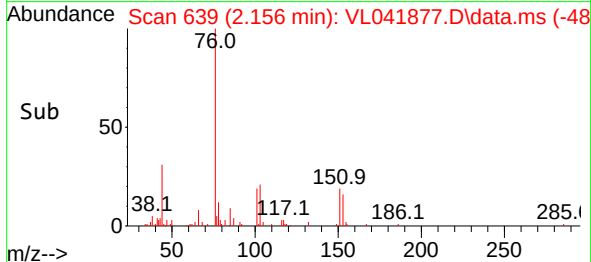
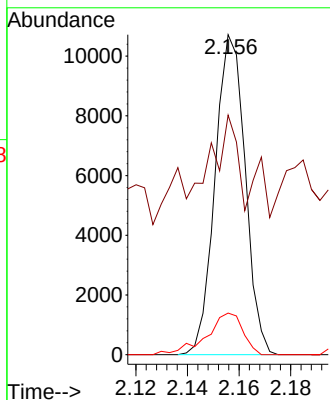
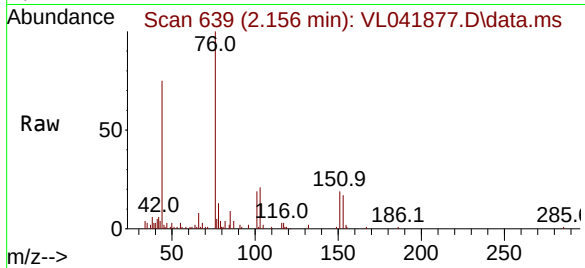




#27  
Carbon Disulfide  
Concen: 0.414 ppbv  
RT: 2.156 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

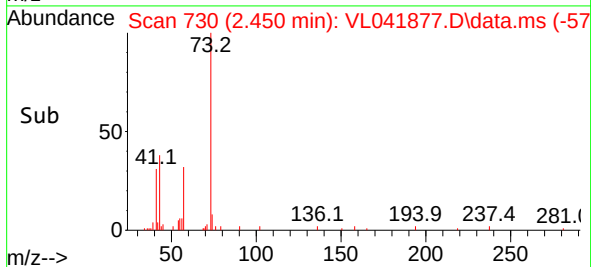
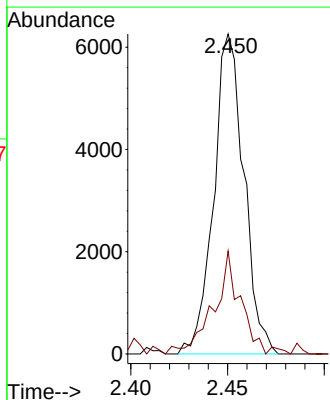
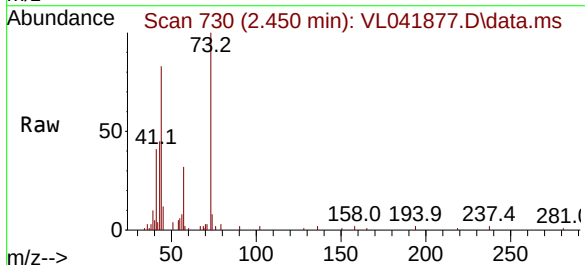
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

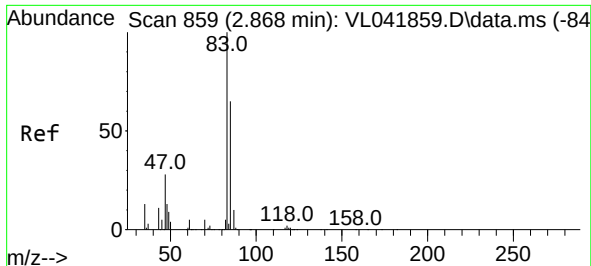
Tgt Ion: 76 Resp: 8696  
Ion Ratio Lower Upper  
76 100  
44 114.8 13.1 19.7#  
78 15.6 9.5 14.3#



#28  
Methyl tert-Butyl Ether  
Concen: 0.404 ppbv  
RT: 2.450 min Scan# 730  
Delta R.T. -0.007 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 73 Resp: 6776  
Ion Ratio Lower Upper  
73 100  
57 30.0 17.5 26.3#





#29

Chloroform

Concen: 0.509 ppbv

RT: 2.858 min Scan# 81

Delta R.T. -0.010 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

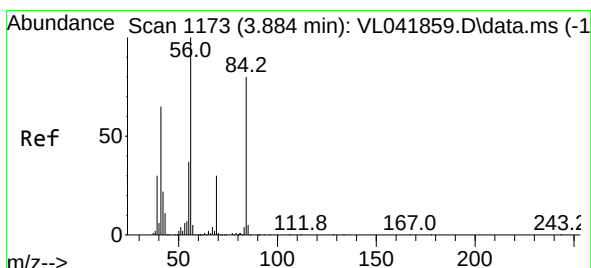
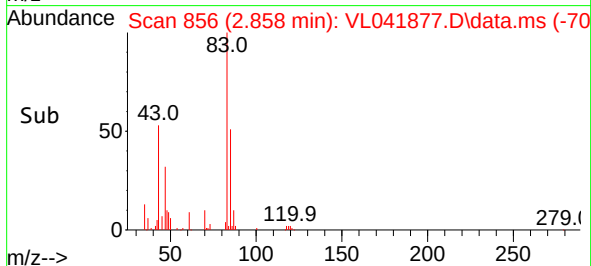
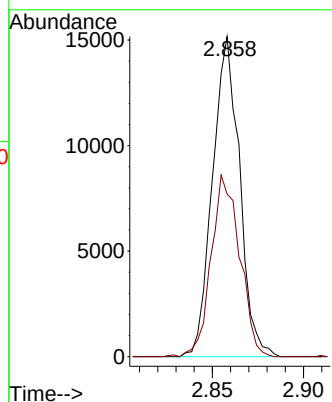
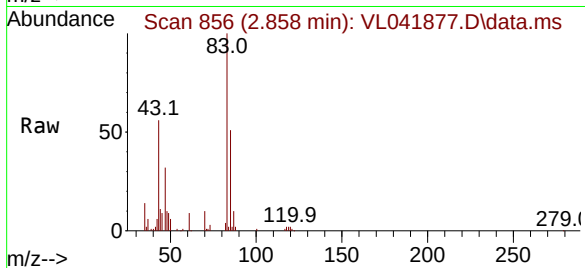
MDL 0.4

Tgt Ion: 83 Resp: 15631

Ion Ratio Lower Upper

83 100

85 50.8 51.7 77.5#



#30

Cyclohexane

Concen: 0.459 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. -0.013 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

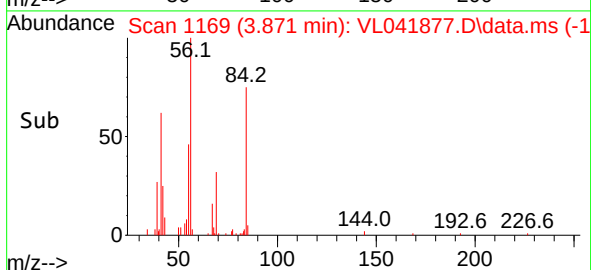
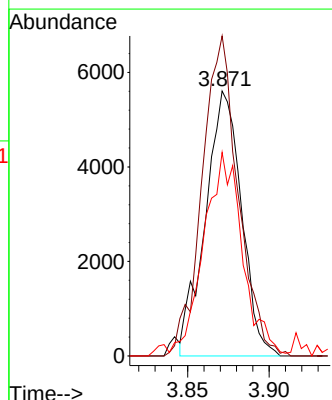
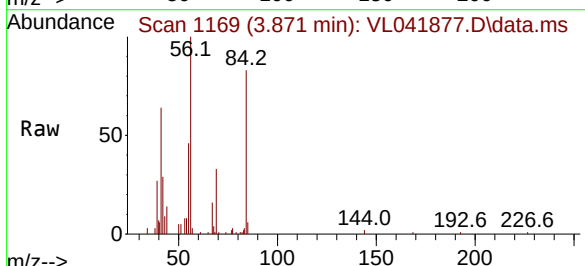
Tgt Ion: 84 Resp: 8647

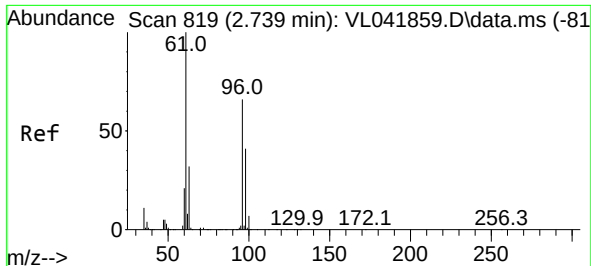
Ion Ratio Lower Upper

84 100

56 120.4 100.7 151.1

41 85.0 62.8 94.2

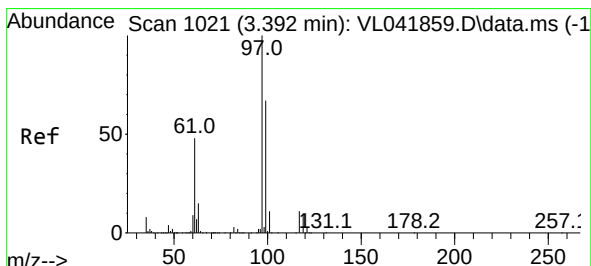
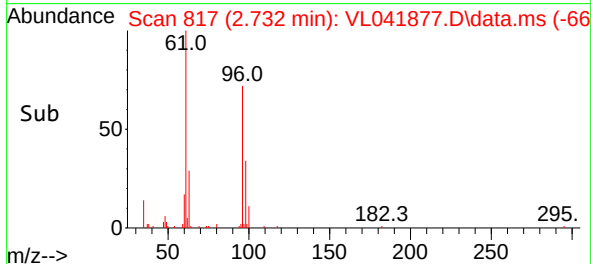
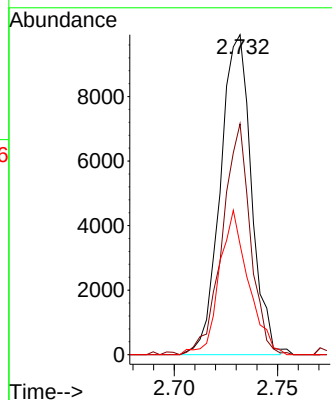
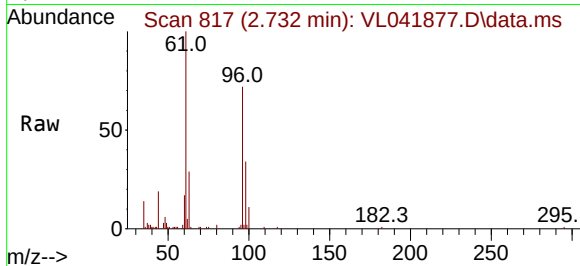




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.482 ppbv  
 RT: 2.732 min Scan# 81  
 Delta R.T. -0.007 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

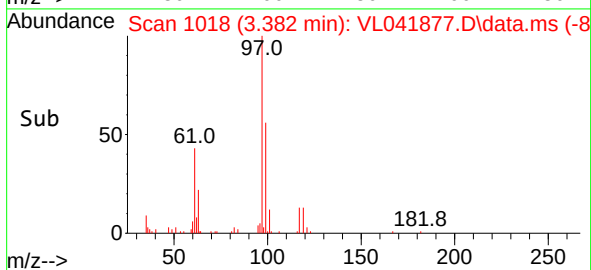
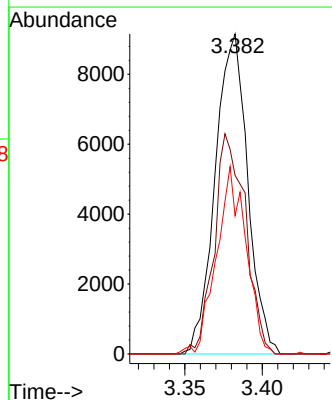
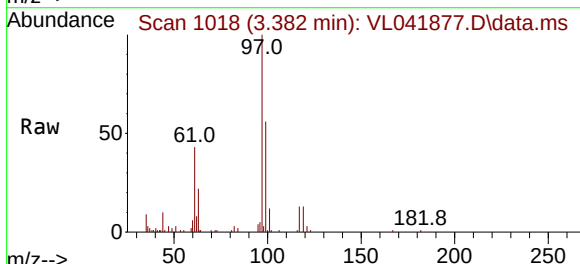
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

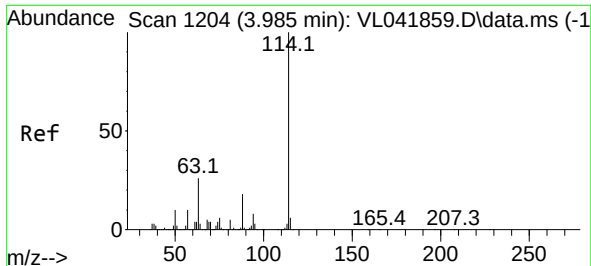
Tgt Ion: 61 Resp: 10336  
 Ion Ratio Lower Upper  
 61 100  
 96 72.1 53.2 79.8  
 98 36.5 32.5 48.7



#32  
 1,1,1-Trichloroethane  
 Concen: 0.438 ppbv  
 RT: 3.382 min Scan# 1018  
 Delta R.T. -0.010 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

Tgt Ion: 97 Resp: 13358  
 Ion Ratio Lower Upper  
 97 100  
 99 65.9 52.0 78.0  
 61 53.1 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 114

Delta R.T. -0.010 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

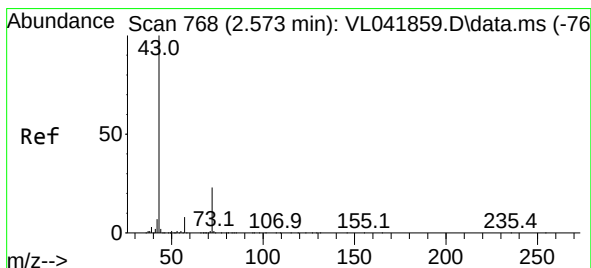
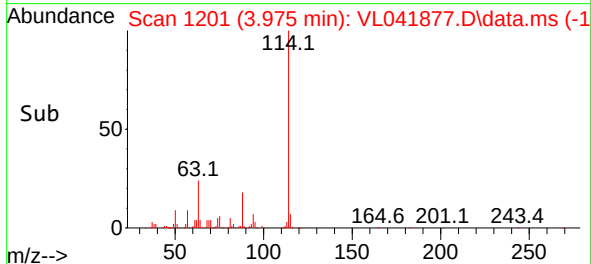
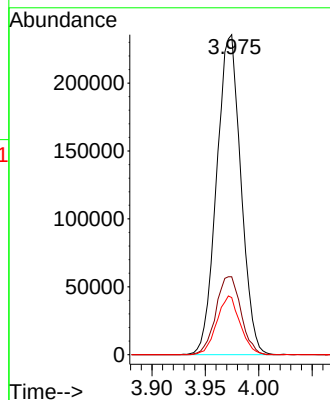
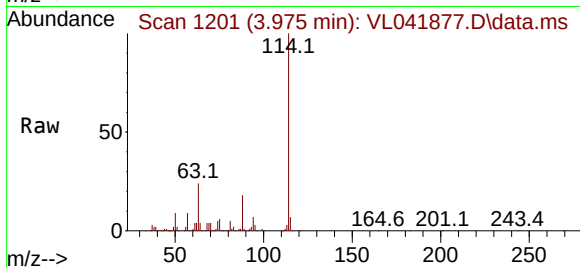
Tgt Ion:114 Resp: 371788

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 17.6 14.6 21.8



#34

2-Butanone

Concen: 0.472 ppbv

RT: 2.570 min Scan# 767

Delta R.T. -0.003 min

Lab File: VL041877.D

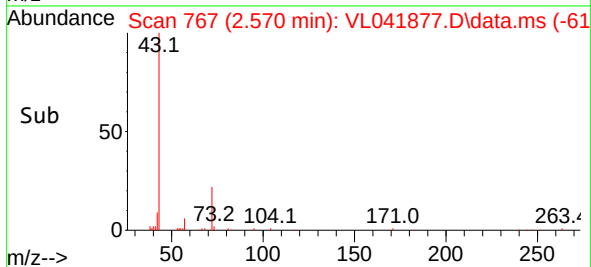
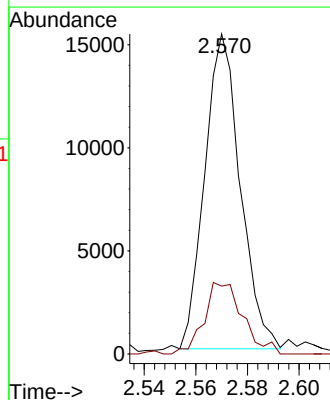
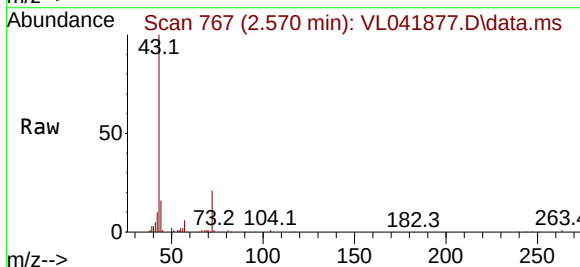
Acq: 09 Jan 2025 21:16

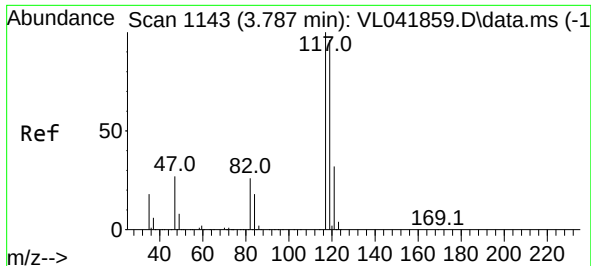
Tgt Ion: 43 Resp: 14574

Ion Ratio Lower Upper

43 100

72 25.0 18.5 27.7

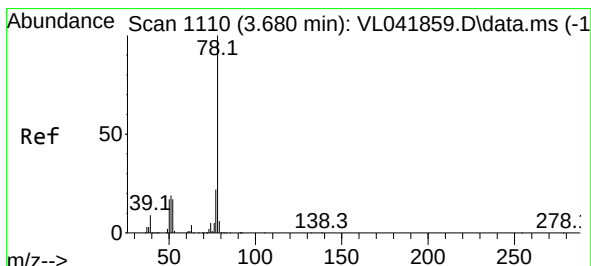
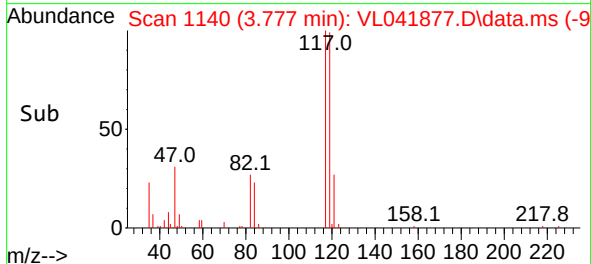
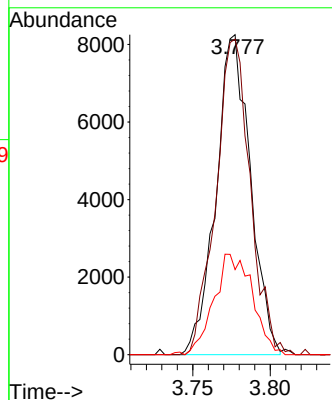
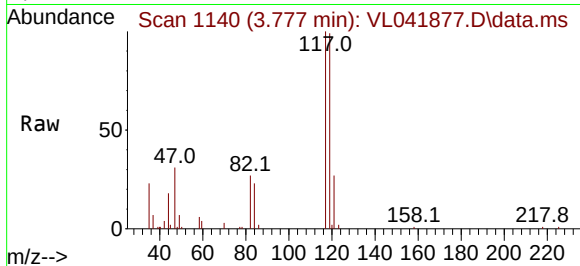




#35  
Carbon Tetrachloride  
Concen: 0.441 ppbv  
RT: 3.777 min Scan# 1143  
Delta R.T. -0.010 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

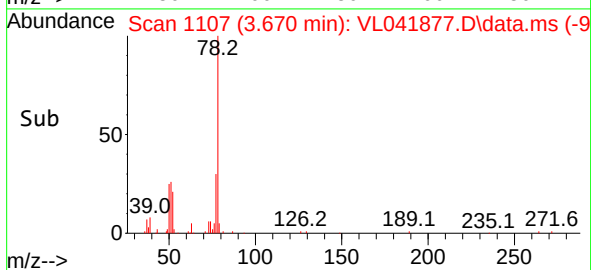
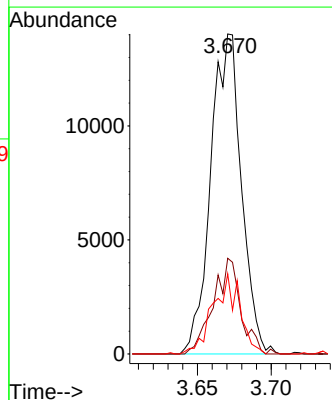
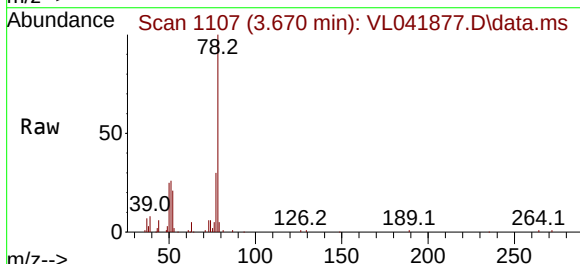
Instrument :  
MSVOA\_1  
ClientSampleId :  
MDL 0.4

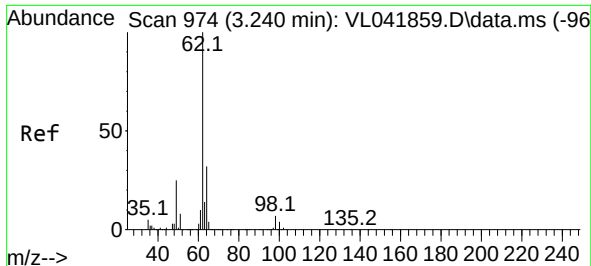
Tgt Ion:117 Resp: 12744  
Ion Ratio Lower Upper  
117 100  
119 98.6 76.9 115.3  
121 25.8 25.9 38.9#



#36  
Benzene  
Concen: 0.470 ppbv  
RT: 3.670 min Scan# 1107  
Delta R.T. -0.010 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 78 Resp: 20257  
Ion Ratio Lower Upper  
78 100  
77 29.9 17.9 26.9#  
50 25.0 13.7 20.5#

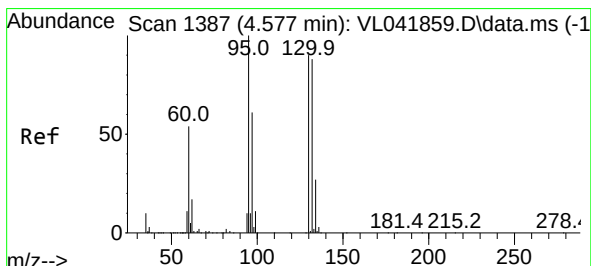
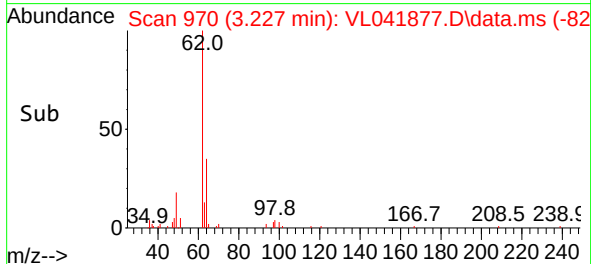
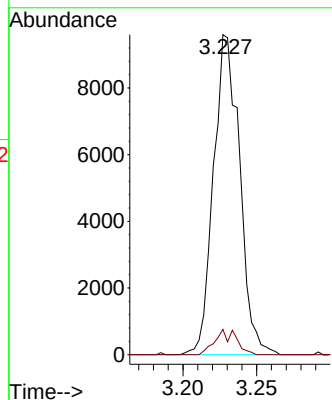
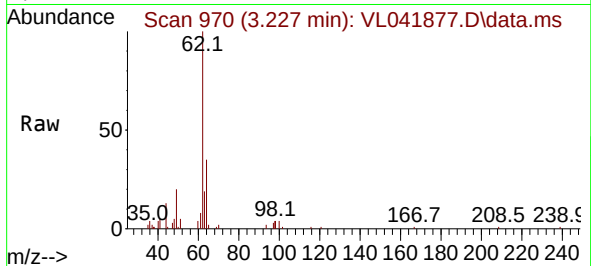




#37  
1,2-Dichloroethane  
Concen: 0.524 ppbv  
RT: 3.227 min Scan# 91  
Delta R.T. -0.013 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

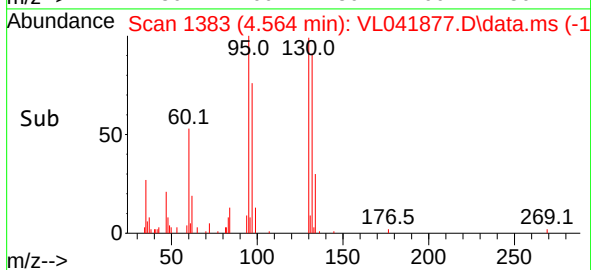
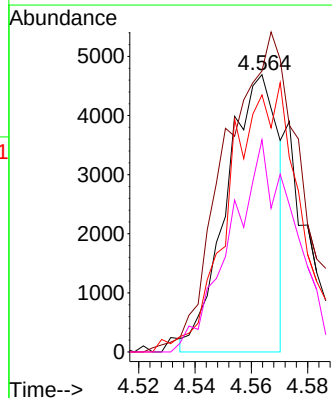
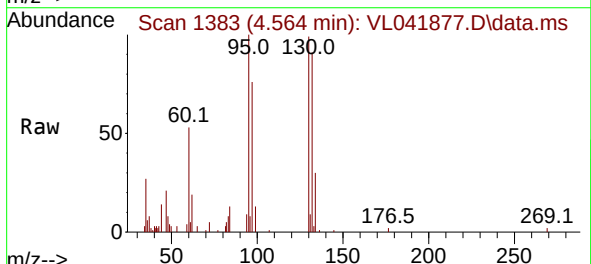
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

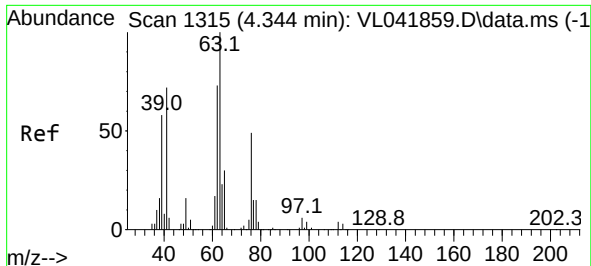
Tgt Ion: 62 Resp: 11849  
Ion Ratio Lower Upper  
62 100  
98 6.4 5.6 8.4



#38  
Trichloroethene  
Concen: 0.349 ppbv  
RT: 4.564 min Scan# 1383  
Delta R.T. -0.013 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion:130 Resp: 5945  
Ion Ratio Lower Upper  
130 100  
95 101.2 88.5 132.7  
132 91.5 78.2 117.2  
97 77.1 54.2 81.2





#39

1,2-Dichloropropane

Concen: 0.221 ppbv

RT: 4.337 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

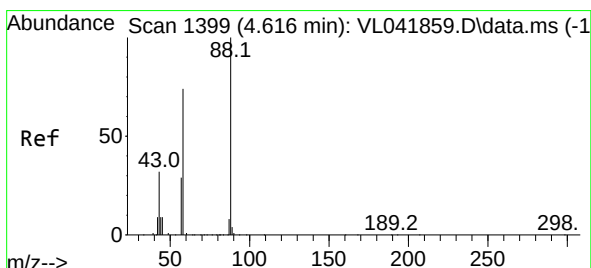
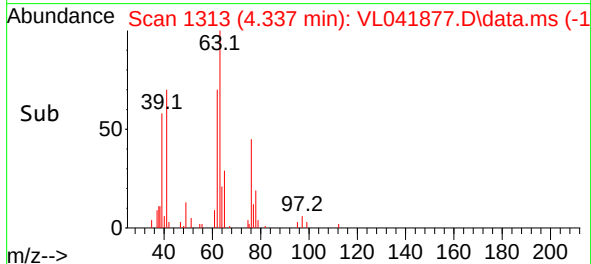
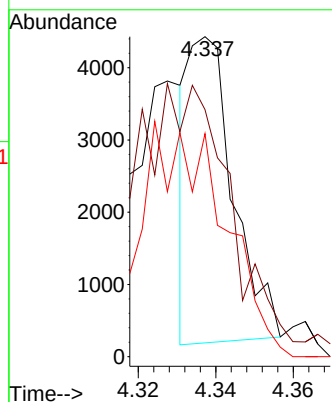
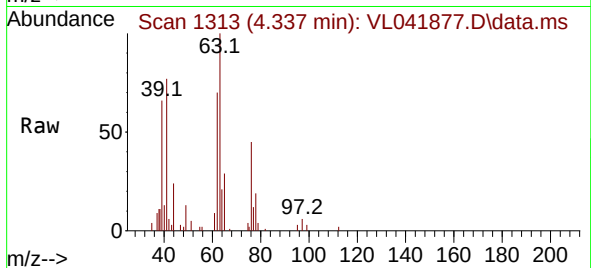
Tgt Ion: 63 Resp: 3384

Ion Ratio Lower Upper

63 100

41 67.1 58.0 87.0

62 71.1 58.6 87.8



#40

1,4-Dioxane

Concen: 0.258 ppbv

RT: 4.622 min Scan# 1401

Delta R.T. 0.006 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Tgt Ion: 88 Resp: 1990

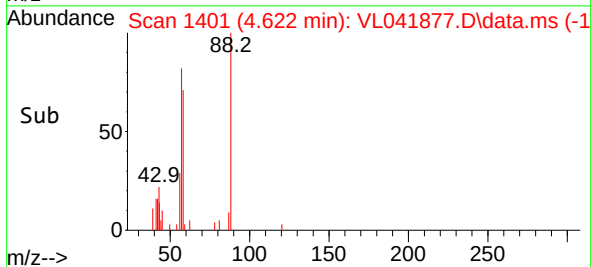
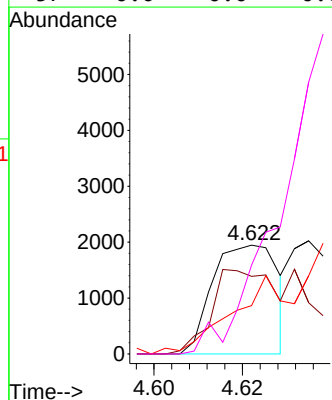
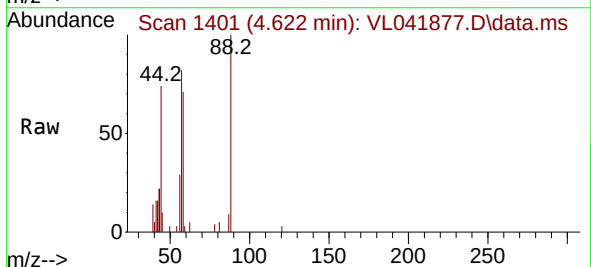
Ion Ratio Lower Upper

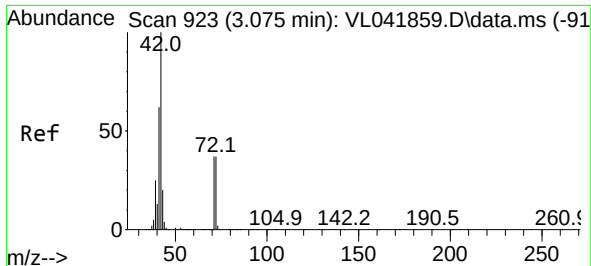
88 100

58 0.0 52.2 78.4#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

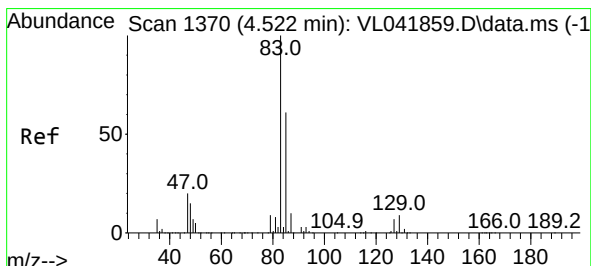
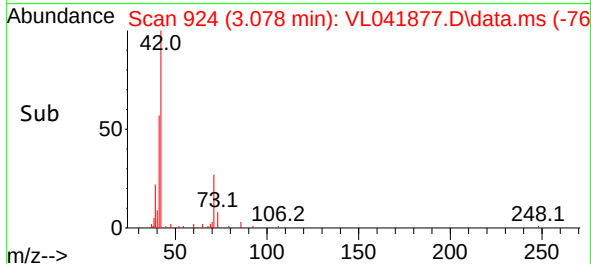
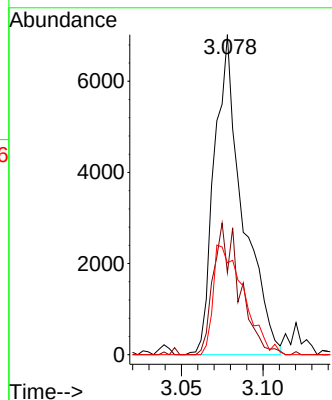
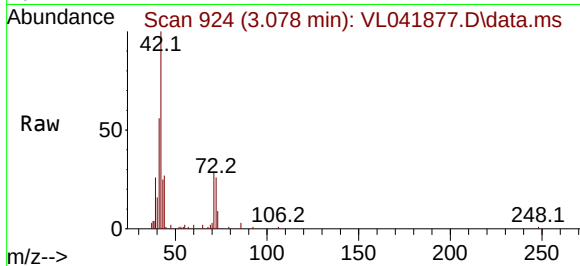




#41  
Tetrahydrofuran  
Concen: 0.466 ppbv  
RT: 3.078 min Scan# 91  
Delta R.T. 0.003 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

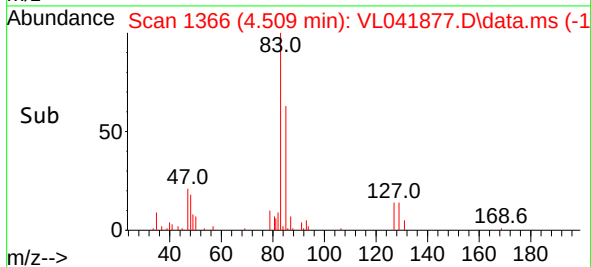
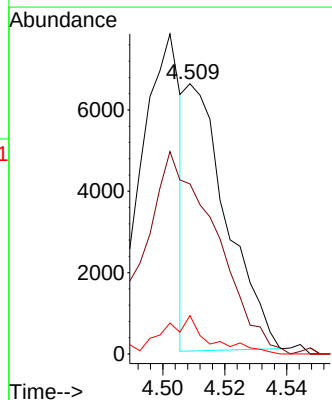
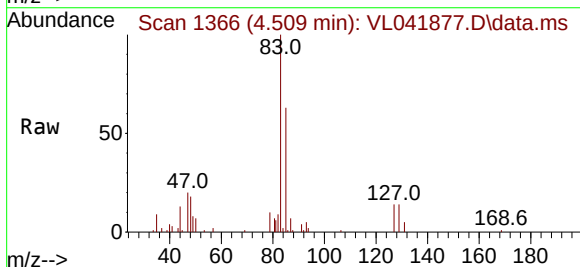
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 8466  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 39.1  | 30.8  | 46.2  |
| 71       | 36.9  | 30.1  | 45.1  |

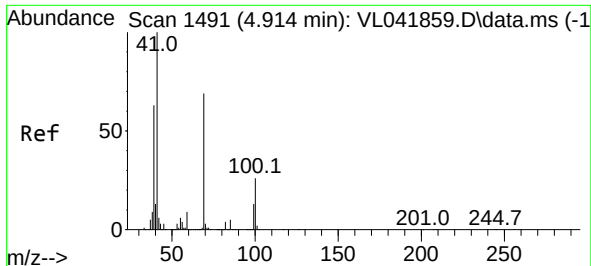


#42  
Bromodichloromethane  
Concen: 0.192 ppbv  
RT: 4.509 min Scan# 1366  
Delta R.T. -0.013 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 5957  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 61.8  | 48.9  | 73.3  |
| 127      | 14.5  | 5.4   | 8.2   |



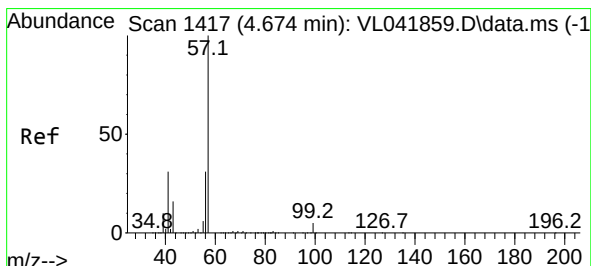
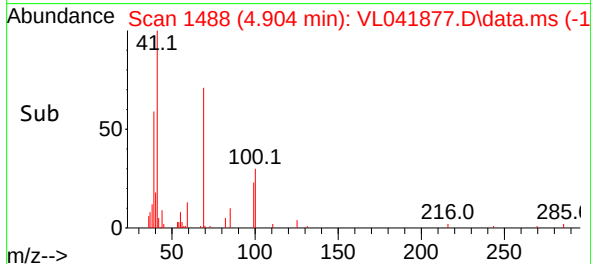
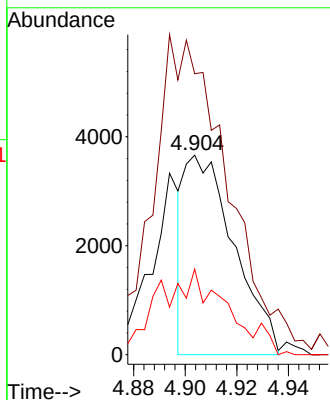
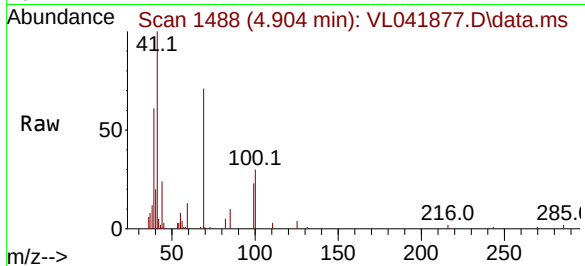




#43  
Methyl Methacrylate  
Concen: 0.277 ppbv  
RT: 4.904 min Scan# 1491  
Delta R.T. -0.010 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

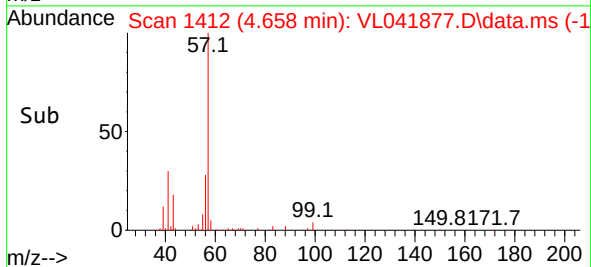
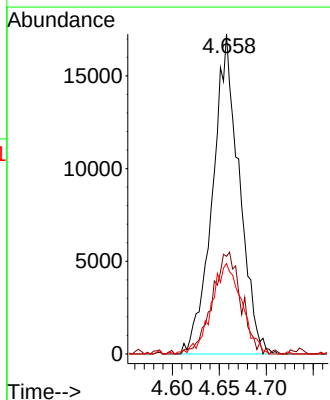
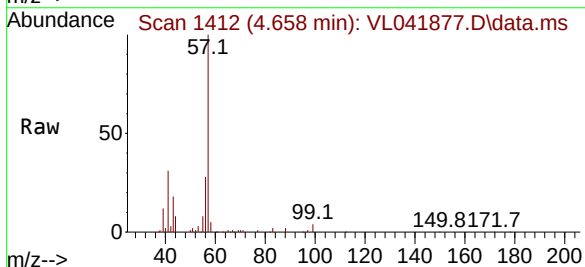
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

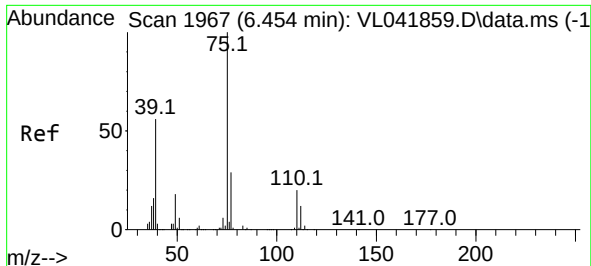
Tgt Ion: 69 Resp: 4899  
Ion Ratio Lower Upper  
69 100  
41 0.0 116.2 174.4#  
100 59.7 29.8 44.8#



#44  
2,2,4-Trimethylpentane  
Concen: 0.467 ppbv  
RT: 4.658 min Scan# 1412  
Delta R.T. -0.016 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 57 Resp: 34042  
Ion Ratio Lower Upper  
57 100  
41 35.1 25.5 38.3  
56 32.4 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 0.182 ppbv

RT: 6.438 min Scan# 1962

Delta R.T. -0.016 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

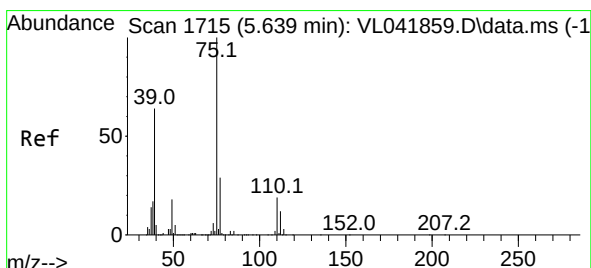
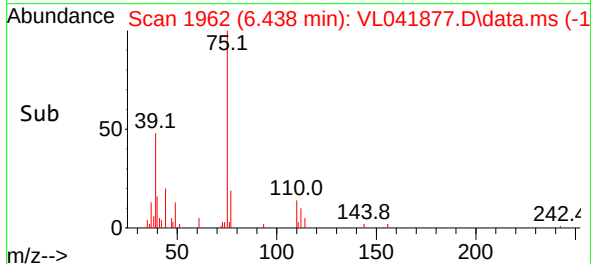
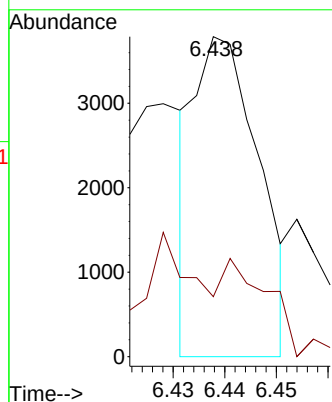
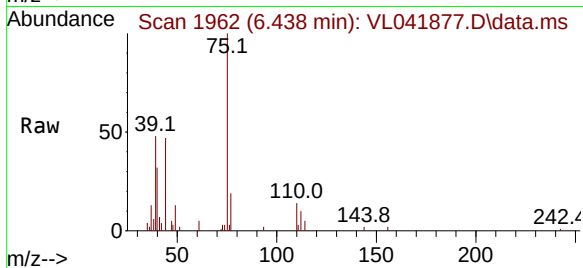
MDL 0.4

Tgt Ion: 75 Resp: 3289

Ion Ratio Lower Upper

75 100

77 18.8 23.4 35.2#



#46

cis-1,3-Dichloropropene

Concen: 0.252 ppbv

RT: 5.625 min Scan# 1711

Delta R.T. -0.013 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

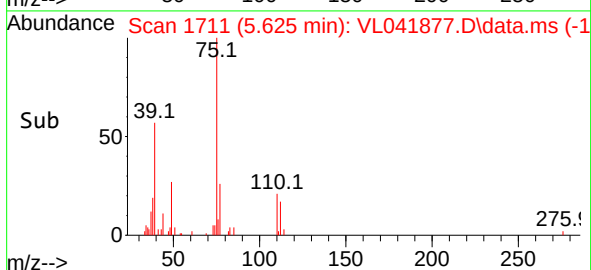
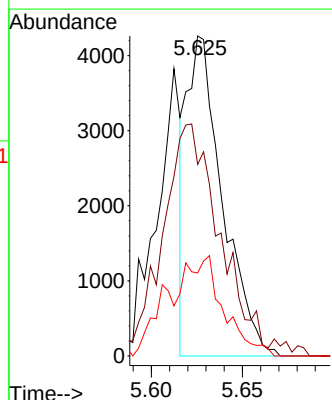
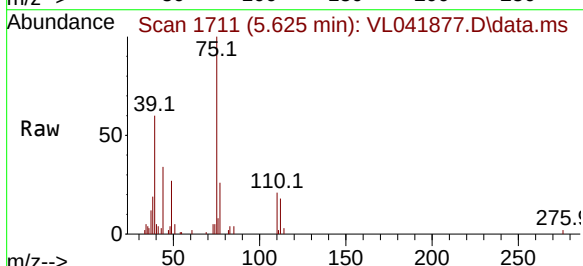
Tgt Ion: 75 Resp: 5844

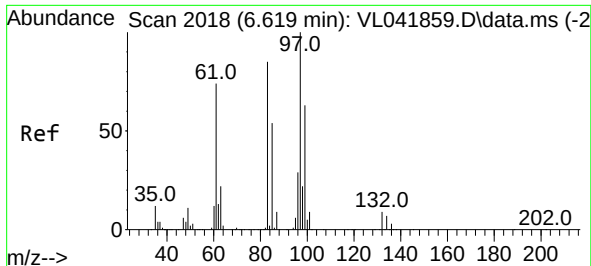
Ion Ratio Lower Upper

75 100

39 56.7 51.4 77.2

77 26.0 23.0 34.4





#47

1,1,2-Trichloroethane

Concen: 0.394 ppbv

RT: 6.609 min Scan# 2018

Delta R.T. -0.010 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

Tgt Ion: 97 Resp: 6353

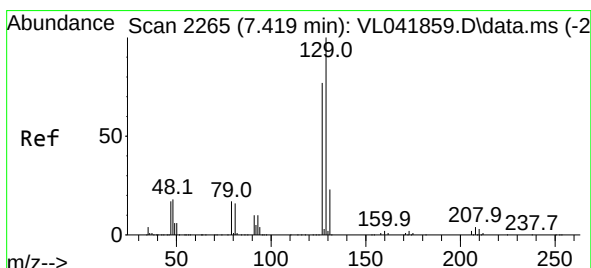
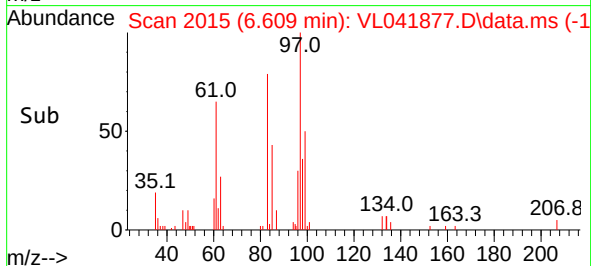
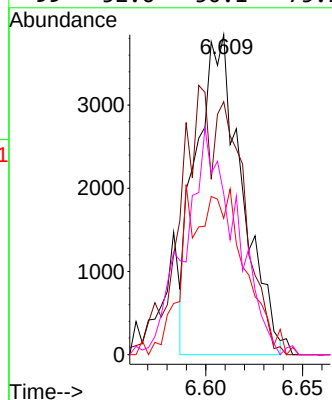
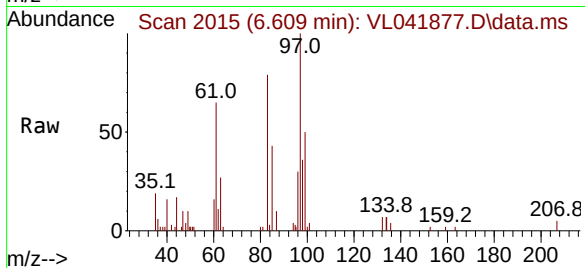
Ion Ratio Lower Upper

97 100

83 80.1 68.1 102.1

85 36.3 43.4 65.2#

99 52.6 50.1 75.1



#48

Dibromochloromethane

Concen: 0.393 ppbv

RT: 7.402 min Scan# 2260

Delta R.T. -0.016 min

Lab File: VL041877.D

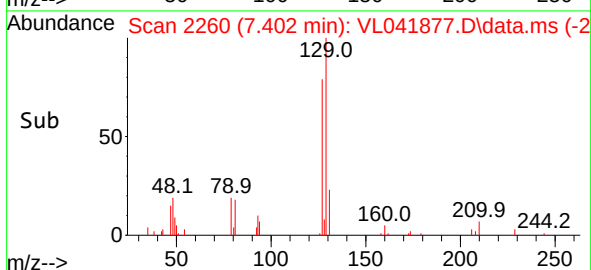
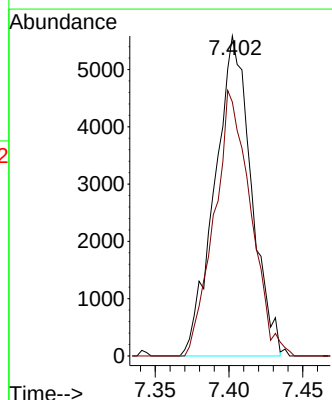
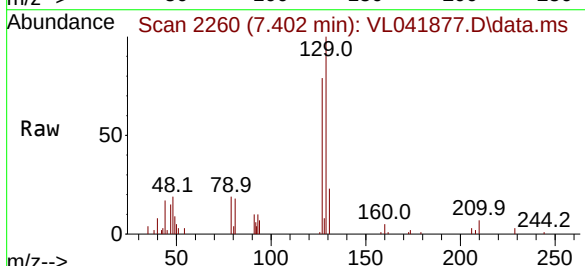
Acq: 09 Jan 2025 21:16

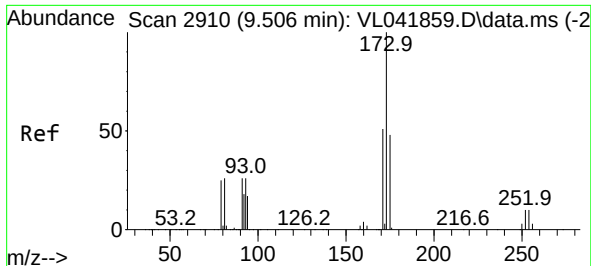
Tgt Ion: 129 Resp: 9624

Ion Ratio Lower Upper

129 100

127 82.4 39.4 118.1

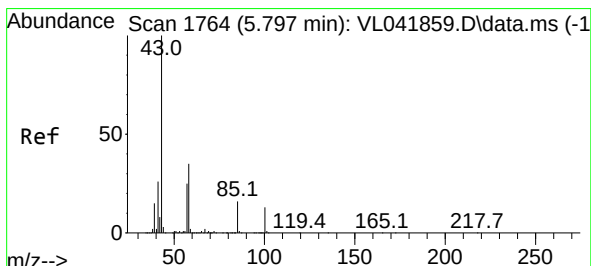
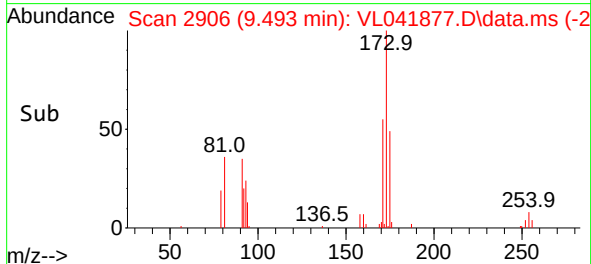
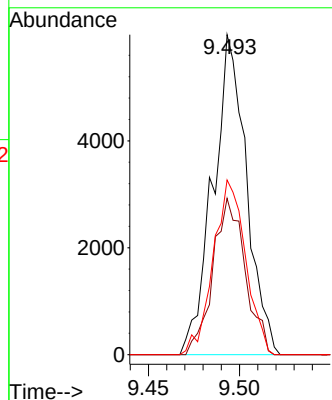
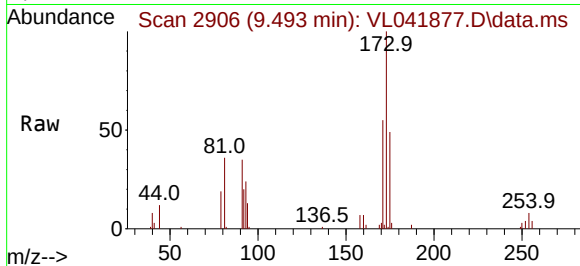




#49  
Bromoform  
Concen: 0.358 ppbv  
RT: 9.493 min Scan# 2910  
Delta R.T. -0.013 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

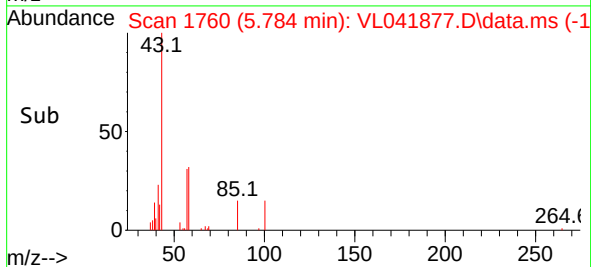
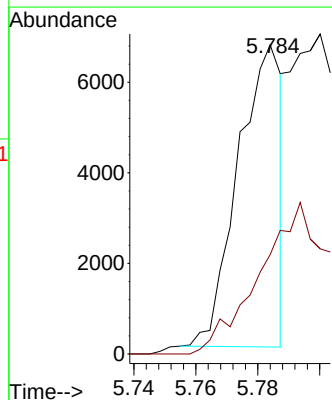
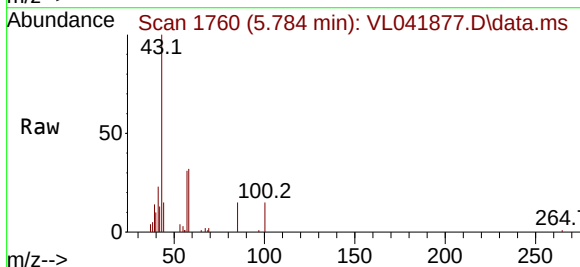
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

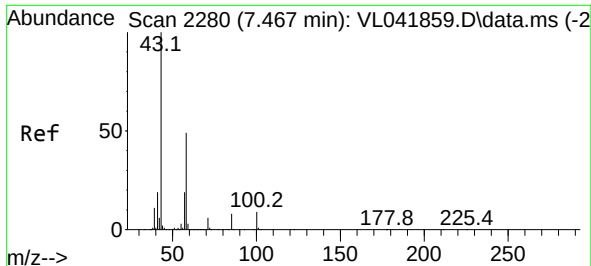
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 7655      |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 47.1  | 38.2 57.2 |
| 171         | 52.8  | 41.3 61.9 |



#50  
4-Methyl-2-Pentanone  
Concen: 0.148 ppbv  
RT: 5.784 min Scan# 1760  
Delta R.T. -0.013 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 43 | Resp: | 6518       |
| Ion Ratio   | Lower | Upper      |
| 43          | 100   |            |
| 58          | 0.0   | 29.4 44.2# |

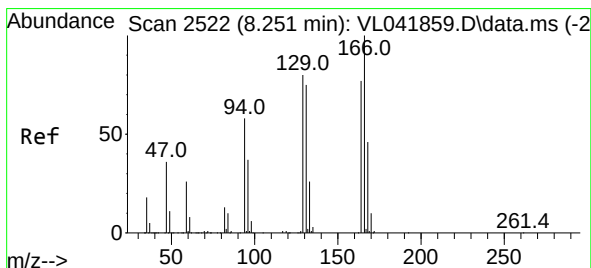
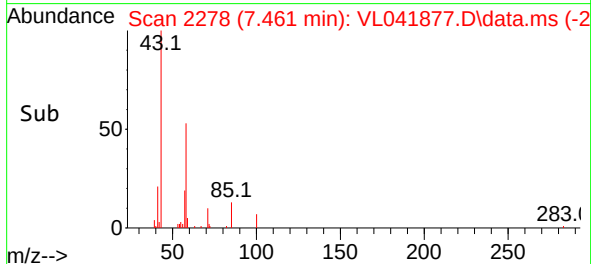
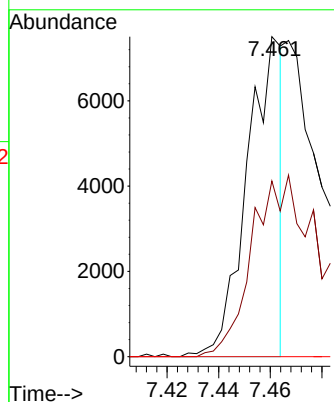
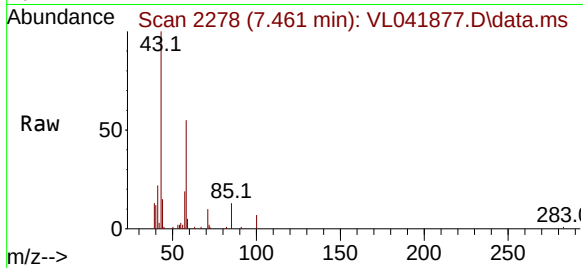




#51  
2-Hexanone  
Concen: 0.195 ppbv  
RT: 7.461 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

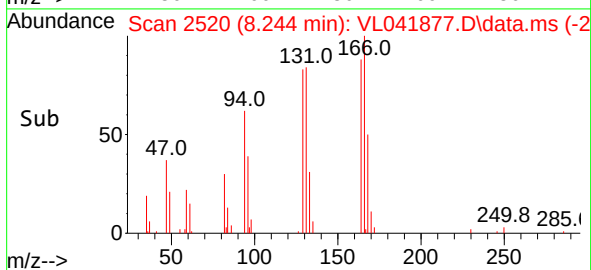
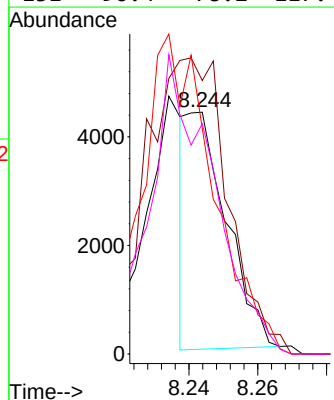
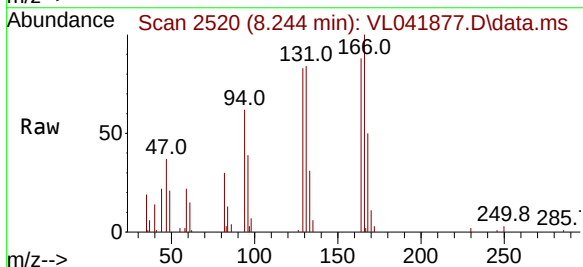
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

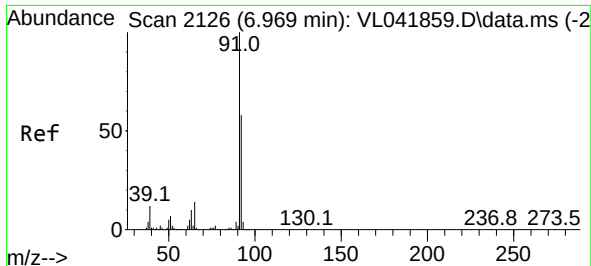
Tgt Ion: 43 Resp: 7065  
Ion Ratio Lower Upper  
43 100  
58 0.0 40.0 60.0#  
98 0.0 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 0.212 ppbv  
RT: 8.244 min Scan# 2520  
Delta R.T. -0.007 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 164 Resp: 3505  
Ion Ratio Lower Upper  
164 100  
166 108.4 103.6 155.4  
129 94.2 82.6 123.8  
131 96.4 78.2 117.4

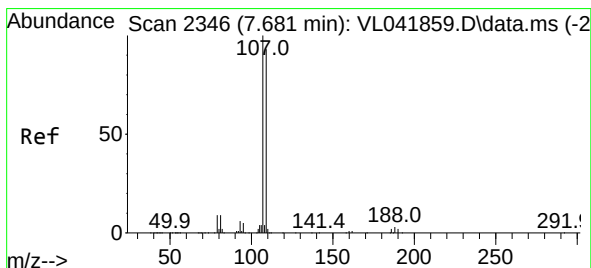
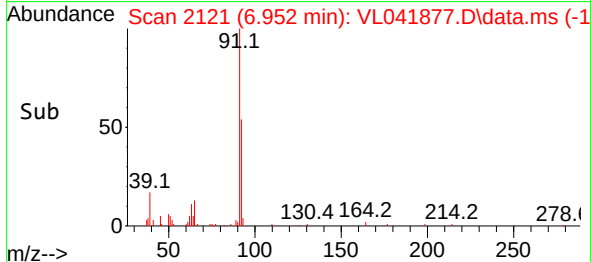
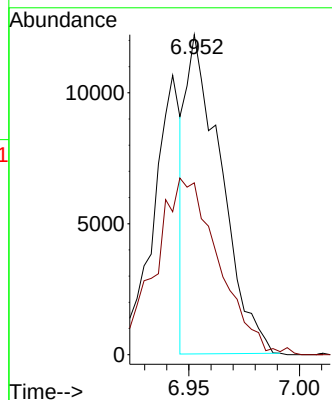
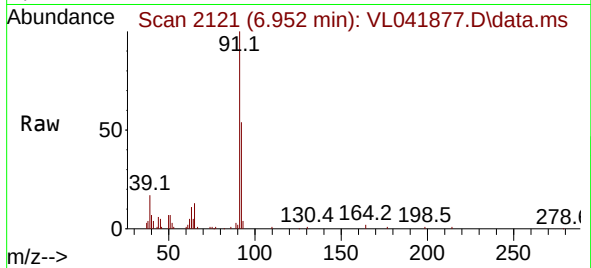




#53  
Toluene  
Concen: 0.263 ppbv  
RT: 6.952 min Scan# 2121  
Delta R.T. -0.016 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

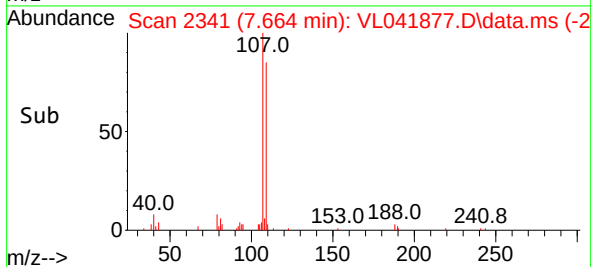
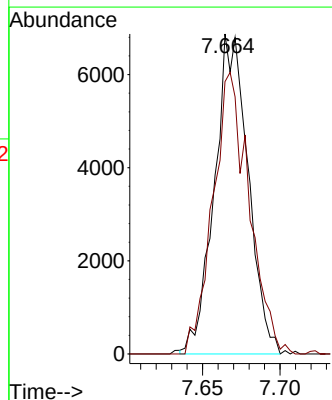
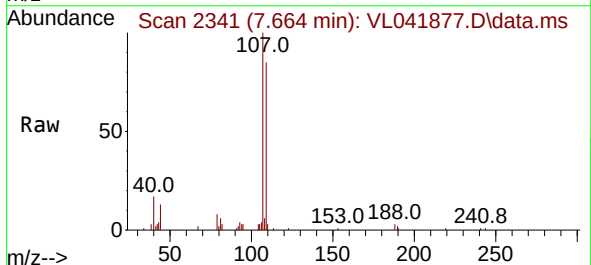
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

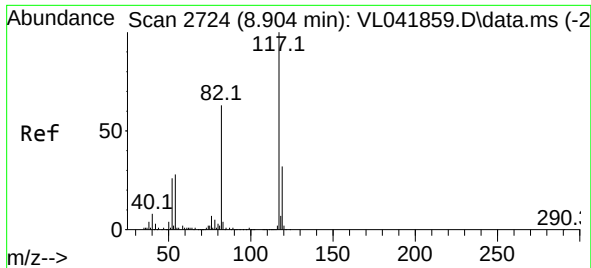
Tgt Ion: 91 Resp: 13505  
Ion Ratio Lower Upper  
91 100  
92 0.0 47.2 70.8#



#54  
1,2-Dibromoethane  
Concen: 0.475 ppbv  
RT: 7.664 min Scan# 2341  
Delta R.T. -0.016 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 107 Resp: 10438  
Ion Ratio Lower Upper  
107 100  
109 85.1 74.6 112.0

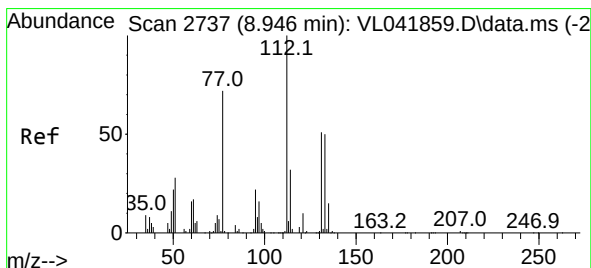
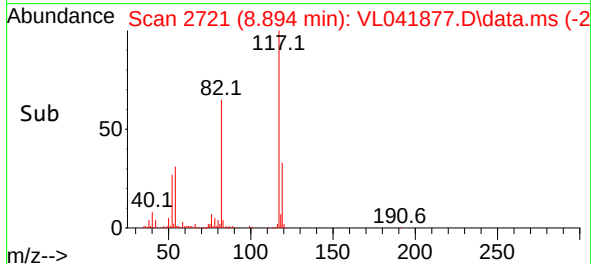
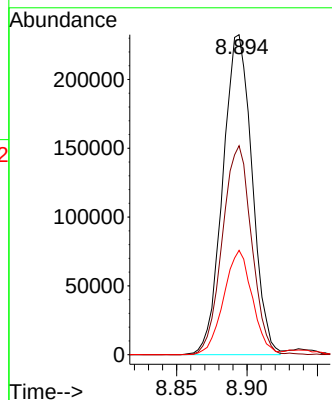
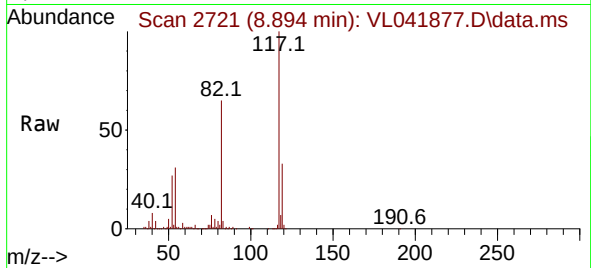




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.894 min Scan# 21  
Delta R.T. -0.010 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

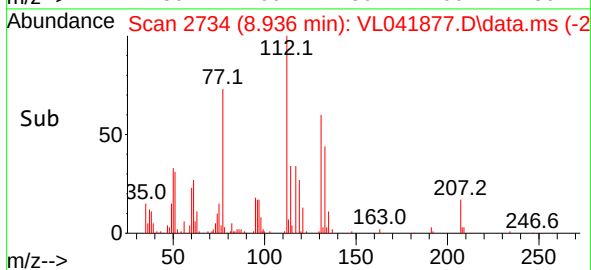
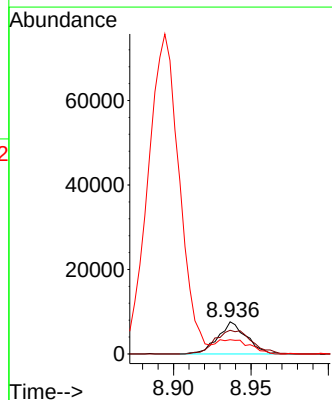
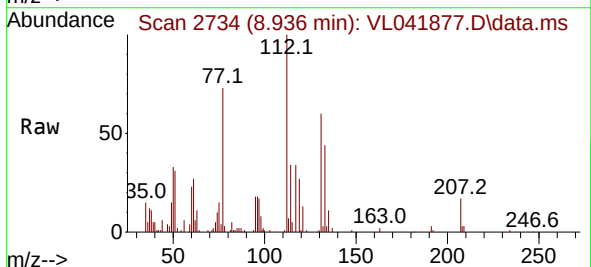
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

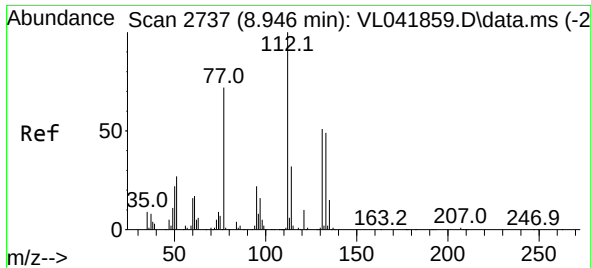
Tgt Ion:117 Resp: 336513  
Ion Ratio Lower Upper  
117 100  
82 65.5 54.5 81.7  
119 33.5 24.6 37.0



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.482 ppbv  
RT: 8.936 min Scan# 2734  
Delta R.T. -0.010 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion:131 Resp: 9676  
Ion Ratio Lower Upper  
131 100  
133 95.4 77.4 116.2  
119 1164.9 49.4 74.0#

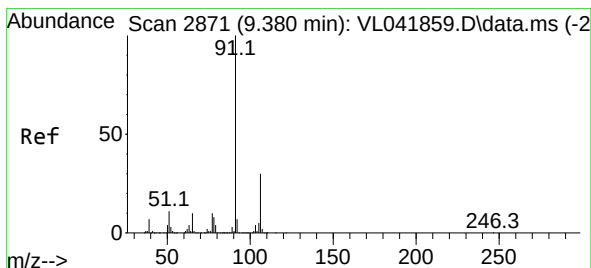
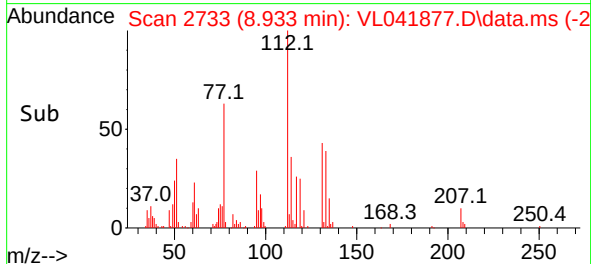
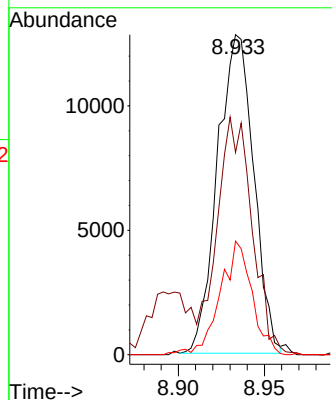
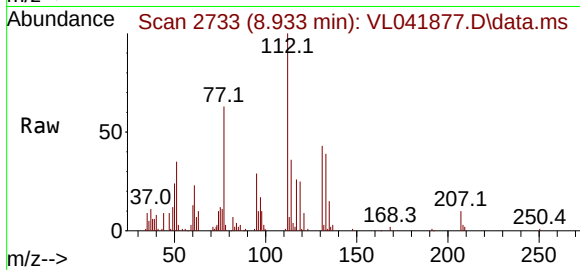




#57  
Chlorobenzene  
Concen: 0.499 ppbv  
RT: 8.933 min Scan# 21  
Delta R.T. -0.013 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

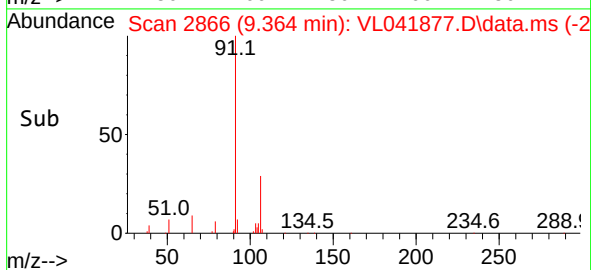
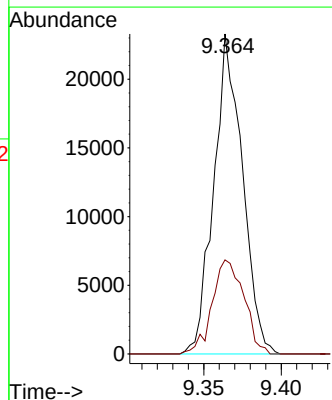
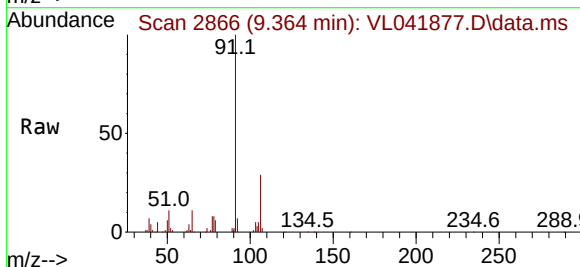
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 18725 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 77        | 61.1  | 58.3  | 87.5  |
| 114       | 35.2  | 28.9  | 35.3  |

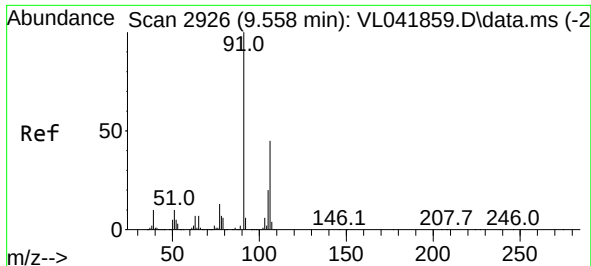


#58  
Ethyl Benzene  
Concen: 0.433 ppbv  
RT: 9.364 min Scan# 2866  
Delta R.T. -0.016 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 29925 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 106       | 29.4  | 24.2  | 36.2  |



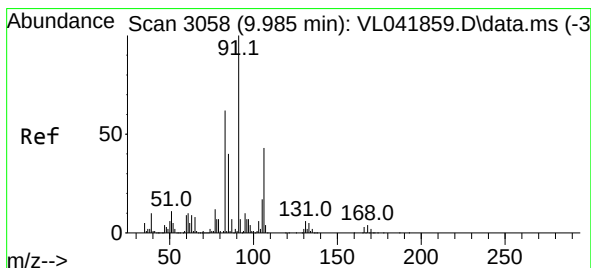
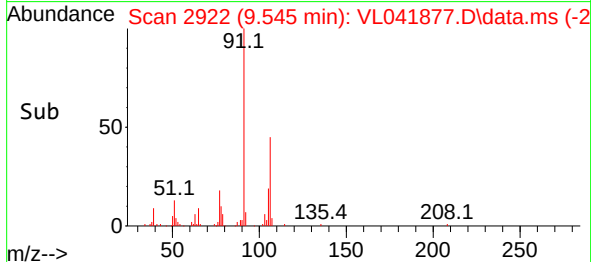
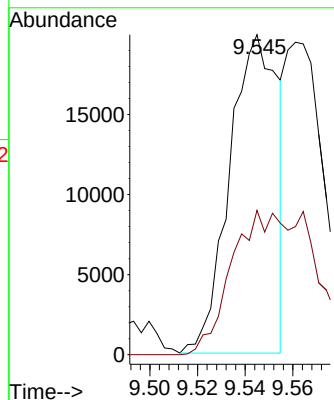
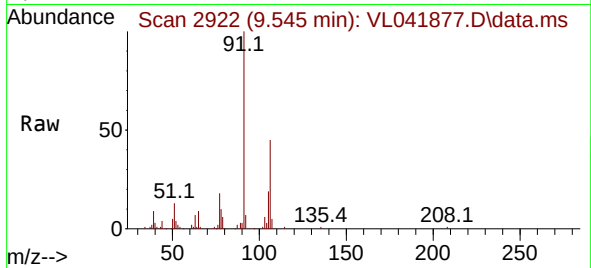




#59  
m/p-Xylene  
Concen: 0.510 ppbv  
RT: 9.545 min Scan# 2926  
Delta R.T. -0.013 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

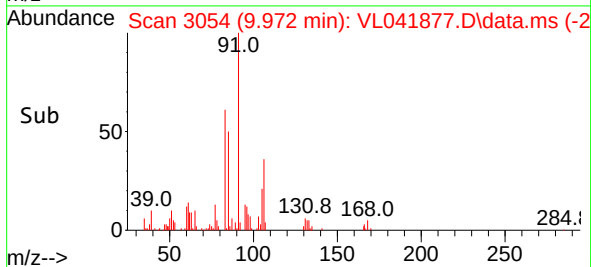
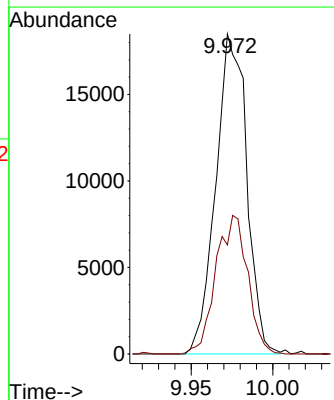
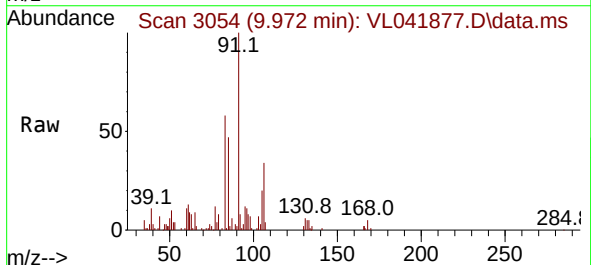
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

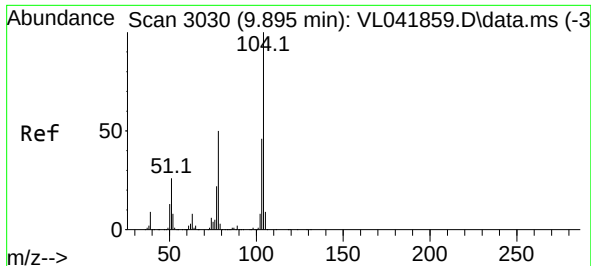
Tgt Ion: 91 Resp: 27871  
Ion Ratio Lower Upper  
91 100  
106 77.5 0.0 0.0#



#60  
o-Xylene  
Concen: 0.447 ppbv  
RT: 9.972 min Scan# 3054  
Delta R.T. -0.013 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 91 Resp: 24391  
Ion Ratio Lower Upper  
91 100  
106 44.4 21.4 64.3





#61

Styrene

Concen: 0.416 ppbv

RT: 9.882 min Scan# 3030

Delta R.T. -0.013 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

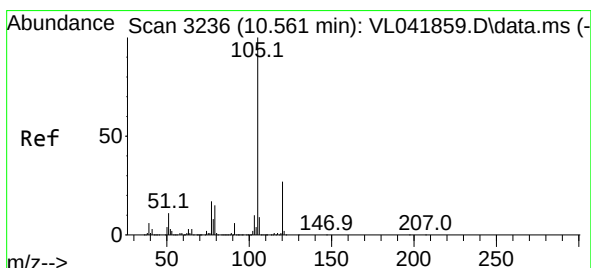
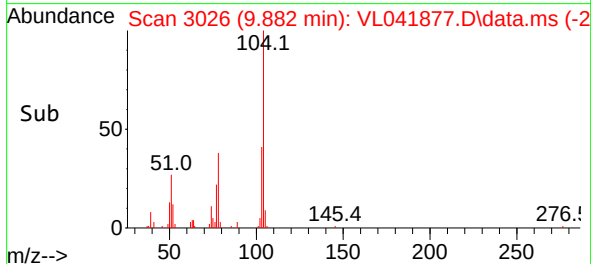
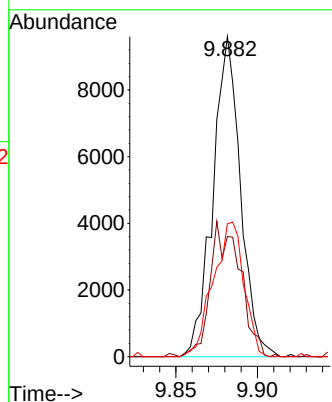
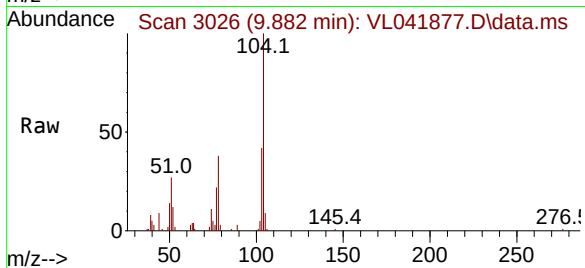
Tgt Ion:104 Resp: 11338

Ion Ratio Lower Upper

104 100

78 45.8 40.7 61.1

103 46.6 37.0 55.6



#62

Isopropylbenzene

Concen: 0.453 ppbv

RT: 10.552 min Scan# 3233

Delta R.T. -0.010 min

Lab File: VL041877.D

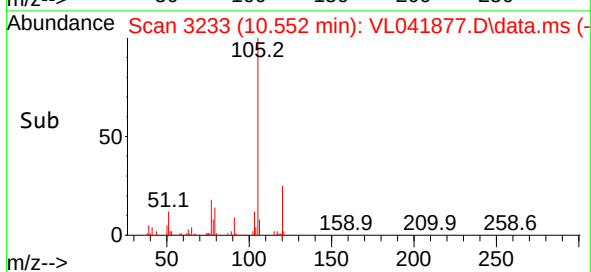
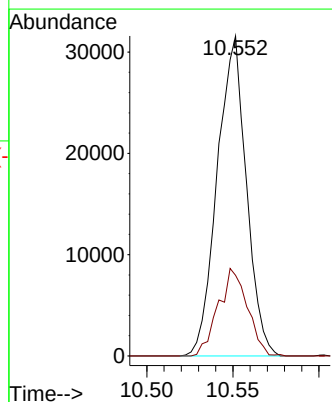
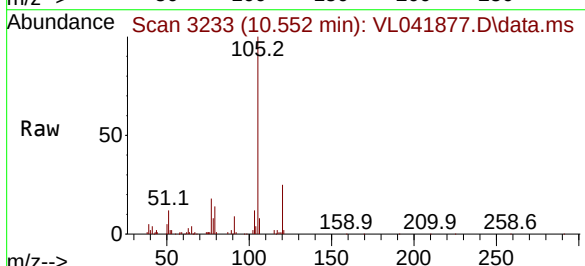
Acq: 09 Jan 2025 21:16

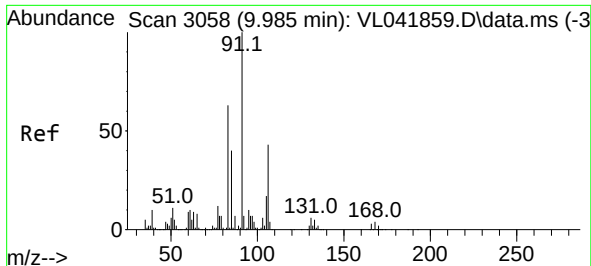
Tgt Ion:105 Resp: 37184

Ion Ratio Lower Upper

105 100

120 27.4 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.460 ppbv

RT: 9.975 min Scan# 3055

Delta R.T. -0.010 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

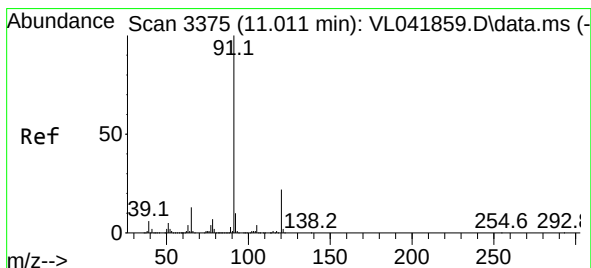
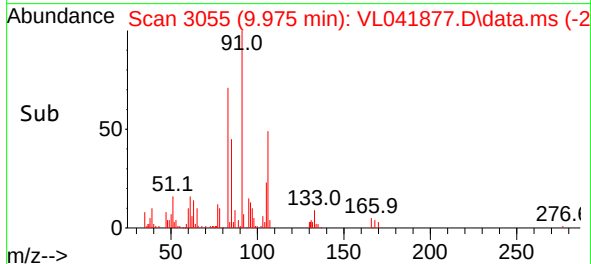
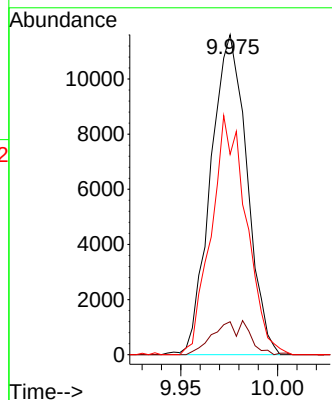
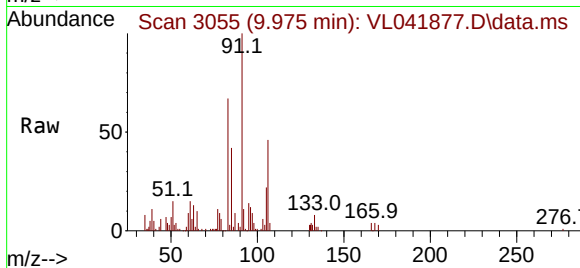
Tgt Ion: 83 Resp: 15075

Ion Ratio Lower Upper

83 100

131 10.5 4.8 14.3

85 72.9 32.1 96.3



#64

n-propylbenzene

Concen: 0.436 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. -0.013 min

Lab File: VL041877.D

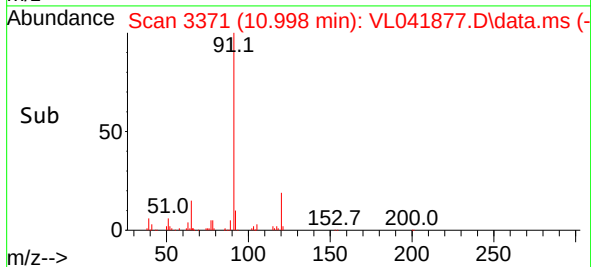
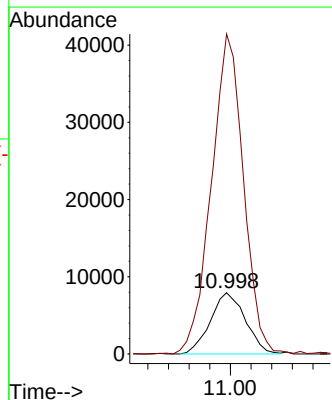
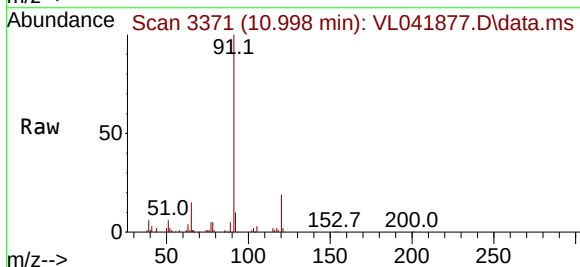
Acq: 09 Jan 2025 21:16

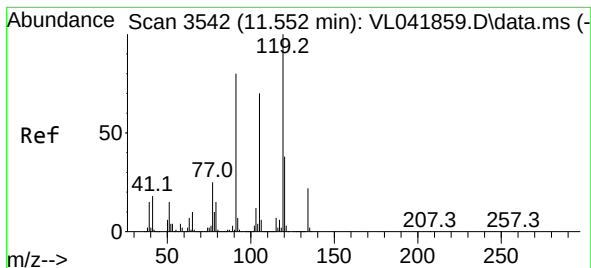
Tgt Ion: 120 Resp: 9322

Ion Ratio Lower Upper

120 100

91 481.9 376.9 565.3

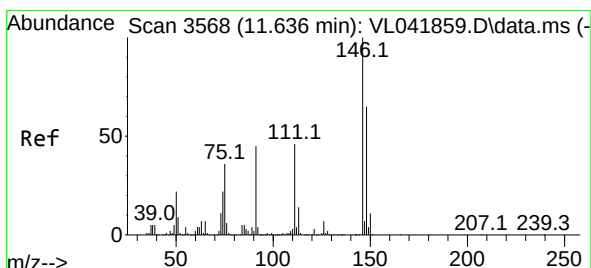
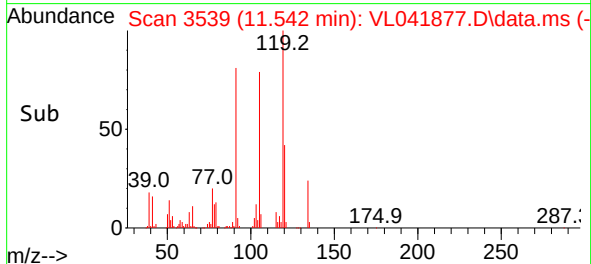
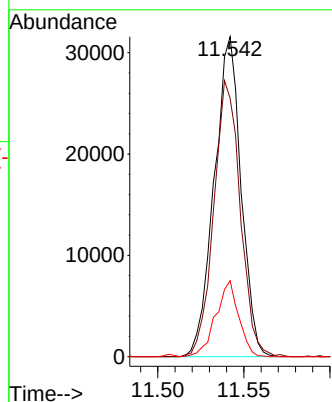
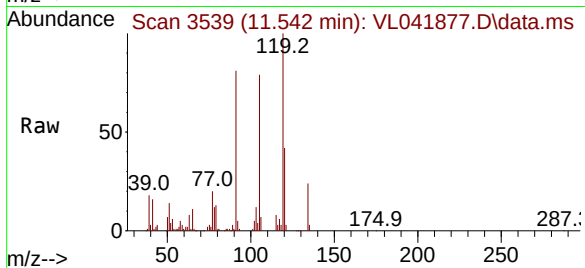




#65  
tert-Butylbenzene  
Concen: 0.461 ppbv  
RT: 11.542 min Scan# 3539  
Delta R.T. -0.010 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

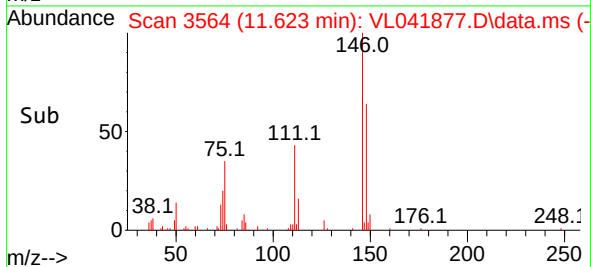
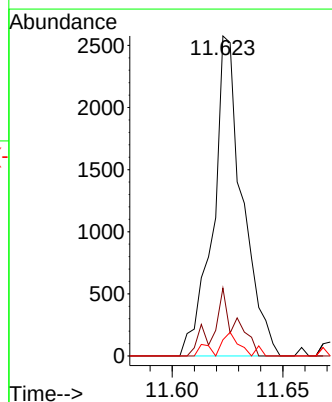
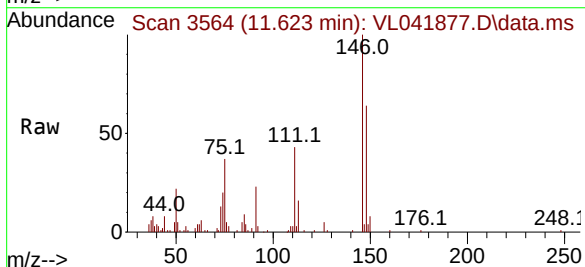
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

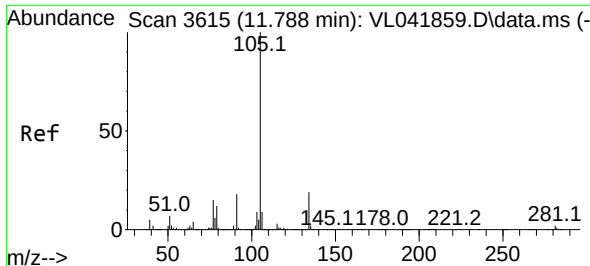
Tgt Ion:119 Resp: 34265  
Ion Ratio Lower Upper  
119 100  
91 85.0 64.6 97.0  
134 20.5 16.9 25.3



#66  
Benzyl Chloride  
Concen: 0.309 ppbv  
RT: 11.623 min Scan# 3564  
Delta R.T. -0.013 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion: 91 Resp: 2375  
Ion Ratio Lower Upper  
91 100  
126 16.3 13.9 20.9  
128 6.1 4.8 7.2

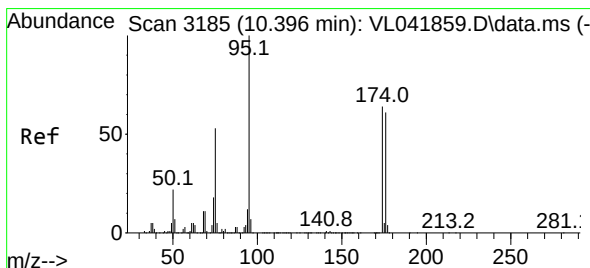
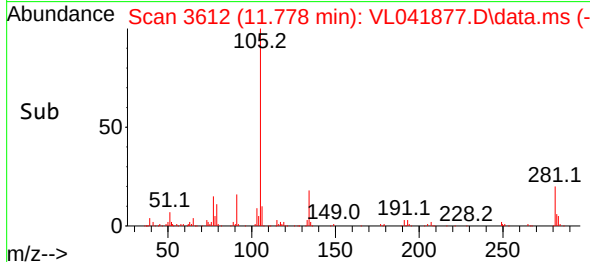
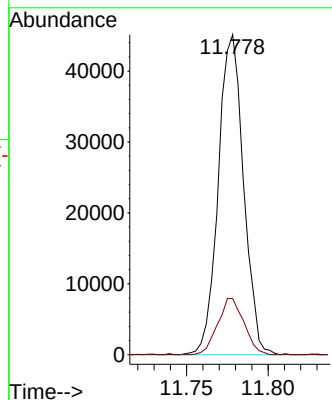
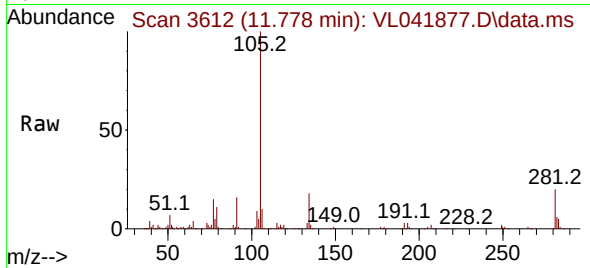




#67  
 sec-Butylbenzene  
 Concen: 0.475 ppbv  
 RT: 11.778 min Scan# 3612  
 Delta R.T. -0.010 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

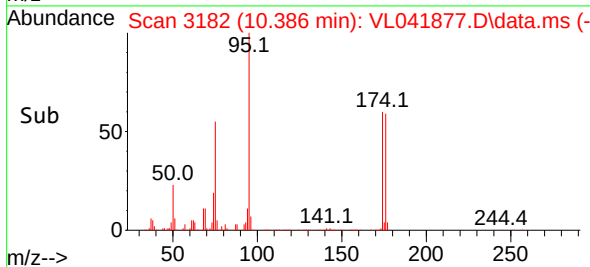
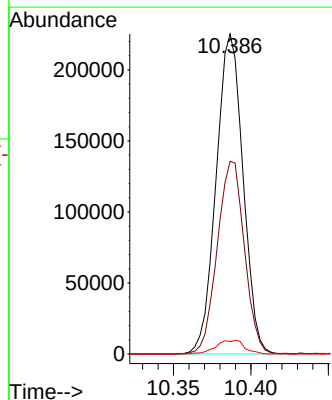
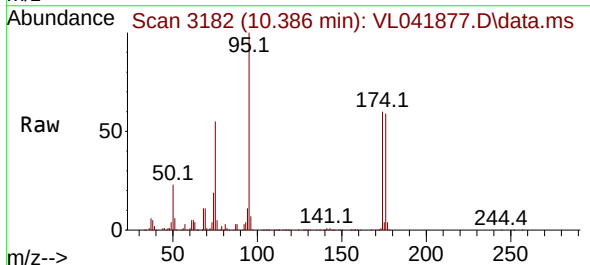
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

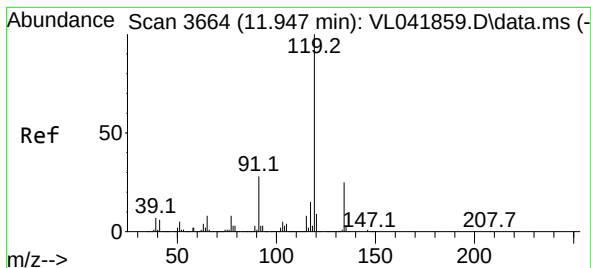
Tgt Ion:105 Resp: 48652  
 Ion Ratio Lower Upper  
 105 100  
 134 18.3 15.4 23.2



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.075 ppbv  
 RT: 10.386 min Scan# 3182  
 Delta R.T. -0.010 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

Tgt Ion: 95 Resp: 271852  
 Ion Ratio Lower Upper  
 95 100  
 174 60.8 51.1 76.7  
 175 4.5 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.450 ppbv

RT: 11.937 min Scan# 3661

Delta R.T. -0.010 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

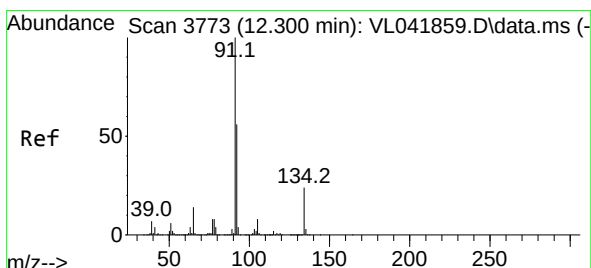
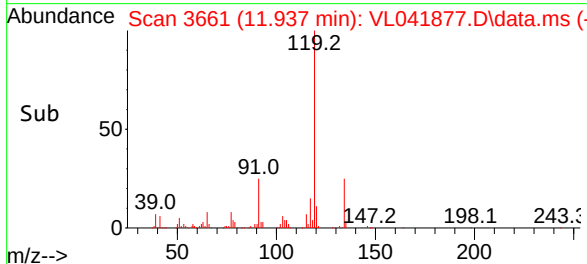
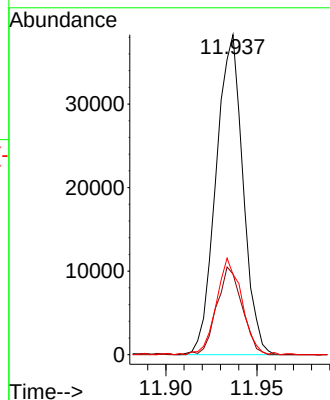
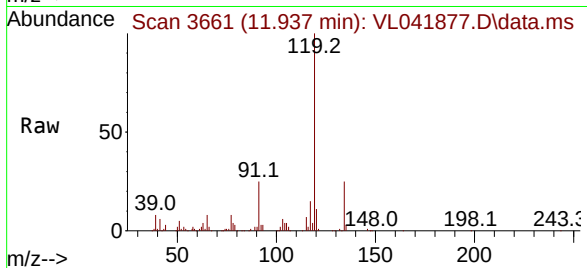
Tgt Ion:119 Resp: 39326

Ion Ratio Lower Upper

119 100

134 25.7 20.3 30.5

91 28.8 22.6 34.0



#70

n-Butylbenzene

Concen: 0.437 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. -0.007 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

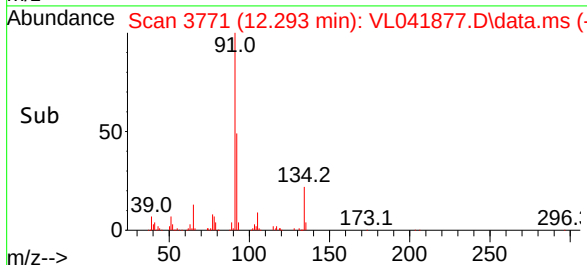
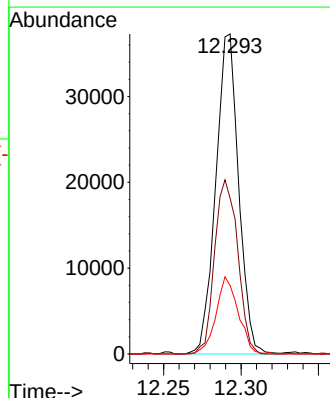
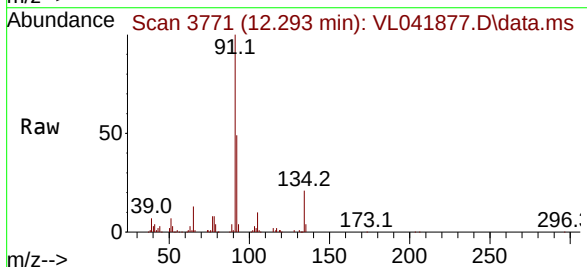
Tgt Ion: 91 Resp: 38289

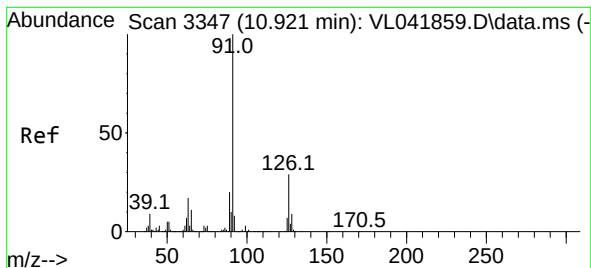
Ion Ratio Lower Upper

91 100

92 54.9 43.8 65.8

134 23.5 19.3 28.9

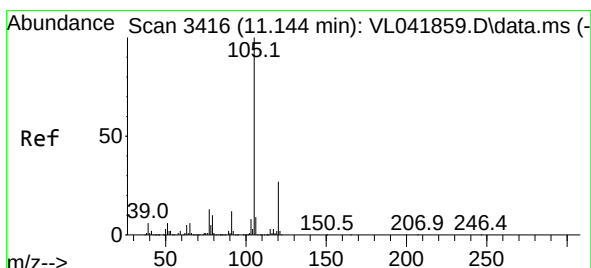
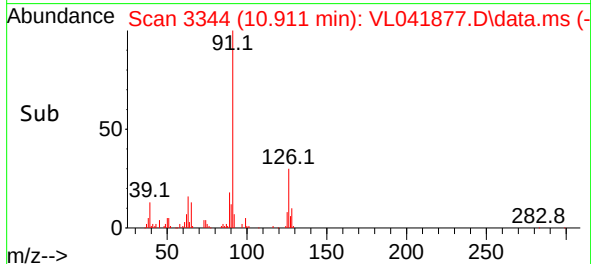
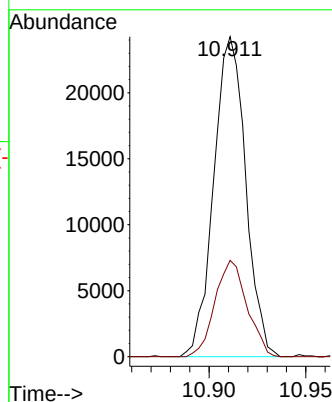
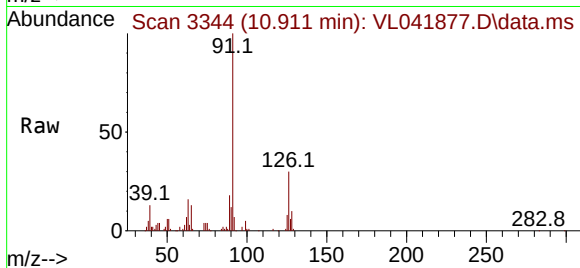




#71  
2-Chlorotoluene  
Concen: 0.438 ppbv  
RT: 10.911 min Scan# 31  
Delta R.T. -0.010 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

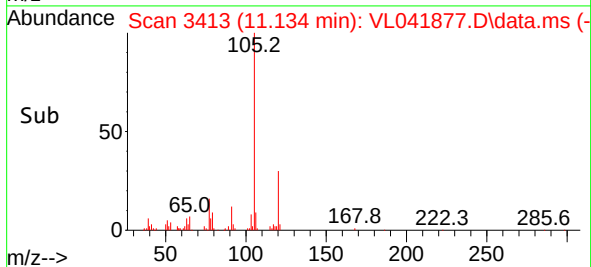
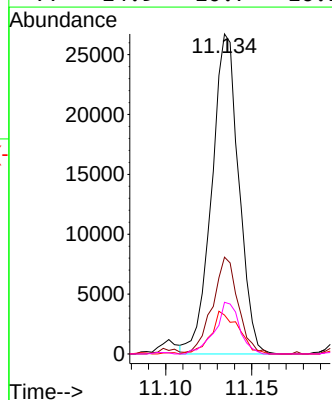
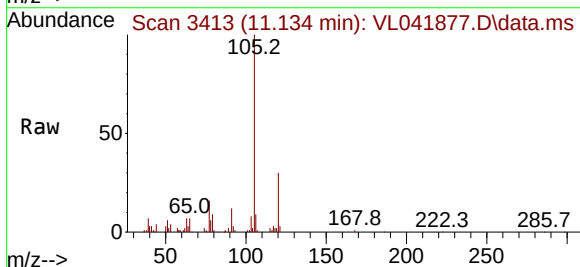
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

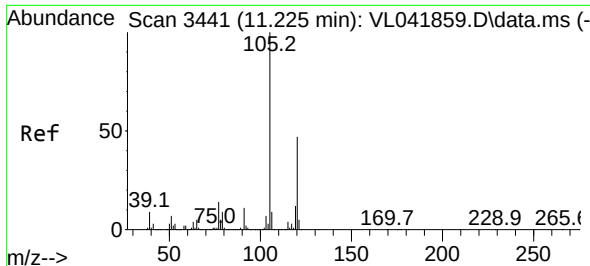
Tgt Ion: 91 Resp: 27864  
Ion Ratio Lower Upper  
91 100  
126 30.1 11.6 46.6



#72  
4-Ethyltoluene  
Concen: 0.437 ppbv  
RT: 11.134 min Scan# 3413  
Delta R.T. -0.010 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion:105 Resp: 29242  
Ion Ratio Lower Upper  
105 100  
120 29.8 23.5 35.3  
91 14.0 9.8 14.8  
77 14.9 10.7 16.1

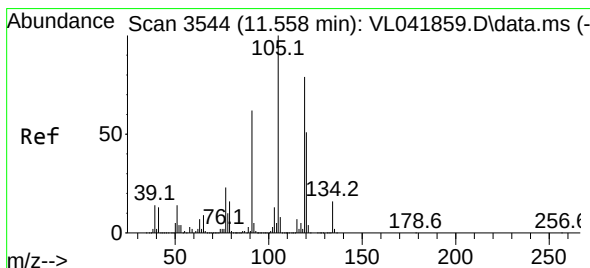
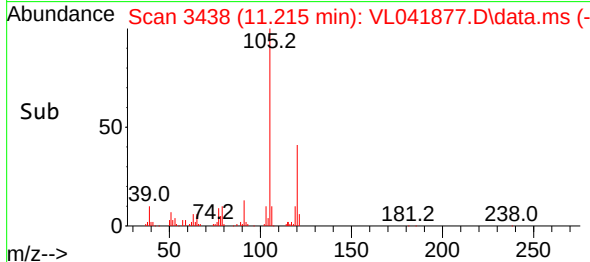
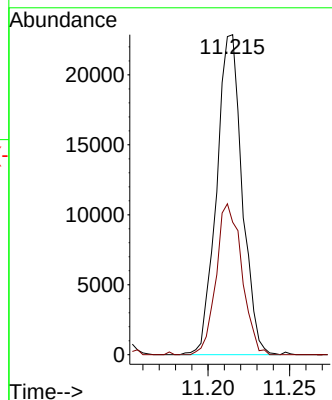
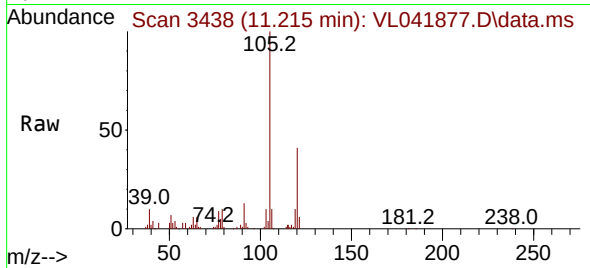




#73  
 1,3,5-Trimethylbenzene  
 Concen: 0.440 ppbv  
 RT: 11.215 min Scan# 3441  
 Delta R.T. -0.010 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

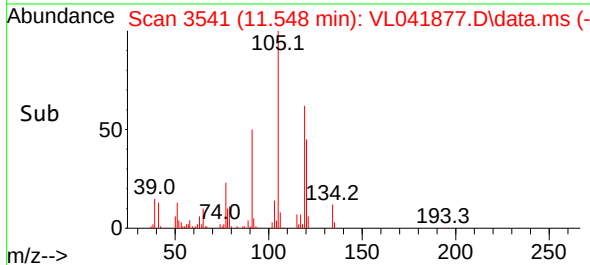
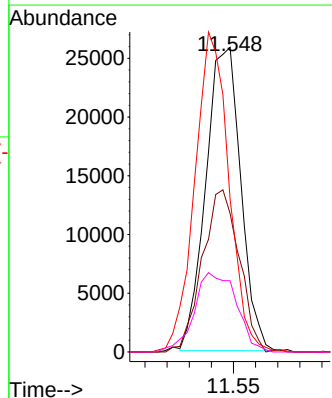
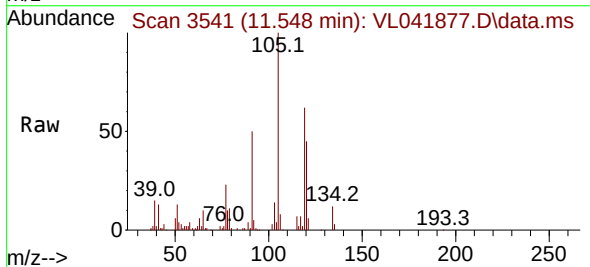
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL 0.4

Tgt Ion:105 Resp: 24983  
 Ion Ratio Lower Upper  
 105 100  
 120 41.4 37.2 55.8

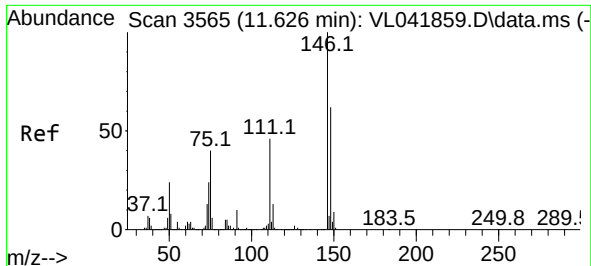


#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.460 ppbv  
 RT: 11.548 min Scan# 3541  
 Delta R.T. -0.010 min  
 Lab File: VL041877.D  
 Acq: 09 Jan 2025 21:16

Tgt Ion:105 Resp: 28377  
 Ion Ratio Lower Upper  
 105 100  
 120 45.0 41.1 61.7  
 91 49.4 50.0 75.0#  
 77 23.5 18.2 27.4



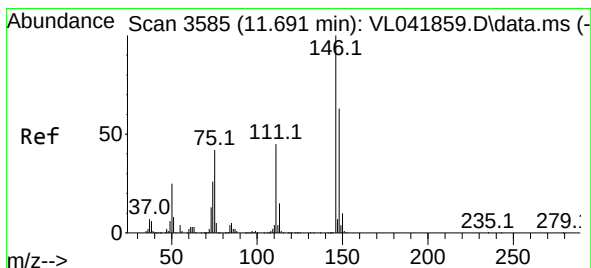
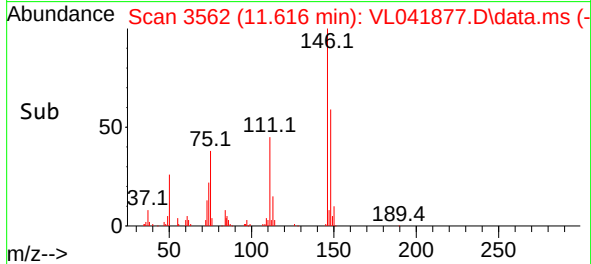
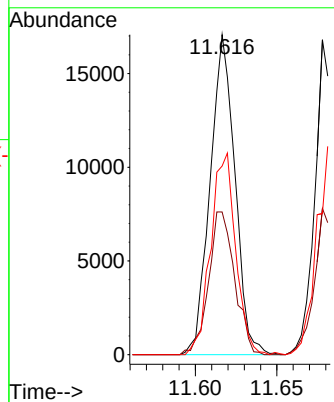
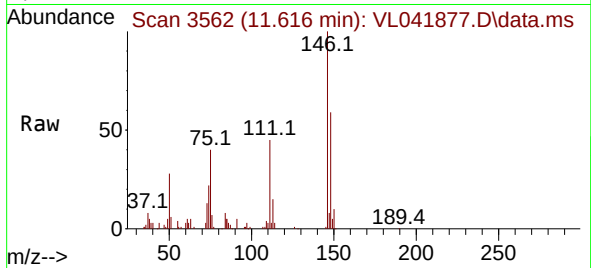




#75  
1,3-Dichlorobenzene  
Concen: 0.489 ppbv  
RT: 11.616 min Scan# 3562  
Delta R.T. -0.010 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

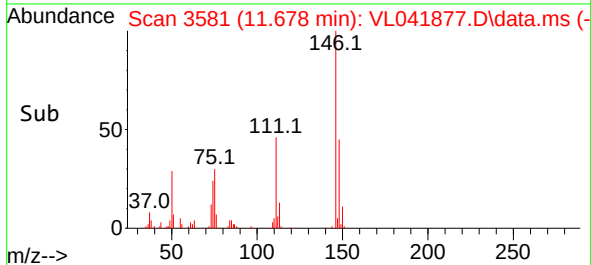
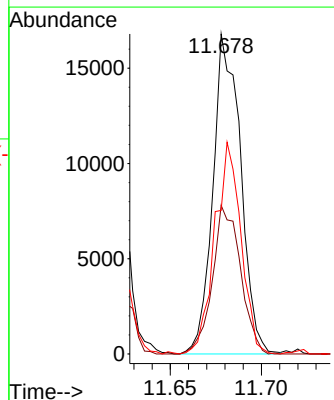
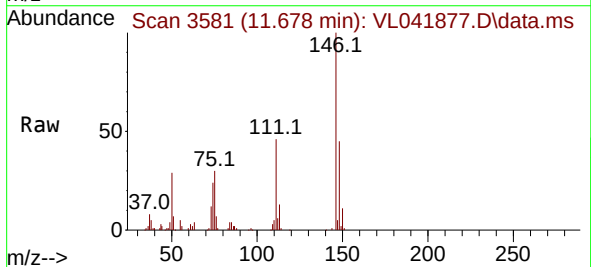
Instrument :  
MSVOA\_1  
ClientSampleId :  
MDL 0.4

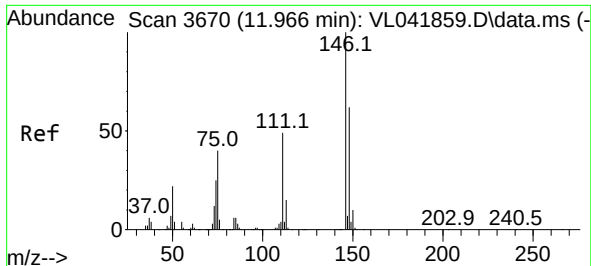
Tgt Ion:146 Resp: 18072  
Ion Ratio Lower Upper  
146 100  
111 46.8 23.2 69.5  
148 63.6 31.6 94.7



#76  
1,4-Dichlorobenzene  
Concen: 0.484 ppbv  
RT: 11.678 min Scan# 3581  
Delta R.T. -0.013 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion:146 Resp: 17706  
Ion Ratio Lower Upper  
146 100  
111 47.2 22.1 66.1  
148 62.4 31.2 93.6

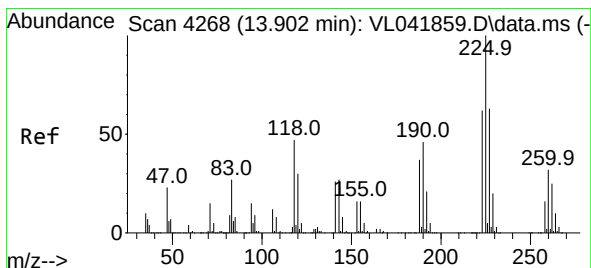
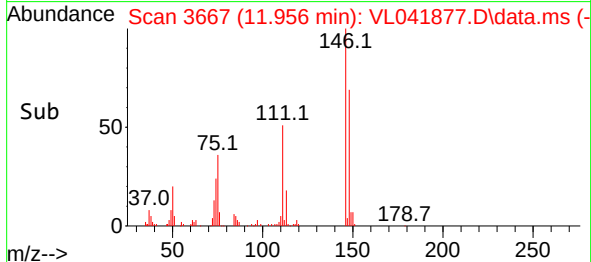
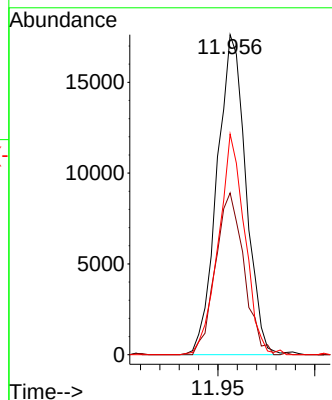
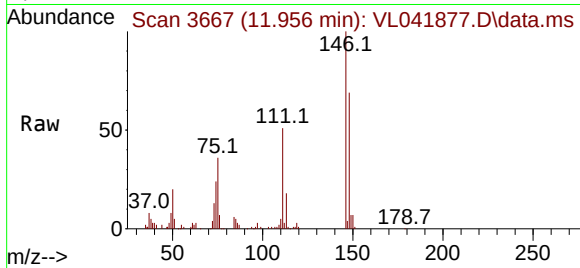




#77  
1,2-Dichlorobenzene  
Concen: 0.521 ppbv  
RT: 11.956 min Scan# 30  
Delta R.T. -0.010 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

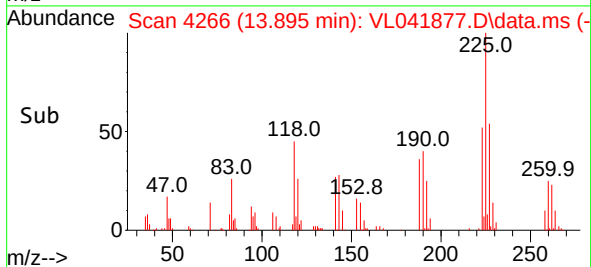
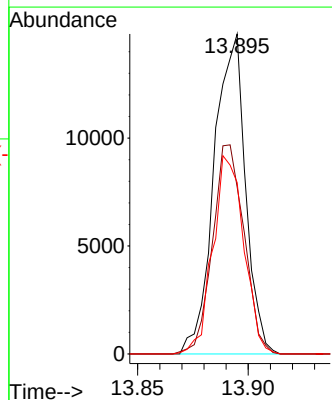
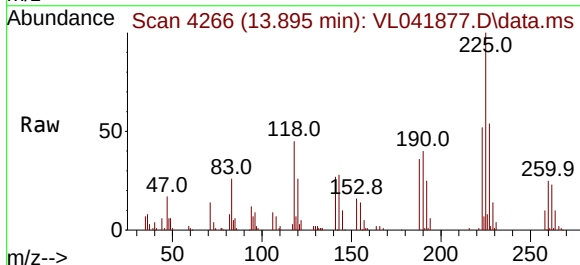
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL 0.4

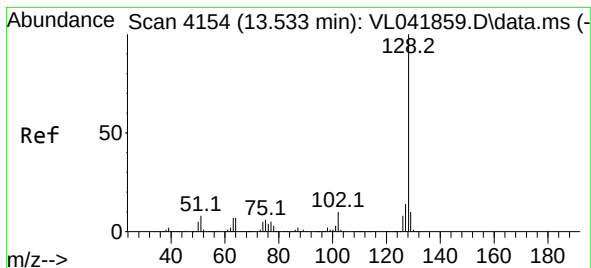
Tgt Ion:146 Resp: 18212  
Ion Ratio Lower Upper  
146 100  
111 50.0 24.1 72.3  
148 63.1 31.5 94.5



#78  
Hexachloro-1,3-Butadiene  
Concen: 0.486 ppbv  
RT: 13.895 min Scan# 4266  
Delta R.T. -0.007 min  
Lab File: VL041877.D  
Acq: 09 Jan 2025 21:16

Tgt Ion:225 Resp: 14604  
Ion Ratio Lower Upper  
225 100  
223 65.9 50.6 75.8  
227 61.4 50.9 76.3





#79

Naphthalene

Concen: 0.411 ppbv

RT: 13.523 min Scan# 4154

Delta R.T. -0.010 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4

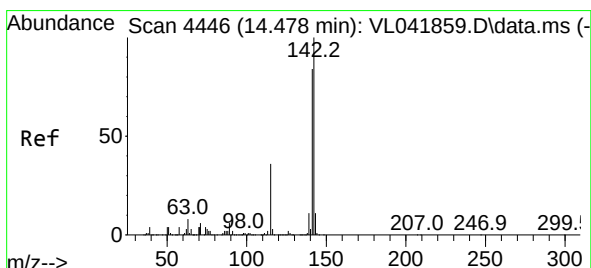
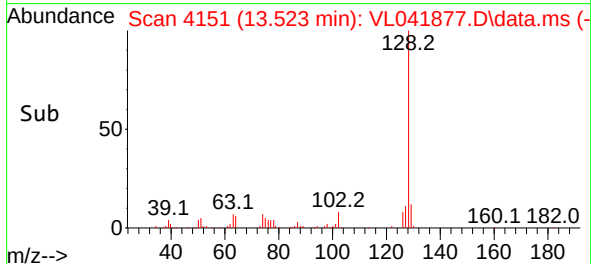
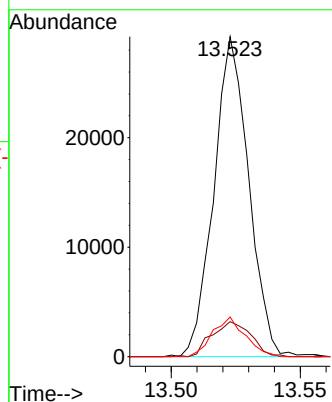
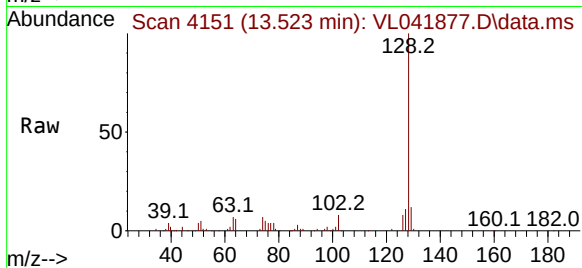
Tgt Ion:128 Resp: 27332

Ion Ratio Lower Upper

128 100

127 10.6 10.8 16.2#

129 12.4 8.2 12.4#



#80

Naphthalene,2-methyl-

Concen: 0.336 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. -0.007 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

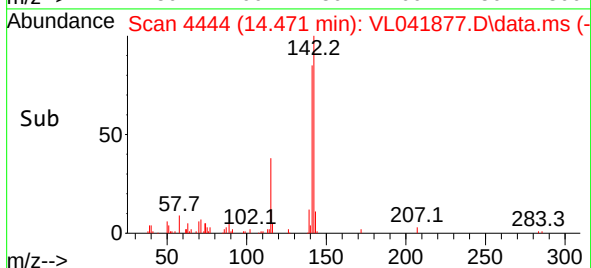
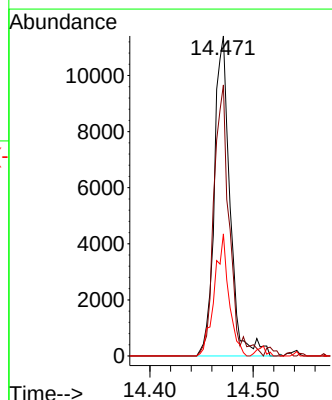
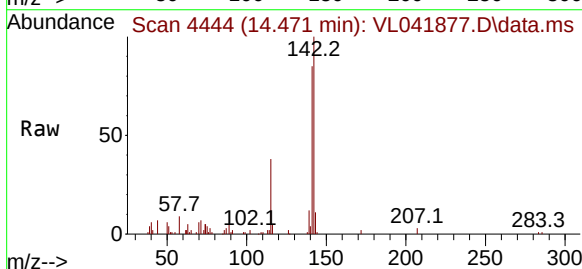
Tgt Ion:142 Resp: 12032

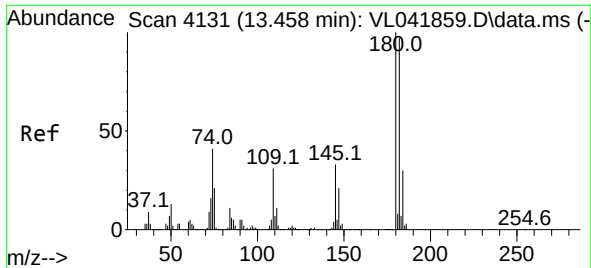
Ion Ratio Lower Upper

142 100

141 84.9 68.2 102.4

115 37.0 29.4 44.2





#81

1,2,4-Trichlorobenzene

Concen: 0.448 ppbv

RT: 13.448 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL041877.D

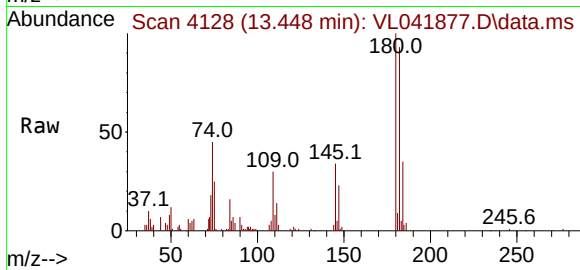
Acq: 09 Jan 2025 21:16

Instrument :

MSVOA\_L

ClientSampleId :

MDL 0.4



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 14159 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.7  | 75.8  | 113.8 |
| 184      | 35.0  | 24.1  | 36.1  |

